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APPENDIX C

Data Summaries and Statistical Analyses

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	< 5.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

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Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
Acetone, ug/L	10.0	20.0 A
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	< 5.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

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Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/L	10.0	< 10.0 R
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 R
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	2.0 A
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

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Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 R
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	< 5.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

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Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/L	10.0	< 10.0 R
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 R
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	2.0 A
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	< 5.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

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Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	6.0 J
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	7.0 A
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	2.0 J
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	6.0 A
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

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Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Acetone, ug/L	10.0	< 10.0 U	3.0 A
Benzene, ug/L	5.0	< 5.0 U	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U	< 10.0 U
Methylene chloride, ug/L	5.0	< 5.0 U	< 5.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	3.0 A
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	11.0 A
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	7.0 A
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	11.0 A
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	1.0 A
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	7.0 A
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	2.0 A
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	3.0 A
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	3.0 R
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	2.0 A
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	8.0 A
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	4.0 A
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	3.0 A
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	1.0 A

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acetone, ug/L	10.0	< 10.0 R
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	< 5.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	8.0 R
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	2.0 A
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	8.0 A
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	9.0 A
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	07/31/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	1.0 R
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	8.0 A
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	7.0 A
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/L	10.0	< 10.0 R
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 R
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	< 5.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 U
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 R
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 U
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 R
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	10.0	< 10.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	50.0	< 50.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	10.0	< 10.0 U
N-Nitroso-di-n-propylamine, ug/L	50.0	< 50.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	10.0	< 10.0 U
Phenanthrene, ug/L	50.0	< 50.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	10.0	< 10.0 U
2,4,6-Trichlorophenol, ug/L	50.0	< 50.0 U
	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 R
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 R
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 R
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 R
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 R
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 R
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	2.0 A
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 R
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Acenaphthene, ug/L	10.0	< 10.0 U	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 10.0 U	< 10.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 U	< 20.0 U
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
2,4-Dinitrophenol, ug/L	50.0	< 50.0 R	< 50.0 R
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 R	< 10.0 R
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 R
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	5.0 A
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 R
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	12.0 A
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	2.0 A
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 U
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	3.0 A
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 R
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	1.0 A
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 R
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 R
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 U
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	3.0 A
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 R
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	07/31/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	1.0 A
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 U
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	3.0 A
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	1.0 A
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	07/31/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 R
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	1.0 A
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	4.0 A
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 R
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 R
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 R
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/03/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	3.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/03/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/03/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	2.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/03/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	5.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	7.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	3.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	1.0 A
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	3.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	1.0 A
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Acenaphthene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	1.0 A	3.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	3.0 A
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	5.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	1.0 A
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	4.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	3.0 A
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	11.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	1.0 A
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 UJ
Acenaphthylene (filtered), ug/L	10.0	< 10.0 UJ
Anthracene (filtered), ug/L	10.0	< 10.0 UJ
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 UJ
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 UJ
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 UJ
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 UJ
Benzoic acid (filtered), ug/L	50.0	< 50.0 UJ
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 UJ
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 UJ
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 UJ
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 UJ
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 UJ
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 UJ
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 UJ
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 UJ
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 UJ
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 UJ
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 UJ
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 UJ
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 UJ
Chrysene (filtered), ug/L	10.0	< 10.0 UJ
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 UJ
Dibenzofuran (filtered), ug/L	10.0	< 10.0 UJ
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 UJ
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 UJ
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 UJ
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 UJ
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 UJ
Diethylphthalate (filtered), ug/L	10.0	< 10.0 UJ
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 UJ
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 UJ
Di-n-butylphthalate (filtered), ug/L	10.0	20.0 J
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 UJ
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 UJ

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 UJ
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 UJ
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 UJ
Fluoranthene (filtered), ug/L	10.0	< 10.0 UJ
Fluorene (filtered), ug/L	10.0	< 10.0 UJ
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 UJ
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 UJ
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 UJ
Hexachloroethane (filtered), ug/L	10.0	< 10.0 UJ
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 UJ
Isophorone (filtered), ug/L	10.0	< 10.0 UJ
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 UJ
2-Methylphenol (filtered), ug/L	10.0	< 10.0 UJ
4-Methylphenol (filtered), ug/L	10.0	< 10.0 UJ
Naphthalene (filtered), ug/L	10.0	< 10.0 UJ
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 UJ
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 UJ
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 UJ
Nitrobenzene (filtered), ug/L	10.0	< 10.0 UJ
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 UJ
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 UJ
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 UJ
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 UJ
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 UJ
Phenanthrene (filtered), ug/L	10.0	< 10.0 UJ
Phenol (filtered), ug/L	10.0	< 10.0 UJ
Pyrene (filtered), ug/L	10.0	< 10.0 UJ
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 UJ
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 UJ
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 UJ

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	2.0 A
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	6.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	07/31/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	2.0 A
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	4.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	07/31/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	1.0 A
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/03/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/03/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 U
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 10.0 U
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	6.0 A
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	0.14 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/03/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	0.14 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/03/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/01/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Aldrin, ug/L	0.05	< 0.05 R	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R	< 0.05 R
beta-BHC, ug/L	0.05	0.17 R	0.17 R
delta-BHC, ug/L	0.05	< 0.05 R	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Aroclor-1016, ug/L	0.5	< 0.5 R	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/01/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/01/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/01/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/01/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/01/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	07/31/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	0.094 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	07/31/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/03/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/03/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/L	0.05	< 0.05 R
alpha-BHC, ug/L	0.05	< 0.05 R
beta-BHC, ug/L	0.05	< 0.05 R
delta-BHC, ug/L	0.05	< 0.05 R
gamma-BHC (Lindane), ug/L	0.05	< 0.05 R
alpha-Chlordane, ug/L	0.05	< 0.5 R
gamma-Chlordane, ug/L	0.05	< 0.5 R
4,4'-DDD, ug/L	0.1	< 0.1 R
4,4'-DDE, ug/L	0.1	< 0.1 R
4,4'-DDT, ug/L	0.1	< 0.1 R
Dieldrin, ug/L	0.1	< 0.1 R
Endosulfan I, ug/L	0.05	< 0.05 R
Endosulfan II, ug/L	0.1	< 0.1 R
Endosulfan sulfate, ug/L	0.1	< 0.1 R
Endrin, ug/L	0.1	< 0.1 R
Endrin ketone, ug/L	0.05	< 0.1 R
Heptachlor, ug/L	0.05	< 0.05 R
Heptachlor epoxide, ug/L	0.05	< 0.05 R
Methoxychlor, ug/L	0.05	< 0.5 R
Toxaphene, ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/L	0.5	< 0.5 R
Aroclor-1221, ug/L	0.5	< 0.5 R
Aroclor-1232, ug/L	0.5	< 0.5 R
Aroclor-1242, ug/L	0.5	< 0.5 R
Aroclor-1248, ug/L	0.5	< 0.5 R
Aroclor-1254, ug/L	1.0	< 1.0 R
Aroclor-1260, ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/03/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	0.11 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/03/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/03/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	0.14 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/03/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/02/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/02/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/02/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/01/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Aldrin (filtered), ug/L	0.05	< 0.05 R	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R	< 0.05 R
beta-BHC (filtered), ug/L	0.05	0.15 R	0.15 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/01/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/01/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/01/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/01/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/01/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	07/31/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	07/31/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/03/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/03/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	08/02/90
Aldrin (filtered), ug/L	0.05	< 0.05 R
alpha-BHC (filtered), ug/L	0.05	< 0.05 R
beta-BHC (filtered), ug/L	0.05	< 0.05 R
delta-BHC (filtered), ug/L	0.05	< 0.05 R
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 R
alpha-Chlordane (filtered), ug/L	0.05	< 0.5 R
gamma-Chlordane (filtered), ug/L	0.05	< 0.5 R
4,4'-DDD (filtered), ug/L	0.1	< 0.1 R
4,4'-DDE (filtered), ug/L	0.1	< 0.1 R
4,4'-DDT (filtered), ug/L	0.1	< 0.1 R
Dieldrin (filtered), ug/L	0.1	< 0.1 R
Endosulfan I (filtered), ug/L	0.05	< 0.05 R
Endosulfan II (filtered), ug/L	0.1	< 0.1 R
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 R
Endrin (filtered), ug/L	0.1	< 0.1 R
Endrin ketone (filtered), ug/L	0.05	< 0.1 R
Heptachlor (filtered), ug/L	0.05	< 0.05 R
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 R
Methoxychlor (filtered), ug/L	0.05	< 0.5 R
Toxaphene (filtered), ug/L	1.0	< 1.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	08/02/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 R
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 R
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 R

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/03/90
Aluminum, dissolved, mg/L	0.2	< 0.015 U (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	< 0.002 U (0.002)
Barium, dissolved, mg/L	0.2	0.0172 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	30.3 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	0.512 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	4.08 J (0.023)
Manganese, dissolved, mg/L	0.015	0.0654 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	1.99 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	10.6 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	< 0.006 U (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/03/90
Aluminum, dissolved, mg/L	0.2	< 0.015 U (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	0.0245 A (0.002)
Barium, dissolved, mg/L	0.2	0.027 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	36.6 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	1.67 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	6.96 A (0.023)
Manganese, dissolved, mg/L	0.015	0.925 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	2.46 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	10.8 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	< 0.006 U (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, dissolved, mg/L	0.2	< 0.015 UJ (0.015)
Antimony, dissolved, mg/L	0.06	0.0245 J (0.019)
Arsenic, dissolved, mg/L	0.01	< 0.002 U (0.002)
Barium, dissolved, mg/L	0.2	0.0273 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	31.8 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 UJ (0.003)
Iron, dissolved, mg/L	0.1	0.403 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	4.93 J (0.023)
Manganese, dissolved, mg/L	0.015	0.0976 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	3.57 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	66.1 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	< 0.006 U (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, dissolved, mg/L	0.2	0.0596 J (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	0.0138 A (0.002)
Barium, dissolved, mg/L	0.2	0.0776 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	27.7 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	0.802 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	6.85 A (0.023)
Manganese, dissolved, mg/L	0.015	0.191 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	3.62 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	31.6 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.0479 A (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, dissolved, mg/L	0.2	0.137 J (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	0.0114 A (0.002)
Barium, dissolved, mg/L	0.2	0.106 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	56.3 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	0.759 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	11.8 A (0.023)
Manganese, dissolved, mg/L	0.015	2.86 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	12.5 A (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	0.0024 J (0.002)
Sodium, dissolved, mg/L	5.0	89.3 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.0373 A (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, dissolved, mg/L	0.2	< 0.173 U (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	0.0027 J (0.002)
Barium, dissolved, mg/L	0.2	0.0551 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	32.3 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.02 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	< 0.11 U (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	6.83 A (0.023)
Manganese, dissolved, mg/L	0.015	1.32 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	6.8 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	149.0 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.0296 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/03/90	08/03/90 Replicate
Aluminum, dissolved, mg/L	0.2	< 0.015 U (0.015)	0.0408 J (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	< 0.002 U (0.002)	< 0.002 U (0.002)
Barium, dissolved, mg/L	0.2	0.0134 J (0.001)	0.0158 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	16.2 A (0.014)	16.9 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	0.333 A (0.003)	0.346 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	3.09 J (0.023)	3.25 J (0.023)
Manganese, dissolved, mg/L	0.015	0.0398 J (0.001)	0.0547 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	2.78 J (0.428)	2.75 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	33.1 A (0.018)	36.0 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.0066 J (0.006)	0.0101 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, dissolved, mg/L	0.2	< 0.193 U (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	0.0077 J (0.002)
Barium, dissolved, mg/L	0.2	0.0857 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	33.7 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.02 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	1.05 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	5.67 A (0.023)
Manganese, dissolved, mg/L	0.015	0.55 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	5.57 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	44.0 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.276 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, dissolved, mg/L	0.2	< 0.193 U (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	0.0035 J (0.002)
Barium, dissolved, mg/L	0.2	0.0543 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	33.8 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	0.363 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	6.57 A (0.023)
Manganese, dissolved, mg/L	0.015	0.81 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	6.53 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	53.7 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.0507 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, dissolved, mg/L	0.2	0.0868 J (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	0.0054 J (0.002)
Barium, dissolved, mg/L	0.2	0.0626 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	27.4 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	0.0039 J (0.003)
Iron, dissolved, mg/L	0.1	0.812 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	4.92 J (0.023)
Manganese, dissolved, mg/L	0.015	0.448 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	4.43 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	37.9 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.11 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, dissolved, mg/L	0.2	0.191 J (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	0.0111 A (0.002)
Barium, dissolved, mg/L	0.2	0.0236 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	29.1 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	0.962 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	7.16 A (0.023)
Manganese, dissolved, mg/L	0.015	0.214 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	3.72 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	34.9 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.0667 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, dissolved, mg/L	0.2	0.056 J (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	0.0056 J (0.002)
Barium, dissolved, mg/L	0.2	0.0626 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	27.2 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	0.0039 J (0.003)
Iron, dissolved, mg/L	0.1	0.787 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	4.85 J (0.023)
Manganese, dissolved, mg/L	0.015	0.443 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	4.95 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	0.0022 A (0.002)
Sodium, dissolved, mg/L	5.0	37.5 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.104 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	07/31/90
Aluminum, dissolved, mg/L	0.2	0.159 J (0.015)
Antimony, dissolved, mg/L	0.06	0.0214 J (0.019)
Arsenic, dissolved, mg/L	0.01	0.0072 J (0.002)
Barium, dissolved, mg/L	0.2	0.0629 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	28.9 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	0.004 J (0.003)
Iron, dissolved, mg/L	0.1	0.947 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	5.18 A (0.023)
Manganese, dissolved, mg/L	0.015	0.773 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	4.41 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	37.4 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.0969 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/03/90
Aluminum, dissolved, mg/L	0.2	< 0.193 U (0.015)
Antimony, dissolved, mg/L	0.06	0.0248 J (0.019)
Arsenic, dissolved, mg/L	0.01	0.0063 J (0.002)
Barium, dissolved, mg/L	0.2	0.0761 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	42.8 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.02 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	0.116 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	9.03 A (0.023)
Manganese, dissolved, mg/L	0.015	1.84 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	9.69 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	133.0 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.0203 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, dissolved, mg/L	0.2	0.0973 J (0.015)
Antimony, dissolved, mg/L	0.06	< 0.019 U (0.019)
Arsenic, dissolved, mg/L	0.01	0.0175 A (0.002)
Barium, dissolved, mg/L	0.2	0.0297 J (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Calcium, dissolved, mg/L	5.0	41.0 A (0.014)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.003 U (0.003)
Copper, dissolved, mg/L	0.025	< 0.003 U (0.003)
Iron, dissolved, mg/L	0.1	0.726 A (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	8.35 A (0.023)
Manganese, dissolved, mg/L	0.015	0.28 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.024 U (0.024)
Potassium, dissolved, mg/L	5.0	3.65 J (0.428)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.002 U (0.002)
Sodium, dissolved, mg/L	5.0	31.7 A (0.018)
Thallium, dissolved, mg/L	0.01	< 0.003 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.017 U (0.017)
Vanadium, dissolved, mg/L	0.05	< 0.003 U (0.003)
Zinc, dissolved, mg/L	0.02	0.0374 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/03/90
Aluminum, total, mg/L	0.2	< 0.151 UJ (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.0185 J (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	28.4 A (0.014)
Chromium, total, mg/L	0.01	0.0036 J (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	< 0.003 U (0.003)
Iron, total, mg/L	0.1	1.16 J (0.003)
Lead, total, mg/L	0.005	0.0022 J (0.002)
Magnesium, total, mg/L	5.0	3.76 A (0.023)
Manganese, total, mg/L	0.015	0.0833 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	< 2.32 U (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	10.1 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.0203 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/03/90
Aluminum, total, mg/L	0.2	< 0.151 UJ (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	0.0406 A (0.002)
Barium, total, mg/L	0.2	0.0267 J (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	33.3 A (0.014)
Chromium, total, mg/L	0.01	0.0039 J (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	< 0.003 U (0.003)
Iron, total, mg/L	0.1	2.94 J (0.003)
Lead, total, mg/L	0.005	0.003 J (0.002)
Magnesium, total, mg/L	5.0	6.29 A (0.023)
Manganese, total, mg/L	0.015	0.861 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	2.46 J (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	9.82 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.0193 J (0.006)

Explanation

CRDL Contract Required Detection Limit
N/R Not Reported
\- Not Analyzed

Validation Codes

A Quantitative Data
J Qualitative Data
R Unusable Data
U Chemical Parameter Not Detected
UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/L	0.2	0.198 J (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.031 J (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	29.9 A (0.014)
Chromium, total, mg/L	0.01	< 0.003 U (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	< 0.003 U (0.003)
Iron, total, mg/L	0.1	0.924 J (0.003)
Lead, total, mg/L	0.005	0.0042 J (0.002)
Magnesium, total, mg/L	5.0	4.71 A (0.023)
Manganese, total, mg/L	0.015	0.144 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	3.2 J (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	60.2 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.0143 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/L	0.2	< 0.151 UJ (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	0.0151 A (0.002)
Barium, total, mg/L	0.2	0.0223 J (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	26.4 A (0.014)
Chromium, total, mg/L	0.01	< 0.003 U (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	< 0.042 U (0.003)
Iron, total, mg/L	0.1	1.13 J (0.003)
Lead, total, mg/L	0.005	0.0029 J (0.002)
Magnesium, total, mg/L	5.0	6.45 A (0.023)
Manganese, total, mg/L	0.015	0.197 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	2.99 J (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	28.0 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.0317 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/L	0.2	< 0.151 UJ (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	0.0179 A (0.002)
Barium, total, mg/L	0.2	0.0677 J (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	55.0 A (0.014)
Chromium, total, mg/L	0.01	0.0116 J (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	< 0.003 U (0.003)
Iron, total, mg/L	0.1	4.88 J (0.003)
Lead, total, mg/L	0.005	0.0022 J (0.002)
Magnesium, total, mg/L	5.0	11.5 A (0.023)
Manganese, total, mg/L	0.015	1.15 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	11.8 A (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	85.9 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.0154 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, total, mg/L	0.2	0.646 J (0.015)
Antimony, total, mg/L	0.06	< 0.0335 U (0.019)
Arsenic, total, mg/L	0.01	< 0.0081 U (0.002)
Barium, total, mg/L	0.2	< 0.033 U (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	32.5 A (0.014)
Chromium, total, mg/L	0.01	0.0626 J (0.003)
Cobalt, total, mg/L	0.05	< 0.0048 U (0.003)
Copper, total, mg/L	0.025	< 0.0102 U (0.003)
Iron, total, mg/L	0.1	1.65 J (0.003)
Lead, total, mg/L	0.005	< 0.0024 U (0.002)
Magnesium, total, mg/L	5.0	6.69 A (0.023)
Manganese, total, mg/L	0.015	1.33 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	6.59 J (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	146.0 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	< 0.078 UJ (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/03/90	08/03/90 Replicate
Aluminum, total, mg/L	0.2	< 0.151 UJ (0.015)	0.249 J (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	0.002 J (0.002)	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.0182 J (0.001)	0.0204 J (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	14.9 A (0.014)	15.3 A (0.014)
Chromium, total, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)	< 0.003 U (0.003)
Copper, total, mg/L	0.025	0.0051 A (0.003)	0.0063 A (0.003)
Iron, total, mg/L	0.1	0.806 J (0.003)	1.28 J (0.003)
Lead, total, mg/L	0.005	0.0037 J (0.002)	0.0048 J (0.002)
Magnesium, total, mg/L	5.0	2.89 J (0.023)	2.99 J (0.023)
Manganese, total, mg/L	0.015	0.0922 A (0.001)	0.0985 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	2.56 J (0.428)	2.47 J (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	28.5 A (0.018)	30.8 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.0109 J (0.006)	0.0228 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, total, mg/L	0.2	< 0.17 UJ (0.015)
Antimony, total, mg/L	0.06	0.0201 J (0.019)
Arsenic, total, mg/L	0.01	0.0081 J (0.002)
Barium, total, mg/L	0.2	0.0321 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	31.7 A (0.014)
Chromium, total, mg/L	0.01	0.0049 J (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	0.0135 J (0.003)
Iron, total, mg/L	0.1	2.4 J (0.003)
Lead, total, mg/L	0.005	0.0043 J (0.002)
Magnesium, total, mg/L	5.0	5.22 A (0.023)
Manganese, total, mg/L	0.015	0.536 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	4.25 A (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	39.0 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	0.0032 A (0.003)
Zinc, total, mg/L	0.02	0.276 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, total, mg/L	0.2	0.19 J (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	0.0082 J (0.002)
Barium, total, mg/L	0.2	0.0422 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	33.5 A (0.014)
Chromium, total, mg/L	0.01	0.0205 J (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	0.0114 J (0.003)
Iron, total, mg/L	0.1	1.86 J (0.003)
Lead, total, mg/L	0.005	0.0086 A (0.002)
Magnesium, total, mg/L	5.0	6.3 A (0.023)
Manganese, total, mg/L	0.015	0.838 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	6.49 A (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	0.002 A (0.002)
Sodium, total, mg/L	5.0	51.7 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	< 0.078 U (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/L	0.2	< 0.151 U (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	0.0089 J (0.002)
Barium, total, mg/L	0.2	0.0292 J (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	27.3 A (0.014)
Chromium, total, mg/L	0.01	< 0.003 U (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	0.0073 J (0.003)
Iron, total, mg/L	0.1	1.7 J (0.003)
Lead, total, mg/L	0.005	0.0032 J (0.002)
Magnesium, total, mg/L	5.0	4.81 A (0.023)
Manganese, total, mg/L	0.015	0.462 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	4.45 A (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	36.5 J (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.129 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, total, mg/L	0.2	< 0.151 U (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	< 0.01 U (0.002)
Barium, total, mg/L	0.2	0.0351 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	28.1 A (0.014)
Chromium, total, mg/L	0.01	< 0.003 U (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	< 0.003 U (0.003)
Iron, total, mg/L	0.1	0.446 J (0.003)
Lead, total, mg/L	0.005	0.0036 J (0.002)
Magnesium, total, mg/L	5.0	6.79 A (0.023)
Manganese, total, mg/L	0.015	0.2 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	3.55 A (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	33.4 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.0484 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, total, mg/L	0.2	< 0.151 U (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	< 0.01 U (0.002)
Barium, total, mg/L	0.2	0.0303 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	27.1 A (0.014)
Chromium, total, mg/L	0.01	0.0031 J (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	0.0078 J (0.003)
Iron, total, mg/L	0.1	1.84 J (0.003)
Lead, total, mg/L	0.005	0.0049 J (0.002)
Magnesium, total, mg/L	5.0	4.78 J (0.023)
Manganese, total, mg/L	0.015	0.455 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	4.35 A (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	36.0 J (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.145 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	07/31/90
Aluminum, total, mg/L	0.2	0.162 J (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	0.0139 A (0.002)
Barium, total, mg/L	0.2	0.0349 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	28.9 A (0.014)
Chromium, total, mg/L	0.01	0.0063 J (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	0.0096 J (0.003)
Iron, total, mg/L	0.1	3.03 J (0.003)
Lead, total, mg/L	0.005	0.0059 A (0.002)
Magnesium, total, mg/L	5.0	5.11 A (0.023)
Manganese, total, mg/L	0.015	0.821 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	4.17 A (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	36.6 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.155 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/03/90
Aluminum, total, mg/L	0.2	0.326 J (0.015)
Antimony, total, mg/L	0.06	0.0257 A (0.019)
Arsenic, total, mg/L	0.01	0.0151 A (0.002)
Barium, total, mg/L	0.2	0.0587 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	41.6 A (0.014)
Chromium, total, mg/L	0.01	0.0303 J (0.003)
Cobalt, total, mg/L	0.05	0.0051 J (0.003)
Copper, total, mg/L	0.025	0.0097 J (0.003)
Iron, total, mg/L	0.1	2.77 J (0.003)
Lead, total, mg/L	0.005	< 0.002 U (0.002)
Magnesium, total, mg/L	5.0	8.65 A (0.023)
Manganese, total, mg/L	0.015	1.84 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	9.32 A (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	129.0 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	< 0.078 U (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/L	0.2	< 0.151 U (0.015)
Antimony, total, mg/L	0.06	< 0.019 U (0.019)
Arsenic, total, mg/L	0.01	0.0296 A (0.002)
Barium, total, mg/L	0.2	0.0297 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.003 U (0.003)
Calcium, total, mg/L	5.0	39.0 A (0.014)
Chromium, total, mg/L	0.01	0.0034 J (0.003)
Cobalt, total, mg/L	0.05	< 0.003 U (0.003)
Copper, total, mg/L	0.025	< 0.042 U (0.003)
Iron, total, mg/L	0.1	1.89 J (0.003)
Lead, total, mg/L	0.005	0.0063 A (0.002)
Magnesium, total, mg/L	5.0	7.9 A (0.023)
Manganese, total, mg/L	0.015	0.28 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.024 U (0.024)
Potassium, total, mg/L	5.0	3.87 A (0.428)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.002 U (0.002)
Sodium, total, mg/L	5.0	29.0 A (0.018)
Thallium, total, mg/L	0.01	< 0.003 U (0.004)
Tin, total, mg/L	N/R	< 0.017 U (0.017)
Vanadium, total, mg/L	0.05	< 0.003 U (0.003)
Zinc, total, mg/L	0.02	0.0252 J (0.006)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/03/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/03/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.39 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/03/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/03/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/03/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	0.0075 J (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.83 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/03/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/02/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	0.0052 A (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.22 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/02/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.089 J (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/02/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	0.012 A (0.01)
Iron (II), total, mg/L	2.0 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/01/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/01/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	0.063 A (0.01)
Iron (II), total, mg/L	0.22 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/01/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/03/90	08/03/90 Replicate
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/03/90	08/03/90 Replicate
Arsenic (III), total, mg/L	< 0.005 U (0.005)	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)	< 0.01 U (0.01)
Iron (II), total, mg/L	0.83 A (0.05)	0.66 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/03/90	08/03/90 Replicate
Ethyl mercury, total, ug/L	< 3.0 R (3.0)	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

