

Submittal #:

Sampled:

Sampler:

Received:

36024-1

Spielberg

06/04/02 @ 13:00

06/06/02 @ 10:00

MDEQ Project:

Tamarack City Stamp Mill

ERD-Superfund, Lansing

June 4, 2002 Soils

Submittal:

Sample #: 307102 Sample ID: SS-4

Matrix:

	Analytical	Quant.		Analysis		Reference
Parameter	Result	Limit	Unit	Date	Chem	Citation
Percent Solids	97	0.1	ક	06/07/02	GEH	SW-846 3550B



1DEQ Submittal #: 36024-1 Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 13:00 ERD-Superfund, Lansing Sampler: Spielberg Submittal: 06/06/02 @ 10:00 June 4, 2002 Soils Received: Extracted: Sample #: 307102 Analyzed: 06/13/02 by DLVV Sample ID: SS-4 Ref. Citation: USEPA-8260B Dilution Factor:

Matrix: Soil Analytical Batch: 187179

QC Batch: 075930-113

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.050	0.050
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.050	0.050
75-34-3	1,1-Dichloroethane	<0.050	0.050
75-35-4	1,1-Dichloroethylene	<0.050	0.050
87-61-6	1,2,3-Trichlorobenzene	<0.25	0.25
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.25	0.25
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3- chloropropane	<0.25	0.25
106-93-4	1,2-Dibromoethane	<0.050	0.050
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.050	0.050
156-59-2	cis-1,2-Dichloroethene	<0.050	0.050
156-60-5	trans-1,2-Dichloroethene	<0.050	0.050
78-87-5	1,2-Dichloropropane	<0.050	0.050
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.050	0.050
10061-02-6	trans-1,3-Dichloropropene	<0.050	0.050
110-57-6	trans-1,4-Dichloro- 2-butene	<0.050	0.050
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.25	0.25
591-78-6	2-Hexanone	<0.25	0.25
91-57-6	2-Methylnaphthalene	<0.25	0.25
67-64-1	Acetone	<0.75	0.75
108-10-1	4-Methyl-2-Pentanone	<0.25	0.25
107-13-1	Acrylonitrile	<0.25	0.25
71-43-2	Benzene	<0.050	0.050
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0,10



Submittal #: 36024-1 **DEQ** Tamarack City Stamp Mill Project: Sampled: 06/04/02 @ 13:00 ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: Sample #: Analyzed: 06/13/02 by DLVV 307102 Sample ID: SS-4 Ref. Citation: USEPA-8260B Dilution Factor: 1

Matrix: Soil Analytical Batch: 187179

QC Batch: 075930-113

MDEQ Plus List Volatiles CAS Number USEPA Method 5035/8260		Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)	
75-27-4	Dichlorobromomethane	<0.10	0.10	
75-25-2	Bromoform	<0.10	0.10	
74-83-9	Bromomethane	<0.25	0.25	
75-15-0	Carbon Disulfide	<0.25	0.25	
56-23-5	Carbon Tetrachloride	<0.050	0.050	
108-90-7	Chlorobenzene	<0.050	0.050	
75-00-3	Chloroethane	<0.25	0.25	
67-66-3	Chloroform	<0.050	0.050	
74-87-3	Chloromethane	<0.25	0.25	
124-48-1	Chlorodibromomethane	<0.10	0.10	
74-95-3	Dibromomethane	<0.10	0.10	
75-71-8	Dichlorodifluoromethane	<0.25	0.25	
60-29-7	Ethyl Ether	<0.25	0.25	
100-41-4	Ethylbenzene	<0.050	0.050	
67-72-1	Hexachloroethane	<0.10	0.10	
98-82-8	Isopropylbenzene	<0.10	0.10	
136777-61-2	Xylene, Meta & Para	<0.10	0.10	
74-88-4	Iodomethane	<0.10	0.10	
1634-04-4	Methyl(tert)butyl Ether	<0.25	0.25	
75-09-2	Methylene Chloride	<0.25	0.25	
91-20-3	Naphthalene	<0.25	0.25	
104-51-8	n-Butylbenzene	<0.25	0.25	
103-65-1	n-Propylbenzene	<0.10	0.10	
95-47-6	o-Xylene	<0.050	0.050	
99-87-6	4-Isopropyltoluene	<0.25	0.25	
135-98-8	sec-Butylbenzene	<0.25	0.25	
100-42-5	Styrene	<0.050	0.050	
98-06-6	tert-Butylbenzene	<0.25	0.25	
127-18-4	Tetrachloroethene	<0.050	0.050	
109-99-9	Tetrahydrofuran	<1.0	1.0	
108-88-3	Toluene	<0.050	0.050	
79-01-6	Trichloroethene	<0.050	0.050	
75-69-4	Trichlorofluoromethane	<0.25	0.25	
75-01-4	Vinyl Chloride	<0.10	0.10	



DEQ

Tamarack City Stamp Mill

Submittal #:

36024-1

Project:

Sampled: Sampler: 06/04/02 @ 13:20

ERD-Superfund, Lansing

Spielberg

Submittal:

June 4, 2002 Soils

Received:

06/06/02 @ 10:00

Sample #:

307103

Sample ID:

SS-5

Matrix:

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date		Reference Citation
Percent Solids	93	0.1	8	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 13:20

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Extracted:

Sample #: 307103 Analyzed: 06/13/02 by DLVV

Sample ID: SS-5 Ref. Citation: USEPA-8260B

Dilution Factor: 1

Analytical Batch: 187179

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)

630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.050	0.050
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.050	0.050
75-34-3	1,1-Dichloroethane	<0.050	0.050
75-35-4	1,1-Dichloroethylene	<0.050	0.050
87-61-6	1,2,3-Trichlorobenzene	<0.25	0.25
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.25	0.25
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3- chloropropane	<0.25	0.25
106-93-4	1,2-Dibromoethane	<0.050	0.050
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.050	0.050
156-59-2	cis-1,2-Dichloroethene	<0.050	0.050
156-60-5	trans-1,2-Dichloroethene	<0.050	0.050
78-87-5	1,2-Dichloropropane	<0.050	0.050
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.050	0.050
10061-02-6	trans-1,3-Dichloropropene	<0.050	0.050
110-57-6	trans-1,4-Dichloro- 2-butene	<0.050	0.050
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.25	0.25
591-78-6	2-Hexanone	<0.25	0,25
91-57-6	2-Methylnaphthalene	<0.25	0.25
67-64-1	Acetone	<0.75	0.75
108-10-1	4-Methyl-2-Pentanone	<0.25	0.25
107-13-1	Acrylonitrile	<0.25	0.25
71-43-2	Benzene	<0.050	0.050
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10



1DEQ Submittal #: 36024-1 06/04/02 @ 13:20 Project: Tamarack City Stamp Mill Sampled: ERD-Superfund, Lansing Sampler: Spielberg June 4, 2002 Soils Submittal: Received: 06/06/02 @ 10:00 Extracted: Sample #: 307103 Analyzed: 06/13/02 by DLVV Sample ID: Ref. Citation: USEPA-8260B SS-5 Dilution Factor: 1 Analytical Batch: 187179 Matrix: Soil QC Batch: 075930-113

MDEQ Plus List Volatiles CAS Number USEPA Method 5035/8260		Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)	
75-27-4	Dichlorobromomethane	<0.10	0.10	
75-25-2	Bromoform	<0.10	0.10	
74-83-9	Bromomethane	<0.25	0.25	
75-15-0	Carbon Disulfide	<0.25	0.25	
56-23-5	Carbon Tetrachloride	<0.050	0.050	
108-90-7	Chlorobenzene	<0.050	0.050	
75-00-3	Chloroethane	<0.25	0.25	
67-66-3	Chloroform	<0.050	0.050	
74-87-3	Chloromethane	<0.25	0.25	
124-48-1	Chlorodibromomethane	<0.10	0.10	
74-95-3	Dibromomethane	<0.10	0.10	
75-71-8	Dichlorodifluoromethane	<0.25	0.25	
60-29-7	Ethyl Ether	<0.25	0.25	
100-41-4	Ethylbenzene	<0.050	0.050	
67-72-1	Hexachloroethane	<0.10	0.10	
98-82-8	Isopropylbenzene	<0.10	0.10	
136777-61-2	Xylene, Meta & Para	0.12	0.10	
74-88-4	Iodomethane	<0.10	0.10	
1634-04-4	Methyl(tert)butyl Ether	<0.25	0.25	
75-09-2	Methylene Chloride	<0.25	0.25	
91-20-3	Naphthalene	<0.25	0.25	
104-51-8	n-Butylbenzene	<0.25	0.25	
103-65-1	n-Propylbenzene	<0.10	0.10	
95-47-6	o-Xylene	0.089	0.050	
99-87-6	4-Isopropyltoluene	<0.25	0.25	
135-98-8	sec-Butylbenzene	<0.25	0.25	
100-42-5	Styrene	<0.050	0.050	
98-06-6	tert-Butylbenzene	<0.25	0.25	
127-18-4	Tetrachloroethene	<0.050	0.050	
109-99-9	Tetrahydrofuran	<1.0	1.0	
108-88-3	Toluene	0.070	0.050	
79-01-6	Trichloroethene	<0.050	0.050	
75-69-4	Trichlorofluoromethane	<0.25	0.25	
75-01-4	Vinyl Chloride	<0.10	0.10	



MDEQ

Project:

Tamarack City Stamp Mill

ERD-Superfund, Lansing

Submittal: June 4, 2002 Soils Submittal #:

36024-1

06/04/02 @ 13:30

Sampler: Spielberg

Received:

Sampled:

06/06/02 @ 10:00

Sample #: 307104 Sample ID: SS-6

Matrix:

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date		Reference Citation
	Kesuic					
Percent Solids	91	0.1	8	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1 Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 13:30 ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: 06/13/02 by DLVV Sample #: 307104 Analyzed: Sample ID: SS-6 Ref. Citation: USEPA-8260B Dilution Factor: 1.03 Analytical Batch: 187179

Matrix: Soil Analytical Batch: 187179

QC Batch: 075930-113

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
	********	********	
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.052	0.052
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.052	0.052
75-34-3	1,1-Dichloroethane	<0.052	0.052
75-35-4	1,1-Dichloroethylene	<0.052	0.052
87-61-6	1,2,3-Trichlorobenzene	<0.26	0.26
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.26	0.26
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3-	<0.26	0.26
	chloropropane		
106-93-4	1,2-Dibromoethane	<0.052	0.052
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.052	0.052
156-59-2	cis-1,2-Dichloroethene	<0.052	0.052
156-60-5	trans-1,2-Dichloroethene	<0.052	0.052
78-87-5	1,2-Dichloropropane	<0.052	0.052
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.052	0.052
10061-02-6	trans-1,3-Dichloropropene	<0.052	0.052
110-57-6	trans-1,4-Dichloro- 2-butene	<0.052	0.052
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.26	0.26
591-78-6	2-Hexanone	<0.26	0.26
91-57-6	2-Methylnaphthalene	<0.26	0.26
67-64-1	Acetone	<0.77	0.77
108-10-1	4-Methyl-2-Pentanone	<0.26	0.26
107-13-1	Acrylonitrile	<0.26	0.26
71-43-2	Benzene	<0.052	0.052
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10