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Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/01/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/01/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.54 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/01/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/01/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/01/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	0.021 A (0.01)
Iron (II), total, mg/L	0.54 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/01/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/02/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.44 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/01/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/01/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.097 J (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/01/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/01/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/01/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.93 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/01/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	07/31/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	07/31/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	1.2 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	07/31/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/03/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/03/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	0.03 A (0.01)
Iron (II), total, mg/L	0.32 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/03/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	08/02/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)
Chromium, trivalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Chromium, trivalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.19 A (0.05)
Lead (II), total, mg/L	< 0.61 U (0.61)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/L	< 3.0 R (3.0)
Di-methyl tin, total, mg/L	< 0.05 U (0.05)
Mono-methyl tin, total, mg/L	< 0.025 U (0.025)
Tri-methyl tin, total, mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/03/90
Bicarbonate as $CaCO_3$, mg/L	58.1 A (5.0)
Carbonate as $CaCO_3$, mg/L	< 5.0 U (5.0)
Chloride, mg/L	16.8 A (6.0)
Hardness, mg/L	86.4 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	< 0.05 U (0.05)
Sulfate, mg/L	28.4 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/03/90
Bicarbonate as $CaCO_3$ (filtered), mg/L	53.1 A (5.0)
Carbonate as $CaCO_3$ (filtered), mg/L	12.8 A (5.0)
Chloride (filtered), mg/L	16.7 A (6.0)
Hardness (filtered), mg/L	92.5 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	29.4 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/03/90
Bicarbonate as CaCO3, mg/L	79.9 A (5.0)
Carbonate as CaCO3, mg/L	< 5.0 U (5.0)
Chloride, mg/L	11.7 A (6.0)
Hardness, mg/L	109.0 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.068 A (0.05)
Sulfate, mg/L	56.4 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/03/90
Bicarbonate as CaCO3 (filtered), mg/L	86.1 A (5.0)
Carbonate as CaCO3 (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	11.8 A (6.0)
Hardness (filtered), mg/L	120.0 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	57.8 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/02/90
Bicarbonate as CaCO3, mg/L	32.5 A (5.0)
Carbonate as CaCO3, mg/L	< 5.0 U (5.0)
Chloride, mg/L	123.0 A (6.0)
Hardness, mg/L	94.3 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	< 0.05 U (0.05)
Sulfate, mg/L	23.3 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/02/90
Bicarbonate as CaCO3 (filtered), mg/L	33.9 A (5.0)
Carbonate as CaCO3 (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	124.0 A (6.0)
Hardness (filtered), mg/L	100.0 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	23.2 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/02/90
Bicarbonate as CaCO3, mg/L	91.3 A (5.0)
Carbonate as CaCO3, mg/L	< 5.0 U (5.0)
Chloride, mg/L	49.3 A (6.0)
Hardness, mg/L	93.0 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.09 A (0.05)
Sulfate, mg/L	35.1 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/02/90
Bicarbonate as CaCO3 (filtered), mg/L	89.7 A (5.0)
Carbonate as CaCO3 (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	49.4 A (6.0)
Hardness (filtered), mg/L	97.4 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	0.061 A (0.05)
Sulfate (filtered), mg/L	34.9 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/02/90
Bicarbonate as CaCO3, mg/L	300.0 A (5.0)
Carbonate as CaCO3, mg/L	< 5.0 U (5.0)
Chloride, mg/L	108.0 A (6.0)
Hardness, mg/L	185.0 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.17 A (0.05)
Sulfate, mg/L	49.2 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/02/90
Bicarbonate as CaCO3 (filtered), mg/L	302.0 A (5.0)
Carbonate as CaCO3 (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	107.0 A (6.0)
Hardness (filtered), mg/L	189.0 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	50.3 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/01/90
Bicarbonate as $CaCO_3$, mg/L	97.0 A (5.0)
Carbonate as $CaCO_3$, mg/L	< 5.0 U (5.0)
Chloride, mg/L	177.0 A (6.0)
Hardness, mg/L	109.0 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.088 A (0.05)
Sulfate, mg/L	152.0 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/01/90
Bicarbonate as $CaCO_3$ (filtered), mg/L	97.8 A (5.0)
Carbonate as $CaCO_3$ (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	176.0 A (6.0)
Hardness (filtered), mg/L	109.0 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	153.0 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/03/90	08/03/90 Replicate
Bicarbonate as CaCO3, mg/L	21.5 A (5.0)	22.0 A (5.0)
Carbonate as CaCO3, mg/L	< 5.0 U (5.0)	< 5.0 U (5.0)
Chloride, mg/L	60.8 A (6.0)	59.3 A (6.0)
Hardness, mg/L	49.1 A (N/R)	50.5 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.094 A (0.05)	0.094 A (0.05)
Sulfate, mg/L	19.5 A (5.0)	19.4 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/03/90	08/03/90 Replicate
Bicarbonate as CaCO3 (filtered), mg/L	23.0 J (5.0)	22.2 J (5.0)
Carbonate as CaCO3 (filtered), mg/L	< 5.0 U (5.0)	< 5.0 U (5.0)
Chloride (filtered), mg/L	58.8 A (6.0)	59.6 A (6.0)
Hardness (filtered), mg/L	53.2 A (N/R)	55.6 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)	< 0.05 U (0.05)
Sulfate (filtered), mg/L	19.3 A (5.0)	19.3 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/01/90
Bicarbonate as $CaCO_3$, mg/L	81.3 A (5.0)
Carbonate as $CaCO_3$, mg/L	< 5.0 U (5.0)
Chloride, mg/L	56.5 A (6.0)
Hardness, mg/L	101.0 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.07 A (0.05)
Sulfate, mg/L	67.1 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/01/90
Bicarbonate as $CaCO_3$ (filtered), mg/L	80.9 A (5.0)
Carbonate as $CaCO_3$ (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	56.3 A (6.0)
Hardness (filtered), mg/L	107.0 A (N/R)
Orthophosphate as P (filtered), mg/L	0.29 A (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	66.7 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/01/90
Bicarbonate as $CaCO_3$, mg/L	105.0 A (5.0)
Carbonate as $CaCO_3$, mg/L	< 5.0 U (5.0)
Chloride, mg/L	76.6 A (6.0)
Hardness, mg/L	110.0 A (N/R)
Orthophosphate as P, mg/L	0.061 A (0.05)
Phosphorous, total, mg/L	0.09 A (0.05)
Sulfate, mg/L	50.7 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/01/90
Bicarbonate as $CaCO_3$ (filtered), mg/L	105.0 A (5.0)
Carbonate as $CaCO_3$ (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	77.3 A (6.0)
Hardness (filtered), mg/L	111.0 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	0.054 A (0.05)
Sulfate (filtered), mg/L	50.9 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/02/90
Bicarbonate as $CaCO_3$, mg/L	74.0 A (5.0)
Carbonate as $CaCO_3$, mg/L	< 5.0 U (5.0)
Chloride, mg/L	53.5 A (6.0)
Hardness, mg/L	88.0 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.064 A (0.05)
Sulfate, mg/L	53.9 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/02/90
Bicarbonate as $CaCO_3$ (filtered), mg/L	75.5 A (5.0)
Carbonate as $CaCO_3$ (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	53.3 A (6.0)
Hardness (filtered), mg/L	88.7 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	53.9 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/01/90
Bicarbonate as $CaCO_3$, mg/L	73.5 A (5.0)
Carbonate as $CaCO_3$, mg/L	< 5.0 U (5.0)
Chloride, mg/L	67.3 A (6.0)
Hardness, mg/L	98.2 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.079 A (0.05)
Sulfate, mg/L	30.4 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/01/90
Bicarbonate as $CaCO_3$ (filtered), mg/L	77.1 A (5.0)
Carbonate as $CaCO_3$ (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	66.6 A (6.0)
Hardness (filtered), mg/L	103.0 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	31.6 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/01/90
Bicarbonate as $CaCO_3$, mg/L	74.9 A (5.0)
Carbonate as $CaCO_3$, mg/L	< 5.0 U (5.0)
Chloride, mg/L	52.0 A (6.0)
Hardness, mg/L	87.4 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.05 A (0.05)
Sulfate, mg/L	53.5 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/01/90
Bicarbonate as $CaCO_3$ (filtered), mg/L	74.6 A (5.0)
Carbonate as $CaCO_3$ (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	51.6 A (6.0)
Hardness (filtered), mg/L	87.9 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	53.4 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	07/31/90
Bicarbonate as CaCO3, mg/L	78.6 A (5.0)
Carbonate as CaCO3, mg/L	< 5.0 U (5.0)
Chloride, mg/L	52.3 A (6.0)
Hardness, mg/L	93.2 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.05 A (0.05)
Sulfate, mg/L	49.5 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	07/31/90
Bicarbonate as CaCO3 (filtered), mg/L	80.7 A (5.0)
Carbonate as CaCO3 (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	53.2 A (6.0)
Hardness (filtered), mg/L	93.5 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	49.5 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/03/90
Bicarbonate as $CaCO_3$, mg/L	197.0 A (5.0)
Carbonate as $CaCO_3$, mg/L	< 5.0 U (5.0)
Chloride, mg/L	158.0 A (6.0)
Hardness, mg/L	139.0 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.09 A (0.05)
Sulfate, mg/L	98.0 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/03/90
Bicarbonate as $CaCO_3$ (filtered), mg/L	196.0 A (5.0)
Carbonate as $CaCO_3$ (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	168.0 A (6.0)
Hardness (filtered), mg/L	144.0 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	99.5 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	08/02/90
Bicarbonate as CaCO3, mg/L	86.7 A (5.0)
Carbonate as CaCO3, mg/L	< 5.0 U (5.0)
Chloride, mg/L	53.1 A (6.0)
Hardness, mg/L	130.0 A (N/R)
Orthophosphate as P, mg/L	< 0.05 U (0.05)
Phosphorous, total, mg/L	0.083 A (0.05)
Sulfate, mg/L	64.1 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	08/02/90
Bicarbonate as CaCO3 (filtered), mg/L	94.0 A (5.0)
Carbonate as CaCO3 (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	54.0 A (6.0)
Hardness (filtered), mg/L	123.0 A (N/R)
Orthophosphate as P (filtered), mg/L	< 0.05 U (0.05)
Phosphorous, total (filtered), mg/L	< 0.05 U (0.05)
Sulfate (filtered), mg/L	64.7 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-1

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/03/90
Chemical oxygen demand, mg/L	32.6 J (20.0)
Total organic carbon, mg/L	8.5 A (0.5)
Total suspended solids, mg/L	< 5.0 UJ (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/03/90
Chemical oxygen demand (filtered), mg/L	< 20.0 U (20.0)
Total organic carbon (filtered), mg/L	7.8 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/03/90
Dissolved oxygen, field, mg/L	7.3 F (N/R)
eH, field, mvolts	175.1 F (N/R)
pH, field, s.u.	7.63 F (0.01)
Specific conductance, field, umhos/cm	220.0 F (N/R)
Temperature, field, Celsius	24.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-2

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/03/90
Chemical oxygen demand, mg/L	90.7 J (20.0)
Total organic carbon, mg/L	9.1 A (0.5)
Total suspended solids, mg/L	6.0 J (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/03/90
Chemical oxygen demand (filtered), mg/L	< 20.0 U (20.0)
Total organic carbon (filtered), mg/L	7.8 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/03/90
Dissolved oxygen, field, mg/L	3.2 F (N/R)
eH, field, mvolts	10.9 F (N/R)
Specific conductance, field, umhos/cm	310.0 F (N/R)
Temperature, field, Celsius	20.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-4

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/02/90
Chemical oxygen demand, mg/L	20.4 J (20.0)
Total organic carbon, mg/L	5.5 A (0.5)
Total suspended solids, mg/L	5.0 A (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/02/90
Chemical oxygen demand (filtered), mg/L	< 20.0 U (20.0)
Total organic carbon (filtered), mg/L	4.3 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
Dissolved oxygen, field, mg/L	7.3 F (N/R)
eH, field, mvolts	127.0 F (N/R)
pH, field, s.u.	6.35 F (0.01)
Specific conductance, field, umhos/cm	540.0 F (N/R)
Temperature, field, Celsius	27.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-5

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/02/90
Chemical oxygen demand, mg/L	23.2 J (20.0)
Total organic carbon, mg/L	7.8 A (0.5)
Total suspended solids, mg/L	< 5.0 U (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/02/90
Chemical oxygen demand (filtered), mg/L	26.0 A (20.0)
Total organic carbon (filtered), mg/L	8.5 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
Dissolved oxygen, field, mg/L	4.9 F (N/R)
eH, field, mvolts	116.9 F (N/R)
pH, field, s.u.	6.55 F (0.01)
Specific conductance, field, umhos/cm	400.0 F (N/R)
Temperature, field, Celsius	24.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-6

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/02/90
Chemical oxygen demand, mg/L	56.6 J (20.0)
Total organic carbon, mg/L	15.3 A (0.5)
Total suspended solids, mg/L	18.0 A (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/02/90
Chemical oxygen demand (filtered), mg/L	53.8 A (20.0)
Total organic carbon (filtered), mg/L	15.4 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
Dissolved oxygen, field, mg/L	5.0 F (N/R)
eH, field, mvolts	-4.4 F (N/R)
pH, field, s.u.	7.57 F (0.01)
Specific conductance, field, umhos/cm	1040.0 F (N/R)
Temperature, field, Celsius	10.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-7

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/01/90
Chemical oxygen demand, mg/L	20.4 J (20.0)
Total organic carbon, mg/L	5.6 A (0.5)
Total suspended solids, mg/L	7.0 A (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/01/90
Chemical oxygen demand (filtered), mg/L	23.2 A (20.0)
Total organic carbon (filtered), mg/L	5.4 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/01/90
Dissolved oxygen, field, mg/L	6.2 F (N/R)
eH, field, mvolts	108.7 F (N/R)
pH, field, s.u.	7.62 F (0.01)
Specific conductance, field, umhos/cm	1180.0 F (N/R)
Temperature, field, Celsius	23.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-8

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/03/90	08/03/90 Replicate
Chemical oxygen demand, mg/L	52.0 J (20.0)	32.6 J (20.0)
Total organic carbon, mg/L	10.1 A (0.5)	9.9 A (0.5)
Total suspended solids, mg/L	40.0 J (5.0)	20.0 J (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/03/90	08/03/90 Replicate
Chemical oxygen demand (filtered), mg/L	24.3 A (20.0)	< 20.0 U (20.0)
Total organic carbon (filtered), mg/L	7.3 A (0.5)	7.7 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/03/90	08/03/90 Replicate
Dissolved oxygen, field, mg/L	10.2 F (N/R)	-
eH, field, mvolts	166.0 F (N/R)	-
pH, field, s.u.	7.9 F (0.01)	-
Specific conductance, field, umhos/cm	280.0 F (N/R)	-
Temperature, field, Celsius	25.0 F (0.1)	-

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-9

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/01/90
Chemical oxygen demand, mg/L	< 20.0 UJ (20.0)
Total organic carbon, mg/L	8.6 A (0.5)
Total suspended solids, mg/L	< 5.0 U (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/01/90
Chemical oxygen demand (filtered), mg/L	26.0 A (20.0)
Total organic carbon (filtered), mg/L	7.7 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/01/90
Dissolved oxygen, field, mg/L	4.9 F (N/R)
eH, field, mvolts	152.3 F (N/R)
pH, field, s.u.	9.75 F (0.01)
Specific conductance, field, umhos/cm	540.0 F (N/R)
Temperature, field, Celsius	21.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-10

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/01/90
Chemical oxygen demand, mg/L	28.7 J (20.0)
Total organic carbon, mg/L	9.1 A (0.5)
Total suspended solids, mg/L	< 5.0 U (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/01/90
Chemical oxygen demand (filtered), mg/L	42.7 A (20.0)
Total organic carbon (filtered), mg/L	7.9 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/01/90
Dissolved oxygen, field, mg/L	6.2 F (N/R)
eH, field, mvolts	136.2 F (N/R)
pH, field, s.u.	7.03 F (0.01)
Specific conductance, field, umhos/cm	600.0 F (N/R)
Temperature, field, Celsius	22.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-11

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/02/90
Chemical oxygen demand, mg/L	26.0 J (20.0)
Total organic carbon, mg/L	8.4 A (0.5)
Total suspended solids, mg/L	< 5.0 U (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/02/90
Chemical oxygen demand (filtered), mg/L	< 20.0 U (20.0)
Total organic carbon (filtered), mg/L	8.0 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
Dissolved oxygen, field, mg/L	7.4 F (N/R)
eH, field, mvolts	195.1 F (N/R)
pH, field, s.u.	9.92 F (0.01)
Specific conductance, field, umhos/cm	470.0 F (N/R)
Temperature, field, Celsius	27.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-12

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/01/90
Chemical oxygen demand, mg/L	26.0 J (20.0)
Total organic carbon, mg/L	5.5 A (0.5)
Total suspended solids, mg/L	< 5.0 U (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/01/90
Chemical oxygen demand (filtered), mg/L	20.4 A (20.0)
Total organic carbon (filtered), mg/L	5.8 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/01/90
Dissolved oxygen, field, mg/L	3.6 F (N/R)
eH, field, mvolts	126.4 F (N/R)
pH, field, s.u.	5.61 F (0.01)
Specific conductance, field, umhos/cm	400.0 F (N/R)
Temperature, field, Celsius	19.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-13

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/01/90
Chemical oxygen demand, mg/L	31.5 J (20.0)
Total organic carbon, mg/L	8.8 A (0.5)
Total suspended solids, mg/L	< 5.0 U (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/01/90
Chemical oxygen demand (filtered), mg/L	< 20.0 U (20.0)
Total organic carbon (filtered), mg/L	8.5 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/01/90
Dissolved oxygen, field, mg/L	7.3 F (N/R)
eH, field, mvolts	210.0 F (N/R)
pH, field, s.u.	6.79 F (0.01)
Specific conductance, field, umhos/cm	460.0 F (N/R)
Temperature, field, Celsius	27.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-14

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	07/31/90
Chemical oxygen demand, mg/L	20.4 J (20.0)
Total organic carbon, mg/L	9.2 A (0.5)
Total suspended solids, mg/L	9.0 A (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	07/31/90
Chemical oxygen demand (filtered), mg/L	20.4 A (20.0)
Total organic carbon (filtered), mg/L	7.3 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	07/31/90
Dissolved oxygen, field, mg/L	6.5 F (N/R)
eH, field, mvolts	117.2 F (N/R)
pH, field, s.u.	6.07 F (0.01)
Specific conductance, field, umhos/cm	450.0 F (N/R)
Temperature, field, Celsius	21.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

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Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-15

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/03/90
Chemical oxygen demand, mg/L	28.7 J (20.0)
Total organic carbon, mg/L	10.6 A (0.5)
Total suspended solids, mg/L	9.0 A (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/03/90
Chemical oxygen demand (filtered), mg/L	37.1 A (20.0)
Total organic carbon (filtered), mg/L	9.4 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/03/90
Dissolved oxygen, field, mg/L	6.1 F (N/R)
eH, field, mvolts	117.7 F (N/R)
pH, field, s.u.	9.89 F (0.01)
Specific conductance, field, umhos/cm	1180.0 F (N/R)
Temperature, field, Celsius	23.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 3. Summary of Surface-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Surface Water Station: SW-17

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	08/02/90
Chemical oxygen demand, mg/L	23.2 J (20.0)
Total organic carbon, mg/L	9.1 A (0.5)
Total suspended solids, mg/L	7.0 A (5.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	08/02/90
Chemical oxygen demand (filtered), mg/L	26.0 A (20.0)
Total organic carbon (filtered), mg/L	8.8 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
eH, field, mvolts	36.9 F (N/R)
pH, field, s.u.	6.7 F (0.01)
Specific conductance, field, umhos/cm	480.0 F (N/R)
Temperature, field, Celsius	26.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

APPENDIX C

Data Summaries and Statistical Analyses

Section 4. Summary of Stream-Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-1

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
Acetone, ug/kg	10.0	20.0 R
Benzene, ug/kg	5.0	< 6.0 U
Bromodichloromethane, ug/kg	5.0	< 6.0 U
Bromoform, ug/kg	5.0	< 6.0 U
Bromomethane, ug/kg	10.0	< 12.0 U
2-Butanone, ug/kg	10.0	< 12.0 UJ
Carbon disulfide, ug/kg	5.0	< 6.0 U
Carbon tetrachloride, ug/kg	5.0	< 6.0 U
Chlorobenzene, ug/kg	5.0	< 6.0 U
Chloroethane, ug/kg	10.0	< 12.0 U
Chloroform, ug/kg	5.0	< 6.0 U
Chloromethane, ug/kg	10.0	< 12.0 U
Dibromochloromethane, ug/kg	5.0	< 6.0 U
1,1-Dichloroethane, ug/kg	5.0	< 6.0 U
1,2-Dichloroethane, ug/kg	5.0	< 6.0 U
1,1-Dichloroethene, ug/kg	5.0	< 6.0 U
1,2-Dichloroethene, total, ug/kg	5.0	< 6.0 U
1,2-Dichloropropane, ug/kg	5.0	< 6.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 6.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 6.0 U
Ethylbenzene, ug/kg	5.0	< 6.0 U
2-Hexanone, ug/kg	10.0	< 12.0 U
Methylene chloride, ug/kg	5.0	7.0 J
4-Methyl-2-pentanone, ug/kg	10.0	< 12.0 U
Styrene, ug/kg	5.0	< 6.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 6.0 U
Tetrachloroethene, ug/kg	5.0	< 6.0 U
Toluene, ug/kg	5.0	6.0 A
1,1,1-Trichloroethane, ug/kg	5.0	< 6.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 6.0 U
Trichloroethene, ug/kg	5.0	< 6.0 U
Vinyl acetate, ug/kg	10.0	< 12.0 U
Vinyl chloride, ug/kg	10.0	< 12.0 U
Xylenes, total, ug/kg	5.0	< 6.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-2

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
Acetone, ug/kg	10.0	10.0 R
Benzene, ug/kg	5.0	< 6.0 U
Bromodichloromethane, ug/kg	5.0	< 6.0 U
Bromoform, ug/kg	5.0	< 6.0 U
Bromomethane, ug/kg	10.0	< 12.0 U
2-Butanone, ug/kg	10.0	< 12.0 UJ
Carbon disulfide, ug/kg	5.0	< 6.0 U
Carbon tetrachloride, ug/kg	5.0	< 6.0 U
Chlorobenzene, ug/kg	5.0	< 6.0 U
Chloroethane, ug/kg	10.0	< 12.0 U
Chloroform, ug/kg	5.0	< 6.0 U
Chloromethane, ug/kg	10.0	< 12.0 U
Dibromochloromethane, ug/kg	5.0	< 6.0 U
1,1-Dichloroethane, ug/kg	5.0	< 6.0 U
1,2-Dichloroethane, ug/kg	5.0	< 6.0 U
1,1-Dichloroethene, ug/kg	5.0	< 6.0 U
1,2-Dichloroethene, total, ug/kg	5.0	< 6.0 U
1,2-Dichloropropane, ug/kg	5.0	< 6.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 6.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 6.0 U
Ethylbenzene, ug/kg	5.0	< 6.0 U
2-Hexanone, ug/kg	10.0	< 12.0 U
Methylene chloride, ug/kg	5.0	6.0 J
4-Methyl-2-pentanone, ug/kg	10.0	< 12.0 U
Styrene, ug/kg	5.0	< 6.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 6.0 U
Tetrachloroethene, ug/kg	5.0	< 6.0 U
Toluene, ug/kg	5.0	< 6.0 U
1,1,1-Trichloroethane, ug/kg	5.0	< 6.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 6.0 U
Trichloroethene, ug/kg	5.0	< 6.0 U
Vinyl acetate, ug/kg	10.0	< 12.0 U
Vinyl chloride, ug/kg	10.0	< 12.0 U
Xylenes, total, ug/kg	5.0	< 6.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-3

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
Acetone, ug/kg	10.0	12.0 R
Benzene, ug/kg	5.0	< 7.0 U
Bromodichloromethane, ug/kg	5.0	< 7.0 U
Bromoform, ug/kg	5.0	< 7.0 U
Bromomethane, ug/kg	10.0	< 14.0 U
2-Butanone, ug/kg	10.0	< 14.0 UJ
Carbon disulfide, ug/kg	5.0	< 7.0 U
Carbon tetrachloride, ug/kg	5.0	< 7.0 U
Chlorobenzene, ug/kg	5.0	< 7.0 U
Chloroethane, ug/kg	10.0	< 14.0 U
Chloroform, ug/kg	5.0	< 7.0 U
Chloromethane, ug/kg	10.0	< 14.0 U
Dibromochloromethane, ug/kg	5.0	< 7.0 U
1,1-Dichloroethane, ug/kg	5.0	< 7.0 U
1,2-Dichloroethane, ug/kg	5.0	< 7.0 U
1,1-Dichloroethene, ug/kg	5.0	< 7.0 U
1,2-Dichloroethene, total, ug/kg	5.0	< 7.0 U
1,2-Dichloropropane, ug/kg	5.0	< 7.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 7.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 7.0 U
Ethylbenzene, ug/kg	5.0	< 7.0 U
2-Hexanone, ug/kg	10.0	< 14.0 U
Methylene chloride, ug/kg	5.0	7.0 J
4-Methyl-2-pentanone, ug/kg	10.0	< 14.0 U
Styrene, ug/kg	5.0	< 7.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 7.0 U
Tetrachloroethene, ug/kg	5.0	< 7.0 U
Toluene, ug/kg	5.0	< 7.0 U
1,1,1-Trichloroethane, ug/kg	5.0	< 7.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 7.0 U
Trichloroethene, ug/kg	5.0	< 7.0 U
Vinyl acetate, ug/kg	10.0	< 14.0 U
Vinyl chloride, ug/kg	10.0	< 14.0 U
Xylenes, total, ug/kg	5.0	< 7.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-4

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/kg	10.0	8.0 R
Benzene, ug/kg	5.0	< 6.0 U
Bromodichloromethane, ug/kg	5.0	< 6.0 U
Bromoform, ug/kg	5.0	< 6.0 U
Bromomethane, ug/kg	10.0	< 11.0 U
2-Butanone, ug/kg	10.0	< 11.0 UJ
Carbon disulfide, ug/kg	5.0	< 6.0 U
Carbon tetrachloride, ug/kg	5.0	< 6.0 U
Chlorobenzene, ug/kg	5.0	< 6.0 U
Chloroethane, ug/kg	10.0	< 11.0 U
Chloroform, ug/kg	5.0	< 6.0 U
Chloromethane, ug/kg	10.0	< 11.0 U
Dibromochloromethane, ug/kg	5.0	< 6.0 U
1,1-Dichloroethane, ug/kg	5.0	< 6.0 U
1,2-Dichloroethane, ug/kg	5.0	< 6.0 U
1,1-Dichloroethene, ug/kg	5.0	< 6.0 U
1,2-Dichloroethene, total, ug/kg	5.0	< 6.0 U
1,2-Dichloropropane, ug/kg	5.0	< 6.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 6.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 6.0 U
Ethylbenzene, ug/kg	5.0	< 6.0 U
2-Hexanone, ug/kg	10.0	< 11.0 U
Methylene chloride, ug/kg	5.0	5.0 A
4-Methyl-2-pentanone, ug/kg	10.0	< 11.0 U
Styrene, ug/kg	5.0	< 6.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 6.0 U
Tetrachloroethene, ug/kg	5.0	< 6.0 U
Toluene, ug/kg	5.0	< 6.0 U
1,1,1-Trichloroethane, ug/kg	5.0	< 6.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 6.0 U
Trichloroethene, ug/kg	5.0	< 6.0 U
Vinyl acetate, ug/kg	10.0	< 11.0 U
Vinyl chloride, ug/kg	10.0	< 11.0 U
Xylenes, total, ug/kg	5.0	< 6.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-5

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/kg	10.0	20.0 R
Benzene, ug/kg	5.0	< 7.0 U
Bromodichloromethane, ug/kg	5.0	< 7.0 U
Bromoform, ug/kg	5.0	< 7.0 U
Bromomethane, ug/kg	10.0	< 14.0 U
2-Butanone, ug/kg	10.0	< 14.0 UJ
Carbon disulfide, ug/kg	5.0	< 7.0 U
Carbon tetrachloride, ug/kg	5.0	< 7.0 U
Chlorobenzene, ug/kg	5.0	< 7.0 U
Chloroethane, ug/kg	10.0	< 14.0 U
Chloroform, ug/kg	5.0	< 7.0 U
Chloromethane, ug/kg	10.0	< 14.0 U
Dibromochloromethane, ug/kg	5.0	< 7.0 U
1,1-Dichloroethane, ug/kg	5.0	< 7.0 U
1,2-Dichloroethane, ug/kg	5.0	< 7.0 U
1,1-Dichloroethene, ug/kg	5.0	< 7.0 U
1,2-Dichloroethene, total, ug/kg	5.0	< 7.0 U
1,2-Dichloropropane, ug/kg	5.0	< 7.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 7.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 7.0 U
Ethylbenzene, ug/kg	5.0	< 7.0 U
2-Hexanone, ug/kg	10.0	9.0 A
Methylene chloride, ug/kg	5.0	4.0 A
4-Methyl-2-pentanone, ug/kg	10.0	2.0 A
Styrene, ug/kg	5.0	< 7.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 7.0 U
Tetrachloroethene, ug/kg	5.0	< 7.0 U
Toluene, ug/kg	5.0	< 7.0 U
1,1,1-Trichloroethane, ug/kg	5.0	< 7.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 7.0 U
Trichloroethene, ug/kg	5.0	< 7.0 U
Vinyl acetate, ug/kg	10.0	< 14.0 U
Vinyl chloride, ug/kg	10.0	< 14.0 U
Xylenes, total, ug/kg	5.0	< 7.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-6

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/kg	10.0	230.0 J
Benzene, ug/kg	5.0	< 120.0 U
Bromodichloromethane, ug/kg	5.0	< 120.0 U
Bromoform, ug/kg	5.0	< 120.0 U
Bromomethane, ug/kg	10.0	< 240.0 U
2-Butanone, ug/kg	10.0	< 240.0 U
Carbon disulfide, ug/kg	5.0	< 120.0 U
Carbon tetrachloride, ug/kg	5.0	< 120.0 U
Chlorobenzene, ug/kg	5.0	440.0 A
Chloroethane, ug/kg	10.0	< 240.0 U
Chloroform, ug/kg	5.0	< 120.0 U
Chloromethane, ug/kg	10.0	< 240.0 U
Dibromochloromethane, ug/kg	5.0	< 120.0 U
1,1-Dichloroethane, ug/kg	5.0	< 120.0 U
1,2-Dichloroethane, ug/kg	5.0	< 120.0 U
1,1-Dichloroethene, ug/kg	5.0	< 120.0 U
1,2-Dichloroethene, total, ug/kg	5.0	< 120.0 U
1,2-Dichloropropane, ug/kg	5.0	< 120.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 120.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 120.0 U
Ethylbenzene, ug/kg	5.0	< 120.0 U
2-Hexanone, ug/kg	10.0	< 240.0 U
Methylene chloride, ug/kg	5.0	< 120.0 U
4-Methyl-2-pentanone, ug/kg	10.0	< 240.0 U
Styrene, ug/kg	5.0	< 120.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 120.0 U
Tetrachloroethene, ug/kg	5.0	< 120.0 U
Toluene, ug/kg	5.0	250.0 A
1,1,1-Trichloroethane, ug/kg	5.0	< 120.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 120.0 U
Trichloroethene, ug/kg	5.0	< 120.0 U
Vinyl acetate, ug/kg	10.0	< 240.0 U
Vinyl chloride, ug/kg	10.0	< 240.0 U
Xylenes, total, ug/kg	5.0	< 120.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-7

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acetone, ug/kg	10.0	< 16.0 U
Benzene, ug/kg	5.0	< 8.0 U
Bromodichloromethane, ug/kg	5.0	< 8.0 U
Bromoform, ug/kg	5.0	< 8.0 U
Bromomethane, ug/kg	10.0	< 16.0 U
2-Butanone, ug/kg	10.0	< 16.0 U
Carbon disulfide, ug/kg	5.0	< 8.0 U
Carbon tetrachloride, ug/kg	5.0	< 8.0 U
Chlorobenzene, ug/kg	5.0	< 8.0 U
Chloroethane, ug/kg	10.0	< 16.0 U
Chloroform, ug/kg	5.0	< 8.0 U
Chloromethane, ug/kg	10.0	< 16.0 U
Dibromochloromethane, ug/kg	5.0	< 8.0 U
1,1-Dichloroethane, ug/kg	5.0	< 8.0 U
1,2-Dichloroethane, ug/kg	5.0	< 8.0 U
1,1-Dichloroethene, ug/kg	5.0	< 8.0 U
1,2-Dichloroethene, total, ug/kg	5.0	2.0 A
1,2-Dichloropropane, ug/kg	5.0	< 8.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 8.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 8.0 U
Ethylbenzene, ug/kg	5.0	< 8.0 U
2-Hexanone, ug/kg	10.0	< 16.0 U
Methylene chloride, ug/kg	5.0	< 8.0 U
4-Methyl-2-pentanone, ug/kg	10.0	< 16.0 U
Styrene, ug/kg	5.0	< 8.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 8.0 U
Tetrachloroethene, ug/kg	5.0	< 8.0 U
Toluene, ug/kg	5.0	< 8.0 U
1,1,1-Trichloroethane, ug/kg	5.0	< 8.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 8.0 U
Trichloroethene, ug/kg	5.0	3.0 A
Vinyl acetate, ug/kg	10.0	< 16.0 U
Vinyl chloride, ug/kg	10.0	< 16.0 U
Xylenes, total, ug/kg	5.0	< 8.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-8

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Acetone, ug/kg	10.0	6.0 R	9.0 R
Benzene, ug/kg	5.0	< 6.0 U	< 6.0 U
Bromodichloromethane, ug/kg	5.0	< 6.0 U	< 6.0 U
Bromoform, ug/kg	5.0	< 6.0 U	< 6.0 U
Bromomethane, ug/kg	10.0	< 12.0 U	< 12.0 U
2-Butanone, ug/kg	10.0	< 12.0 UJ	< 12.0 U
Carbon disulfide, ug/kg	5.0	< 6.0 U	< 6.0 U
Carbon tetrachloride, ug/kg	5.0	< 6.0 U	< 6.0 U
Chlorobenzene, ug/kg	5.0	< 6.0 U	< 6.0 U
Chloroethane, ug/kg	10.0	< 12.0 U	< 12.0 U
Chloroform, ug/kg	5.0	< 6.0 U	< 6.0 U
Chloromethane, ug/kg	10.0	< 12.0 U	< 12.0 U
Dibromochloromethane, ug/kg	5.0	< 6.0 U	< 6.0 U
1,1-Dichloroethane, ug/kg	5.0	< 6.0 U	< 6.0 U
1,2-Dichloroethane, ug/kg	5.0	< 6.0 U	< 6.0 U
1,1-Dichloroethene, ug/kg	5.0	< 6.0 U	< 6.0 U
1,2-Dichloroethene, total, ug/kg	5.0	< 6.0 U	< 6.0 U
1,2-Dichloropropane, ug/kg	5.0	< 6.0 U	< 6.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 6.0 U	< 6.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 6.0 U	< 6.0 U
Ethylbenzene, ug/kg	5.0	< 6.0 U	< 6.0 U
2-Hexanone, ug/kg	10.0	< 12.0 U	< 12.0 U
Methylene chloride, ug/kg	5.0	7.0 J	7.0 J
4-Methyl-2-pentanone, ug/kg	10.0	< 12.0 U	< 12.0 U
Styrene, ug/kg	5.0	< 6.0 U	< 6.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 6.0 U	< 6.0 U
Tetrachloroethene, ug/kg	5.0	< 6.0 U	< 6.0 U
Toluene, ug/kg	5.0	< 6.0 U	< 6.0 U
1,1,1-Trichloroethane, ug/kg	5.0	< 6.0 U	< 6.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 6.0 U	< 6.0 U
Trichloroethene, ug/kg	5.0	< 6.0 U	< 6.0 U
Vinyl acetate, ug/kg	10.0	< 12.0 U	< 12.0 U
Vinyl chloride, ug/kg	10.0	< 12.0 U	< 12.0 U
Xylenes, total, ug/kg	5.0	< 6.0 U	< 6.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-9

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acetone, ug/kg	10.0	< 260.0 UJ
Benzene, ug/kg	5.0	2100.0 J
Bromodichloromethane, ug/kg	5.0	< 130.0 UJ
Bromoform, ug/kg	5.0	< 130.0 UJ
Bromomethane, ug/kg	10.0	< 260.0 UJ
2-Butanone, ug/kg	10.0	< 260.0 UJ
Carbon disulfide, ug/kg	5.0	< 130.0 UJ
Carbon tetrachloride, ug/kg	5.0	< 130.0 UJ
Chlorobenzene, ug/kg	5.0	< 130.0 UJ
Chloroethane, ug/kg	10.0	< 260.0 UJ
Chloroform, ug/kg	5.0	< 130.0 UJ
Chloromethane, ug/kg	10.0	< 260.0 UJ
Dibromochloromethane, ug/kg	5.0	< 130.0 UJ
1,1-Dichloroethane, ug/kg	5.0	< 130.0 UJ
1,2-Dichloroethane, ug/kg	5.0	28.0 J
1,1-Dichloroethene, ug/kg	5.0	< 130.0 UJ
1,2-Dichloroethene, total, ug/kg	5.0	< 130.0 UJ
1,2-Dichloropropane, ug/kg	5.0	< 130.0 UJ
cis-1,3-Dichloropropene, ug/kg	5.0	< 130.0 UJ
trans-1,3-Dichloropropene, ug/kg	5.0	< 130.0 UJ
Ethylbenzene, ug/kg	5.0	40.0 J
2-Hexanone, ug/kg	10.0	< 260.0 UJ
Methylene chloride, ug/kg	5.0	46.0 R
4-Methyl-2-pentanone, ug/kg	10.0	< 260.0 UJ
Styrene, ug/kg	5.0	< 130.0 UJ
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 130.0 UJ
Tetrachloroethene, ug/kg	5.0	< 130.0 UJ
Toluene, ug/kg	5.0	< 130.0 UJ
1,1,1-Trichloroethane, ug/kg	5.0	< 130.0 UJ
1,1,2-Trichloroethane, ug/kg	5.0	< 130.0 UJ
Trichloroethene, ug/kg	5.0	< 130.0 UJ
Vinyl acetate, ug/kg	10.0	< 260.0 UJ
Vinyl chloride, ug/kg	10.0	< 260.0 UJ
Xylenes, total, ug/kg	5.0	150.0 J

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-10

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acetone, ug/kg	10.0	< 14.0 UJ
Benzene, ug/kg	5.0	< 7.0 UJ
Bromodichloromethane, ug/kg	5.0	< 7.0 UJ
Bromoform, ug/kg	5.0	< 7.0 UJ
Bromomethane, ug/kg	10.0	< 14.0 UJ
2-Butanone, ug/kg	10.0	< 14.0 UJ
Carbon disulfide, ug/kg	5.0	< 7.0 UJ
Carbon tetrachloride, ug/kg	5.0	< 7.0 UJ
Chlorobenzene, ug/kg	5.0	< 7.0 UJ
Chloroethane, ug/kg	10.0	< 14.0 UJ
Chloroform, ug/kg	5.0	< 7.0 UJ
Chloromethane, ug/kg	10.0	< 14.0 UJ
Dibromochloromethane, ug/kg	5.0	< 7.0 UJ
1,1-Dichloroethane, ug/kg	5.0	< 7.0 UJ
1,2-Dichloroethane, ug/kg	5.0	< 7.0 UJ
1,1-Dichloroethene, ug/kg	5.0	< 7.0 UJ
1,2-Dichloroethene, total, ug/kg	5.0	< 7.0 UJ
1,2-Dichloropropane, ug/kg	5.0	< 7.0 UJ
cis-1,3-Dichloropropene, ug/kg	5.0	< 7.0 UJ
trans-1,3-Dichloropropene, ug/kg	5.0	< 7.0 UJ
Ethylbenzene, ug/kg	5.0	< 7.0 UJ
2-Hexanone, ug/kg	10.0	< 14.0 UJ
Methylene chloride, ug/kg	5.0	3.0 J
4-Methyl-2-pentanone, ug/kg	10.0	< 14.0 UJ
Styrene, ug/kg	5.0	< 7.0 UJ
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 7.0 UJ
Tetrachloroethene, ug/kg	5.0	2.0 J
Toluene, ug/kg	5.0	< 7.0 UJ
1,1,1-Trichloroethane, ug/kg	5.0	< 7.0 UJ
1,1,2-Trichloroethane, ug/kg	5.0	< 7.0 UJ
Trichloroethene, ug/kg	5.0	< 7.0 UJ
Vinyl acetate, ug/kg	10.0	< 14.0 UJ
Vinyl chloride, ug/kg	10.0	< 14.0 UJ
Xylenes, total, ug/kg	5.0	< 7.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-11

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	07/31/90
Acetone, ug/kg	10.0	470.0 A
Benzene, ug/kg	5.0	160.0 A
Bromodichloromethane, ug/kg	5.0	< 30.0 U
Bromoform, ug/kg	5.0	< 30.0 U
Bromomethane, ug/kg	10.0	< 60.0 U
2-Butanone, ug/kg	10.0	47.0 A
Carbon disulfide, ug/kg	5.0	< 30.0 U
Carbon tetrachloride, ug/kg	5.0	< 30.0 U
Chlorobenzene, ug/kg	5.0	< 30.0 U
Chloroethane, ug/kg	10.0	< 60.0 U
Chloroform, ug/kg	5.0	< 30.0 U
Chloromethane, ug/kg	10.0	< 60.0 UJ
Dibromochloromethane, ug/kg	5.0	< 30.0 U
1,1-Dichloroethane, ug/kg	5.0	< 30.0 U
1,2-Dichloroethane, ug/kg	5.0	< 30.0 U
1,1-Dichloroethene, ug/kg	5.0	< 30.0 U
1,2-Dichloroethene, total, ug/kg	5.0	< 30.0 U
1,2-Dichloropropane, ug/kg	5.0	< 30.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 30.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 30.0 U
Ethylbenzene, ug/kg	5.0	< 30.0 U
2-Hexanone, ug/kg	10.0	< 60.0 U
Methylene chloride, ug/kg	5.0	< 30.0 U
4-Methyl-2-pentanone, ug/kg	10.0	< 60.0 U
Styrene, ug/kg	5.0	< 30.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 30.0 U
Tetrachloroethene, ug/kg	5.0	< 30.0 U
Toluene, ug/kg	5.0	< 30.0 U
1,1,1-Trichloroethane, ug/kg	5.0	< 30.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 30.0 U
Trichloroethene, ug/kg	5.0	< 30.0 U
Vinyl acetate, ug/kg	10.0	< 60.0 U
Vinyl chloride, ug/kg	10.0	< 60.0 U
Xylenes, total, ug/kg	5.0	< 30.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-12

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/kg	10.0	4.0 R
Benzene, ug/kg	5.0	< 6.0 U
Bromodichloromethane, ug/kg	5.0	< 6.0 U
Bromoform, ug/kg	5.0	< 6.0 U
Bromomethane, ug/kg	10.0	< 13.0 U
2-Butanone, ug/kg	10.0	< 13.0 UJ
Carbon disulfide, ug/kg	5.0	< 6.0 U
Carbon tetrachloride, ug/kg	5.0	< 6.0 U
Chlorobenzene, ug/kg	5.0	< 6.0 U
Chloroethane, ug/kg	10.0	< 13.0 U
Chloroform, ug/kg	5.0	< 6.0 U
Chloromethane, ug/kg	10.0	< 13.0 U
Dibromochloromethane, ug/kg	5.0	< 6.0 U
1,1-Dichloroethane, ug/kg	5.0	< 6.0 U
1,2-Dichloroethane, ug/kg	5.0	< 6.0 U
1,1-Dichloroethene, ug/kg	5.0	< 6.0 U
1,2-Dichloroethene, total, ug/kg	5.0	< 6.0 U
1,2-Dichloropropane, ug/kg	5.0	< 6.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 6.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 6.0 U
Ethylbenzene, ug/kg	5.0	< 6.0 U
2-Hexanone, ug/kg	10.0	< 13.0 U
Methylene chloride, ug/kg	5.0	4.0 A
4-Methyl-2-pentanone, ug/kg	10.0	< 13.0 U
Styrene, ug/kg	5.0	< 6.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 6.0 U
Tetrachloroethene, ug/kg	5.0	3.0 A
Toluene, ug/kg	5.0	< 6.0 U
1,1,1-Trichloroethane, ug/kg	5.0	< 6.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 6.0 U
Trichloroethene, ug/kg	5.0	2.0 A
Vinyl acetate, ug/kg	10.0	< 13.0 U
Vinyl chloride, ug/kg	10.0	< 13.0 U
Xylenes, total, ug/kg	5.0	< 6.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-13

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	07/31/90
Acetone, ug/kg	10.0	400.0 J
Benzene, ug/kg	5.0	200.0 J
Bromodichloromethane, ug/kg	5.0	< 27.0 UJ
Bromoform, ug/kg	5.0	< 27.0 UJ
Bromomethane, ug/kg	10.0	< 54.0 UJ
2-Butanone, ug/kg	10.0	71.0 J
Carbon disulfide, ug/kg	5.0	< 27.0 UJ
Carbon tetrachloride, ug/kg	5.0	< 27.0 UJ
Chlorobenzene, ug/kg	5.0	< 27.0 UJ
Chloroethane, ug/kg	10.0	< 54.0 UJ
Chloroform, ug/kg	5.0	< 27.0 UJ
Chloromethane, ug/kg	10.0	< 54.0 UJ
Dibromochloromethane, ug/kg	5.0	< 27.0 UJ
1,1-Dichloroethane, ug/kg	5.0	< 27.0 UJ
1,2-Dichloroethane, ug/kg	5.0	< 27.0 UJ
1,1-Dichloroethene, ug/kg	5.0	< 27.0 UJ
1,2-Dichloroethene, total, ug/kg	5.0	< 27.0 UJ
1,2-Dichloropropane, ug/kg	5.0	< 27.0 UJ
cis-1,3-Dichloropropene, ug/kg	5.0	< 27.0 UJ
trans-1,3-Dichloropropene, ug/kg	5.0	< 27.0 UJ
Ethylbenzene, ug/kg	5.0	9.0 J
2-Hexanone, ug/kg	10.0	< 54.0 UJ
Methylene chloride, ug/kg	5.0	39.0 J
4-Methyl-2-pentanone, ug/kg	10.0	< 54.0 UJ
Styrene, ug/kg	5.0	< 27.0 UJ
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 27.0 UJ
Tetrachloroethene, ug/kg	5.0	< 27.0 UJ
Toluene, ug/kg	5.0	< 27.0 UJ
1,1,1-Trichloroethane, ug/kg	5.0	< 27.0 UJ
1,1,2-Trichloroethane, ug/kg	5.0	< 27.0 UJ
Trichloroethene, ug/kg	5.0	< 27.0 UJ
Vinyl acetate, ug/kg	10.0	< 54.0 UJ
Vinyl chloride, ug/kg	10.0	< 54.0 UJ
Xylenes, total, ug/kg	5.0	< 27.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-14