MDEQ Submittal #: 36024-1 06/04/02 @ 13:30 Project: Tamarack City Stamp Mill Sampled: ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: Sample #: 307104 Analyzed: 06/13/02 by DLVV Sample ID: SS-6 Ref. Citation: USEPA-8260B Dilution Factor: 1.03

Matrix: Soil Analytical Batch: 187179
QC Batch: 075930-113

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
75-27-4	Dichlorobromomethane	<0.10	0.10
75-25-2	Bromoform	<0.10	0.10
74-83-9	Bromomethane	<0.26	0.26
75-15-0	Carbon Disulfide	<0.26	0.26
56-23-5	Carbon Tetrachloride	<0.052	0.052
108-90-7	Chlorobenzene	<0.052	0.052
75-00-3	Chloroethane	<0.26	0.26
67-66-3	Chloroform	<0.052	0.052
74-87-3	Chloromethane	<0.26	0.26
124-48-1	Chlorodibromomethane	<0.10	0.10
74-95-3	Dibromomethane	<0.10	0.10
75-71-8	Dichlorodifluoromethane	<0.26	0.26
60-29-7	Ethyl Ether	<0.26	0.26
100-41-4	Ethylbenzene	<0.052	0.052
67-72-1	Hexachloroethane	<0.10	0.10
98-82-8	Isopropylbenzene	<0.10	0.10
136777-61-2	Xylene, Meta & Para	<0.10	0.10
74-88-4	Iodomethane	<0.10	0.10
1634-04-4	Methyl (tert) butyl Ether	<0.26	0.26
75-09-2	Methylene Chloride	<0.26	0.26
91-20-3	Naphthalene	<0.26	0.26
104-51-8	n-Butylbenzene	<0.26	0.26
103-65-1	n-Propylbenzene	<0.10	0.10
95-47-6	o-Xylene	<0.052	0.052
99-87-6	4-Isopropyltoluene	<0.26	0.26
135-98-8	sec-Butylbenzene	<0.26	0.26
100-42-5	Styrene	<0.052	0.052
98-06-6	tert-Butylbenzene	<0.26	0.26
127-18-4	Tetrachloroethene	<0.052	0.052
109-99-9	Tetrahydrofuran	<1.0	1.0
108-88-3	Toluene	<0.052	0.052
79-01-6	Trichloroethene	<0.052	0.052
75-69-4	Trichlorofluoromethane	<0.26	0.26
75-01-4	Vinyl Chloride	<0.10	0.10



WDEQ Project:

Tamarack City Stamp Mill

ERD-Superfund, Lansing

Tues 4 2002 Coile

Submittal: June 4, 2002 Soils

Submittal #:

36024-1

06/04/02 @ 13:25

Sampler: Spielberg

Received:

Sampled:

06/06/02 @ 10:00

Sample #: 307105 Sample ID: \$5-7

Matrix:

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date		Reference Citation
Percent Solids	88	0.1	8	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1 06/04/02 @ 13:25 Tamarack City Stamp Mill Sampled: Project: ERD-Superfund, Lansing Sampler: Spielberg 06/06/02 @ 10:00 Submittal: June 4, 2002 Soils Received: Extracted: Sample #: 307105 Analyzed: 06/13/02 by DLVV Ref. Citation: Sample ID: USEPA-8260B SS-7

Dilution Factor: 1.04
Analytical Batch: 187179
Matrix: Soil QC Batch: 075930-113

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)	
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10	
71-55-6	1,1,1-Trichloroethane	<0.052	0.052	
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10	
79-00-5	1,1,2-Trichloroethane	<0.052	0.052	
75-34-3	1,1-Dichloroethane	<0.052	0.052	
75-35-4	1,1-Dichloroethylene	<0.052	0.052	
87-61-6	1,2,3-Trichlorobenzene	<0.26	0.26	
96-18-4	1,2,3-Trichloropropane	<0.10	0.10	
120-82-1	1,2,4-Trichlorobenzene	<0.26	0.26	
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10	
96-12-8	1,2-Dibromo-3- chloropropane	<0.26	0.26	
106-93-4	1,2-Dibromoethane	<0.052	0.052	
95-50-1	1,2-Dichlorobenzene	<0.10	0.10	
107-06-2	1,2-Dichloroethane	<0.052	0.052	
156-59-2	cis-1,2-Dichloroethene	<0.052	0.052	
156-60-5	trans-1,2-Dichloroethene	<0.052	0.052	
78-87-5	1,2-Dichloropropane	<0.052	0.052	
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10	
541-73-1	1,3-Dichlorobenzene	<0.10	0.10	
10061-01-5	cis-1,3-Dichloropropene	<0.052	0.052	
10061-02-6	trans-1,3-Dichloropropene	<0.052	0.052	
110-57-6	trans-1,4-Dichloro- 2-butene	<0.052	0.052	
106-46-7	1,4-Dichlorobenzene	<0.10	0.10	
78-93-3	Methyl Ethyl Ketone	<0.26	0.26	
591-78-6	2-Hexanone	<0.26	0.26	
91-57-6	2-Methylnaphthalene	<0.26	0.26	
67-64-1	Acetone	<0.78	0.78	
108-10-1	4-Methyl-2-Pentanone	<0.26	0.26	
107-13-1	Acrylonitrile	<0.26	0.26	
71-43-2	Benzene	<0.052	0.052	
108-86-1	Bromobenzene	<0.10	0.10	
74-97-5	Bromochloromethane	<0.10	0.10	



MDEQ Submittal #: 36024-1 Tamarack City Stamp Mill 06/04/02 @ 13:25 Project: Sampled: ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: Sample #: Analyzed: 06/13/02 by DLVV 307105 Sample ID: SS-7 Ref. Citation: USEPA-8260B Dilution Factor: 1.04

Analytical Batch: 187179
Matrix: Soil QC Batch: 075930-113

MDEQ Plus List Volatiles CAS Number USEPA Method 5035/8260		Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)	
75-27-4	Dichlorobromomethane	<0.10	0.10	
75-25-2	Bromoform	<0.10	0.10	
74-83-9	Bromomethane	<0.26	0.26	
75-15-0	Carbon Disulfide	<0.26	0.26	
56-23-5	Carbon Tetrachloride	<0.052	0.052	
108-90-7	Chlorobenzene	<0.052	0.052	
75-00-3	Chloroethane	<0.26	0.26	
67-66-3	Chloroform	<0.052	0.052	
74-87-3	Chloromethane	<0.26	0.26	
124-48-1	Chlorodibromomethane	<0.10	0.10	
74-95-3	Dibromomethane	<0.10	0.10	
75-71-8	Dichlorodifluoromethane	<0.26	0.26	
60-29-7	Ethyl Ether	<0.26	0.26	
100-41-4	Ethylbenzene	<0.052	0.052	
67-72-1	Hexachloroethane	<0.10	0.10	
98-82-8	Isopropylbenzene	<0.10	0.10	
136777-61-2	Xylene, Meta & Para	<0.10	0.10	
74-88-4	Iodomethane	<0.10	0.10	
1634-04-4	Methyl(tert)butyl Ether	<0.26	0.26	
75-09-2	Methylene Chloride	<0.26	0.26	
91-20-3	Naphthalene	<0.26	0.26	
104-51-8	n-Butylbenzene	<0.26	0.26	
103-65-1	n-Propylbenzene	<0.10	0.10	
95-47-6	o-Xylene	<0.052	0.052	
99-87-6	4-Isopropyltoluene	<0.26	0.26	
135-98-8	sec-Butylbenzene	<0.26	0.26	
100-42-5	Styrene	<0.052	0.052	
98-06-6	tert-Butylbenzene	<0.26	0.26	
127-18-4	Tetrachloroethene	<0.052	0.052	
109-99-9	Tetrahydrofuran	<1.0	1.0	
108-88-3	Toluene	<0.052	0.052	
79-01-6	Trichloroethene	<0.052	0.052	
75-69-4	Trichlorofluoromethane	<0.26	0.26	
75-01-4	Vinyl Chloride	<0.10	0.10	



MDEQ

Project:

Tamarack City Stamp Mill

ERD-Superfund, Lansing

Submittal:

June 4, 2002 Soils

Submittal #:

36024-1

06/04/02 @ 13:10

Sampler:

Spielberg

Received:

Sampled:

06/06/02 @ 10:00

Sample #: 307106 Sample ID: SS-8

Matrix:

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date		Reference Citation

Percent Solids	95	0.1	%	06/07/02	GEH	SW-846 3550B



Matrix:

Soil

ANALYTICAL REPORT

QC Batch:

075930-113

MDEQ Submittal #: 36024-1 06/04/02 @ 13:10 Project: Tamarack City Stamp Mill Sampled: ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: Sample #: 06/13/02 by DLVV 307106 Analyzed: Sample ID: SS-8 Ref. Citation: USEPA-8260B Dilution Factor: 1.04 Analytical Batch: 187179

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.052	0.052
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.052	0.052
75-34-3	1,1-Dichloroethane	<0.052	0.052
75-35-4	1,1-Dichloroethylene	<0.052	0.052
87-61-6	1,2,3-Trichlorobenzene	<0.26	0.26
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.26	0.26
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3- chloropropane	<0.26	0.26
106-93-4	1,2-Dibromoethane	<0.052	0.052
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.052	0.052
156-59-2	cis-1,2-Dichloroethene	<0.052	0.052
156-60-5	trans-1,2-Dichloroethene	<0.052	0.052
78-87-5	1,2-Dichloropropane	<0.052	0.052
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.052	0.052
10061-02-6	trans-1,3-Dichloropropene	<0.052	0.052
110-57-6	trans-1,4-Dichloro- 2-butene	<0.052	0.052
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.26	0.26
591-78-6	2-Hexanone	<0.26	0.26
91-57-6	2-Methylnaphthalene	<0.26	0.26
67-64-1	Acetone	<0.78	0.78
108-10-1	4-Methyl-2-Pentanone	<0.26	0.26
107-13-1	Acrylonitrile	<0.26	0.26
71-43-2	Benzene	<0.052	0.052
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10



MDEQ Submittal #: 36024-1
Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 13:10
ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted:

Sample #: 307106 Analyzed: 06/13/02 by DLVV

Sample ID: SS-8 Ref. Citation: USEPA-8260B

Dilution Factor: 1.04 Analytical Batch: 187179

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
75-27-4	Dichlorobromomethane	<0.10	0.10
75-25-2	Bromoform	<0.10	0.10
74-83-9	Bromomethane	<0.26	0.26
75-15-0	Carbon Disulfide	<0.26	0.26
56-23-5	Carbon Tetrachloride	<0.052	0.052
108-90-7	Chlorobenzene	<0.052	0.052
75-00-3	Chloroethane	<0.26	0.26
67-66-3	Chloroform	<0.052	0.052
74-87-3	Chloromethane	<0.26	0.26
124-48-1	Chlorodibromomethane	<0.10	0.10
74-95-3	Dibromomethane	<0.10	0.10
75-71-8	Dichlorodifluoromethane	<0.26	0.26
60-29-7	Ethyl Ether	<0.26	0.26
100-41-4	Ethylbenzene	<0.052	0.052
67-72-1	Hexachloroethane	<0.10	0.10
98-82-8	Isopropylbenzene	<0.10	0.10
136777-61-2	Xylene, Meta & Para	<0.10	0.10
74-88-4	Iodomethane	<0.10	0.10
1634-04-4	Methyl(tert)butyl Ether	<0.26	0.26
75-09-2	Methylene Chloride	<0.26	0.26
91-20-3	Naphthalene	<0.26	0.26
104-51-8	n-Butylbenzene	<0.26	0.26
103-65-1	n-Propylbenzene	<0.10	0.10
95-47-6	o-Xylene	0.071	0.052
99-87-6	4-Isopropyltoluene	<0.26	0.26
135-98-8	sec-Butylbenzene	<0.26	0.26
100-42-5	Styrene	<0.052	0.052
98-06-6	tert-Butylbenzene	<0.26	0.26
127-18-4	Tetrachloroethene	<0.052	0.052
109-99-9	Tetrahydrofuran	<1.0	1.0
108-88-3	Toluene	0.052	0.052
79-01-6	Trichloroethene	<0,052	0.052
75-69-4	Trichlorofluoromethane	<0.26	0.26
75-01-4	Vinyl Chloride	<0.10	0.10



MDEQ Project:

Tamarack City Stamp Mill

ERD-Superfund, Lansing

Submittal: June 4, 2002 Soils

Submittal #:

Sampled:

36024-1

06/04/02 @ 13:45

Sampler: Spielberg

Received: 06/06/02 @ 10:00

Sample #: 307107 Sample ID: SS-9

Matrix:

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date		Reference Citation
			*******	******		
Percent Solids	92	0.1	8	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 13:45

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Extracted:

Sample #: 307107 Analyzed: 06/14/02 by DLVV

Sample ID: SS-9 Ref. Citation: USEPA-8260B

Dilution Factor: 1.01 Analytical Batch: 187270

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.051	0.051
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.051	0.051
75-34-3	1,1-Dichloroethane	<0.051	0.051
75-35-4	1,1-Dichloroethylene	<0.051	0.051
87-61-6	1,2,3-Trichlorobenzene	<0.25	0.25
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.25	0.25
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3- chloropropane	<0.25	0.25
106-93-4	1,2-Dibromoethane	<0.051	0.051
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.051	0.051
156-59-2	cis-1,2-Dichloroethene	<0.051	0.051
156-60-5	trans-1,2-Dichloroethene	<0.051	0.051
78-87-5	1,2-Dichloropropane	<0.051	0.051
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.051	0.051
10061-02-6	trans-1,3-Dichloropropene	<0.051	0.051
110-57-6	trans-1,4-Dichloro- 2-butene	<0.051	0.051
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.25	0.25
591-78-6	2-Hexanone	<0.25	0.25
91-57-6	2-Methylnaphthalene	<0.25	0.25
67-64-1	Acetone	<0.76	0.76
108-10-1	4-Methyl-2-Pentanone	<0.25	0.25
107-13-1	Acrylonitrile	<0.25	0.25
71-43-2	Benzene	<0.051	0.051
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10



Submittal #: 36024-1 MDEQ Tamarack City Stamp Mill Sampled: Project:

06/04/02 @ 13:45 Sampler: Spielberg ERD-Superfund, Lansing

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Extracted:

06/14/02 by DLVV Sample #: Analyzed: 307107

Sample ID: SS-9 Ref. Citation: USEPA-8260B

Dilution Factor: 1.01 Analytical Batch: 187270

QC Batch: 075930-114 Matrix: Soil

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
75-27-4	Dichlorobromomethane	<0.10	0.10
75-25-2	Bromoform	<0.10	0.10
74-83-9	Bromomethane	<0.25	0.25
75-15-0	Carbon Disulfide	<0.25	0.25
56-23-5	Carbon Tetrachloride	<0.051	0.051
108-90-7	Chlorobenzene	<0.051	0.051
75-00-3	Chloroethane	<0.25	0.25
67-66-3	Chloroform	<0.051	0.051
74-87-3	Chloromethane	<0.25	0.25
124-48-1	Chlorodibromomethane	<0.10	0.10
74-95-3	Dibromomethane	<0.10	0.10
75-71-8	Dichlorodifluoromethane	<0.25	0.25
60-29-7	Ethyl Ether	<0.25	0.25
100-41-4	Ethylbenzene	<0.051	0.051
67-72-1	Hexachloroethane	<0.10	0.10
98-82-8	Isopropylbenzene	<0.10	0.10
136777-61-2	Xylene, Meta & Para	<0.10	0.10
74-88-4	Iodomethane	<0.10	0.10
1634-04-4	Methyl (tert) butyl Ether	<0.25	0.25
75-09-2	Methylene Chloride	<0.25	0.25
91-20-3	Naphthalene	<0.25	0.25
104-51-8	n-Butylbenzene	<0.25	0.25
103-65-1	n-Propylbenzene	<0.10	0.10
95-47-6	o-Xylene	<0.051	0.051
99-87-6	4-Isopropyltoluene	<0.25	0.25
135-98-8	sec-Butylbenzene	<0.25	0.25
100-42-5	Styrene	<0.051	0.051
98-06-6	tert-Butylbenzene	<0.25	0.25
127-18-4	Tetrachloroethene	<0.051	0.051
109-99-9	Tetrahydrofuran	<1.0	1.0
108-88-3	Toluene	0.051	0.051
79-01-6	Trichloroethene	<0.051	0.051
75-69-4	Trichlorofluoromethane	<0.25	0.25
75-01-4	Vinyl Chloride	<0.10	0,10



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 13:55

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Sample #: 307108 Sample ID: SS-10

Matrix: Soil

And a few	Analytical			Analysis		Reference
Parameter	Result	Limit	Unit	Date	Chem	Citation
Percent Solids	96	0.1	ક	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1 06/04/02 @ 13:55 Project: Tamarack City Stamp Mill Sampled: ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: Sample #: 307108 Analyzed: 06/14/02 by DLVV Sample ID: Ref. Citation: SS-10 USEPA-8260B Dilution Factor: 1

Analytical Batch: 187270 Matrix: Soil QC Batch: 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.050	0.050
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.050	0.050
75-34-3	1,1-Dichloroethane	<0.050	0.050
75-35-4	1,1-Dichloroethylene	<0.050	0.050
87-61-6	1,2,3-Trichlorobenzene	<0.25	0.25
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.25	0.25
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3- chloropropane	<0.25	0.25
106-93-4	1,2-Dibromoethane	<0.050	0.050
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.050	0.050
156-59-2	cis-1,2-Dichloroethene	<0.050	0.050
156-60-5	trans-1,2-Dichloroethene	<0.050	0.050
78-87-5	1,2-Dichloropropane	<0.050	0.050
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.050	0.050
10061-02-6	trans-1,3-Dichloropropene	<0.050	0.050
110-57-6	trans-1,4-Dichloro- 2-butene	<0.050	0.050
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.25	0.25
591-78-6	2-Hexanone	<0.25	0.25
91-57-6	2-Methylnaphthalene	<0.25	0.25
67-64-1	Acetone	<0.75	0.75
108-10-1	4-Methyl-2-Pentanone	<0.25	0.25
107-13-1	Acrylonitrile	<0.25	0.25
71-43-2	Benzene	<0.050	0.050
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10



MDEQ Submittal #: 36024-1 Sampled: 06/04/02 @ 13:55 Project: Tamarack City Stamp Mill ERD-Superfund, Lansing Sampler: Spielberg June 4, 2002 Soils Received: 06/06/02 @ 10:00 Submittal: Extracted: Sample #: Analyzed: 06/14/02 by DLVV 307108 Sample ID: Ref. Citation: USEPA-8260B SS-10 Dilution Factor:

Analytical Batch: 187270 QC Batch: Matrix: Soil 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
75-27-4	Dichlorobromomethane	<0.10	0.10
75-27-4	Bromoform	<0.10	0.10
74-83-9	Bromomethane	<0.25	0.25
75-15-0	Carbon Disulfide	<0.25	0.25
56-23-5	Carbon Tetrachloride	<0.050	0.050
108-90-7	Chlorobenzene	<0.050	0.050
75-00-3	Chloroethane	<0.25	0.25
67-66-3	Chloroform	<0.25	0.050
74-87-3	Chloromethane	<0.25	0.25
124-48-1	Chlorodibromomethane	<0.10	0.10
74-95-3	Dibromomethane	<0.10	0.10
75-71-8	Dichlorodifluoromethane	<0.25	0.25
60-29-7	Ethyl Ether	<0.25	0.25
100-41-4	Ethylbenzene	<0.050	0.050
67-72-1	Hexachloroethane	<0.10	0.10
98-82-8	Isopropylbenzene	<0.10	0.10
136777-61-2	Xylene, Meta & Para	<0.10	0.10
74-88-4	Iodomethane	<0.10	0.10
1634-04-4	Methyl(tert)butyl Ether	<0.25	0.25
75-09-2	Methylene Chloride	<0.25	0.25
91-20-3	Naphthalene	<0.25	0,25
104-51-8	n-Butylbenzene	<0.25	0.25
103-65-1	n-Propylbenzene	<0.10	0.10
95-47-6	o-Xylene	<0.050	0.050
99-87-6	4-Isopropyltoluene	<0.25	0.25
135-98-8	sec-Butylbenzene	<0.25	0.25
100-42-5	Styrene	<0.050	0.050
98-06-6	tert-Butylbenzene	<0.25	0.25
127-18-4	Tetrachloroethene	<0.050	0.050
109-99-9	Tetrahydrofuran	<1.0	1.0
108-88-3	Toluene	<0.050	0.050
79-01-6	Trichloroethene	<0.050	0.050
75-69-4	Trichlorofluoromethane	<0.25	0,25
75-01-4	Vinyl Chloride	<0.10	0.10



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 14:15

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Sample #: 307109 Sample ID: SS-11