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	07/31/90
Acetone, ug/kg	10.0	< 13.0 UJ
Benzene, ug/kg	5.0	< 6.0 UJ
Bromodichloromethane, ug/kg	5.0	< 6.0 UJ
Bromoform, ug/kg	5.0	< 6.0 UJ
Bromomethane, ug/kg	10.0	< 13.0 UJ
2-Butanone, ug/kg	10.0	< 13.0 UJ
Carbon disulfide, ug/kg	5.0	< 6.0 UJ
Carbon tetrachloride, ug/kg	5.0	< 6.0 UJ
Chlorobenzene, ug/kg	5.0	< 6.0 UJ
Chloroethane, ug/kg	10.0	< 13.0 UJ
Chloroform, ug/kg	5.0	< 6.0 UJ
Chloromethane, ug/kg	10.0	< 13.0 UJ
Dibromochloromethane, ug/kg	5.0	< 6.0 UJ
1,1-Dichloroethane, ug/kg	5.0	< 6.0 UJ
1,2-Dichloroethane, ug/kg	5.0	< 6.0 UJ
1,1-Dichloroethene, ug/kg	5.0	< 6.0 UJ
1,2-Dichloroethene, total, ug/kg	5.0	< 6.0 UJ
1,2-Dichloropropane, ug/kg	5.0	< 6.0 UJ
cis-1,3-Dichloropropene, ug/kg	5.0	< 6.0 UJ
trans-1,3-Dichloropropene, ug/kg	5.0	< 6.0 UJ
Ethylbenzene, ug/kg	5.0	< 6.0 UJ
2-Hexanone, ug/kg	10.0	< 13.0 UJ
Methylene chloride, ug/kg	5.0	2.0 J
4-Methyl-2-pentanone, ug/kg	10.0	< 13.0 UJ
Styrene, ug/kg	5.0	< 6.0 UJ
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 6.0 UJ
Tetrachloroethene, ug/kg	5.0	< 6.0 UJ
Toluene, ug/kg	5.0	< 6.0 UJ
1,1,1-Trichloroethane, ug/kg	5.0	< 6.0 UJ
1,1,2-Trichloroethane, ug/kg	5.0	< 6.0 UJ
Trichloroethene, ug/kg	5.0	< 6.0 UJ
Vinyl acetate, ug/kg	10.0	< 13.0 UJ
Vinyl chloride, ug/kg	10.0	< 13.0 UJ
Xylenes, total, ug/kg	5.0	< 6.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-15

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acetone, ug/kg	10.0	< 14.0 UJ
Benzene, ug/kg	5.0	< 7.0 UJ
Bromodichloromethane, ug/kg	5.0	< 7.0 UJ
Bromoform, ug/kg	5.0	< 7.0 UJ
Bromomethane, ug/kg	10.0	< 14.0 UJ
2-Butanone, ug/kg	10.0	< 14.0 UJ
Carbon disulfide, ug/kg	5.0	< 7.0 UJ
Carbon tetrachloride, ug/kg	5.0	< 7.0 UJ
Chlorobenzene, ug/kg	5.0	< 7.0 UJ
Chloroethane, ug/kg	10.0	< 14.0 UJ
Chloroform, ug/kg	5.0	< 7.0 UJ
Chloromethane, ug/kg	10.0	< 14.0 UJ
Dibromochloromethane, ug/kg	5.0	< 7.0 UJ
1,1-Dichloroethane, ug/kg	5.0	< 7.0 UJ
1,2-Dichloroethane, ug/kg	5.0	< 7.0 UJ
1,1-Dichloroethene, ug/kg	5.0	< 7.0 UJ
1,2-Dichloroethene, total, ug/kg	5.0	< 7.0 UJ
1,2-Dichloropropane, ug/kg	5.0	< 7.0 UJ
cis-1,3-Dichloropropene, ug/kg	5.0	< 7.0 UJ
trans-1,3-Dichloropropene, ug/kg	5.0	< 7.0 UJ
Ethylbenzene, ug/kg	5.0	< 7.0 UJ
2-Hexanone, ug/kg	10.0	< 14.0 UJ
Methylene chloride, ug/kg	5.0	6.0 J
4-Methyl-2-pentanone, ug/kg	10.0	< 14.0 UJ
Styrene, ug/kg	5.0	< 7.0 UJ
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 7.0 UJ
Tetrachloroethene, ug/kg	5.0	11.0 J
Toluene, ug/kg	5.0	< 7.0 UJ
1,1,1-Trichloroethane, ug/kg	5.0	< 7.0 UJ
1,1,2-Trichloroethane, ug/kg	5.0	< 7.0 UJ
Trichloroethene, ug/kg	5.0	3.0 J
Vinyl acetate, ug/kg	10.0	< 14.0 UJ
Vinyl chloride, ug/kg	10.0	< 14.0 UJ
Xylenes, total, ug/kg	5.0	< 7.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-16

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/kg	10.0	170.0 J
Benzene, ug/kg	5.0	< 13.0 U
Bromodichloromethane, ug/kg	5.0	< 13.0 U
Bromoform, ug/kg	5.0	< 13.0 U
Bromomethane, ug/kg	10.0	< 26.0 U
2-Butanone, ug/kg	10.0	< 26.0 U
Carbon disulfide, ug/kg	5.0	< 13.0 U
Carbon tetrachloride, ug/kg	5.0	< 13.0 U
Chlorobenzene, ug/kg	5.0	< 13.0 U
Chloroethane, ug/kg	10.0	< 26.0 U
Chloroform, ug/kg	5.0	< 13.0 U
Chloromethane, ug/kg	10.0	< 26.0 U
Dibromochloromethane, ug/kg	5.0	< 13.0 U
1,1-Dichloroethane, ug/kg	5.0	< 13.0 U
1,2-Dichloroethane, ug/kg	5.0	< 13.0 U
1,1-Dichloroethene, ug/kg	5.0	< 13.0 U
1,2-Dichloroethene, total, ug/kg	5.0	< 13.0 U
1,2-Dichloropropane, ug/kg	5.0	< 13.0 U
cis-1,3-Dichloropropene, ug/kg	5.0	< 13.0 U
trans-1,3-Dichloropropene, ug/kg	5.0	< 13.0 U
Ethylbenzene, ug/kg	5.0	< 13.0 U
2-Hexanone, ug/kg	10.0	< 26.0 U
Methylene chloride, ug/kg	5.0	< 13.0 U
4-Methyl-2-pentanone, ug/kg	10.0	< 26.0 U
Styrene, ug/kg	5.0	< 13.0 U
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 13.0 U
Tetrachloroethene, ug/kg	5.0	< 13.0 U
Toluene, ug/kg	5.0	< 13.0 U
1,1,1-Trichloroethane, ug/kg	5.0	< 13.0 U
1,1,2-Trichloroethane, ug/kg	5.0	< 13.0 U
Trichloroethene, ug/kg	5.0	< 13.0 U
Vinyl acetate, ug/kg	10.0	< 26.0 U
Vinyl chloride, ug/kg	10.0	< 26.0 U
Xylenes, total, ug/kg	5.0	< 13.0 U

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-17

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acetone, ug/kg	10.0	22.0 J
Benzene, ug/kg	5.0	< 6.0 UJ
Bromodichloromethane, ug/kg	5.0	< 6.0 UJ
Bromoform, ug/kg	5.0	< 6.0 UJ
Bromomethane, ug/kg	10.0	< 12.0 UJ
2-Butanone, ug/kg	10.0	< 12.0 UJ
Carbon disulfide, ug/kg	5.0	< 6.0 UJ
Carbon tetrachloride, ug/kg	5.0	< 6.0 UJ
Chlorobenzene, ug/kg	5.0	< 6.0 UJ
Chloroethane, ug/kg	10.0	< 12.0 UJ
Chloroform, ug/kg	5.0	< 6.0 UJ
Chloromethane, ug/kg	10.0	< 12.0 UJ
Dibromochloromethane, ug/kg	5.0	< 6.0 UJ
1,1-Dichloroethane, ug/kg	5.0	< 6.0 UJ
1,2-Dichloroethane, ug/kg	5.0	< 6.0 UJ
1,1-Dichloroethene, ug/kg	5.0	< 6.0 UJ
1,2-Dichloroethene, total, ug/kg	5.0	< 6.0 UJ
1,2-Dichloropropane, ug/kg	5.0	< 6.0 UJ
cis-1,3-Dichloropropene, ug/kg	5.0	< 6.0 UJ
trans-1,3-Dichloropropene, ug/kg	5.0	< 6.0 UJ
Ethylbenzene, ug/kg	5.0	< 6.0 UJ
2-Hexanone, ug/kg	10.0	< 12.0 UJ
Methylene chloride, ug/kg	5.0	4.0 J
4-Methyl-2-pentanone, ug/kg	10.0	< 12.0 UJ
Styrene, ug/kg	5.0	< 6.0 UJ
1,1,2,2-Tetrachloroethane, ug/kg	5.0	< 6.0 UJ
Tetrachloroethene, ug/kg	5.0	< 6.0 UJ
Toluene, ug/kg	5.0	< 6.0 UJ
1,1,1-Trichloroethane, ug/kg	5.0	< 6.0 UJ
1,1,2-Trichloroethane, ug/kg	5.0	< 6.0 UJ
Trichloroethene, ug/kg	5.0	< 6.0 UJ
Vinyl acetate, ug/kg	10.0	< 12.0 UJ
Vinyl chloride, ug/kg	10.0	< 12.0 UJ
Xylenes, total, ug/kg	5.0	< 6.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Split Spoon Soil Sample: CORE-1 Date Sampled: 03/07/90

Chemical Compound Class: Volatile Organic Compounds

Sample Interval Top:	0.5 ft	
Sample Interval Bottom:	0.9 ft	
Chemical Parameter		CRQL
Acetone, ug/kg	19.0 R	10.0
Benzene, ug/kg	< 6.0 U	5.0
Bromodichloromethane, ug/kg	< 6.0 U	5.0
Bromoform, ug/kg	< 6.0 U	5.0
Bromomethane, ug/kg	< 12.0 U	10.0
2-Butanone, ug/kg	< 12.0 UJ	10.0
Carbon disulfide, ug/kg	< 6.0 U	5.0
Carbon tetrachloride, ug/kg	< 6.0 U	5.0
Chlorobenzene, ug/kg	< 6.0 U	5.0
Chloroethane, ug/kg	< 12.0 U	10.0
Chloroform, ug/kg	< 6.0 U	5.0
Chloromethane, ug/kg	< 12.0 U	10.0
Dibromochloromethane, ug/kg	< 6.0 U	5.0
1,1-Dichloroethane, ug/kg	< 6.0 U	5.0
1,2-Dichloroethane, ug/kg	< 6.0 U	5.0
1,1-Dichloroethene, ug/kg	< 6.0 U	5.0
1,2-Dichloroethene, total, ug/kg	< 6.0 U	5.0
1,2-Dichloropropane, ug/kg	< 6.0 U	5.0
cis-1,3-Dichloropropene, ug/kg	< 6.0 U	5.0
trans-1,3-Dichloropropene, ug/kg	< 6.0 U	5.0
Ethylbenzene, ug/kg	< 6.0 U	5.0
2-Hexanone, ug/kg	< 12.0 U	10.0
Methylene chloride, ug/kg	12.0 J	5.0
4-Methyl-2-pentanone, ug/kg	< 12.0 U	10.0
Styrene, ug/kg	< 6.0 U	5.0
1,1,2,2-Tetrachloroethane, ug/kg	< 6.0 U	5.0
Tetrachloroethene, ug/kg	< 6.0 U	5.0
Toluene, ug/kg	< 6.0 U	5.0
1,1,1-Trichloroethane, ug/kg	< 6.0 U	5.0
1,1,2-Trichloroethane, ug/kg	< 6.0 U	5.0
Trichloroethene, ug/kg	< 6.0 U	5.0
Vinyl acetate, ug/kg	< 12.0 U	10.0
Vinyl chloride, ug/kg	< 12.0 U	10.0
Xylenes, total, ug/kg	< 6.0 U	5.0

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Code

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-1

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
Acenaphthene, ug/kg	10.0	< 1100.0 UJ
Acenaphthylene, ug/kg	10.0	< 1100.0 UJ
Anthracene, ug/kg	10.0	< 1100.0 UJ
Benzo (a) anthracene, ug/kg	10.0	< 1100.0 UJ
Benzo (a) pyrene, ug/kg	10.0	< 1100.0 UJ
Benzo (b) fluoranthene, ug/kg	10.0	< 1100.0 UJ
Benzo (g,h,i) perylene, ug/kg	10.0	< 1100.0 UJ
Benzoic acid, ug/kg	50.0	< 5500.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	< 1100.0 UJ
Benzyl alcohol, ug/kg	10.0	< 1100.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 1100.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 1100.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 1100.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	160.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 1100.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 1100.0 UJ
4-Chloroaniline, ug/kg	10.0	< 1100.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 1100.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 1100.0 UJ
2-Chlorophenol, ug/kg	10.0	< 1100.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 1100.0 UJ
Chrysene, ug/kg	10.0	< 1100.0 UJ
Dibenzo (a,h) anthracene, ug/kg	10.0	< 1100.0 UJ
Dibenzofuran, ug/kg	10.0	< 1100.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 1100.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 1100.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 1100.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 2300.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 1100.0 UJ
Diethylphthalate, ug/kg	10.0	< 1100.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 1100.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 1100.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 1100.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 5500.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 5500.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-1

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
2,4-Dinitrotoluene, ug/kg	10.0	< 1100.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 1100.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 1100.0 UJ
Fluoranthene, ug/kg	10.0	< 1100.0 UJ
Fluorene, ug/kg	10.0	< 1100.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 1100.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 1100.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 1100.0 UJ
Hexachloroethane, ug/kg	10.0	< 1100.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	< 1100.0 UJ
Isophorone, ug/kg	10.0	< 1100.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 1100.0 UJ
2-Methylphenol, ug/kg	10.0	< 1100.0 UJ
4-Methylphenol, ug/kg	10.0	< 1100.0 UJ
Naphthalene, ug/kg	10.0	< 1100.0 UJ
2-Nitroaniline, ug/kg	50.0	< 5500.0 UJ
3-Nitroaniline, ug/kg	50.0	< 5500.0 UJ
4-Nitroaniline, ug/kg	50.0	< 5500.0 UJ
Nitrobenzene, ug/kg	10.0	< 1100.0 UJ
2-Nitrophenol, ug/kg	10.0	< 1100.0 UJ
4-Nitrophenol, ug/kg	50.0	< 5500.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 1100.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 1100.0 UJ
Pentachlorophenol, ug/kg	50.0	< 5500.0 UJ
Phenanthrene, ug/kg	10.0	< 1100.0 UJ
Phenol, ug/kg	10.0	< 1100.0 UJ
Pyrene, ug/kg	10.0	< 1100.0 UJ
1,2,4-Trichlorobenzene, ug/kg	10.0	< 1100.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 5500.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 1100.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-2

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
Acenaphthene, ug/kg	10.0	< 830.0 UJ
Acenaphthylene, ug/kg	10.0	< 830.0 UJ
Anthracene, ug/kg	10.0	320.0 J
Benzo (a) anthracene, ug/kg	10.0	870.0 J
Benzo (a) pyrene, ug/kg	10.0	600.0 J
Benzo (b) fluoranthene, ug/kg	10.0	1000.0 J
Benzo (g,h,i) perylene, ug/kg	10.0	350.0 J
Benzoic acid, ug/kg	50.0	< 4000.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	1000.0 J
Benzyl alcohol, ug/kg	10.0	< 830.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 830.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 830.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 830.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	< 830.0 UJ
4-Bromophenyl-phenylether, ug/kg	10.0	< 830.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 830.0 UJ
4-Chloroaniline, ug/kg	10.0	< 830.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 830.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 830.0 UJ
2-Chlorophenol, ug/kg	10.0	< 830.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 830.0 UJ
Chrysene, ug/kg	10.0	880.0 J
Dibenzo (a,h) anthracene, ug/kg	10.0	< 830.0 UJ
Dibenzofuran, ug/kg	10.0	< 830.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 830.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 830.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 830.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 1700.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 830.0 UJ
Diethylphthalate, ug/kg	10.0	< 830.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 830.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 830.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 830.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 4000.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 4000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-2

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
2,4-Dinitrotoluene, ug/kg	10.0	< 830.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 830.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 830.0 UJ
Fluoranthene, ug/kg	10.0	1500.0 J
Fluorene, ug/kg	10.0	< 830.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 830.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 830.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 830.0 UJ
Hexachloroethane, ug/kg	10.0	< 830.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	410.0 J
Isophorone, ug/kg	10.0	< 830.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 830.0 UJ
2-Methylphenol, ug/kg	10.0	< 830.0 UJ
4-Methylphenol, ug/kg	10.0	< 830.0 UJ
Naphthalene, ug/kg	10.0	< 830.0 UJ
2-Nitroaniline, ug/kg	50.0	< 4000.0 UJ
3-Nitroaniline, ug/kg	50.0	< 4000.0 UJ
4-Nitroaniline, ug/kg	50.0	< 4000.0 UJ
Nitrobenzene, ug/kg	10.0	< 830.0 UJ
2-Nitrophenol, ug/kg	10.0	< 830.0 UJ
4-Nitrophenol, ug/kg	50.0	< 4000.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 830.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 830.0 UJ
Pentachlorophenol, ug/kg	50.0	< 4000.0 UJ
Phenanthrene, ug/kg	10.0	990.0 J
Phenol, ug/kg	10.0	< 830.0 UJ
Pyrene, ug/kg	10.0	1500.0 J
1,2,4-Trichlorobenzene, ug/kg	10.0	< 830.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 4000.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 830.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-3

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
Acenaphthene, ug/kg	10.0	< 4000.0 UJ
Acenaphthylene, ug/kg	10.0	< 4000.0 UJ
Anthracene, ug/kg	10.0	< 4000.0 UJ
Benzo (a) anthracene, ug/kg	10.0	< 4000.0 UJ
Benzo (a) pyrene, ug/kg	10.0	< 4000.0 UJ
Benzo (b) fluoranthene, ug/kg	10.0	< 4000.0 UJ
Benzo (g,h,i) perylene, ug/kg	10.0	< 4000.0 UJ
Benzoic acid, ug/kg	50.0	< 20000.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	< 4000.0 UJ
Benzyl alcohol, ug/kg	10.0	< 4000.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 4000.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 4000.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 4000.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	< 4000.0 UJ
4-Bromophenyl-phenylether, ug/kg	10.0	< 4000.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 4000.0 UJ
4-Chloroaniline, ug/kg	10.0	< 4000.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 4000.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 4000.0 UJ
2-Chlorophenol, ug/kg	10.0	< 4000.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 4000.0 UJ
Chrysene, ug/kg	10.0	< 4000.0 UJ
Dibenzo (a,h) anthracene, ug/kg	10.0	< 4000.0 UJ
Dibenzofuran, ug/kg	10.0	< 4000.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 4000.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 4000.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 4000.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 8000.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 4000.0 UJ
Diethylphthalate, ug/kg	10.0	< 4000.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 4000.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 4000.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 4000.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 20000.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 20000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-3

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90
2,4-Dinitrotoluene, ug/kg	10.0	< 4000.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 4000.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 4000.0 UJ
Fluoranthene, ug/kg	10.0	< 4000.0 UJ
Fluorene, ug/kg	10.0	< 4000.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 4000.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 4000.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 4000.0 UJ
Hexachloroethane, ug/kg	10.0	< 4000.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	< 4000.0 UJ
Isophorone, ug/kg	10.0	< 4000.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 4000.0 UJ
2-Methylphenol, ug/kg	10.0	< 4000.0 UJ
4-Methylphenol, ug/kg	10.0	< 4000.0 UJ
Naphthalene, ug/kg	10.0	< 4000.0 UJ
2-Nitroaniline, ug/kg	50.0	< 20000.0 UJ
3-Nitroaniline, ug/kg	50.0	< 20000.0 UJ
4-Nitroaniline, ug/kg	50.0	< 20000.0 UJ
Nitrobenzene, ug/kg	10.0	< 4000.0 UJ
2-Nitrophenol, ug/kg	10.0	< 4000.0 UJ
4-Nitrophenol, ug/kg	50.0	< 20000.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 4000.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 4000.0 UJ
Pentachlorophenol, ug/kg	50.0	< 20000.0 UJ
Phenanthrene, ug/kg	10.0	< 4000.0 UJ
Phenol, ug/kg	10.0	< 4000.0 UJ
Pyrene, ug/kg	10.0	< 4000.0 UJ
1,2,4-Trichlorobenzene, ug/kg	10.0	< 4000.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 20000.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 4000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-4

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/kg	10.0	< 440.0 UJ
Acenaphthylene, ug/kg	10.0	< 440.0 UJ
Anthracene, ug/kg	10.0	< 440.0 UJ
Benzo (a) anthracene, ug/kg	10.0	< 440.0 UJ
Benzo (a) pyrene, ug/kg	10.0	< 440.0 UJ
Benzo (b) fluoranthene, ug/kg	10.0	< 440.0 UJ
Benzo (g,h,i) perylene, ug/kg	10.0	< 440.0 UJ
Benzoic acid, ug/kg	50.0	< 2100.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	< 440.0 UJ
Benzyl alcohol, ug/kg	10.0	< 440.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 440.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 440.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 440.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	< 440.0 UJ
4-Bromophenyl-phenylether, ug/kg	10.0	< 440.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 440.0 UJ
4-Chloroaniline, ug/kg	10.0	< 440.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 440.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 440.0 UJ
2-Chlorophenol, ug/kg	10.0	< 440.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 440.0 UJ
Chrysene, ug/kg	10.0	< 440.0 UJ
Dibenzo (a,h) anthracene, ug/kg	10.0	< 440.0 UJ
Dibenzofuran, ug/kg	10.0	< 440.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 440.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 440.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 440.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 870.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 440.0 UJ
Diethylphthalate, ug/kg	10.0	< 440.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 440.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 440.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 440.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 2100.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 2100.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-4

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/kg	10.0	< 440.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 440.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 440.0 UJ
Fluoranthene, ug/kg	10.0	< 440.0 UJ
Fluorene, ug/kg	10.0	< 440.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 440.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 440.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 440.0 UJ
Hexachloroethane, ug/kg	10.0	< 440.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	< 440.0 UJ
Isophorone, ug/kg	10.0	< 440.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 440.0 UJ
2-Methylphenol, ug/kg	10.0	< 440.0 UJ
4-Methylphenol, ug/kg	10.0	< 440.0 UJ
Naphthalene, ug/kg	10.0	< 440.0 UJ
2-Nitroaniline, ug/kg	50.0	< 2100.0 UJ
3-Nitroaniline, ug/kg	50.0	< 2100.0 UJ
4-Nitroaniline, ug/kg	50.0	< 2100.0 UJ
Nitrobenzene, ug/kg	10.0	< 440.0 UJ
2-Nitrophenol, ug/kg	10.0	< 440.0 UJ
4-Nitrophenol, ug/kg	50.0	< 2100.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 440.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 440.0 UJ
Pentachlorophenol, ug/kg	50.0	< 2100.0 UJ
Phenanthrene, ug/kg	10.0	< 440.0 UJ
Phenol, ug/kg	10.0	< 440.0 UJ
Pyrene, ug/kg	10.0	< 440.0 UJ
1,2,4-Trichlorobenzene, ug/kg	10.0	< 440.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 2100.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 440.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-5