Matrix: Soil

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date		Reference Citation
*******						
Percent Solids	97	0.1	%	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1 Sampled: Project: Tamarack City Stamp Mill 06/04/02 @ 14:15 ERD-Superfund, Lansing Sampler: Spielberg Received: Submittal: June 4, 2002 Soils 06/06/02 @ 10:00 Extracted: 307109 Sample #: Analyzed: 06/14/02 by DLVV Sample ID: SS-11 Ref. Citation: USEPA-8260B Dilution Factor: 1.03 Analytical Batch: 187270 Matrix: Soil QC Batch: 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.052	0.052
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.052	0.052
75-34-3	1,1-Dichloroethane	<0.052	0.052
75-35-4	1,1-Dichloroethylene	<0.052	0.052
87-61-6	1,2,3-Trichlorobenzene	<0.26	0.26
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.26	0.26
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3- chloropropane	<0.26	0.26
106-93-4	1,2-Dibromoethane	<0.052	0.052
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.052	0.052
156-59-2	cis-1,2-Dichloroethene	<0.052	0.052
156-60-5	trans-1,2-Dichloroethene	<0.052	0.052
78-87-5	1,2-Dichloropropane	<0.052	0.052
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.052	0.052
10061-02-6	trans-1,3-Dichloropropene	<0.052	0.052
110-57-6	trans-1,4-Dichloro- 2-butene	<0.052	0.052
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.26	0.26
591-78-6	2-Hexanone	<0.26	0.26
91-57-6	2-Methylnaphthalene	<0.26	0.26
67-64-1	Acetone	<0.77	0.77
108-10-1	4-Methyl-2-Pentanone	<0.26	0.26
107-13-1	Acrylonitrile	<0.26	0.26
71-43-2	Benzene	<0.052	0.052
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 14:15

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Extracted:

Sample #: 307109 Analyzed: 06/14/02 by DLVV

Sample ID: SS-11 Ref. Citation: USEPA-8260B

Dilution Factor: 1.03 Analytical Batch: 187270

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
		*********	
75-27-4	Dichlorobromomethane	<0.10	0.10
75-25-2	Bromoform	<0.10	0.10
74-83-9	Bromomethane	<0.26	0.26
75-15-0	Carbon Disulfide	<0.26	0.26
56-23-5	Carbon Tetrachloride	<0.052	0.052
108-90-7	Chlorobenzene	<0.052	0.052
75-00-3	Chloroethane	<0.26	0.26
67-66-3	Chloroform	<0.052	0.052
74-87-3	Chloromethane	<0.26	0,26
124-48-1	Chlorodibromomethane	<0.10	0.10
74-95-3	Dibromomethane	<0.10	0.10
75-71-8	Dichlorodifluoromethane	<0.26	0.26
60-29-7	Ethyl Ether	<0.26	0.26
100-41-4	Ethylbenzene	<0.052	0.052
67-72-1	Hexachloroethane	<0.10	0.10
98-82-8	Isopropylbenzene	<0.10	0.10
136777-61-2	Xylene, Meta & Para	<0.10	0.10
74-88-4	Iodomethane	<0.10	0.10
1634-04-4	Methyl(tert)butyl Ether	<0.26	0.26
75-09-2	Methylene Chloride	<0.26	0.26
91-20-3	Naphthalene	<0.26	0.26
104-51-8	n-Butylbenzene	<0.26	0.26
103-65-1	n-Propylbenzene	<0.10	0.10
95-47-6	o-Xylene	<0.052	0.052
99-87-6	4-Isopropyltoluene	<0.26	0.26
135-98-8	sec-Butylbenzene	<0.26	0.26
100-42-5	Styrene	<0.052	0.052
98-06-6	tert-Butylbenzene	<0.26	0.26
127-18-4	Tetrachloroethene	<0.052	0.052
109-99-9	Tetrahydrofuran	<1.0	1.0
108-88-3	Toluene	<0.052	0.052
79-01-6	Trichloroethene	<0.052	0.052
75-69-4	Trichlorofluoromethane	<0.26	0.26
75-01-4	Vinyl Chloride	<0.10	0.10



MDEQ

Project: Tamarack City Stamp Mill

ERD-Superfund, Lansing

Submittal: June 4, 2002 Soils

Sampled: Sampler:

Submittal #:

36024-1

06/04/02 @ 14:05

pler: Spielberg

Received: 06/06/02 @ 10:00

Sample #: 307110 Sample ID: SS-12

Matrix: Soil

	Analytical			Analysis		Reference
Parameter	Result	Limit	Unit	Date	Chem	Citation
Percent Solids	92	0.1	ક	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 14:05

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Extracted:

Sample #: 307110 Analyzed: 06/14/02 by DLVV

Sample ID: SS-12 Ref. Citation: USEPA-8260B

Dilution Factor: 1.09 Analytical Batch: 187270

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.11	0.11
71-55-6	1,1,1-Trichloroethane	<0.055	0.055
79-34-5	1,1,2,2-Tetrachloroethane	<0.11	0.11
79-00-5	1,1,2-Trichloroethane	<0.055	0.055
75-34-3	1,1-Dichloroethane	<0.055	0.055
75-35-4	1,1-Dichloroethylene	<0.055	0.055
87-61-6	1,2,3-Trichlorobenzene	<0.27	0.27
96-18-4	1,2,3-Trichloropropane	<0.11	0.11
120-82-1	1,2,4-Trichlorobenzene	<0.27	0.27
95-63-6	1,2,4-Trimethylbenzene	<0.11	0.11
96-12-8	1,2-Dibromo-3- chloropropane	<0.27	0.27
106-93-4	1,2-Dibromoethane	<0.055	0.055
95-50-1	1,2-Dichlorobenzene	<0.11	0.11
107-06-2	1,2-Dichloroethane	<0.055	0.055
156-59-2	cis-1,2-Dichloroethene	<0.055	0.055
156-60-5	trans-1,2-Dichloroethene	<0.055	0.055
78-87-5	1,2-Dichloropropane	<0.055	0.055
108-67-8	1,3,5-Trimethylbenzene	<0.11	0.11
541-73-1	1,3-Dichlorobenzene	<0.11	0.11
10061-01-5	cis-1,3-Dichloropropene	<0.055	0.055
10061-02-6	trans-1,3-Dichloropropene	<0.055	0.055
110-57-6	trans-1,4-Dichloro- 2-butene	<0.055	0.055
106-46-7	1,4-Dichlorobenzene	<0.11	0.11
78-93-3	Methyl Ethyl Ketone	<0.27	0.27
591-78-6	2-Hexanone	<0.27	0.27
91-57-6	2-Methylnaphthalene	<0.27	0.27
67-64-1	Acetone	<0.82	0.82
108-10-1	4-Methyl-2-Pentanone	<0.27	0.27
107-13-1	Acrylonitrile	<0.27	0.27
71-43-2	Benzene	<0.055	0.055
108-86-1	Bromobenzene	<0.11	0.11
74-97-5	Bromochloromethane	<0.11	0.11



MDEQ Submittal #: 36024-1 Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 14:05 Sampler: ERD-Superfund, Lansing Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: Sample #: 307110 Analyzed: 06/14/02 by DLVV Sample ID: SS-12 Ref. Citation: USEPA-8260B

Dilution Factor: 1.09 Analytical Batch: 187270

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
72-1	*******		
75-27-4	Dichlorobromomethane	<0.11	0.11
75-25-2	Bromoform	<0.11	0.11
74-83-9	Bromomethane	<0.27	0.27
75-15-0	Carbon Disulfide	<0.27	0.27
56-23-5	Carbon Tetrachloride	<0.055	0.055
108-90-7	Chlorobenzene	<0.055	0.055
75-00-3	Chloroethane	<0.27	0.27
67-66-3	Chloroform	<0.055	0.055
74-87-3	Chloromethane	<0.27	0.27
124-48-1	Chlorodibromomethane	<0.11	0.11
74-95-3	Dibromomethane	<0.11	0.11
75-71-8	Dichlorodifluoromethane	<0.27	0.27
60-29-7	Ethyl Ether	<0.27	0.27
100-41-4	Ethylbenzene	<0.055	0.055
67-72-1	Hexachloroethane	<0.11	0.11
98-82-8	Isopropylbenzene	<0.11	0.11
136777-61-2	Xylene, Meta & Para	<0.11	0.11
74-88-4	Iodomethane	<0.11	0,11
1634-04-4	Methyl (tert) butyl Ether	<0.27	0.27
75-09-2	Methylene Chloride	<0.27	0.27
91-20-3	Naphthalene	<0.27	0.27
104-51-8	n-Butylbenzene	<0.27	0.27
103-65-1	n-Propylbenzene	<0.11	0.11
95-47-6	o-Xylene	<0.055	0.055
99-87-6	4-Isopropyltoluene	<0.27	0.27
135-98-8	sec-Butylbenzene	<0.27	0.27
100-42-5	Styrene	<0.055	0.055
98-06-6	tert-Butylbenzene	<0.27	0.27
127-18-4	Tetrachloroethene	<0.055	0.055
109-99-9	Tetrahydrofuran	<1.1	1.1
108-88-3	Toluene	<0.055	0.055
79-01-6	Trichloroethene	<0.055	0.055
75-69-4	Trichlorofluoromethane	<0.27	0.27
75-01-4	Vinyl Chloride	<0.11	0.11



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 14:10

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Sample #: 307111 Sample ID: SS-13

Matrix: Soil

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date		Reference Citation
Percent Solids	90	0.1	%	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1

06/04/02 @ 14:10 Project: Sampled: Tamarack City Stamp Mill

ERD-Superfund, Lansing Sampler: Spielberg

Received: 06/06/02 @ 10:00 Submittal: June 4, 2002 Soils

Extracted:

Analyzed: Sample #: 307111 06/14/02 by DLVV Sample ID: SS-13

Ref. Citation: USEPA-8260B

Dilution Factor: Analytical Batch: 187270

QC Batch: Matrix: Soil 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.051	0.051
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.10	0.051
75-34-3	1,1-Dichloroethane	<0.051	0.051
75-35-4	1,1-Dichloroethylene	<0.051	0.051
87-61-6	1,2,3-Trichlorobenzene	<0.26	0.26
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.10	0.26
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3-	<0.10	0.26
50 12 0	chloropropane	(0.20	0.20
106-93-4	1,2-Dibromoethane	<0.051	0.051
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.051	0.051
156-59-2	cis-1,2-Dichloroethene	<0.051	0.051
156-60-5	trans-1,2-Dichloroethene	<0.051	0.051
78-87-5	1,2-Dichloropropane	<0.051	0.051
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.051	0.051
10061-02-6	trans-1,3-Dichloropropene	<0.051	0,051
110-57-6	trans-1,4-Dichloro- 2-butene	<0.051	0.051
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.26	0.26
591-78-6	2-Hexanone	<0.26	0.26
91-57-6	2-Methylnaphthalene	<0.26	0.26
67-64-1	Acetone	<0.77	0.77
108-10-1	4-Methyl-2-Pentanone	<0.26	0.26
107-13-1	Acrylonitrile	<0.26	0.26
71-43-2	Benzene	<0.051	0.051
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10



MDEQ 36024-1 Submittal #: Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 14:10 ERD-Superfund, Lansing Sampler: Spielberg June 4, 2002 Soils Received: 06/06/02 @ 10:00 Submittal: Extracted: Sample #: 307111 Analyzed: 06/14/02 by DLVV Sample ID: SS-13 Ref. Citation: USEPA-8260B