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/kg	10.0	< 930.0 UJ
Acenaphthylene, ug/kg	10.0	< 930.0 UJ
Anthracene, ug/kg	10.0	200.0 J
Benzo (a) anthracene, ug/kg	10.0	770.0 J
Benzo (a) pyrene, ug/kg	10.0	770.0 J
Benzo (b) fluoranthene, ug/kg	10.0	1900.0 J
Benzo (g,h,i) perylene, ug/kg	10.0	310.0 J
Benzoic acid, ug/kg	50.0	< 4500.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	1900.0 J
Benzyl alcohol, ug/kg	10.0	< 930.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 930.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 930.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 930.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	320.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 930.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 930.0 UJ
4-Chloroaniline, ug/kg	10.0	< 930.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 930.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 930.0 UJ
2-Chlorophenol, ug/kg	10.0	< 930.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 930.0 UJ
Chrysene, ug/kg	10.0	1100.0 J
Dibenzo (a,h) anthracene, ug/kg	10.0	< 930.0 UJ
Dibenzofuran, ug/kg	10.0	< 930.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 930.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 930.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 930.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 1900.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 930.0 UJ
Diethylphthalate, ug/kg	10.0	< 930.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 930.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 930.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 930.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 4500.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 4500.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-5

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/kg	10.0	< 930.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 930.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 930.0 UJ
Fluoranthene, ug/kg	10.0	1600.0 J
Fluorene, ug/kg	10.0	< 930.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 930.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 930.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 930.0 UJ
Hexachloroethane, ug/kg	10.0	< 930.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	330.0 J
Isophorone, ug/kg	10.0	< 930.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 930.0 UJ
2-Methylphenol, ug/kg	10.0	< 930.0 UJ
4-Methylphenol, ug/kg	10.0	< 930.0 UJ
Naphthalene, ug/kg	10.0	< 930.0 UJ
2-Nitroaniline, ug/kg	50.0	< 4500.0 UJ
3-Nitroaniline, ug/kg	50.0	< 4500.0 UJ
4-Nitroaniline, ug/kg	50.0	< 4500.0 UJ
Nitrobenzene, ug/kg	10.0	< 930.0 UJ
2-Nitrophenol, ug/kg	10.0	< 930.0 UJ
4-Nitrophenol, ug/kg	50.0	< 4500.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 930.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 930.0 UJ
Pentachlorophenol, ug/kg	50.0	< 4500.0 UJ
Phenanthrene, ug/kg	10.0	910.0 J
Phenol, ug/kg	10.0	< 930.0 UJ
Pyrene, ug/kg	10.0	1500.0 J
1,2,4-Trichlorobenzene, ug/kg	10.0	< 930.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 4500.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 930.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-6

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/kg	10.0	< 4300.0 UJ
Acenaphthylene, ug/kg	10.0	< 4300.0 UJ
Anthracene, ug/kg	10.0	< 4300.0 UJ
Benzo (a) anthracene, ug/kg	10.0	< 4300.0 UJ
Benzo (a) pyrene, ug/kg	10.0	< 4300.0 UJ
Benzo (b) fluoranthene, ug/kg	10.0	< 4300.0 UJ
Benzo (g,h,i) perylene, ug/kg	10.0	< 4300.0 UJ
Benzoic acid, ug/kg	50.0	< 21000.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	< 4300.0 UJ
Benzyl alcohol, ug/kg	10.0	< 4300.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 4300.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 4300.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 4300.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	7900.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 4300.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 4300.0 UJ
4-Chloroaniline, ug/kg	10.0	< 4300.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 4300.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 4300.0 UJ
2-Chlorophenol, ug/kg	10.0	< 4300.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 4300.0 UJ
Chrysene, ug/kg	10.0	< 4300.0 UJ
Dibenzo (a,h) anthracene, ug/kg	10.0	< 4300.0 UJ
Dibenzofuran, ug/kg	10.0	< 4300.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 4300.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 4300.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 4300.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 8500.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 4300.0 UJ
Diethylphthalate, ug/kg	10.0	< 4300.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 4300.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 4300.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 4300.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 21000.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 21000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-6

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/kg	10.0	< 4300.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 4300.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 4300.0 UJ
Fluoranthene, ug/kg	10.0	1200.0 J
Fluorene, ug/kg	10.0	< 4300.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 4300.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 4300.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 4300.0 UJ
Hexachloroethane, ug/kg	10.0	< 4300.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	< 4300.0 UJ
Isophorone, ug/kg	10.0	< 4300.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 4300.0 UJ
2-Methylphenol, ug/kg	10.0	< 4300.0 UJ
4-Methylphenol, ug/kg	10.0	< 4300.0 UJ
Naphthalene, ug/kg	10.0	< 4300.0 UJ
2-Nitroaniline, ug/kg	50.0	< 21000.0 UJ
3-Nitroaniline, ug/kg	50.0	< 21000.0 UJ
4-Nitroaniline, ug/kg	50.0	< 21000.0 UJ
Nitrobenzene, ug/kg	10.0	< 4300.0 UJ
2-Nitrophenol, ug/kg	10.0	< 4300.0 UJ
4-Nitrophenol, ug/kg	50.0	< 21000.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 4300.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 4300.0 UJ
Pentachlorophenol, ug/kg	50.0	< 21000.0 UJ
Phenanthrene, ug/kg	10.0	1000.0 J
Phenol, ug/kg	10.0	< 4300.0 UJ
Pyrene, ug/kg	10.0	1200.0 J
1,2,4-Trichlorobenzene, ug/kg	10.0	< 4300.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 21000.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 4300.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-7

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acenaphthene, ug/kg	10.0	< 16000.0 UJ
Acenaphthylene, ug/kg	10.0	< 16000.0 UJ
Anthracene, ug/kg	10.0	< 16000.0 UJ
Benzo (a) anthracene, ug/kg	10.0	< 16000.0 UJ
Benzo (a) pyrene, ug/kg	10.0	< 16000.0 UJ
Benzo (b) fluoranthene, ug/kg	10.0	< 16000.0 UJ
Benzo (g,h,i) perylene, ug/kg	10.0	< 16000.0 UJ
Benzoic acid, ug/kg	50.0	< 75000.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	< 16000.0 UJ
Benzyl alcohol, ug/kg	10.0	< 16000.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 16000.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 16000.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 16000.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	94000.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 16000.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 16000.0 UJ
4-Chloroaniline, ug/kg	10.0	< 16000.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 16000.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 16000.0 UJ
2-Chlorophenol, ug/kg	10.0	< 16000.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 16000.0 UJ
Chrysene, ug/kg	10.0	< 16000.0 UJ
Dibenzo (a,h) anthracene, ug/kg	10.0	< 16000.0 UJ
Dibenzofuran, ug/kg	10.0	< 16000.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 16000.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 16000.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 16000.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 31000.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 16000.0 UJ
Diethylphthalate, ug/kg	10.0	< 16000.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 16000.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 16000.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 16000.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 75000.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 75000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-7

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene, ug/kg	10.0	< 16000.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 16000.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 16000.0 UJ
Fluoranthene, ug/kg	10.0	< 16000.0 UJ
Fluorene, ug/kg	10.0	< 16000.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 16000.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 16000.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 16000.0 UJ
Hexachloroethane, ug/kg	10.0	< 16000.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	< 16000.0 UJ
Isophorone, ug/kg	10.0	< 16000.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 16000.0 UJ
2-Methylphenol, ug/kg	10.0	< 16000.0 UJ
4-Methylphenol, ug/kg	10.0	< 16000.0 UJ
Naphthalene, ug/kg	10.0	< 16000.0 UJ
2-Nitroaniline, ug/kg	50.0	< 75000.0 UJ
3-Nitroaniline, ug/kg	50.0	< 75000.0 UJ
4-Nitroaniline, ug/kg	50.0	< 75000.0 UJ
Nitrobenzene, ug/kg	10.0	< 16000.0 UJ
2-Nitrophenol, ug/kg	10.0	< 16000.0 UJ
4-Nitrophenol, ug/kg	50.0	< 75000.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 16000.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 16000.0 UJ
Pentachlorophenol, ug/kg	50.0	< 75000.0 UJ
Phenanthrene, ug/kg	10.0	< 16000.0 UJ
Phenol, ug/kg	10.0	< 16000.0 UJ
Pyrene, ug/kg	10.0	< 16000.0 UJ
1,2,4-Trichlorobenzene, ug/kg	10.0	< 16000.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 75000.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 16000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-8

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Acenaphthene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Acenaphthylene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Anthracene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Benzo (a) anthracene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Benzo (a) pyrene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Benzo (b) fluoranthene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Benzo (g,h,i) perylene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Benzoic acid, ug/kg	50.0	< 19000.0 UJ	< 4300.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Benzyl alcohol, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
4-Bromophenyl-phenylether, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
4-Chloroaniline, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
2-Chlorophenol, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Chrysene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Dibenzo (a,h) anthracene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Dibenzofuran, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 7900.0 UJ	< 1800.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Diethylphthalate, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 19000.0 UJ	< 4300.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-8

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
2,4-Dinitrophenol, ug/kg	50.0	< 19000.0 UJ	< 4300.0 UJ
2,4-Dinitrotoluene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Fluoranthene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Fluorene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Hexachloroethane, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Isophorone, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
2-Methylphenol, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
4-Methylphenol, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Naphthalene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
2-Nitroaniline, ug/kg	50.0	< 19000.0 UJ	< 4300.0 UJ
3-Nitroaniline, ug/kg	50.0	< 19000.0 UJ	< 4300.0 UJ
4-Nitroaniline, ug/kg	50.0	< 19000.0 UJ	< 4300.0 UJ
Nitrobenzene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
2-Nitrophenol, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
4-Nitrophenol, ug/kg	50.0	< 19000.0 UJ	< 4300.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Pentachlorophenol, ug/kg	50.0	< 19000.0 UJ	< 4300.0 UJ
Phenanthrene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Phenol, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
Pyrene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
1,2,4-Trichlorobenzene, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 19000.0 UJ	< 4300.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 4000.0 UJ	< 890.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-9

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acenaphthene, ug/kg	10.0	< 1800000.0 UJ
Acenaphthylene, ug/kg	10.0	< 1800000.0 UJ
Anthracene, ug/kg	10.0	< 1800000.0 UJ
Benzo (a) anthracene, ug/kg	10.0	< 1800000.0 UJ
Benzo (a) pyrene, ug/kg	10.0	< 1800000.0 UJ
Benzo (b) fluoranthene, ug/kg	10.0	< 1800000.0 UJ
Benzo (g,h,i) perylene, ug/kg	10.0	< 1800000.0 UJ
Benzoic acid, ug/kg	50.0	< 8900000.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	< 1800000.0 UJ
Benzyl alcohol, ug/kg	10.0	< 1800000.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 1800000.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 1800000.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 1800000.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	< 1800000.0 UJ
4-Bromophenyl-phenylether, ug/kg	10.0	< 1800000.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 1800000.0 UJ
4-Chloroaniline, ug/kg	10.0	< 1800000.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 1800000.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 1800000.0 UJ
2-Chlorophenol, ug/kg	10.0	< 1800000.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 1800000.0 UJ
Chrysene, ug/kg	10.0	< 1800000.0 UJ
Dibenzo (a,h) anthracene, ug/kg	10.0	< 1800000.0 UJ
Dibenzofuran, ug/kg	10.0	< 1800000.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 1800000.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 1800000.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 1800000.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 3700000.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 1800000.0 UJ
Diethylphthalate, ug/kg	10.0	< 1800000.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 1800000.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 1800000.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 1800000.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 8900000.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 8900000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-9

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene, ug/kg	10.0	< 1800000.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 1800000.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 1800000.0 UJ
Fluoranthene, ug/kg	10.0	< 1800000.0 UJ
Fluorene, ug/kg	10.0	< 1800000.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 1800000.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 1800000.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 1800000.0 UJ
Hexachloroethane, ug/kg	10.0	< 1800000.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	< 1800000.0 UJ
Isophorone, ug/kg	10.0	< 1800000.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 1800000.0 UJ
2-Methylphenol, ug/kg	10.0	< 1800000.0 UJ
4-Methylphenol, ug/kg	10.0	< 1800000.0 UJ
Naphthalene, ug/kg	10.0	< 1800000.0 UJ
2-Nitroaniline, ug/kg	50.0	< 8900000.0 UJ
3-Nitroaniline, ug/kg	50.0	< 8900000.0 UJ
4-Nitroaniline, ug/kg	50.0	< 8900000.0 UJ
Nitrobenzene, ug/kg	10.0	< 1800000.0 UJ
2-Nitrophenol, ug/kg	10.0	< 1800000.0 UJ
4-Nitrophenol, ug/kg	50.0	< 8900000.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 1800000.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 1800000.0 UJ
Pentachlorophenol, ug/kg	50.0	< 8900000.0 UJ
Phenanthrene, ug/kg	10.0	< 1800000.0 UJ
Phenol, ug/kg	10.0	< 1800000.0 UJ
Pyrene, ug/kg	10.0	< 1800000.0 UJ
1,2,4-Trichlorobenzene, ug/kg	10.0	< 1800000.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 8900000.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 1800000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-10

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acenaphthene, ug/kg	10.0	< 830.0 UJ
Acenaphthylene, ug/kg	10.0	< 830.0 UJ
Anthracene, ug/kg	10.0	< 830.0 UJ
Benzo (a) anthracene, ug/kg	10.0	< 830.0 UJ
Benzo (a) pyrene, ug/kg	10.0	< 830.0 UJ
Benzo (b) fluoranthene, ug/kg	10.0	< 830.0 UJ
Benzo (g,h,i) perylene, ug/kg	10.0	< 830.0 UJ
Benzoic acid, ug/kg	50.0	< 4000.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	< 830.0 UJ
Benzyl alcohol, ug/kg	10.0	< 830.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 830.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 830.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 830.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	290.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 830.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 830.0 UJ
4-Chloroaniline, ug/kg	10.0	< 830.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 830.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 830.0 UJ
2-Chlorophenol, ug/kg	10.0	< 830.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 830.0 UJ
Chrysene, ug/kg	10.0	< 830.0 UJ
Dibenzo (a,h) anthracene, ug/kg	10.0	< 830.0 UJ
Dibenzofuran, ug/kg	10.0	< 830.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 830.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 830.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 830.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 1700.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 830.0 UJ
Diethylphthalate, ug/kg	10.0	< 830.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 830.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 830.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 830.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 4000.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 4000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-10

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene, ug/kg	10.0	< 830.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 830.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 830.0 UJ
Fluoranthene, ug/kg	10.0	< 830.0 UJ
Fluorene, ug/kg	10.0	< 830.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 830.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 830.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 830.0 UJ
Hexachloroethane, ug/kg	10.0	< 830.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	< 830.0 UJ
Isophorone, ug/kg	10.0	< 830.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 830.0 UJ
2-Methylphenol, ug/kg	10.0	< 830.0 UJ
4-Methylphenol, ug/kg	10.0	< 830.0 UJ
Naphthalene, ug/kg	10.0	< 830.0 UJ
2-Nitroaniline, ug/kg	50.0	< 4000.0 UJ
3-Nitroaniline, ug/kg	50.0	< 4000.0 UJ
4-Nitroaniline, ug/kg	50.0	< 4000.0 UJ
Nitrobenzene, ug/kg	10.0	< 830.0 UJ
2-Nitrophenol, ug/kg	10.0	< 830.0 UJ
4-Nitrophenol, ug/kg	50.0	< 4000.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 830.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 830.0 UJ
Pentachlorophenol, ug/kg	50.0	< 4000.0 UJ
Phenanthrene, ug/kg	10.0	< 830.0 UJ
Phenol, ug/kg	10.0	< 830.0 UJ
Pyrene, ug/kg	10.0	< 830.0 UJ
1,2,4-Trichlorobenzene, ug/kg	10.0	< 830.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 4000.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 830.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-11

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	07/31/90
Acenaphthene, ug/kg	10.0	< 7600.0 UJ
Acenaphthylene, ug/kg	10.0	< 7600.0 UJ
Anthracene, ug/kg	10.0	1500.0 J
Benzo (a) anthracene, ug/kg	10.0	2900.0 J
Benzo (a) pyrene, ug/kg	10.0	2700.0 J
Benzo (b) fluoranthene, ug/kg	10.0	2400.0 J
Benzo (g,h,i) perylene, ug/kg	10.0	1900.0 J
Benzoic acid, ug/kg	50.0	< 37000.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	2400.0 J
Benzyl alcohol, ug/kg	10.0	< 7600.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 7600.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 7600.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 7600.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	78000.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 7600.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 7600.0 UJ
4-Chloroaniline, ug/kg	10.0	< 7600.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 7600.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 7600.0 UJ
2-Chlorophenol, ug/kg	10.0	< 7600.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 7600.0 UJ
Chrysene, ug/kg	10.0	4500.0 J
Dibenzo (a,h) anthracene, ug/kg	10.0	< 7600.0 UJ
Dibenzofuran, ug/kg	10.0	< 7600.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 7600.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 7600.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 7600.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 15000.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 7600.0 UJ
Diethylphthalate, ug/kg	10.0	2100.0 J
2,4-Dimethylphenol, ug/kg	10.0	< 7600.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 7600.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 7600.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 37000.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 37000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-11

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	07/31/90
2,4-Dinitrotoluene, ug/kg	10.0	< 7600.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 7600.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 7600.0 UJ
Fluoranthene, ug/kg	10.0	8300.0 J
Fluorene, ug/kg	10.0	< 7600.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 7600.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 7600.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 7600.0 UJ
Hexachloroethane, ug/kg	10.0	< 7600.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	1900.0 J
Isophorone, ug/kg	10.0	< 7600.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 7600.0 UJ
2-Methylphenol, ug/kg	10.0	< 7600.0 UJ
4-Methylphenol, ug/kg	10.0	< 7600.0 UJ
Naphthalene, ug/kg	10.0	< 7600.0 UJ
2-Nitroaniline, ug/kg	50.0	< 37000.0 UJ
3-Nitroaniline, ug/kg	50.0	< 37000.0 UJ
4-Nitroaniline, ug/kg	50.0	< 37000.0 UJ
Nitrobenzene, ug/kg	10.0	< 7600.0 UJ
2-Nitrophenol, ug/kg	10.0	< 7600.0 UJ
4-Nitrophenol, ug/kg	50.0	< 37000.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 7600.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 7600.0 UJ
Pentachlorophenol, ug/kg	50.0	< 37000.0 UJ
Phenanthrene, ug/kg	10.0	7100.0 J
Phenol, ug/kg	10.0	< 7600.0 UJ
Pyrene, ug/kg	10.0	6600.0 J
1,2,4-Trichlorobenzene, ug/kg	10.0	< 7600.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 37000.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 7600.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-12

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/kg	10.0	< 1900.0 UJ
Acenaphthylene, ug/kg	10.0	< 1900.0 UJ
Anthracene, ug/kg	10.0	2900.0 J
Benzo (a) anthracene, ug/kg	10.0	11000.0 J
Benzo (a) pyrene, ug/kg	10.0	9900.0 J
Benzo (b) fluoranthene, ug/kg	10.0	21000.0 J
Benzo (g,h,i) perylene, ug/kg	10.0	4200.0 J
Benzoic acid, ug/kg	50.0	< 9000.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	21000.0 J
Benzyl alcohol, ug/kg	10.0	< 1900.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 1900.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 1900.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 1900.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	1300.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 1900.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 1900.0 UJ
4-Chloroaniline, ug/kg	10.0	< 1900.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 1900.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 1900.0 UJ
2-Chlorophenol, ug/kg	10.0	< 1900.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 1900.0 UJ
Chrysene, ug/kg	10.0	13000.0 J
Dibenzo (a,h) anthracene, ug/kg	10.0	2600.0 J
Dibenzofuran, ug/kg	10.0	540.0 J
1,2-Dichlorobenzene, ug/kg	10.0	< 1900.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 1900.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 1900.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 3700.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 1900.0 UJ
Diethylphthalate, ug/kg	10.0	< 1900.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 1900.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 1900.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 1900.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 9000.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 9000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-12

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/kg	10.0	2900.0 J
2,6-Dinitrotoluene, ug/kg	10.0	< 1900.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 1900.0 UJ
Fluoranthene, ug/kg	10.0	24000.0 J
Fluorene, ug/kg	10.0	< 1900.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 1900.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 1900.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 1900.0 UJ
Hexachloroethane, ug/kg	10.0	< 1900.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	4200.0 J
Isophorone, ug/kg	10.0	< 1900.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 1900.0 UJ
2-Methylphenol, ug/kg	10.0	< 1900.0 UJ
4-Methylphenol, ug/kg	10.0	< 1900.0 UJ
Naphthalene, ug/kg	10.0	< 1900.0 UJ
2-Nitroaniline, ug/kg	50.0	< 9000.0 UJ
3-Nitroaniline, ug/kg	50.0	< 9000.0 UJ
4-Nitroaniline, ug/kg	50.0	< 9000.0 UJ
Nitrobenzene, ug/kg	10.0	< 1900.0 UJ
2-Nitrophenol, ug/kg	10.0	< 1900.0 UJ
4-Nitrophenol, ug/kg	50.0	< 9000.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 1900.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 1900.0 UJ
Pentachlorophenol, ug/kg	50.0	< 9000.0 UJ
Phenanthrene, ug/kg	10.0	17000.0 J
Phenol, ug/kg	10.0	< 1900.0 UJ
Pyrene, ug/kg	10.0	22000.0 J
1,2,4-Trichlorobenzene, ug/kg	10.0	< 1900.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 9000.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 1900.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-13

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	07/31/90
Acenaphthene, ug/kg	10.0	< 7300.0 UJ
Acenaphthylene, ug/kg	10.0	< 7300.0 UJ
Anthracene, ug/kg	10.0	< 7300.0 UJ
Benzo (a) anthracene, ug/kg	10.0	1200.0 J
Benzo (a) pyrene, ug/kg	10.0	1000.0 J
Benzo (b) fluoranthene, ug/kg	10.0	1100.0 J
Benzo (g,h,i) perylene, ug/kg	10.0	< 7300.0 UJ
Benzoic acid, ug/kg	50.0	< 35000.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	1200.0 J
Benzyl alcohol, ug/kg	10.0	< 7300.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 7300.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 7300.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 7300.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	29000.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 7300.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 7300.0 UJ
4-Chloroaniline, ug/kg	10.0	< 7300.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 7300.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 7300.0 UJ
2-Chlorophenol, ug/kg	10.0	< 7300.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 7300.0 UJ
Chrysene, ug/kg	10.0	1800.0 J
Dibenzo (a,h) anthracene, ug/kg	10.0	< 7300.0 UJ
Dibenzofuran, ug/kg	10.0	< 7300.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 7300.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 7300.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 7300.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 15000.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 7300.0 UJ
Diethylphthalate, ug/kg	10.0	1900.0 J
2,4-Dimethylphenol, ug/kg	10.0	< 7300.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 7300.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 7300.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 35000.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 35000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-13

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	07/31/90
2,4-Dinitrotoluene, ug/kg	10.0	< 7300.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 7300.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 7300.0 UJ
Fluoranthene, ug/kg	10.0	3200.0 J
Fluorene, ug/kg	10.0	< 7300.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 7300.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 7300.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 7300.0 UJ
Hexachloroethane, ug/kg	10.0	< 7300.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	< 7300.0 UJ
Isophorone, ug/kg	10.0	< 7300.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 7300.0 UJ
2-Methylphenol, ug/kg	10.0	< 7300.0 UJ
4-Methylphenol, ug/kg	10.0	< 7300.0 UJ
Naphthalene, ug/kg	10.0	< 7300.0 UJ
2-Nitroaniline, ug/kg	50.0	< 35000.0 UJ
3-Nitroaniline, ug/kg	50.0	< 35000.0 UJ
4-Nitroaniline, ug/kg	50.0	< 35000.0 UJ
Nitrobenzene, ug/kg	10.0	< 7300.0 UJ
2-Nitrophenol, ug/kg	10.0	< 7300.0 UJ
4-Nitrophenol, ug/kg	50.0	< 35000.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 7300.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 7300.0 UJ
Pentachlorophenol, ug/kg	50.0	< 35000.0 UJ
Phenanthrene, ug/kg	10.0	2800.0 J
Phenol, ug/kg	10.0	< 7300.0 UJ
Pyrene, ug/kg	10.0	2600.0 J
1,2,4-Trichlorobenzene, ug/kg	10.0	< 7300.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 35000.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 7300.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-14