Dilution Factor: 1.02 Analytical Batch: 187270

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
			*****
75-27-4	Dichlorobromomethane	<0.10	0.10
75-25-2	Bromoform	<0.10	0.10
74-83-9	Bromomethane	<0.26	0.26
75-15-0	Carbon Disulfide	<0.26	0.26
56-23-5	Carbon Tetrachloride	<0.051	0.051
108-90-7	Chlorobenzene	<0.051	0.051
75-00-3	Chloroethane	<0.26	0.26
67-66-3	Chloroform	<0.051	0.051
74-87-3	Chloromethane	<0.26	0.26
124-48-1	Chlorodibromomethane	<0.10	0.10
74-95-3	Dibromomethane	<0.10	0.10
75-71-8	Dichlorodifluoromethane	<0.26	0.26
60-29-7	Ethyl Ether	<0.26	0.26
100-41-4	Ethylbenzene	<0.051	0.051
67-72-1	Hexachloroethane	<0.10	0.10
98-82-8	Isopropylbenzene	<0.10	0.10
136777-61-2	Xylene, Meta & Para	<0.10	0.10
74-88-4	Iodomethane	<0.10	0.10
1634-04-4	Methyl (tert) butyl Ether	<0.26	0.26
75-09-2	Methylene Chloride	<0.26	0.26
91-20-3	Naphthalene	<0.26	0.26
104-51-8	n-Butylbenzene	<0.26	0.26
103-65-1	n-Propylbenzene	<0.10	0.10
95-47-6	o-Xylene	<0.051	0.051
99-87-6	4-Isopropyltoluene	<0.26	0.26
135-98-8	sec-Butylbenzene	<0.26	0.26
100-42-5	Styrene	<0.051	0.051
98-06-6	tert-Butylbenzene	<0.26	0.26
127-18-4	Tetrachloroethene	<0.051	0.051
109-99-9	Tetrahydrofuran	<1.0	1.0
108-88-3	Toluene	<0.051	0.051
79-01-6	Trichloroethene	<0.051	0.051
75-69-4	Trichlorofluoromethane	<0.26	0.26
75-01-4	Vinyl Chloride	<0.10	0.10



MDEQ

Tamarack City Stamp Mill

Submittal #:

36024-1

Project:

ERD-Superfund, Lansing

Sampled:

06/04/02 @ 14:25

Submittal:

June 4, 2002 Soils

Sampler: Received: Spielberg

Sample #:

SELVE ST. ETT.

06/06/02 @ 10:00

Sample ID:

307112 SS-14

Matrix:

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date		Reference Citation
Percent Solids	95	0.1	%	06/07/02	GEH	SW-846 3550B



MDEQ 36024-1 Submittal #: 06/04/02 @ 14:25 Project: Tamarack City Stamp Mill Sampled: ERD-Superfund, Lansing Sampler: Spielberg June 4, 2002 Soils 06/06/02 @ 10:00 Submittal: Received: Extracted: Sample #: 307112 Analyzed: 06/14/02 by DLVV Sample ID: SS-14 Ref. Citation: USEPA-8260B Dilution Factor: 1

Analytical Batch: 187270

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.050	0.050
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.050	0.050
75-34-3	1,1-Dichloroethane	<0.050	0.050
75-35-4	1,1-Dichloroethylene	<0.050	0.050
87-61-6	1,2,3-Trichlorobenzene	<0.25	0.25
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.25	0.25
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3- chloropropane	<0.25	0.25
106-93-4	1,2-Dibromoethane	<0.050	0.050
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.050	0.050
156-59-2	cis-1,2-Dichloroethene	<0.050	0.050
156-60-5	trans-1,2-Dichloroethene	<0.050	0.050
78-87-5	1,2-Dichloropropane	<0.050	0.050
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.050	0.050
10061-02-6	trans-1,3-Dichloropropene	<0.050	0.050
110-57-6	trans-1,4-Dichloro- 2-butene	<0.050	0.050
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.25	0.25
591-78-6	2-Hexanone	<0.25	0.25
91-57-6	2-Methylnaphthalene	<0.25	0.25
67-64-1	Acetone	<0.75	0.75
108-10-1	4-Methyl-2-Pentanone	<0.25	0.25
107-13-1	Acrylonitrile	<0.25	0.25
71-43-2	Benzene	<0.050	0.050
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10



MDEQ Submittal #: 36024-1 Sampled: 06/04/02 @ 14:25 Project: Tamarack City Stamp Mill ERD-Superfund, Lansing Sampler: Spielberg June 4, 2002 Soils 06/06/02 @ 10:00 Submittal: Received: Extracted: Sample #: 307112 Analyzed: 06/14/02 by DLVV Sample ID: Ref. Citation: SS-14 USEPA-8260B

Dilution Factor: 1

Analytical Batch: 187270

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
75-27-4	Dichlorobromomethane	<0.10	0.10
75-25-2	Bromoform	<0.10	0.10
74-83-9	Bromomethane	<0.25	0.25
75-15-0	Carbon Disulfide	<0.25	0.25
56-23-5	Carbon Tetrachloride	<0.050	0.050
108-90-7	Chlorobenzene	<0.050	0.050
75-00-3	Chloroethane	<0.25	0.25
67-66-3	Chloroform	<0.050	0.050
74-87-3	Chloromethane	<0.25	0.25
124-48-1	Chlorodibromomethane	<0.10	0.10
74-95-3	Dibromomethane	<0.10	0.10
75-71-8	Dichlorodifluoromethane	<0.25	0.25
60-29-7	Ethyl Ether	<0.25	0.25
100-41-4	Ethylbenzene	<0.050	0.050
67-72-1	Hexachloroethane	<0.10	0.10
98-82-8	Isopropylbenzene	<0.10	0.10
136777-61-2	Xylene, Meta & Para	<0.10	0.10
74-88-4	Iodomethane	<0.10	0.10
1634-04-4	Methyl (tert) butyl Ether	<0.25	0.25
75-09-2	Methylene Chloride	<0.25	0.25
91-20-3	Naphthalene	<0.25	0.25
104-51-8	n-Butylbenzene	<0.25	0.25
103-65-1	n-Propylbenzene	<0.10	0.10
95-47-6	o-Xylene	<0.050	0.050
99-87-6	4-Isopropyltoluene	<0.25	0.25
135-98-8	sec-Butylbenzene	<0.25	0.25
100-42-5	Styrene	<0.050	0.050
98-06-6	tert-Butylbenzene	<0.25	0.25
127-18-4	Tetrachloroethene	<0.050	0.050
109-99-9	Tetrahydrofuran	<1.0	1.0
108-88-3	Toluene	<0.050	0.050
79-01-6	Trichloroethene	<0.050	0.050
75-69-4	Trichlorofluoromethane	<0.25	0.25
75-01-4	Vinyl Chloride	<0.10	0.10



MDEQ

Project:

Tamarack City Stamp Mill

ERD-Superfund, Lansing

Submittal: June 4, 2002 Soils Submittal #:

36024-1

Sampled:

06/04/02 @ 14:40

Sampler:

Spielberg

Sample #:

307113

Sample ID: SS-15 Received:

06/06/02 @ 10:00

Matrix:

	Analytical	Quant.		Analysis		Reference
Parameter	Result	Limit	Unit	Date	Chem	Citation
Percent Solids	83	0.1	ક	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 14:40

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Extracted:

Sample #: 307113 Analyzed: 06/14/02 by DLVV

Sample ID: SS-15 Ref. Citation: USEPA-8260B

Dilution Factor: 1.2 Analytical Batch: 187270

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.12	0.12
71-55-6	1,1,1-Trichloroethane	<0.060	0.060
79-34-5	1,1,2,2-Tetrachloroethane	<0.12	0.12
79-00-5	1,1,2-Trichloroethane	<0.060	0.060
75-34-3	1,1-Dichloroethane	<0.060	0.060
75-35-4	1,1-Dichloroethylene	<0.060	0.060
87-61-6	1,2,3-Trichlorobenzene	<0.30	0.30
96-18-4	1,2,3-Trichloropropane	<0.12	0.12
120-82-1	1,2,4-Trichlorobenzene	<0.30	0.30
95-63-6	1,2,4-Trimethylbenzene	<0.12	0.12
96-12-8	1,2-Dibromo-3- chloropropane	<0.30	0.30
106-93-4	1,2-Dibromoethane	<0.060	0.060
95-50-1	1,2-Dichlorobenzene	<0.12	0.12
107-06-2	1,2-Dichloroethane	<0.060	0.060
156-59-2	cis-1,2-Dichloroethene	<0.060	0.060
156-60-5	trans-1,2-Dichloroethene	<0.060	0.060
78-87-5	1,2-Dichloropropane	<0.060	0.060
108-67-8	1,3,5-Trimethylbenzene	<0.12	0.12
541-73-1	1,3-Dichlorobenzene	<0.12	0.12
10061-01-5	cis-1,3-Dichloropropene	<0.060	0.060
10061-02-6	trans-1,3-Dichloropropene	<0.060	0.060
110-57-6	trans-1,4-Dichloro- 2-butene	<0.060	0.060
106-46-7	1,4-Dichlorobenzene	<0.12	0.12
78-93-3	Methyl Ethyl Ketone	<0.30	0.30
591-78-6	2-Hexanone	<0.30	0.30
91-57-6	2-Methylnaphthalene	<0.30	0.30
67-64-1	Acetone	<0.90	0.90
108-10-1	4-Methyl-2-Pentanone	<0.30	0.30
107-13-1	Acrylonitrile	<0.30	0.30
71-43-2	Benzene	<0.060	0.060
108-86-1	Bromobenzene	<0.12	0.12
74-97-5	Bromochloromethane	<0.12	0.12



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 14:40

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Extracted:

Sample #: 307113 Analyzed: 06/14/02 by DLVV

Sample ID: SS-15 Ref. Citation: USEPA-8260B

Dilution Factor: 1.2 Analytical Batch: 187270

		Analytical	Quantitation
	MDEQ Plus List Volatiles	Result	Limit
CAS Number	USEPA Method 5035/8260	(mg/kg dry)	(mg/kg dry)
********	***********		*********
75-27-4	Dichlorobromomethane	<0.12	0.12
75-25-2	Bromoform	<0.12	0.12
74-83-9	Bromomethane	<0.30	0.30
75-15-0	Carbon Disulfide	<0.30	0.30
56-23-5	Carbon Tetrachloride	<0.060	0.060
108-90-7	Chlorobenzene	<0.060	0.060
75-00-3	Chloroethane	<0.30	0.30
67-66-3	Chloroform	<0.060	0.060
74-87-3	Chloromethane	<0.30	0.30
124-48-1	Chlorodibromomethane	<0.12	0.12
74-95-3	Dibromomethane	<0.12	0.12
75-71-8	Dichlorodifluoromethane	<0.30	0.30
60-29-7	Ethyl Ether	<0.30	0.30
100-41-4	Ethylbenzene	<0.060	0.060
67-72-1	Hexachloroethane	<0.12	0.12
98-82-8	Isopropylbenzene	<0.12	0.12
136777-61-2	Xylene, Meta & Para	<0.12	0.12
74-88-4	Iodomethane	<0.12	0.12
1634-04-4	Methyl(tert)butyl Ether	<0.30	0.30
75-09-2	Methylene Chloride	<0.30	0.30
91-20-3	Naphthalene	<0.30	0.30
104-51-8	n-Butylbenzene	<0.30	0.30
103-65-1	n-Propylbenzene	<0.12	0.12
95-47-6	o-Xylene	<0.060	0.060
99-87-6	4-Isopropyltoluene	<0.30	0.30
135-98-8	sec-Butylbenzene	<0.30	0.30
100-42-5	Styrene	<0.060	0.060
98-06-6	tert-Butylbenzene	<0.30	0.30
127-18-4	Tetrachloroethene	<0.060	0.060
109-99-9	Tetrahydrofuran	<1.2	1.2
108-88-3	Toluene	<0.060	0.060
79-01-6	Trichloroethene	<0.060	0.060
75-69-4	Trichlorofluoromethane	<0.30	0.30
75-01-4	Vinyl Chloride	<0.12	0.12



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 14:30

ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Sample #: 307114 Sample ID: SS-16

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date	Chem	Reference Citation
Percent Solids	94	0.1	ક	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1 Sampled: 06/04/02 @ 14:30 Project: Tamarack City Stamp Mill ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: Sample #: 307114 Analyzed: 06/14/02 by DLVV Sample ID: SS-16 Ref. Citation: USEPA-8260B Dilution Factor: 1.04

Matrix: Soil Analytical Batch: 187270 QC Batch: 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.052	0.052
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.052	0.052
75-34-3	1,1-Dichloroethane	<0.052	0.052
75-35-4	1,1-Dichloroethylene	<0.052	0.052
87-61-6	1,2,3-Trichlorobenzene	<0.26	0.26
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.26	0.26
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3- chloropropane	<0.26	0.26
106-93-4	1,2-Dibromoethane	<0.052	0.052
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.052	0.052
156-59-2	cis-1,2-Dichloroethene	<0.052	0.052
156-60-5	trans-1,2-Dichloroethene	<0.052	0.052
78-87-5	1,2-Dichloropropane	<0.052	0.052
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.052	0.052
10061-02-6	trans-1,3-Dichloropropene	<0.052	0.052
110-57-6	trans-1,4-Dichloro- 2-butene	<0.052	0.052
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.26	0.26
591-78-6	2-Hexanone	<0.26	0.26
91-57-6	2-Methylnaphthalene	<0.26	0.26
67-64-1	Acetone	<0.78	0.78
108-10-1	4-Methyl-2-Pentanone	<0.26	0.26
107-13-1	Acrylonitrile	<0.26	0.26
71-43-2	Benzene	<0.052	0.052
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10



MDEQ Submittal #: 36024-1 Tamarack City Stamp Mill 06/04/02 @ 14:30 Project: Sampled: ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: Sample #: Analyzed: 06/14/02 by DLVV 307114 Ref. Citation: USEPA-8260B Sample ID: SS-16

Dilution Factor: 1.04 Analytical Batch: 187270

Matrix: Soil QC Batch: 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
75-27-4	Dichlorobromomethane	<0.10	0.10
75-25-2	Bromoform	<0.10	0.10
74-83-9	Bromomethane	<0.26	0.26
75-15-0	Carbon Disulfide	<0.26	0.26
56-23-5	Carbon Tetrachloride	<0.052	0.052
108-90-7	Chlorobenzene	<0.052	0.052
75-00-3	Chloroethane	<0.26	0.26
67-66-3	Chloroform	<0.052	0.052
74-87-3	Chloromethane	<0.26	0.26
124-48-1	Chlorodibromomethane	<0.10	0.10
74-95-3	Dibromomethane	<0.10	0.10
75-71-8	Dichlorodifluoromethane	<0.26	0.26
60-29-7	Ethyl Ether	<0.26	0.26
100-41-4	Ethylbenzene	<0.052	0.052
67-72-1	Hexachloroethane	<0.10	0.10
98-82-8	Isopropylbenzene	<0.10	0.10
136777-61-2	Xylene, Meta & Para	<0.10	0.10
74-88-4	Iodomethane	<0.10	0.10
1634-04-4	Methyl (tert) butyl Ether	<0.26	0.26
75-09-2	Methylene Chloride	<0.26	0.26
91-20-3	Naphthalene	<0.26	0.26
104-51-8	n-Butylbenzene	<0.26	0.26
103-65-1	n-Propylbenzene	<0.10	0.10
95-47-6	o-Xylene	<0.052	0.052
99-87-6	4-Isopropyltoluene	<0.26	0.26
135-98-8	sec-Butylbenzene	<0.26	0.26
100-42-5	Styrene	<0.052	0.052
98-06-6	tert-Butylbenzene	<0.26	0.26
127-18-4	Tetrachloroethene	<0.052	0.052
109-99-9	Tetrahydrofuran	<1.0	1.0
108-88-3	Toluene	<0.052	0.052
79-01-6	Trichloroethene	<0.052	0.052
75-69-4	Trichlorofluoromethane	<0.26	0.26
75-01-4	Vinyl Chloride	<0.10	0.10



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 11:35

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Sample #: 307115 Sample ID: SS-17

	Analytical	Quant.		Analysis		Reference
Parameter	Result	Limit	Unit	Date	Chem	Citation
Percent Solids	83	0.1	8	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1 Tamarack City Stamp Mill Sampled: 06/04/02 @ 11:35 Project: ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: 307115 Sample #: Analyzed: 06/14/02 by DLVV Sample ID: SS-17 Ref. Citation: USEPA-8260B

Dilution Factor: 1.23

Matrix: Soil Analytical Batch: 187270

QC Batch: 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.12	0.12
71-55-6	1,1,1-Trichloroethane	<0.062	0.062
79-34-5	1,1,2,2-Tetrachloroethane	<0.12	0.12
79-00-5	1,1,2-Trichloroethane	<0.062	0.062
75-34-3	1,1-Dichloroethane	<0.062	0.062
75-35-4	1,1-Dichloroethylene	<0.062	0.062
87-61-6	1,2,3-Trichlorobenzene	<0.31	0.31
96-18-4	1,2,3-Trichloropropane	<0.12	0.12
120-82-1	1,2,4-Trichlorobenzene	<0.31	0.31
95-63-6	1,2,4-Trimethylbenzene	<0.12	0.12
96-12-8	1,2-Dibromo-3- chloropropane	<0.31	0.31
106-93-4	1,2-Dibromoethane	<0.062	0.062
95-50-1	1,2-Dichlorobenzene	<0.12	0.12
107-06-2	1,2-Dichloroethane	<0.062	0.062
156-59-2	cis-1,2-Dichloroethene	<0.062	0.062
156-60-5	trans-1,2-Dichloroethene	<0.062	0.062
78-87-5	1,2-Dichloropropane	<0.062	0.062
108-67-8	1,3,5-Trimethylbenzene	<0.12	0.12
541-73-1	1,3-Dichlorobenzene	<0.12	0.12
10061-01-5	cis-1,3-Dichloropropene	<0.062	0.062
10061-02-6	trans-1,3-Dichloropropene	<0.062	0.062
110-57-6	trans-1,4-Dichloro- 2-butene	<0.062	0.062
106-46-7	1,4-Dichlorobenzene	<0.12	0.12
78-93-3	Methyl Ethyl Ketone	<0.31	0.31
591-78-6	2-Hexanone	<0,31	0.31
91-57-6	2-Methylnaphthalene	<0.31	0.31
67-64-1	Acetone	<0.92	0.92
108-10-1	4-Methyl-2-Pentanone	<0.31	0.31
107-13-1	Acrylonitrile	<0.31	0.31
71-43-2	Benzene	<0.062	0.062
108-86-1	Bromobenzene	<0.12	0.12
74-97-5	Bromochloromethane	<0.12	0.12



MDEQ Submittal #: 36024-1 Tamarack City Stamp Mill Sampled: Project: 06/04/02 @ 11:35 ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: Sample #: 307115 Analyzed: 06/14/02 by DLVV Sample ID: Ref. Citation: USEPA-8260B SS-17 Dilution Factor: 1.23 Analytical Batch: 187270 Matrix: Soil QC Batch: 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
75-27-4	Dichlorobromomethane	<0.12	0.12
75-25-2	Bromoform	<0.12	0.12
74-83-9	Bromomethane	<0.31	0.31
75-15-0	Carbon Disulfide	<0.31	0.31
56-23-5	Carbon Tetrachloride	<0.062	0.062
108-90-7	Chlorobenzene	<0.062	0.062
75-00-3	Chloroethane	<0.31	0.31
67-66-3	Chloroform	<0.062	0.062
74-87-3	Chloromethane	<0.31	0.31
124-48-1	Chlorodibromomethane	<0.12	0.12
74-95-3	Dibromomethane	<0.12	0.12
75-71-8	Dichlorodifluoromethane	<0.31	0.31
60-29-7	Ethyl Ether	<0.31	0.31
100-41-4	Ethylbenzene	<0.062	0.062
67-72-1	Hexachloroethane	<0.12	0.12
98-82-8	Isopropylbenzene	<0.12	0.12
136777-61-2	Xylene, Meta & Para	<0.12	0.12
74-88-4	Iodomethane	<0.12	0.12
1634-04-4	Methyl (tert) butyl Ether	<0.31	0.31
75-09-2	Methylene Chloride	<0.31	0.31
91-20-3	Naphthalene	<0.31	0.31
104-51-8	n-Butylbenzene	<0.31	0.31
103-65-1	n-Propylbenzene	<0.12	0.12
95-47-6	o-Xylene	<0.062	0.062
99-87-6	4-Isopropyltoluene	<0.31	0.31
135-98-8	sec-Butylbenzene	<0.31	0.31
100-42-5	Styrene	<0.062	0.062
98-06-6	tert-Butylbenzene	<0.31	0.31
127-18-4	Tetrachloroethene	<0.062	0.062
109-99-9	Tetrahydrofuran	<1.2	1,2
108-88-3	Toluene	<0.062	0.062
79-01-6	Trichloroethene	<0.062	0.062
75-69-4	Trichlorofluoromethane	<0.31	0.31
75-01-4	Vinyl Chloride	<0.12	0.12



36024-1

MDEQ Submittal #:

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 11:20

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Sample #: 307116 Sample ID: SS-18

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date	Chem	Reference Citation
Percent Solids	92	0.1	ક	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1 06/04/02 @ 11:20 Project: Tamarack City Stamp Mill Sampled: ERD-Superfund, Lansing Sampler: Spielberg June 4, 2002 Soils 06/06/02 @ 10:00 Submittal: Received: Extracted: Sample #: 307116 Analyzed: 06/14/02 by DLVV Sample ID: Ref. Citation: USEPA-8260B SS-18 Dilution Factor: 1.09