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	07/31/90
Acenaphthene, ug/kg	10.0	< 1600.0 UJ
Acenaphthylene, ug/kg	10.0	< 1600.0 UJ
Anthracene, ug/kg	10.0	< 1600.0 UJ
Benzo (a) anthracene, ug/kg	10.0	480.0 J
Benzo (a) pyrene, ug/kg	10.0	410.0 J
Benzo (b) fluoranthene, ug/kg	10.0	340.0 J
Benzo (g,h,i) perylene, ug/kg	10.0	290.0 J
Benzoic acid, ug/kg	50.0	< 7900.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	340.0 J
Benzyl alcohol, ug/kg	10.0	< 1600.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 1600.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 1600.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 1600.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	360.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 1600.0 UJ
Butylbenzylphthalate, ug/kg	10.0	1600.0 J
4-Chloroaniline, ug/kg	10.0	< 1600.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 1600.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 1600.0 UJ
2-Chlorophenol, ug/kg	10.0	< 1600.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 1600.0 UJ
Chrysene, ug/kg	10.0	630.0 J
Dibenzo (a,h) anthracene, ug/kg	10.0	< 1600.0 UJ
Dibenzofuran, ug/kg	10.0	< 1600.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 1600.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 1600.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 1600.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	3300.0 J
2,4-Dichlorophenol, ug/kg	10.0	< 1600.0 UJ
Diethylphthalate, ug/kg	10.0	< 1600.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 1600.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 1600.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 1600.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 7900.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 7900.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-14

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	07/31/90
2,4-Dinitrotoluene, ug/kg	10.0	< 1600.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 1600.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 1600.0 UJ
Fluoranthene, ug/kg	10.0	1300.0 J
Fluorene, ug/kg	10.0	< 1600.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 1600.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 1600.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 1600.0 UJ
Hexachloroethane, ug/kg	10.0	< 1600.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	290.0 J
Isophorone, ug/kg	10.0	< 1600.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 1600.0 UJ
2-Methylphenol, ug/kg	10.0	< 1600.0 UJ
4-Methylphenol, ug/kg	10.0	< 1600.0 UJ
Naphthalene, ug/kg	10.0	< 1600.0 UJ
2-Nitroaniline, ug/kg	50.0	< 7900.0 UJ
3-Nitroaniline, ug/kg	50.0	< 7900.0 UJ
4-Nitroaniline, ug/kg	50.0	< 7900.0 UJ
Nitrobenzene, ug/kg	10.0	< 1600.0 UJ
2-Nitrophenol, ug/kg	10.0	< 1600.0 UJ
4-Nitrophenol, ug/kg	50.0	< 7900.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 1600.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 1600.0 UJ
Pentachlorophenol, ug/kg	50.0	< 7900.0 UJ
Phenanthrene, ug/kg	10.0	360.0 J
Phenol, ug/kg	10.0	< 1600.0 UJ
Pyrene, ug/kg	10.0	1100.0 J
1,2,4-Trichlorobenzene, ug/kg	10.0	< 1600.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 7900.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 1600.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-15

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
Acenaphthene, ug/kg	10.0	< 880.0 UJ
Acenaphthylene, ug/kg	10.0	180.0 J
Anthracene, ug/kg	10.0	770.0 J
Benzo (a) anthracene, ug/kg	10.0	1200.0 J
Benzo (a) pyrene, ug/kg	10.0	860.0 J
Benzo (b) fluoranthene, ug/kg	10.0	1600.0 J
Benzo (g,h,i) perylene, ug/kg	10.0	310.0 J
Benzoic acid, ug/kg	50.0	< 4300.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	1600.0 J
Benzyl alcohol, ug/kg	10.0	< 880.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 880.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 880.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 880.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	5200.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 880.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 880.0 UJ
4-Chloroaniline, ug/kg	10.0	< 880.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 880.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 880.0 UJ
2-Chlorophenol, ug/kg	10.0	< 880.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 880.0 UJ
Chrysene, ug/kg	10.0	1200.0 J
Dibenzo (a,h) anthracene, ug/kg	10.0	120.0 J
Dibenzofuran, ug/kg	10.0	170.0 J
1,2-Dichlorobenzene, ug/kg	10.0	< 880.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 880.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 880.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 1800.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 880.0 UJ
Diethylphthalate, ug/kg	10.0	< 880.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 880.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 880.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 880.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 4300.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 4300.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-15

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/01/90
2,4-Dinitrotoluene, ug/kg	10.0	< 880.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 880.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 880.0 UJ
Fluoranthene, ug/kg	10.0	2800.0 J
Fluorene, ug/kg	10.0	240.0 J
Hexachlorobenzene, ug/kg	10.0	< 880.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 880.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 880.0 UJ
Hexachloroethane, ug/kg	10.0	< 880.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	410.0 J
Isophorone, ug/kg	10.0	< 880.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 880.0 UJ
2-Methylphenol, ug/kg	10.0	< 880.0 UJ
4-Methylphenol, ug/kg	10.0	< 880.0 UJ
Naphthalene, ug/kg	10.0	< 880.0 UJ
2-Nitroaniline, ug/kg	50.0	< 4300.0 UJ
3-Nitroaniline, ug/kg	50.0	< 4300.0 UJ
4-Nitroaniline, ug/kg	50.0	< 4300.0 UJ
Nitrobenzene, ug/kg	10.0	< 880.0 UJ
2-Nitrophenol, ug/kg	10.0	< 880.0 UJ
4-Nitrophenol, ug/kg	50.0	< 4300.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 880.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	100.0 J
Pentachlorophenol, ug/kg	50.0	< 4300.0 UJ
Phenanthrene, ug/kg	10.0	3200.0 J
Phenol, ug/kg	10.0	< 880.0 UJ
Pyrene, ug/kg	10.0	2300.0 J
1,2,4-Trichlorobenzene, ug/kg	10.0	< 880.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 4300.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 880.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-16

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/kg	10.0	< 5700.0 UJ
Acenaphthylene, ug/kg	10.0	< 5700.0 UJ
Anthracene, ug/kg	10.0	1700.0 J
Benzo (a) anthracene, ug/kg	10.0	15000.0 J
Benzo (a) pyrene, ug/kg	10.0	12000.0 J
Benzo (b) fluoranthene, ug/kg	10.0	27000.0 J
Benzo (g,h,i) perylene, ug/kg	10.0	5700.0 J
Benzoic acid, ug/kg	50.0	< 28000.0 UJ
Benzo (k) fluoranthene, ug/kg	10.0	27000.0 J
Benzyl alcohol, ug/kg	10.0	< 5700.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 5700.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 5700.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 5700.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	3500.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 5700.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 5700.0 UJ
4-Chloroaniline, ug/kg	10.0	< 5700.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 5700.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 5700.0 UJ
2-Chlorophenol, ug/kg	10.0	< 5700.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 5700.0 UJ
Chrysene, ug/kg	10.0	13000.0 J
Dibenzo (a,h) anthracene, ug/kg	10.0	3100.0 J
Dibenzofuran, ug/kg	10.0	< 5700.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 5700.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 5700.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 5700.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 11000.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 5700.0 UJ
Diethylphthalate, ug/kg	10.0	< 5700.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 5700.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 5700.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 5700.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 28000.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 28000.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-16

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/kg	10.0	< 5700.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 5700.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 5700.0 UJ
Fluoranthene, ug/kg	10.0	22000.0 J
Fluorene, ug/kg	10.0	< 5700.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 5700.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 5700.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 5700.0 UJ
Hexachloroethane, ug/kg	10.0	< 5700.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	5800.0 J
Isophorone, ug/kg	10.0	< 5700.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 5700.0 UJ
2-Methylphenol, ug/kg	10.0	< 5700.0 UJ
4-Methylphenol, ug/kg	10.0	< 5700.0 UJ
Naphthalene, ug/kg	10.0	< 5700.0 UJ
2-Nitroaniline, ug/kg	50.0	< 28000.0 UJ
3-Nitroaniline, ug/kg	50.0	< 28000.0 UJ
4-Nitroaniline, ug/kg	50.0	< 28000.0 UJ
Nitrobenzene, ug/kg	10.0	< 5700.0 UJ
2-Nitrophenol, ug/kg	10.0	< 5700.0 UJ
4-Nitrophenol, ug/kg	50.0	< 28000.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 5700.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 5700.0 UJ
Pentachlorophenol, ug/kg	50.0	< 28000.0 UJ
Phenanthrene, ug/kg	10.0	9900.0 J
Phenol, ug/kg	10.0	< 5700.0 UJ
Pyrene, ug/kg	10.0	22000.0 J
1,2,4-Trichlorobenzene, ug/kg	10.0	< 5700.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 28000.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 5700.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-17

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
Acenaphthene, ug/kg	10.0	< 470.0 UJ
Acenaphthylene, ug/kg	10.0	< 470.0 UJ
Anthracene, ug/kg	10.0	< 470.0 UJ
Benzo (a) anthracene, ug/kg	10.0	< 470.0 UJ
Benzo (a) pyrene, ug/kg	10.0	< 470.0 UJ
Benzo (b) fluoranthene, ug/kg	10.0	140.0 J
Benzo (g,h,i) perylene, ug/kg	10.0	< 470.0 UJ
Benzoic acid, ug/kg	50.0	1300.0 J
Benzo (k) fluoranthene, ug/kg	10.0	140.0 J
Benzyl alcohol, ug/kg	10.0	< 470.0 UJ
Bis (2-Chloroethoxy) methane, ug/kg	10.0	< 470.0 UJ
Bis (2-Chloroethyl) ether, ug/kg	10.0	< 470.0 UJ
Bis (2-Chloroisopropyl) ether, ug/kg	10.0	< 470.0 UJ
Bis (2-Ethylhexyl) phthalate, ug/kg	10.0	110.0 J
4-Bromophenyl-phenylether, ug/kg	10.0	< 470.0 UJ
Butylbenzylphthalate, ug/kg	10.0	< 470.0 UJ
4-Chloroaniline, ug/kg	10.0	< 470.0 UJ
4-Chloro-3-methylphenol, ug/kg	10.0	< 470.0 UJ
2-Chloronaphthalene, ug/kg	10.0	< 470.0 UJ
2-Chlorophenol, ug/kg	10.0	< 470.0 UJ
4-Chlorophenyl-phenylether, ug/kg	10.0	< 470.0 UJ
Chrysene, ug/kg	10.0	< 470.0 UJ
Dibenzo (a,h) anthracene, ug/kg	10.0	< 470.0 UJ
Dibenzofuran, ug/kg	10.0	< 470.0 UJ
1,2-Dichlorobenzene, ug/kg	10.0	< 470.0 UJ
1,3-Dichlorobenzene, ug/kg	10.0	< 470.0 UJ
1,4-Dichlorobenzene, ug/kg	10.0	< 470.0 UJ
3,3'-Dichlorobenzidine, ug/kg	20.0	< 940.0 UJ
2,4-Dichlorophenol, ug/kg	10.0	< 470.0 UJ
Diethylphthalate, ug/kg	10.0	< 470.0 UJ
2,4-Dimethylphenol, ug/kg	10.0	< 470.0 UJ
Dimethyl phthalate, ug/kg	10.0	< 470.0 UJ
Di-n-butylphthalate, ug/kg	10.0	< 470.0 UJ
4,6-Dinitro-2-methylphenol, ug/kg	50.0	< 2300.0 UJ
2,4-Dinitrophenol, ug/kg	50.0	< 2300.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-17

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	08/02/90
2,4-Dinitrotoluene, ug/kg	10.0	< 470.0 UJ
2,6-Dinitrotoluene, ug/kg	10.0	< 470.0 UJ
Di-n-octyl phthalate, ug/kg	10.0	< 470.0 UJ
Fluoranthene, ug/kg	10.0	130.0 J
Fluorene, ug/kg	10.0	< 470.0 UJ
Hexachlorobenzene, ug/kg	10.0	< 470.0 UJ
Hexachlorobutadiene, ug/kg	10.0	< 470.0 UJ
Hexachlorocyclopentadiene, ug/kg	10.0	< 470.0 UJ
Hexachloroethane, ug/kg	10.0	< 470.0 UJ
Indeno (1,2,3-cd) pyrene, ug/kg	10.0	< 470.0 UJ
Isophorone, ug/kg	10.0	< 470.0 UJ
2-Methylnaphthalene, ug/kg	10.0	< 470.0 UJ
2-Methylphenol, ug/kg	10.0	< 470.0 UJ
4-Methylphenol, ug/kg	10.0	< 470.0 UJ
Naphthalene, ug/kg	10.0	< 470.0 UJ
2-Nitroaniline, ug/kg	50.0	< 2300.0 UJ
3-Nitroaniline, ug/kg	50.0	< 2300.0 UJ
4-Nitroaniline, ug/kg	50.0	< 2300.0 UJ
Nitrobenzene, ug/kg	10.0	< 470.0 UJ
2-Nitrophenol, ug/kg	10.0	< 470.0 UJ
4-Nitrophenol, ug/kg	50.0	< 2300.0 UJ
N-Nitroso-di-n-propylamine, ug/kg	10.0	< 470.0 UJ
N-Nitrosodiphenylamine, ug/kg	10.0	< 470.0 UJ
Pentachlorophenol, ug/kg	50.0	< 2300.0 UJ
Phenanthrene, ug/kg	10.0	< 470.0 UJ
Phenol, ug/kg	10.0	< 470.0 UJ
Pyrene, ug/kg	10.0	120.0 J
1,2,4-Trichlorobenzene, ug/kg	10.0	< 470.0 UJ
2,4,5-Trichlorophenol, ug/kg	50.0	< 2300.0 UJ
2,4,6-Trichlorophenol, ug/kg	10.0	< 470.0 UJ

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Split Spoon Soil Sample: CORE-1 Date Sampled: 03/07/90

Chemical Compound Class: Semi-Volatile Organic Compounds

Sample Interval Top:	0.5 ft	
Sample Interval Bottom:	0.9 ft	
Chemical Parameter		CRQL
Acenaphthene, ug/kg	< 400.0 UJ	10.0
Acenaphthylene, ug/kg	< 400.0 UJ	10.0
Anthracene, ug/kg	< 400.0 UJ	10.0
Benzo (a) anthracene, ug/kg	< 400.0 UJ	10.0
Benzo (a) pyrene, ug/kg	< 400.0 UJ	10.0
Benzo (b) fluoranthene, ug/kg	< 400.0 UJ	10.0
Benzo (g,h,i) perylene, ug/kg	< 400.0 UJ	10.0
Benzoic acid, ug/kg	< 2000.0 UJ	50.0
Benzo (k) fluoranthene, ug/kg	< 400.0 UJ	10.0
Benzyl alcohol, ug/kg	< 400.0 UJ	10.0
Bis (2-Chloroethoxy) methane, ug/kg	< 400.0 UJ	10.0
Bis (2-Chloroethyl) ether, ug/kg	< 400.0 UJ	10.0
Bis (2-Chloroisopropyl) ether, ug/kg	< 400.0 UJ	10.0
Bis (2-Ethylhexyl) phthalate, ug/kg	230.0 J	10.0
4-Bromophenyl-phenylether, ug/kg	< 400.0 UJ	10.0
Butylbenzylphthalate, ug/kg	< 400.0 UJ	10.0
4-Chloroaniline, ug/kg	< 400.0 UJ	10.0
4-Chloro-3-methylphenol, ug/kg	< 400.0 UJ	10.0
2-Chloronaphthalene, ug/kg	< 400.0 UJ	10.0
2-Chlorophenol, ug/kg	< 400.0 UJ	10.0
4-Chlorophenyl-phenylether, ug/kg	< 400.0 UJ	10.0
Chrysene, ug/kg	< 400.0 UJ	10.0
Dibenzo (a,h) anthracene, ug/kg	< 400.0 UJ	10.0
Dibenzofuran, ug/kg	< 400.0 UJ	10.0
1,2-Dichlorobenzene, ug/kg	< 400.0 UJ	10.0
1,3-Dichlorobenzene, ug/kg	< 400.0 UJ	10.0
1,4-Dichlorobenzene, ug/kg	< 400.0 UJ	10.0
3,3'-Dichlorobenzidine, ug/kg	< 800.0 UJ	20.0
2,4-Dichlorophenol, ug/kg	< 400.0 UJ	10.0
Diethylphthalate, ug/kg	< 400.0 UJ	10.0
2,4-Dimethylphenol, ug/kg	< 400.0 UJ	10.0
Dimethyl phthalate, ug/kg	< 400.0 UJ	10.0
Di-n-butylphthalate, ug/kg	< 400.0 UJ	10.0
4,6-Dinitro-2-methylphenol, ug/kg	< 2000.0 UJ	50.0
2,4-Dinitrophenol, ug/kg	< 2000.0 UJ	50.0

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Code

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Split Spoon Soil Sample: CORE-1 Date Sampled: 03/07/90

Chemical Compound Class: Semi-Volatile Organic Compounds

	Sample Interval Top: 0.5 ft Sample Interval Bottom: 0.9 ft	
Chemical Parameter		CRQL
2,4-Dinitrotoluene, ug/kg	< 400.0 UJ	10.0
2,6-Dinitrotoluene, ug/kg	< 400.0 UJ	10.0
Di-n-octyl phthalate, ug/kg	< 400.0 UJ	10.0
Fluoranthene, ug/kg	< 400.0 UJ	10.0
Fluorene, ug/kg	< 400.0 UJ	10.0
Hexachlorobenzene, ug/kg	< 400.0 UJ	10.0
Hexachlorobutadiene, ug/kg	< 400.0 UJ	10.0
Hexachlorocyclopentadiene, ug/kg	< 400.0 UJ	10.0
Hexachloroethane, ug/kg	< 400.0 UJ	10.0
Indeno (1,2,3-cd) pyrene, ug/kg	< 400.0 UJ	10.0
Isophorone, ug/kg	< 400.0 UJ	10.0
2-Methylnaphthalene, ug/kg	< 400.0 UJ	10.0
2-Methylphenol, ug/kg	< 400.0 UJ	10.0
4-Methylphenol, ug/kg	< 400.0 UJ	10.0
Naphthalene, ug/kg	< 400.0 UJ	10.0
2-Nitroaniline, ug/kg	< 2000.0 UJ	50.0
3-Nitroaniline, ug/kg	< 2000.0 UJ	50.0
4-Nitroaniline, ug/kg	< 2000.0 UJ	50.0
Nitrobenzene, ug/kg	< 400.0 UJ	10.0
2-Nitrophenol, ug/kg	< 400.0 UJ	10.0
4-Nitrophenol, ug/kg	< 2000.0 UJ	50.0
N-Nitroso-di-n-propylamine, ug/kg	< 400.0 UJ	10.0
N-Nitrosodiphenylamine, ug/kg	< 400.0 UJ	10.0
Pentachlorophenol, ug/kg	< 2000.0 UJ	50.0
Phenanthrene, ug/kg	< 400.0 UJ	10.0
Phenol, ug/kg	< 400.0 UJ	10.0
Pyrene, ug/kg	< 400.0 UJ	10.0
1,2,4-Trichlorobenzene, ug/kg	< 400.0 UJ	10.0
2,4,5-Trichlorophenol, ug/kg	< 2000.0 UJ	50.0
2,4,6-Trichlorophenol, ug/kg	< 400.0 UJ	10.0

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Code

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-1

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/03/90
Aldrin, ug/kg	0.05	< 14.0 R
alpha-BHC, ug/kg	0.05	< 14.0 R
beta-BHC, ug/kg	0.05	< 14.0 R
delta-BHC, ug/kg	0.05	< 14.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 14.0 R
alpha-Chlordane, ug/kg	0.05	< 140.0 R
gamma-Chlordane, ug/kg	0.05	< 140.0 R
4,4'-DDD, ug/kg	0.1	< 28.0 R
4,4'-DDE, ug/kg	0.1	< 28.0 R
4,4'-DDT, ug/kg	0.1	< 28.0 R
Dieldrin, ug/kg	0.1	< 28.0 R
Endosulfan I, ug/kg	0.05	< 14.0 R
Endosulfan II, ug/kg	0.1	< 28.0 R
Endosulfan sulfate, ug/kg	0.1	< 28.0 R
Endrin, ug/kg	0.1	< 28.0 R
Endrin ketone, ug/kg	0.05	< 28.0 R
Heptachlor, ug/kg	0.05	< 14.0 R
Heptachlor epoxide, ug/kg	0.05	< 14.0 R
Methoxychlor, ug/kg	0.05	< 140.0 R
Toxaphene, ug/kg	1.0	< 280.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/03/90
Aroclor-1016, ug/kg	0.5	< 140.0 R
Aroclor-1221, ug/kg	0.5	< 140.0 R
Aroclor-1232, ug/kg	0.5	< 140.0 R
Aroclor-1242, ug/kg	0.5	< 140.0 R
Aroclor-1248, ug/kg	0.5	< 140.0 R
Aroclor-1254, ug/kg	1.0	< 280.0 R
Aroclor-1260, ug/kg	1.0	< 280.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-2

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/03/90
Aldrin, ug/kg	0.05	< 10.0 R
alpha-BHC, ug/kg	0.05	< 10.0 R
beta-BHC, ug/kg	0.05	< 10.0 R
delta-BHC, ug/kg	0.05	< 10.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 10.0 R
alpha-Chlordane, ug/kg	0.05	< 100.0 R
gamma-Chlordane, ug/kg	0.05	< 100.0 R
4,4'-DDD, ug/kg	0.1	< 20.0 R
4,4'-DDE, ug/kg	0.1	< 20.0 R
4,4'-DDT, ug/kg	0.1	< 20.0 R
Dieldrin, ug/kg	0.1	< 20.0 R
Endosulfan I, ug/kg	0.05	< 10.0 R
Endosulfan II, ug/kg	0.1	< 20.0 R
Endosulfan sulfate, ug/kg	0.1	< 20.0 R
Endrin, ug/kg	0.1	< 20.0 R
Endrin ketone, ug/kg	0.05	< 20.0 R
Heptachlor, ug/kg	0.05	< 10.0 R
Heptachlor epoxide, ug/kg	0.05	< 10.0 R
Methoxychlor, ug/kg	0.05	< 100.0 R
Toxaphene, ug/kg	1.0	< 200.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/03/90
Aroclor-1016, ug/kg	0.5	< 100.0 R
Aroclor-1221, ug/kg	0.5	< 100.0 R
Aroclor-1232, ug/kg	0.5	< 100.0 R
Aroclor-1242, ug/kg	0.5	< 100.0 R
Aroclor-1248, ug/kg	0.5	< 100.0 R
Aroclor-1254, ug/kg	1.0	< 200.0 R
Aroclor-1260, ug/kg	1.0	< 200.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-3

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/03/90
Aldrin, ug/kg	0.05	< 50.0 R
alpha-BHC, ug/kg	0.05	< 50.0 R
beta-BHC, ug/kg	0.05	< 50.0 R
delta-BHC, ug/kg	0.05	< 50.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 50.0 R
alpha-Chlordane, ug/kg	0.05	< 500.0 R
gamma-Chlordane, ug/kg	0.05	< 500.0 R
4,4'-DDD, ug/kg	0.1	< 100.0 R
4,4'-DDE, ug/kg	0.1	< 100.0 R
4,4'-DDT, ug/kg	0.1	< 100.0 R
Dieldrin, ug/kg	0.1	< 100.0 R
Endosulfan I, ug/kg	0.05	< 50.0 R
Endosulfan II, ug/kg	0.1	< 100.0 R
Endosulfan sulfate, ug/kg	0.1	< 100.0 R
Endrin, ug/kg	0.1	< 100.0 R
Endrin ketone, ug/kg	0.05	< 100.0 R
Heptachlor, ug/kg	0.05	< 50.0 R
Heptachlor epoxide, ug/kg	0.05	< 50.0 R
Methoxychlor, ug/kg	0.05	< 500.0 R
Toxaphene, ug/kg	1.0	< 1000.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/03/90
Aroclor-1016, ug/kg	0.5	< 500.0 R
Aroclor-1221, ug/kg	0.5	< 500.0 R
Aroclor-1232, ug/kg	0.5	< 500.0 R
Aroclor-1242, ug/kg	0.5	< 500.0 R
Aroclor-1248, ug/kg	0.5	< 500.0 R
Aroclor-1254, ug/kg	1.0	< 1000.0 R
Aroclor-1260, ug/kg	1.0	< 1000.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-4

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/kg	0.05	< 11.0 R
alpha-BHC, ug/kg	0.05	< 11.0 R
beta-BHC, ug/kg	0.05	< 11.0 R
delta-BHC, ug/kg	0.05	< 11.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 11.0 R
alpha-Chlordane, ug/kg	0.05	< 110.0 R
gamma-Chlordane, ug/kg	0.05	< 110.0 R
4,4'-DDD, ug/kg	0.1	< 22.0 R
4,4'-DDE, ug/kg	0.1	< 22.0 R
4,4'-DDT, ug/kg	0.1	< 22.0 R
Dieldrin, ug/kg	0.1	< 22.0 R
Endosulfan I, ug/kg	0.05	< 11.0 R
Endosulfan II, ug/kg	0.1	< 22.0 R
Endosulfan sulfate, ug/kg	0.1	< 22.0 R
Endrin, ug/kg	0.1	< 22.0 R
Endrin ketone, ug/kg	0.05	< 22.0 R
Heptachlor, ug/kg	0.05	< 11.0 R
Heptachlor epoxide, ug/kg	0.05	< 11.0 R
Methoxychlor, ug/kg	0.05	< 110.0 R
Toxaphene, ug/kg	1.0	< 220.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/kg	0.5	< 110.0 R
Aroclor-1221, ug/kg	0.5	< 110.0 R
Aroclor-1232, ug/kg	0.5	< 110.0 R
Aroclor-1242, ug/kg	0.5	< 110.0 R
Aroclor-1248, ug/kg	0.5	< 110.0 R
Aroclor-1254, ug/kg	1.0	< 220.0 R
Aroclor-1260, ug/kg	1.0	< 220.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-5

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/kg	0.05	< 23.0 R
alpha-BHC, ug/kg	0.05	< 23.0 R
beta-BHC, ug/kg	0.05	< 23.0 R
delta-BHC, ug/kg	0.05	< 23.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 23.0 R
alpha-Chlordane, ug/kg	0.05	< 230.0 R
gamma-Chlordane, ug/kg	0.05	< 230.0 R
4,4'-DDD, ug/kg	0.1	< 46.0 R
4,4'-DDE, ug/kg	0.1	< 46.0 R
4,4'-DDT, ug/kg	0.1	< 46.0 R
Dieldrin, ug/kg	0.1	< 46.0 R
Endosulfan I, ug/kg	0.05	< 23.0 R
Endosulfan II, ug/kg	0.1	< 46.0 R
Endosulfan sulfate, ug/kg	0.1	< 46.0 R
Endrin, ug/kg	0.1	< 46.0 R
Endrin ketone, ug/kg	0.05	< 46.0 R
Heptachlor, ug/kg	0.05	< 23.0 R
Heptachlor epoxide, ug/kg	0.05	< 23.0 R
Methoxychlor, ug/kg	0.05	< 230.0 R
Toxaphene, ug/kg	1.0	< 460.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/kg	0.5	< 230.0 R
Aroclor-1221, ug/kg	0.5	< 230.0 R
Aroclor-1232, ug/kg	0.5	< 230.0 R
Aroclor-1242, ug/kg	0.5	< 230.0 R
Aroclor-1248, ug/kg	0.5	< 230.0 R
Aroclor-1254, ug/kg	1.0	< 460.0 R
Aroclor-1260, ug/kg	1.0	< 460.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-6

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/kg	0.05	< 21.0 R
alpha-BHC, ug/kg	0.05	< 21.0 R
beta-BHC, ug/kg	0.05	< 21.0 R
delta-BHC, ug/kg	0.05	< 21.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 21.0 R
alpha-Chlordane, ug/kg	0.05	< 210.0 R
gamma-Chlordane, ug/kg	0.05	< 210.0 R
4,4'-DDD, ug/kg	0.1	< 42.0 R
4,4'-DDE, ug/kg	0.1	< 42.0 R
4,4'-DDT, ug/kg	0.1	< 42.0 R
Dieldrin, ug/kg	0.1	< 42.0 R
Endosulfan I, ug/kg	0.05	< 21.0 R
Endosulfan II, ug/kg	0.1	< 42.0 R
Endosulfan sulfate, ug/kg	0.1	< 42.0 R
Endrin, ug/kg	0.1	< 42.0 R
Endrin ketone, ug/kg	0.05	< 42.0 R
Heptachlor, ug/kg	0.05	< 21.0 R
Heptachlor epoxide, ug/kg	0.05	< 21.0 R
Methoxychlor, ug/kg	0.05	< 210.0 R
Toxaphene, ug/kg	1.0	< 420.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/kg	0.5	< 210.0 R
Aroclor-1221, ug/kg	0.5	< 210.0 R
Aroclor-1232, ug/kg	0.5	< 210.0 R
Aroclor-1242, ug/kg	0.5	< 210.0 R
Aroclor-1248, ug/kg	0.5	< 210.0 R
Aroclor-1254, ug/kg	1.0	< 420.0 R
Aroclor-1260, ug/kg	1.0	< 420.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-7

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/01/90
Aldrin, ug/kg	0.05	< 250.0 R
alpha-BHC, ug/kg	0.05	< 250.0 R
beta-BHC, ug/kg	0.05	< 250.0 R
delta-BHC, ug/kg	0.05	< 250.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 250.0 R
alpha-Chlordane, ug/kg	0.05	< 2500.0 R
gamma-Chlordane, ug/kg	0.05	< 2500.0 R
4,4'-DDD, ug/kg	0.1	< 500.0 R
4,4'-DDE, ug/kg	0.1	< 500.0 R
4,4'-DDT, ug/kg	0.1	< 500.0 R
Dieldrin, ug/kg	0.1	< 500.0 R
Endosulfan I, ug/kg	0.05	< 250.0 R
Endosulfan II, ug/kg	0.1	< 500.0 R
Endosulfan sulfate, ug/kg	0.1	< 500.0 R
Endrin, ug/kg	0.1	< 500.0 R
Endrin ketone, ug/kg	0.05	< 500.0 R
Heptachlor, ug/kg	0.05	< 250.0 R
Heptachlor epoxide, ug/kg	0.05	< 250.0 R
Methoxychlor, ug/kg	0.05	< 2500.0 R
Toxaphene, ug/kg	1.0	< 5000.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/01/90
Aroclor-1016, ug/kg	0.5	< 2500.0 R
Aroclor-1221, ug/kg	0.5	< 2500.0 R
Aroclor-1232, ug/kg	0.5	< 2500.0 R
Aroclor-1242, ug/kg	0.5	< 2500.0 R
Aroclor-1248, ug/kg	0.5	< 2500.0 R
Aroclor-1254, ug/kg	1.0	< 5000.0 R
Aroclor-1260, ug/kg	1.0	< 5000.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-8

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Aldrin, ug/kg	0.05	< 12.0 R	< 11.0 R
alpha-BHC, ug/kg	0.05	< 12.0 R	< 11.0 R
beta-BHC, ug/kg	0.05	< 12.0 R	< 11.0 R
delta-BHC, ug/kg	0.05	< 12.0 R	< 11.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 12.0 R	< 11.0 R
alpha-Chlordane, ug/kg	0.05	< 120.0 R	< 110.0 R
gamma-Chlordane, ug/kg	0.05	< 120.0 R	< 110.0 R
4,4'-DDD, ug/kg	0.1	< 24.0 R	< 22.0 R
4,4'-DDE, ug/kg	0.1	< 24.0 R	< 22.0 R
4,4'-DDT, ug/kg	0.1	< 24.0 R	< 22.0 R
Dieldrin, ug/kg	0.1	< 24.0 R	< 22.0 R
Endosulfan I, ug/kg	0.05	< 12.0 R	< 11.0 R
Endosulfan II, ug/kg	0.1	< 24.0 R	< 22.0 R
Endosulfan sulfate, ug/kg	0.1	< 24.0 R	< 22.0 R
Endrin, ug/kg	0.1	< 24.0 R	< 22.0 R
Endrin ketone, ug/kg	0.05	< 24.0 R	< 22.0 R
Heptachlor, ug/kg	0.05	< 12.0 R	< 11.0 R
Heptachlor epoxide, ug/kg	0.05	< 12.0 R	< 11.0 R
Methoxychlor, ug/kg	0.05	< 120.0 R	< 110.0 R
Toxaphene, ug/kg	1.0	< 240.0 R	< 220.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/03/90	08/03/90 Replicate
Aroclor-1016, ug/kg	0.5	< 120.0 R	< 110.0 R
Aroclor-1221, ug/kg	0.5	< 120.0 R	< 110.0 R
Aroclor-1232, ug/kg	0.5	< 120.0 R	< 110.0 R
Aroclor-1242, ug/kg	0.5	< 120.0 R	< 110.0 R
Aroclor-1248, ug/kg	0.5	< 120.0 R	< 110.0 R
Aroclor-1254, ug/kg	1.0	< 240.0 R	< 220.0 R
Aroclor-1260, ug/kg	1.0	< 240.0 R	< 220.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-9

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/01/90
Aldrin, ug/kg	0.05	< 0.5 R
alpha-BHC, ug/kg	0.05	< 0.5 R
beta-BHC, ug/kg	0.05	< 0.5 R
delta-BHC, ug/kg	0.05	< 0.5 R
gamma-BHC (Lindane), ug/kg	0.05	< 0.5 R
alpha-Chlordane, ug/kg	0.05	< 5.0 R
gamma-Chlordane, ug/kg	0.05	< 5.0 R
4,4'-DDD, ug/kg	0.1	< 1.0 R
4,4'-DDE, ug/kg	0.1	< 1.0 R
4,4'-DDT, ug/kg	0.1	< 1.0 R
Dieldrin, ug/kg	0.1	< 1.0 R
Endosulfan I, ug/kg	0.05	< 0.5 R
Endosulfan II, ug/kg	0.1	< 1.0 R
Endosulfan sulfate, ug/kg	0.1	< 1.0 R
Endrin, ug/kg	0.1	< 1.0 R
Endrin ketone, ug/kg	0.05	< 1.0 R
Heptachlor, ug/kg	0.05	< 0.5 R
Heptachlor epoxide, ug/kg	0.05	< 0.5 R
Methoxychlor, ug/kg	0.05	< 5.0 R
Toxaphene, ug/kg	1.0	< 10.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/01/90
Aroclor-1016, ug/kg	0.5	< 5.0 R
Aroclor-1221, ug/kg	0.5	< 5.0 R
Aroclor-1232, ug/kg	0.5	< 5.0 R
Aroclor-1242, ug/kg	0.5	< 5.0 R
Aroclor-1248, ug/kg	0.5	< 5.0 R
Aroclor-1254, ug/kg	1.0	< 10.0 R
Aroclor-1260, ug/kg	1.0	< 10.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-10

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/01/90
Aldrin, ug/kg	0.05	< 11.0 R
alpha-BHC, ug/kg	0.05	< 11.0 R
beta-BHC, ug/kg	0.05	< 11.0 R
delta-BHC, ug/kg	0.05	< 11.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 11.0 R
alpha-Chlordane, ug/kg	0.05	< 110.0 R
gamma-Chlordane, ug/kg	0.05	< 110.0 R
4,4'-DDD, ug/kg	0.1	< 21.0 R
4,4'-DDE, ug/kg	0.1	< 21.0 R
4,4'-DDT, ug/kg	0.1	< 21.0 R
Dieldrin, ug/kg	0.1	< 21.0 R
Endosulfan I, ug/kg	0.05	< 11.0 R
Endosulfan II, ug/kg	0.1	< 21.0 R
Endosulfan sulfate, ug/kg	0.1	< 21.0 R
Endrin, ug/kg	0.1	< 21.0 R
Endrin ketone, ug/kg	0.05	< 21.0 R
Heptachlor, ug/kg	0.05	< 11.0 R
Heptachlor epoxide, ug/kg	0.05	< 11.0 R
Methoxychlor, ug/kg	0.05	< 110.0 R
Toxaphene, ug/kg	1.0	< 210.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/01/90
Aroclor-1016, ug/kg	0.5	< 110.0 R
Aroclor-1221, ug/kg	0.5	< 110.0 R
Aroclor-1232, ug/kg	0.5	< 110.0 R
Aroclor-1242, ug/kg	0.5	< 110.0 R
Aroclor-1248, ug/kg	0.5	< 110.0 R
Aroclor-1254, ug/kg	1.0	< 210.0 R
Aroclor-1260, ug/kg	1.0	< 210.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-11

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	07/31/90
Aldrin, ug/kg	0.05	< 470.0 R
alpha-BHC, ug/kg	0.05	< 470.0 R
beta-BHC, ug/kg	0.05	< 470.0 R
delta-BHC, ug/kg	0.05	< 470.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 470.0 R
alpha-Chlordane, ug/kg	0.05	< 4700.0 R
gamma-Chlordane, ug/kg	0.05	< 4700.0 R
4,4'-DDD, ug/kg	0.1	< 940.0 R
4,4'-DDE, ug/kg	0.1	< 940.0 R
4,4'-DDT, ug/kg	0.1	< 940.0 R
Dieldrin, ug/kg	0.1	< 940.0 R
Endosulfan I, ug/kg	0.05	< 470.0 R
Endosulfan II, ug/kg	0.1	< 940.0 R
Endosulfan sulfate, ug/kg	0.1	< 940.0 R
Endrin, ug/kg	0.1	< 940.0 R
Endrin ketone, ug/kg	0.05	< 940.0 R
Heptachlor, ug/kg	0.05	< 470.0 R
Heptachlor epoxide, ug/kg	0.05	< 470.0 R
Methoxychlor, ug/kg	0.05	< 4700.0 R
Toxaphene, ug/kg	1.0	< 9400.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	07/31/90
Aroclor-1016, ug/kg	0.5	< 4700.0 R
Aroclor-1221, ug/kg	0.5	< 4700.0 R
Aroclor-1232, ug/kg	0.5	< 4700.0 R
Aroclor-1242, ug/kg	0.5	< 4700.0 R
Aroclor-1248, ug/kg	0.5	< 4700.0 R
Aroclor-1254, ug/kg	1.0	< 9400.0 R
Aroclor-1260, ug/kg	1.0	< 9400.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-12

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/kg	0.05	< 23.0 R
alpha-BHC, ug/kg	0.05	< 23.0 R
beta-BHC, ug/kg	0.05	< 23.0 R
delta-BHC, ug/kg	0.05	< 23.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 23.0 R
alpha-Chlordane, ug/kg	0.05	< 230.0 R
gamma-Chlordane, ug/kg	0.05	< 230.0 R
4,4'-DDD, ug/kg	0.1	< 45.0 R
4,4'-DDE, ug/kg	0.1	< 45.0 R
4,4'-DDT, ug/kg	0.1	< 45.0 R
Dieldrin, ug/kg	0.1	< 45.0 R
Endosulfan I, ug/kg	0.05	< 23.0 R
Endosulfan II, ug/kg	0.1	< 45.0 R
Endosulfan sulfate, ug/kg	0.1	< 45.0 R
Endrin, ug/kg	0.1	< 45.0 R
Endrin ketone, ug/kg	0.05	< 45.0 R
Heptachlor, ug/kg	0.05	< 23.0 R
Heptachlor epoxide, ug/kg	0.05	< 23.0 R
Methoxychlor, ug/kg	0.05	< 230.0 R
Toxaphene, ug/kg	1.0	< 450.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/kg	0.5	< 230.0 R
Aroclor-1221, ug/kg	0.5	< 230.0 R
Aroclor-1232, ug/kg	0.5	< 230.0 R
Aroclor-1242, ug/kg	0.5	< 230.0 R
Aroclor-1248, ug/kg	0.5	< 230.0 R
Aroclor-1254, ug/kg	1.0	< 450.0 R
Aroclor-1260, ug/kg	1.0	< 450.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-13

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	07/31/90
Aldrin, ug/kg	0.05	< 440.0 R
alpha-BHC, ug/kg	0.05	< 440.0 R
beta-BHC, ug/kg	0.05	< 440.0 R
delta-BHC, ug/kg	0.05	< 440.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 440.0 R
alpha-Chlordane, ug/kg	0.05	< 4400.0 R
gamma-Chlordane, ug/kg	0.05	< 4400.0 R
4,4'-DDD, ug/kg	0.1	< 880.0 R
4,4'-DDE, ug/kg	0.1	< 880.0 R
4,4'-DDT, ug/kg	0.1	< 880.0 R
Dieldrin, ug/kg	0.1	< 880.0 R
Endosulfan I, ug/kg	0.05	< 440.0 R
Endosulfan II, ug/kg	0.1	< 880.0 R
Endosulfan sulfate, ug/kg	0.1	< 880.0 R
Endrin, ug/kg	0.1	< 880.0 R
Endrin ketone, ug/kg	0.05	< 880.0 R
Heptachlor, ug/kg	0.05	< 440.0 R
Heptachlor epoxide, ug/kg	0.05	< 440.0 R
Methoxychlor, ug/kg	0.05	< 4400.0 R
Toxaphene, ug/kg	1.0	< 8800.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	07/31/90
Aroclor-1016, ug/kg	0.5	< 4400.0 R
Aroclor-1221, ug/kg	0.5	< 4400.0 R
Aroclor-1232, ug/kg	0.5	< 4400.0 R
Aroclor-1242, ug/kg	0.5	< 4400.0 R
Aroclor-1248, ug/kg	0.5	< 4400.0 R
Aroclor-1254, ug/kg	1.0	< 8800.0 R
Aroclor-1260, ug/kg	1.0	< 8800.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-14

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	07/31/90
Aldrin, ug/kg	0.05	< 10.0 R
alpha-BHC, ug/kg	0.05	< 10.0 R
beta-BHC, ug/kg	0.05	< 10.0 R
delta-BHC, ug/kg	0.05	< 10.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 10.0 R
alpha-Chlordane, ug/kg	0.05	< 100.0 R
gamma-Chlordane, ug/kg	0.05	< 100.0 R
4,4'-DDD, ug/kg	0.1	< 21.0 R
4,4'-DDE, ug/kg	0.1	< 21.0 R
4,4'-DDT, ug/kg	0.1	< 21.0 R
Dieldrin, ug/kg	0.1	< 21.0 R
Endosulfan I, ug/kg	0.05	< 10.0 R
Endosulfan II, ug/kg	0.1	< 21.0 R
Endosulfan sulfate, ug/kg	0.1	< 21.0 R
Endrin, ug/kg	0.1	< 21.0 R
Endrin ketone, ug/kg	0.05	< 21.0 R
Heptachlor, ug/kg	0.05	< 10.0 R
Heptachlor epoxide, ug/kg	0.05	< 10.0 R
Methoxychlor, ug/kg	0.05	< 100.0 R
Toxaphene, ug/kg	1.0	< 210.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	07/31/90
Aroclor-1016, ug/kg	0.5	< 100.0 R
Aroclor-1221, ug/kg	0.5	< 100.0 R
Aroclor-1232, ug/kg	0.5	< 100.0 R
Aroclor-1242, ug/kg	0.5	< 100.0 R
Aroclor-1248, ug/kg	0.5	< 100.0 R
Aroclor-1254, ug/kg	1.0	< 210.0 R
Aroclor-1260, ug/kg	1.0	< 210.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-15

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/01/90
Aldrin, ug/kg	0.05	< 11.0 R
alpha-BHC, ug/kg	0.05	< 11.0 R
beta-BHC, ug/kg	0.05	< 11.0 R
delta-BHC, ug/kg	0.05	< 11.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 11.0 R
alpha-Chlordane, ug/kg	0.05	< 110.0 R
gamma-Chlordane, ug/kg	0.05	< 110.0 R
4,4'-DDD, ug/kg	0.1	< 23.0 R
4,4'-DDE, ug/kg	0.1	< 23.0 R
4,4'-DDT, ug/kg	0.1	< 23.0 R
Dieldrin, ug/kg	0.1	< 23.0 R
Endosulfan I, ug/kg	0.05	< 11.0 R
Endosulfan II, ug/kg	0.1	< 23.0 R
Endosulfan sulfate, ug/kg	0.1	< 23.0 R
Endrin, ug/kg	0.1	< 23.0 R
Endrin ketone, ug/kg	0.05	< 23.0 R
Heptachlor, ug/kg	0.05	< 11.0 R
Heptachlor epoxide, ug/kg	0.05	< 11.0 R
Methoxychlor, ug/kg	0.05	< 110.0 R
Toxaphene, ug/kg	1.0	< 230.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/01/90
Aroclor-1016, ug/kg	0.5	< 110.0 R
Aroclor-1221, ug/kg	0.5	< 110.0 R
Aroclor-1232, ug/kg	0.5	< 110.0 R
Aroclor-1242, ug/kg	0.5	< 110.0 R
Aroclor-1248, ug/kg	0.5	< 110.0 R
Aroclor-1254, ug/kg	1.0	< 230.0 R
Aroclor-1260, ug/kg	1.0	< 230.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-16

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/kg	0.05	< 37.0 R
alpha-BHC, ug/kg	0.05	< 37.0 R
beta-BHC, ug/kg	0.05	< 37.0 R
delta-BHC, ug/kg	0.05	< 37.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 37.0 R
alpha-Chlordane, ug/kg	0.05	< 370.0 R
gamma-Chlordane, ug/kg	0.05	< 370.0 R
4,4'-DDD, ug/kg	0.1	< 73.0 R
4,4'-DDE, ug/kg	0.1	< 73.0 R
4,4'-DDT, ug/kg	0.1	< 73.0 R
Dieldrin, ug/kg	0.1	< 73.0 R
Endosulfan I, ug/kg	0.05	< 37.0 R
Endosulfan II, ug/kg	0.1	< 73.0 R
Endosulfan sulfate, ug/kg	0.1	< 73.0 R
Endrin, ug/kg	0.1	< 73.0 R
Endrin ketone, ug/kg	0.05	< 73.0 R
Heptachlor, ug/kg	0.05	< 37.0 R
Heptachlor epoxide, ug/kg	0.05	< 37.0 R
Methoxychlor, ug/kg	0.05	< 370.0 R
Toxaphene, ug/kg	1.0	< 730.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/kg	0.5	< 370.0 R
Aroclor-1221, ug/kg	0.5	< 370.0 R
Aroclor-1232, ug/kg	0.5	< 370.0 R
Aroclor-1242, ug/kg	0.5	< 370.0 R
Aroclor-1248, ug/kg	0.5	< 370.0 R
Aroclor-1254, ug/kg	1.0	< 730.0 R
Aroclor-1260, ug/kg	1.0	< 730.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-17

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	08/02/90
Aldrin, ug/kg	0.05	< 23.0 R
alpha-BHC, ug/kg	0.05	< 23.0 R
beta-BHC, ug/kg	0.05	< 23.0 R
delta-BHC, ug/kg	0.05	< 23.0 R
gamma-BHC (Lindane), ug/kg	0.05	< 23.0 R
alpha-Chlordane, ug/kg	0.05	< 230.0 R
gamma-Chlordane, ug/kg	0.05	< 230.0 R
4,4'-DDD, ug/kg	0.1	< 46.0 R
4,4'-DDE, ug/kg	0.1	< 46.0 R
4,4'-DDT, ug/kg	0.1	< 46.0 R
Dieldrin, ug/kg	0.1	< 46.0 R
Endosulfan I, ug/kg	0.05	< 23.0 R
Endosulfan II, ug/kg	0.1	< 46.0 R
Endosulfan sulfate, ug/kg	0.1	< 46.0 R
Endrin, ug/kg	0.1	< 46.0 R
Endrin ketone, ug/kg	0.05	< 46.0 R
Heptachlor, ug/kg	0.05	< 23.0 R
Heptachlor epoxide, ug/kg	0.05	< 23.0 R
Methoxychlor, ug/kg	0.05	< 230.0 R
Toxaphene, ug/kg	1.0	< 460.0 R

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	08/02/90
Aroclor-1016, ug/kg	0.5	< 230.0 R
Aroclor-1221, ug/kg	0.5	< 230.0 R
Aroclor-1232, ug/kg	0.5	< 230.0 R
Aroclor-1242, ug/kg	0.5	< 230.0 R
Aroclor-1248, ug/kg	0.5	< 230.0 R
Aroclor-1254, ug/kg	1.0	< 460.0 R
Aroclor-1260, ug/kg	1.0	< 460.0 R

Explanation

CRQL Contract Required Quantitation Limit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Split Spoon Soil Sample: CORE-1 Date Sampled: 03/07/90