Analytical Batch: 187270
Matrix: Soil QC Batch: 075930-114

MDEQ Plus List Volatiles CAS Number USEPA Method 5035/8260		Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)	
630-20-6	1,1,1,2-Tetrachloroethane	<0.11	0.11	
71-55-6	1,1,1-Trichloroethane	<0.055	0.055	
79-34-5	1,1,2,2-Tetrachloroethane	<0.11	0.11	
79-00-5	1,1,2-Trichloroethane	<0.055	0.055	
75-34-3	1,1-Dichloroethane	<0.055	0.055	
75-35-4	1,1-Dichloroethylene	<0.055	0.055	
87-61-6	1,2,3-Trichlorobenzene	<0.27	0.27	
96-18-4	1,2,3-Trichloropropane	<0.11	0.11	
120-82-1	1,2,4-Trichlorobenzene	<0.27	0.27	
95-63-6	1,2,4-Trimethylbenzene	<0.11	0.11	
96-12-8	1,2-Dibromo-3- chloropropane	<0.27	0.27	
106-93-4	1,2-Dibromoethane	<0.055	0.055	
95-50-1	1,2-Dichlorobenzene	<0.11	0.11	
107-06-2	1,2-Dichloroethane	<0.055	0.055	
156-59-2	cis-1,2-Dichloroethene	<0.055	0.055	
156-60-5	trans-1,2-Dichloroethene	<0.055	0.055	
78-87-5	1,2-Dichloropropane	<0.055	0.055	
108-67-8	1,3,5-Trimethylbenzene	<0.11	0.11	
541-73-1	1,3-Dichlorobenzene	<0.11	0.11	
10061-01-5	cis-1,3-Dichloropropene	<0.055	0.055	
10061-02-6	trans-1,3-Dichloropropene	<0.055	0.055	
110-57-6	trans-1,4-Dichloro- 2-butene	<0.055	0.055	
106-46-7	1,4-Dichlorobenzene	<0.11	0.11	
78-93-3	Methyl Ethyl Ketone	<0.27	0.27	
591-78-6	2-Hexanone	<0.27	0.27	
91-57-6	2-Methylnaphthalene	<0.27	0.27	
67-64-1	Acetone	<0.82	0.82	
108-10-1	4-Methyl-2-Pentanone	<0.27	0.27	
107-13-1	Acrylonitrile	<0.27	0.27	
71-43-2	Benzene	<0.055	0.055	
108-86-1	Bromobenzene	<0.11	0.11	
74-97-5	Bromochloromethane	<0.11	0.11	



MDEQ Submittal #: 36024-1 Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 11:20 ERD-Superfund, Lansing Sampler: Spielberg Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00 Extracted: Sample #: 307116 Analyzed: 06/14/02 by DLVV Sample ID: SS-18 Ref. Citation: USEPA-8260B

Dilution Factor: 1.09 Analytical Batch: 187270

Matrix: Soil QC Batch: 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
75-27-4	Dichlorobromomethane	<0.11	0.11
75-25-2	Bromoform	<0.11	0.11
74-83-9	Bromomethane	<0.27	0.27
75-15-0	Carbon Disulfide	<0.27	0.27
56-23-5	Carbon Tetrachloride	<0.055	0.055
108-90-7	Chlorobenzene	<0.055	0.055
75-00-3	Chloroethane	<0.27	0.27
67-66-3	Chloroform	<0.055	0.055
74-87-3	Chloromethane	<0.27	0.27
124-48-1	Chlorodibromomethane	<0.11	0.11
74-95-3	Dibromomethane	<0.11	0.11
75-71-8	Dichlorodifluoromethane	<0.27	0.27
60-29-7	Ethyl Ether	<0.27	0.27
100-41-4	Ethylbenzene	<0.055	0.055
67-72-1	Hexachloroethane	<0.11	0.11
98-82-8	Isopropylbenzene	<0.11	0.11
136777-61-2	Xylene, Meta & Para	<0.11	0.11
74-88-4	Iodomethane	<0.11	0.11
1634-04-4	Methyl(tert)butyl Ether	<0.27	0.27
75-09-2	Methylene Chloride	<0.27	0.27
91-20-3	Naphthalene	<0.27	0.27
104-51-8	n-Butylbenzene	<0.27	0.27
103-65-1	n-Propylbenzene	<0.11	0.11
95-47-6	o-Xylene	<0.055	0.055
99-87-6	4-Isopropyltoluene	<0.27	0.27
135-98-8	sec-Butylbenzene	<0.27	0.27
100-42-5	Styrene	<0.055	0.055
98-06-6	tert-Butylbenzene	<0.27	0.27
127-18-4	Tetrachloroethene	<0.055	0.055
109-99-9	Tetrahydrofuran	<1.1	1.1
108-88-3	Toluene	<0.055	0.055
79-01-6	Trichloroethene	<0.055	0.055
75-69-4	Trichlorofluoromethane	<0.27	0.27
75-01-4	Vinyl Chloride	<0.11	0.11



MDEQ Project:

Tamarack City Stamp Mill

ERD-Superfund, Lansing

Submittal: June 4, 2002 Soils Submittal #:

36024-1

Sampled:

06/04/02 @ 11:25

Sampler:

Spielberg

Received:

06/06/02 @ 10:00

Sample #: Sample ID: 307117 SS-19

Matrix:

Soil

Parameter	Analytical Result	Quant. Limit	Unit	Analysis Date		Reference Citation
Percent Solids	92	0.1	ર્જ	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 11:25

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Extracted:

Sample #: 307117 Analyzed: 06/14/02 by DLVV

Sample ID: SS-19 Ref. Citation: USEPA-8260B

Dilution Factor: 1

Analytical Batch: 187270

Matrix: Soil QC Batch: 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.050	0.050
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.050	0.050
75-34-3	1,1-Dichloroethane	<0.050	0.050
75-35-4	1,1-Dichloroethylene	<0.050	0.050
87-61-6	1,2,3-Trichlorobenzene	<0.25	0.25
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.25	0.25
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3- chloropropane	<0.25	0.25
106-93-4	1,2-Dibromoethane	<0.050	0.050
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.050	0.050
156-59-2	cis-1,2-Dichloroethene	<0.050	0.050
156-60-5	trans-1,2-Dichloroethene	<0.050	0.050
78-87-5	1,2-Dichloropropane	<0.050	0.050
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.050	0.050
10061-02-6	trans-1,3-Dichloropropene	<0.050	0.050
110-57-6	trans-1,4-Dichloro- 2-butene	<0.050	0.050
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.25	0.25
591-78-6	2-Hexanone	<0.25	0.25
91-57-6	2-Methylnaphthalene	<0.25	0.25
67-64-1	Acetone	<0.75	0.75
108-10-1	4-Methyl-2-Pentanone	<0.25	0.25
107-13-1	Acrylonitrile	<0.25	0.25
71-43-2	Benzene	<0.050	0.050
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10



MDEQ
Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 11:25
ERD-Superfund, Lansing Sampler: Spielberg
Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00
Extracted:

Sample #: 307117 Analyzed: 06/14/02 by DLVV Sample ID: SS-19 Ref. Citation: USEPA-8260B

Dilution Factor: 1

Analytical Batch: 187270

Matrix: Soil QC Batch: 075930-114

124-48-1       Chlorodibromomethane       <0.10       0.10         74-95-3       Dibromomethane       <0.10       0.10         75-71-8       Dichlorodifluoromethane       <0.25       0.25         60-29-7       Ethyl Ether       <0.25       0.25         100-41-4       Ethylbenzene       <0.050       0.050         67-72-1       Hexachloroethane       <0.10       0.10         98-82-8       Isopropylbenzene       <0.10       0.10         136777-61-2       Xylene, Meta & Para       <0.10       0.10         74-88-4       Iodomethane       <0.10       0.10         1634-04-4       Methyl (tert) butyl Ether       <0.25       0.25         75-09-2       Methylene Chloride       <0.25       0.25         91-20-3       Naphthalene       <0.25       0.25         104-51-8       n-Butylbenzene       <0.25       0.25         103-65-1       n-Propylbenzene       <0.050       0.050         99-87-6       4-Isopropyltoluene       <0.25       0.25         135-98-8       sec-Butylbenzene       <0.25       0.25         100-42-5       Styrene       <0.050       0.050         109-99-9       Tetrachloroethene	CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
75-25-2         Brommoform         <0.10         0.10           74-83-9         Bromomethane         <0.25         0.25           75-15-0         Carbon Disulfide         <0.25         0.25           56-23-5         Carbon Tetrachloride         <0.050         0.050           108-90-7         Chlorobenzene         <0.050         0.050           75-00-3         Chloroform         <0.050         0.050           74-87-3         Chlorodibromethane         <0.25         0.25           124-48-1         Chlorodibromomethane         <0.10         0.10           74-95-3         Dibromomethane         <0.10         0.10           75-71-8         Dichlorodifluoromethane         <0.25         0.25           60-29-7         Ethyl Ether         <0.25         0.25           100-41-4         Ethylbenzene         <0.050         0.050           67-72-1         Hexachloroethane         <0.10         0.10           98-82-8         Isopropylbenzene         <0.10         0.10           136777-61-2         Xylene, Meta & Para         <0.10         0.10           75-09-2         Methyl (tert) butyl Ether         <0.25         0.25           99-2         Methylene Chloride<		*****		*******
74-83-9         Bromomethane         <0.25	75-27-4	Dichlorobromomethane	<0.10	0.10
75-15-0 Carbon Disulfide	75-25-2	Bromoform	<0.10	0.10
56-23-5         Carbon Tetrachloride         <0.050	74-83-9	Bromomethane	<0.25	0,25
108-90-7         Chlorobenzene         <0.050	75-15-0	Carbon Disulfide	<0.25	0.25
75-00-3         Chloroethane         <0.25	56-23-5	Carbon Tetrachloride	<0.050	0.050
67-66-3         Chloroform         <0.050	108-90-7	Chlorobenzene	<0.050	0.050
74-87-3         Chloromethane         <0.25	75-00-3	Chloroethane	<0.25	0.25
124-48-1       Chlorodibromomethane       <0.10	67-66-3	Chloroform	<0.050	0.050
74-95-3         Dibromomethane         <0.10	74-87-3	Chloromethane	<0.25	0.25
75-71-8         Dichlorodifluoromethane         <0.25	124-48-1	Chlorodibromomethane	<0.10	0.10
60-29-7       Ethyl Ether       <0.25	74-95-3	Dibromomethane	<0.10	0.10
100-41-4       Ethylbenzene       <0.050	75-71-8	Dichlorodifluoromethane	<0.25	0.25
67-72-1       Hexachloroethane       <0.10	60-29-7	Ethyl Ether	<0.25	0.25
98-82-8         Isopropylbenzene         <0.10	100-41-4	Ethylbenzene	<0.050	0.050
136777-61-2       Xylene, Meta & Para       <0.10	67-72-1	Hexachloroethane	<0.10	0.10
136777-61-2       Xylene, Meta & Para       <0.10	98-82-8	Isopropylbenzene	<0.10	0.10
1634-04-4       Methyl(tert)butyl Ether       <0.25	136777-61-2	Xylene, Meta & Para	<0.10	0.10
75-09-2       Methylene Chloride       <0.25	74-88-4	Iodomethane	<0.10	0.10
91-20-3 Naphthalene	1634-04-4	Methyl(tert)butyl Ether	<0.25	0.25
91-20-3 Naphthalene	75-09-2	Methylene Chloride	<0.25	0.25
103-65-1       n-Propylbenzene       <0.10	91-20-3	Naphthalene	<0.25	
103-65-1       n-Propylbenzene       <0.10	104-51-8	n-Butylbenzene	<0.25	0.25
95-47-6       o-Xylene       <0.050	103-65-1	n-Propylbenzene	<0.10	
135-98-8       sec-Butylbenzene       <0.25	95-47-6		<0.050	0.050
135-98-8       sec-Butylbenzene       <0.25	99-87-6	4-Isopropyltoluene	<0.25	0.25
98-06-6       tert-Butylbenzene       <0.25	135-98-8	sec-Butylbenzene	<0.25	0.25
127-18-4       Tetrachloroethene       <0.050	100-42-5	Styrene	<0.050	0.050
109-99-9       Tetrahydrofuran       <1.0	98-06-6	tert-Butylbenzene	<0.25	0.25
108-88-3       Toluene       <0.050	127-18-4	Tetrachloroethene	<0.050	0.050
79-01-6 Trichloroethene <0.050 0.050 75-69-4 Trichlorofluoromethane <0.25 0.25	109-99-9	Tetrahydrofuran	<1.0	1.0
79-01-6 Trichloroethene <0.050 0.050 75-69-4 Trichlorofluoromethane <0.25 0.25	108-88-3		<0.050	
75-69-4 Trichlorofluoromethane <0.25 0.25	79-01-6	Trichloroethene		
	75-69-4	Trichlorofluoromethane		
	75-01-4	Vinyl Chloride	<0.10	0.10



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 11:10

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Sample #: 307118 Sample ID: SS-20

	Analytical		45 75	Analysis		Reference
Parameter	Result	Limit	Unit	Date	Chem	Citation
**********						
Percent Solids	93	0.1	%	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 11:10

ERD-Superfund, Lansing Sampler: Spielberg

Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Extracted:

Sample #: 307118 Analyzed: 06/14/02 by DLVV Sample ID: SS-20 Ref. Citation: USEPA-8260B

Ref. Citation: USEPA-8260B Dilution Factor: 1.03

Analytical Batch: 187270

Matrix: Soil QC Batch: 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)	
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10	
71-55-6	1,1,1-Trichloroethane	<0.052	0.052	
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10	
79-00-5	1,1,2-Trichloroethane	<0.052	0.052	
75-34-3	1,1-Dichloroethane	<0.052	0.052	
75-35-4	1,1-Dichloroethylene	<0.052	0.052	
87-61-6	1,2,3-Trichlorobenzene	<0.26	0.26	
96-18-4	1,2,3-Trichloropropane	<0.10	0.10	
120-82-1	1,2,4-Trichlorobenzene	<0.26	0.26	
95-63-6	1,2,4-Trimethylbenzene	<0.10	0.10	
96-12-8	1,2-Dibromo-3- chloropropane	<0.26	0.26	
106-93-4	1,2-Dibromoethane	<0.052	0.052	
95-50-1	1,2-Dichlorobenzene	<0.10	0.10	
107-06-2	1,2-Dichloroethane	<0.052	0.052	
156-59-2	cis-1,2-Dichloroethene	<0.052	0.052	
156-60-5	trans-1,2-Dichloroethene	<0.052	0.052	
78-87-5	1,2-Dichloropropane	<0.052	0.052	
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10	
541-73-1	1,3-Dichlorobenzene	<0.10	0.10	
10061-01-5	cis-1,3-Dichloropropene	<0.052	0.052	
10061-02-6	trans-1,3-Dichloropropene	<0.052	0.052	
110-57-6	trans-1,4-Dichloro- 2-butene	<0.052	0.052	
106-46-7	1,4-Dichlorobenzene	<0.10	0.10	
78-93-3	Methyl Ethyl Ketone	<0.26	0.26	
591-78-6	2-Hexanone	<0.26	0.26	
91-57-6	2-Methylnaphthalene	<0.26	0.26	
67-64-1	Acetone	<0.77	0.77	
108-10-1	4-Methyl-2-Pentanone	<0.26	0.26	
107-13-1	Acrylonitrile	<0.26	0.26	
71-43-2	Benzene	<0.052	0.052	
108-86-1	Bromobenzene	<0.10	0.10	
74-97-5	Bromochloromethane	<0.10	0.10	



MDEQ Submittal #: 36024-1 06/04/02 @ 11:10 Project: Tamarack City Stamp Mill Sampled: ERD-Superfund, Lansing Sampler: Spielberg June 4, 2002 Soils Submittal: Received: 06/06/02 @ 10:00 Extracted: Sample #: Analyzed: 06/14/02 by DLVV 307118 Sample ID: SS-20 Ref. Citation: USEPA-8260B

Dilution Factor: 1.03
Analytical Batch: 187270
Matrix: Soil QC Batch: 075930-114

CAS Number	MDEQ Plus List Volatiles USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
		*******	
75-27-4	Dichlorobromomethane	<0.10	0.10
75-25-2	Bromoform	<0.10	0.10
74-83-9	Bromomethane	<0.26	0.26
75-15-0	Carbon Disulfide	<0.26	0.26
56-23-5	Carbon Tetrachloride	<0.052	0.052
108-90-7	Chlorobenzene	<0.052	0.052
75-00-3	Chloroethane	<0.26	0.26
67-66-3	Chloroform	<0.052	0.052
74-87-3	Chloromethane	<0.26	0.26
124-48-1	Chlorodibromomethane	<0.10	0.10
74-95-3	Dibromomethane	<0.10	0.10
75-71-8	Dichlorodifluoromethane	<0.26	0.26
60-29-7	Ethyl Ether	<0.26	0.26
100-41-4	Ethylbenzene	<0.052	0.052
67-72-1	Hexachloroethane	<0.10	0.10
98-82-8	Isopropylbenzene	<0.10	0.10
136777-61-2	Xylene, Meta & Para	<0.10	0.10
74-88-4	Iodomethane	<0.10	0.10
1634-04-4	Methyl(tert)butyl Ether	<0.26	0.26
75-09-2	Methylene Chloride	<0.26	0.26
91-20-3	Naphthalene	<0.26	0.26
104-51-8	n-Butylbenzene	<0.26	0.26
103-65-1	n-Propylbenzene	<0.10	0.10
95-47-6	o-Xylene	<0.052	0.052
99-87-6	4-Isopropyltoluene	<0.26	0.26
135-98-8	sec-Butylbenzene	<0.26	0.26
100-42-5	Styrene	<0.052	0.052
98-06-6	tert-Butylbenzene	<0.26	0.26
127-18-4	Tetrachloroethene	<0.052	0.052
109-99-9	Tetrahydrofuran	<1.0	1.0
108-88-3	Toluene	<0.052	0.052
79-01-6	Trichloroethene	<0.052	0.052
75-69-4	Trichlorofluoromethane	<0.26	0.26
75-01-4	Vinyl Chloride	<0.10	0.10



MDEQ Submittal #: 36024-1

Project: Tamarack City Stamp Mill Sampled: 06/04/02 @ 10:45

ERD-Superfund, Lansing Sampler: Spielberg
Submittal: June 4, 2002 Soils Received: 06/06/02 @ 10:00

Sample #: 307119 Sample ID: SS-21

	Analytical	Quant.		Analysis		Reference
Parameter	Result	Limit	Unit	Date	Chem	Citation
Percent Solids	93	0.1	용	06/07/02	GEH	SW-846 3550B



MDEQ Submittal #: 36024-1 06/04/02 @ 10:45 Sampled: Project: Tamarack City Stamp Mill ERD-Superfund, Lansing Sampler: Spielberg 06/06/02 @ 10:00 Submittal: June 4, 2002 Soils Received: Extracted: Analyzed: 06/13/02 by LEW Sample #: 307119 Ref. Citation: USEPA-8260B Sample ID: SS-21 Dilution Factor: Analytical Batch: 187112

Matrix: Soil QC Batch: 076008-113

CAS Number	MDEQ Plus List Volatiles * USEPA Method 5035/8260	Analytical Result (mg/kg dry)	Quantitation Limit (mg/kg dry)
630-20-6	1,1,1,2-Tetrachloroethane	<0.10	0.10
71-55-6	1,1,1-Trichloroethane	<0.050	0.050
79-34-5	1,1,2,2-Tetrachloroethane	<0.10	0.10
79-00-5	1,1,2-Trichloroethane	<0.050	0.050
75-34-3	1,1-Dichloroethane	<0.050	0.050
75-34-3	1,1-Dichloroethylene	<0.050	0.050
87-61-6	1,2,3-Trichlorobenzene	<0.25	0.030
96-18-4	1,2,3-Trichloropropane	<0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	<0.25	0.25
95-63-6	1,2,4-Trientorobenzene	<0.10	0.10
96-12-8	1,2-Dibromo-3-	<0.25	0.25
96-12-8	chloropropane	70.25	0.23
106-93-4	1,2-Dibromoethane	<0.050	0.050
95-50-1	1,2-Dichlorobenzene	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.050	0.050
156-59-2	cis-1,2-Dichloroethene	<0.050	0.050
156-60-5	trans-1,2-Dichloroethene	<0.050	0.050
78-87-5	1,2-Dichloropropane	<0.050	0.050
108-67-8	1,3,5-Trimethylbenzene	<0.10	0.10
541-73-1	1,3-Dichlorobenzene	<0.10	0.10
10061-01-5	cis-1,3-Dichloropropene	<0.050	0.050
10061-02-6	trans-1,3-Dichloropropene	<0.050	0.050
110-57-6	trans-1,4-Dichloro- 2-butene	<0.050	0.050
106-46-7	1,4-Dichlorobenzene	<0.10	0.10
78-93-3	Methyl Ethyl Ketone	<0.25	0.25
591-78-6	2-Hexanone	<0.25	0.25
91-57-6	2-Methylnaphthalene	<0.25	0.25
67-64-1	Acetone	<0.75	0.75
108-10-1	4-Methyl-2-Pentanone	<0.25	0.25
107-13-1	Acrylonitrile	<0.25	0.25
71-43-2	Benzene	<0.050	0.050
108-86-1	Bromobenzene	<0.10	0.10
74-97-5	Bromochloromethane	<0.10	0.10

^{*} See attached Statement of Data Qualifications.