Chemical Compound Class: Pesticide Compounds

Sample Interval Top:	0.5 ft	
Sample Interval Bottom:	0.9 ft	
Chemical Parameter		CRQL
Aldrin, ug/kg	< 9.9 R	0.05
alpha-BHC, ug/kg	< 9.9 R	0.05
beta-BHC, ug/kg	< 9.9 R	0.05
delta-BHC, ug/kg	< 9.9 R	0.05
gamma-BHC (Lindane), ug/kg	< 9.9 R	0.05
alpha-Chlordane, ug/kg	< 99.0 R	0.05
gamma-Chlordane, ug/kg	< 99.0 R	0.05
4,4'-DDD, ug/kg	< 20.0 R	0.1
4,4'-DDE, ug/kg	< 20.0 R	0.1
4,4'-DDT, ug/kg	< 20.0 R	0.1
Dieldrin, ug/kg	< 20.0 R	0.1
Endosulfan I, ug/kg	< 9.9 R	0.05
Endosulfan II, ug/kg	< 20.0 R	0.1
Endosulfan sulfate, ug/kg	< 20.0 R	0.1
Endrin, ug/kg	< 20.0 R	0.1
Endrin ketone, ug/kg	< 20.0 R	0.05
Heptachlor, ug/kg	< 9.9 R	0.05
Heptachlor epoxide, ug/kg	< 9.9 R	0.05
Methoxychlor, ug/kg	< 99.0 R	0.05
Toxaphene, ug/kg	< 200.0 R	1.0

Chemical Compound Class: Poly-Chlorinated Biphenyls

Sample Interval Top:	0.5 ft	
Sample Interval Bottom:	0.9 ft	
Chemical Parameter		CRQL
Aroclor-1016, ug/kg	< 99.0 R	0.5
Aroclor-1221, ug/kg	< 99.0 R	0.5
Aroclor-1232, ug/kg	< 99.0 R	0.5
Aroclor-1242, ug/kg	< 99.0 R	0.5
Aroclor-1248, ug/kg	< 99.0 R	0.5
Aroclor-1254, ug/kg	< 200.0 R	1.0
Aroclor-1260, ug/kg	< 200.0 R	1.0

Explanation

CRQL Contract Required Quantitation LImit (reported in aqueous units of ug/L)

\- Not Analyzed

Validation Code

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (ug/kg)

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-1

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/03/90
Aluminum, total, mg/kg	0.2	6530.0 A (0.015)
Antimony, total, mg/kg	0.06	7.3 J (0.017)
Arsenic, total, mg/kg	0.01	4.8 J (0.002)
Barium, total, mg/kg	0.2	25.4 J (0.001)
Beryllium, total, mg/kg	0.005	< 0.35 U (0.001)
Cadmium, total, mg/kg	0.005	< 1.0 U (0.003)
Calcium, total, mg/kg	5.0	1550.0 J (0.014)
Chromium, total, mg/kg	0.01	28.6 A (0.003)
Cobalt, total, mg/kg	0.05	6.2 J (0.003)
Copper, total, mg/kg	0.025	38.4 J (0.003)
Iron, total, mg/kg	0.1	9140.0 A (0.003)
Lead, total, mg/kg	0.005	11.6 J (0.002)
Magnesium, total, mg/kg	5.0	2600.0 J (0.023)
Manganese, total, mg/kg	0.015	174.0 A (0.001)
Mercury, total, ug/kg	0.2	< 200.0 U (0.2)
Nickel, total, mg/kg	0.04	< 8.4 U (0.024)
Potassium, total, mg/kg	5.0	1040.0 J (0.428)
Selenium, total, mg/kg	0.005	< 0.7 U (0.002)
Silver, total, mg/kg	0.01	< 0.7 UJ (0.002)
Sodium, total, mg/kg	5.0	119.0 A (0.018)
Thallium, total, mg/kg	0.01	< 1.1 UJ (0.004)
Tin, total, mg/kg	N/R	16.3 J (0.017)
Vanadium, total, mg/kg	0.05	15.5 J (0.003)
Zinc, total, mg/kg	0.02	56.3 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-2

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/03/90
Aluminum, total, mg/kg	0.2	3620.0 A (0.015)
Antimony, total, mg/kg	0.06	< 4.8 R (0.017)
Arsenic, total, mg/kg	0.01	371.0 J (0.002)
Barium, total, mg/kg	0.2	27.4 J (0.001)
Beryllium, total, mg/kg	0.005	0.27 A (0.001)
Cadmium, total, mg/kg	0.005	1.2 A (0.003)
Calcium, total, mg/kg	5.0	675.0 J (0.014)
Chromium, total, mg/kg	0.01	546.0 A (0.003)
Cobalt, total, mg/kg	0.05	3.7 J (0.003)
Copper, total, mg/kg	0.025	121.0 J (0.003)
Iron, total, mg/kg	0.1	21600.0 A (0.003)
Lead, total, mg/kg	0.005	212.0 J (0.002)
Magnesium, total, mg/kg	5.0	1040.0 J (0.023)
Manganese, total, mg/kg	0.015	48.4 J (0.001)
Mercury, total, ug/kg	0.2	100.0 A (0.2)
Nickel, total, mg/kg	0.04	< 6.0 U (0.024)
Potassium, total, mg/kg	5.0	287.0 A (0.428)
Selenium, total, mg/kg	0.005	0.52 A (0.002)
Silver, total, mg/kg	0.01	1.8 J (0.002)
Sodium, total, mg/kg	5.0	< 102.0 U (0.018)
Thallium, total, mg/kg	0.01	< 0.76 UJ (0.004)
Tin, total, mg/kg	N/R	8.6 J (0.017)
Vanadium, total, mg/kg	0.05	11.7 J (0.003)
Zinc, total, mg/kg	0.02	189.0 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-3

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/03/90
Aluminum, total, mg/kg	0.2	19900.0 A (0.015)
Antimony, total, mg/kg	0.06	< 22.0 R (0.017)
Arsenic, total, mg/kg	0.01	29.4 J (0.002)
Barium, total, mg/kg	0.2	26.5 J (0.001)
Beryllium, total, mg/kg	0.005	< 1.2 U (0.001)
Cadmium, total, mg/kg	0.005	< 3.5 U (0.003)
Calcium, total, mg/kg	5.0	1400.0 J (0.014)
Chromium, total, mg/kg	0.01	30.4 A (0.003)
Cobalt, total, mg/kg	0.05	4.4 J (0.003)
Copper, total, mg/kg	0.025	44.3 J (0.003)
Iron, total, mg/kg	0.1	31400.0 A (0.003)
Lead, total, mg/kg	0.005	26.7 J (0.002)
Magnesium, total, mg/kg	5.0	3330.0 J (0.023)
Manganese, total, mg/kg	0.015	108.0 A (0.001)
Mercury, total, ug/kg	0.2	< 600.0 U (0.2)
Nickel, total, mg/kg	0.04	27.7 J (0.024)
Potassium, total, mg/kg	5.0	1120.0 J (0.428)
Selenium, total, mg/kg	0.005	< 2.5 U (0.002)
Silver, total, mg/kg	0.01	< 2.3 UJ (0.002)
Sodium, total, mg/kg	5.0	479.0 J (0.018)
Thallium, total, mg/kg	0.01	< 3.7 UJ (0.004)
Tin, total, mg/kg	N/R	1010.0 J (0.017)
Vanadium, total, mg/kg	0.05	30.4 J (0.003)
Zinc, total, mg/kg	0.02	71.3 J (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-4

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/kg	0.2	10200.0 A (0.015)
Antimony, total, mg/kg	0.06	< 5.1 R (0.017)
Arsenic, total, mg/kg	0.01	4.2 J (0.002)
Barium, total, mg/kg	0.2	49.5 J (0.001)
Beryllium, total, mg/kg	0.005	0.46 A (0.001)
Cadmium, total, mg/kg	0.005	< 3.3 U (0.003)
Calcium, total, mg/kg	5.0	2220.0 J (0.014)
Chromium, total, mg/kg	0.01	27.3 A (0.003)
Cobalt, total, mg/kg	0.05	9.9 J (0.003)
Copper, total, mg/kg	0.025	33.1 J (0.003)
Iron, total, mg/kg	0.1	16800.0 A (0.003)
Lead, total, mg/kg	0.005	28.7 J (0.002)
Magnesium, total, mg/kg	5.0	5710.0 A (0.023)
Manganese, total, mg/kg	0.015	162.0 A (0.001)
Mercury, total, ug/kg	0.2	< 100.0 U (0.2)
Nickel, total, mg/kg	0.04	20.0 J (0.024)
Potassium, total, mg/kg	5.0	2160.0 J (0.428)
Selenium, total, mg/kg	0.005	< 0.54 U (0.002)
Silver, total, mg/kg	0.01	< 0.54 UJ (0.002)
Sodium, total, mg/kg	5.0	62.2 J (0.018)
Thallium, total, mg/kg	0.01	< 0.81 UJ (0.004)
Tin, total, mg/kg	N/R	12.5 J (0.017)
Vanadium, total, mg/kg	0.05	32.5 J (0.003)
Zinc, total, mg/kg	0.02	50.9 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-5

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/kg	0.2	4190.0 A (0.015)
Antimony, total, mg/kg	0.06	< 5.4 R (0.017)
Arsenic, total, mg/kg	0.01	12.5 J (0.002)
Barium, total, mg/kg	0.2	12.9 J (0.001)
Beryllium, total, mg/kg	0.005	< 0.28 U (0.001)
Cadmium, total, mg/kg	0.005	< 3.3 U (0.003)
Calcium, total, mg/kg	5.0	1160.0 J (0.014)
Chromium, total, mg/kg	0.01	22.2 A (0.003)
Cobalt, total, mg/kg	0.05	2.8 J (0.003)
Copper, total, mg/kg	0.025	12.2 J (0.003)
Iron, total, mg/kg	0.1	7100.0 A (0.003)
Lead, total, mg/kg	0.005	28.7 J (0.002)
Magnesium, total, mg/kg	5.0	1980.0 J (0.023)
Manganese, total, mg/kg	0.015	91.5 A (0.001)
Mercury, total, ug/kg	0.2	< 100.0 U (0.2)
Nickel, total, mg/kg	0.04	< 6.8 U (0.024)
Potassium, total, mg/kg	5.0	407.0 A (0.428)
Selenium, total, mg/kg	0.005	< 0.57 U (0.002)
Silver, total, mg/kg	0.01	< 0.57 UJ (0.002)
Sodium, total, mg/kg	5.0	< 5.1 U (0.018)
Thallium, total, mg/kg	0.01	< 0.86 UJ (0.004)
Tin, total, mg/kg	N/R	14.4 J (0.017)
Vanadium, total, mg/kg	0.05	11.0 J (0.003)
Zinc, total, mg/kg	0.02	88.5 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-6

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/kg	0.2	922.0 A (0.015)
Antimony, total, mg/kg	0.06	< 4.8 R (0.017)
Arsenic, total, mg/kg	0.01	154.0 J (0.002)
Barium, total, mg/kg	0.2	48.5 J (0.001)
Beryllium, total, mg/kg	0.005	< 0.25 U (0.001)
Cadmium, total, mg/kg	0.005	3.4 J (0.003)
Calcium, total, mg/kg	5.0	2350.0 J (0.014)
Chromium, total, mg/kg	0.01	95.4 A (0.003)
Cobalt, total, mg/kg	0.05	2.6 J (0.003)
Copper, total, mg/kg	0.025	18.4 J (0.003)
Iron, total, mg/kg	0.1	22400.0 A (0.003)
Lead, total, mg/kg	0.005	27.3 J (0.002)
Magnesium, total, mg/kg	5.0	626.0 J (0.023)
Manganese, total, mg/kg	0.015	394.0 J (0.001)
Mercury, total, ug/kg	0.2	400.0 A (0.2)
Nickel, total, mg/kg	0.04	< 6.0 U (0.024)
Potassium, total, mg/kg	5.0	329.0 J (0.428)
Selenium, total, mg/kg	0.005	< 0.52 U (0.002)
Silver, total, mg/kg	0.01	0.76 J (0.002)
Sodium, total, mg/kg	5.0	356.0 J (0.018)
Thallium, total, mg/kg	0.01	< 0.78 UJ (0.004)
Tin, total, mg/kg	N/R	< 4.43 U (0.017)
Vanadium, total, mg/kg	0.05	4.9 J (0.003)
Zinc, total, mg/kg	0.02	46.7 J (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-7

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, total, mg/kg	0.2	5400.0 A (0.015)
Antimony, total, mg/kg	0.06	375.0 J (0.017)
Arsenic, total, mg/kg	0.01	1580.0 J (0.002)
Barium, total, mg/kg	0.2	462.0 J (0.001)
Beryllium, total, mg/kg	0.005	0.89 A (0.001)
Cadmium, total, mg/kg	0.005	< 0.89 U (0.003)
Calcium, total, mg/kg	5.0	1160.0 J (0.014)
Chromium, total, mg/kg	0.01	331.0 A (0.003)
Cobalt, total, mg/kg	0.05	11.9 J (0.003)
Copper, total, mg/kg	0.025	216.0 J (0.003)
Iron, total, mg/kg	0.1	44100.0 A (0.003)
Lead, total, mg/kg	0.005	4210.0 J (0.002)
Magnesium, total, mg/kg	5.0	513.0 A (0.023)
Manganese, total, mg/kg	0.015	140.0 J (0.001)
Mercury, total, ug/kg	0.2	9500.0 A (0.2)
Nickel, total, mg/kg	0.04	9.0 A (0.024)
Potassium, total, mg/kg	5.0	419.0 A (0.428)
Selenium, total, mg/kg	0.005	10.7 A (0.002)
Silver, total, mg/kg	0.01	13.6 J (0.002)
Sodium, total, mg/kg	5.0	240.0 J (0.018)
Thallium, total, mg/kg	0.01	38.4 A (0.004)
Tin, total, mg/kg	N/R	221.0 J (0.017)
Vanadium, total, mg/kg	0.05	15.8 J (0.003)
Zinc, total, mg/kg	0.02	384.0 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-8

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/03/90	08/03/90 Replicate
Aluminum, total, mg/kg	0.2	3480.0 A (0.015)	3380.0 A (0.015)
Antimony, total, mg/kg	0.06	< 5.7 R (0.017)	6.2 J (0.017)
Arsenic, total, mg/kg	0.01	2.6 J (0.002)	2.7 J (0.002)
Barium, total, mg/kg	0.2	6.9 J (0.001)	8.2 J (0.001)
Beryllium, total, mg/kg	0.005	< 0.3 U (0.001)	< 0.28 U (0.001)
Cadmium, total, mg/kg	0.005	< 0.91 U (0.003)	< 0.83 U (0.003)
Calcium, total, mg/kg	5.0	712.0 J (0.014)	663.0 J (0.014)
Chromium, total, mg/kg	0.01	7.6 J (0.003)	6.3 J (0.003)
Cobalt, total, mg/kg	0.05	1.6 J (0.003)	1.3 A (0.003)
Copper, total, mg/kg	0.025	13.2 J (0.003)	10.2 J (0.003)
Iron, total, mg/kg	0.1	4950.0 A (0.003)	4340.0 A (0.003)
Lead, total, mg/kg	0.005	5.3 J (0.002)	6.6 J (0.002)
Magnesium, total, mg/kg	5.0	1320.0 A (0.023)	1310.0 J (0.023)
Manganese, total, mg/kg	0.015	54.2 A (0.001)	44.3 A (0.001)
Mercury, total, ug/kg	0.2	< 200.0 U (0.2)	< 100.0 U (0.2)
Nickel, total, mg/kg	0.04	< 7.2 U (0.024)	< 6.6 U (0.024)
Potassium, total, mg/kg	5.0	366.0 A (0.428)	372.0 A (0.428)
Selenium, total, mg/kg	0.005	< 0.61 U (0.002)	< 0.55 U (0.002)
Silver, total, mg/kg	0.01	< 0.6 UJ (0.002)	< 0.55 UJ (0.002)
Sodium, total, mg/kg	5.0	134.0 J (0.018)	133.0 J (0.018)
Thallium, total, mg/kg	0.01	< 0.91 UJ (0.004)	< 0.83 UJ (0.004)
Tin, total, mg/kg	N/R	11.9 J (0.017)	23.6 J (0.017)
Vanadium, total, mg/kg	0.05	7.9 J (0.003)	7.6 J (0.003)
Zinc, total, mg/kg	0.02	15.2 J (0.006)	17.1 J (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-9

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, total, mg/kg	0.2	15800.0 A (0.015)
Antimony, total, mg/kg	0.06	41.5 J (0.017)
Arsenic, total, mg/kg	0.01	9830.0 A (0.002)
Barium, total, mg/kg	0.2	171.0 J (0.001)
Beryllium, total, mg/kg	0.005	3.7 J (0.001)
Cadmium, total, mg/kg	0.005	51.5 A (0.003)
Calcium, total, mg/kg	5.0	14900.0 A (0.014)
Chromium, total, mg/kg	0.01	1090.0 A (0.003)
Cobalt, total, mg/kg	0.05	27.8 J (0.003)
Copper, total, mg/kg	0.025	1160.0 J (0.003)
Iron, total, mg/kg	0.1	112000.0 A (0.003)
Lead, total, mg/kg	0.005	611.0 J (0.002)
Magnesium, total, mg/kg	5.0	4880.0 J (0.023)
Manganese, total, mg/kg	0.015	1150.0 A (0.001)
Mercury, total, ug/kg	0.2	1900.0 A (0.2)
Nickel, total, mg/kg	0.04	< 48.0 U (0.024)
Potassium, total, mg/kg	5.0	2040.0 J (0.428)
Selenium, total, mg/kg	0.005	10.9 A (0.002)
Silver, total, mg/kg	0.01	6.4 J (0.002)
Sodium, total, mg/kg	5.0	12700.0 J (0.018)
Thallium, total, mg/kg	0.01	< 6.3 U (0.004)
Tin, total, mg/kg	N/R	1230.0 J (0.017)
Vanadium, total, mg/kg	0.05	79.1 A (0.003)
Zinc, total, mg/kg	0.02	7940.0 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-10

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, total, mg/kg	0.2	4390.0 A (0.015)
Antimony, total, mg/kg	0.06	16.4 J (0.017)
Arsenic, total, mg/kg	0.01	170.0 J (0.002)
Barium, total, mg/kg	0.2	25.9 J (0.001)
Beryllium, total, mg/kg	0.005	< 0.26 U (0.001)
Cadmium, total, mg/kg	0.005	2.2 A (0.003)
Calcium, total, mg/kg	5.0	1460.0 J (0.014)
Chromium, total, mg/kg	0.01	32.1 A (0.003)
Cobalt, total, mg/kg	0.05	5.9 J (0.003)
Copper, total, mg/kg	0.025	79.2 J (0.003)
Iron, total, mg/kg	0.1	34200.0 A (0.003)
Lead, total, mg/kg	0.005	315.0 J (0.002)
Magnesium, total, mg/kg	5.0	2330.0 A (0.023)
Manganese, total, mg/kg	0.015	183.0 J (0.001)
Mercury, total, ug/kg	0.2	< 100.0 U (0.2)
Nickel, total, mg/kg	0.04	< 6.1 U (0.024)
Potassium, total, mg/kg	5.0	713.0 J (0.428)
Selenium, total, mg/kg	0.005	< 0.53 U (0.002)
Silver, total, mg/kg	0.01	< 0.51 UJ (0.002)
Sodium, total, mg/kg	5.0	84.0 J (0.018)
Thallium, total, mg/kg	0.01	< 0.8 UJ (0.004)
Tin, total, mg/kg	N/R	16.8 J (0.017)
Vanadium, total, mg/kg	0.05	15.2 J (0.003)
Zinc, total, mg/kg	0.02	223.0 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-11

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	07/31/90
Aluminum, total, mg/kg	0.2	14700.0 A (0.015)
Antimony, total, mg/kg	0.06	< 20.6 R (0.017)
Arsenic, total, mg/kg	0.01	1750.0 J (0.002)
Barium, total, mg/kg	0.2	122.0 J (0.001)
Beryllium, total, mg/kg	0.005	1.8 J (0.001)
Cadmium, total, mg/kg	0.005	27.4 J (0.003)
Calcium, total, mg/kg	5.0	8220.0 A (0.014)
Chromium, total, mg/kg	0.01	529.0 A (0.003)
Cobalt, total, mg/kg	0.05	41.9 J (0.003)
Copper, total, mg/kg	0.025	523.0 J (0.003)
Iron, total, mg/kg	0.1	94100.0 A (0.003)
Lead, total, mg/kg	0.005	320.0 J (0.002)
Magnesium, total, mg/kg	5.0	3270.0 J (0.023)
Manganese, total, mg/kg	0.015	763.0 J (0.001)
Mercury, total, ug/kg	0.2	1700.0 A (0.2)
Nickel, total, mg/kg	0.04	44.8 A (0.024)
Potassium, total, mg/kg	5.0	1290.0 J (0.428)
Selenium, total, mg/kg	0.005	7.8 A (0.002)
Silver, total, mg/kg	0.01	< 2.2 UJ (0.002)
Sodium, total, mg/kg	5.0	1610.0 J (0.018)
Thallium, total, mg/kg	0.01	< 3.6 UJ (0.004)
Tin, total, mg/kg	N/R	30.0 J (0.017)
Vanadium, total, mg/kg	0.05	47.0 J (0.003)
Zinc, total, mg/kg	0.02	5980.0 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-12

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/kg	0.2	3340.0 A (0.015)
Antimony, total, mg/kg	0.06	< 5.7 R (0.017)
Arsenic, total, mg/kg	0.01	9.4 J (0.002)
Barium, total, mg/kg	0.2	15.1 J (0.001)
Beryllium, total, mg/kg	0.005	< 0.3 U (0.001)
Cadmium, total, mg/kg	0.005	< 3.3 U (0.003)
Calcium, total, mg/kg	5.0	947.0 J (0.014)
Chromium, total, mg/kg	0.01	18.6 A (0.003)
Cobalt, total, mg/kg	0.05	1.5 A (0.003)
Copper, total, mg/kg	0.025	27.3 J (0.003)
Iron, total, mg/kg	0.1	6900.0 A (0.003)
Lead, total, mg/kg	0.005	41.0 J (0.002)
Magnesium, total, mg/kg	5.0	1640.0 J (0.023)
Manganese, total, mg/kg	0.015	92.7 A (0.001)
Mercury, total, ug/kg	0.2	< 100.0 U (0.2)
Nickel, total, mg/kg	0.04	< 7.2 U (0.024)
Potassium, total, mg/kg	5.0	584.0 J (0.428)
Selenium, total, mg/kg	0.005	< 0.57 U (0.002)
Silver, total, mg/kg	0.01	< 0.6 UJ (0.002)
Sodium, total, mg/kg	5.0	< 5.4 U (0.018)
Thallium, total, mg/kg	0.01	< 0.85 UJ (0.004)
Tin, total, mg/kg	N/R	9.6 J (0.017)
Vanadium, total, mg/kg	0.05	10.1 J (0.003)
Zinc, total, mg/kg	0.02	47.7 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-13

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	07/31/90
Aluminum, total, mg/kg	0.2	6380.0 A (0.015)
Antimony, total, mg/kg	0.06	< 20.7 R (0.017)
Arsenic, total, mg/kg	0.01	1330.0 J (0.002)
Barium, total, mg/kg	0.2	64.0 J (0.001)
Beryllium, total, mg/kg	0.005	1.2 J (0.001)
Cadmium, total, mg/kg	0.005	14.1 A (0.003)
Calcium, total, mg/kg	5.0	4330.0 J (0.014)
Chromium, total, mg/kg	0.01	382.0 A (0.003)
Cobalt, total, mg/kg	0.05	14.4 J (0.003)
Copper, total, mg/kg	0.025	287.0 J (0.003)
Iron, total, mg/kg	0.1	55100.0 A (0.003)
Lead, total, mg/kg	0.005	275.0 J (0.002)
Magnesium, total, mg/kg	5.0	1190.0 J (0.023)
Manganese, total, mg/kg	0.015	488.0 A (0.001)
Mercury, total, ug/kg	0.2	1000.0 A (0.2)
Nickel, total, mg/kg	0.04	< 26.1 U (0.024)
Potassium, total, mg/kg	5.0	1040.0 J (0.428)
Selenium, total, mg/kg	0.005	6.0 A (0.002)
Silver, total, mg/kg	0.01	2.7 J (0.002)
Sodium, total, mg/kg	5.0	817.0 J (0.018)
Thallium, total, mg/kg	0.01	< 3.3 UJ (0.004)
Tin, total, mg/kg	N/R	50.4 J (0.017)
Vanadium, total, mg/kg	0.05	30.4 J (0.003)
Zinc, total, mg/kg	0.02	2580.0 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-14

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	07/31/90
Aluminum, total, mg/kg	0.2	3480.0 A (0.015)
Antimony, total, mg/kg	0.06	< 4.6 R (0.017)
Arsenic, total, mg/kg	0.01	20.6 J (0.002)
Barium, total, mg/kg	0.2	11.3 J (0.001)
Beryllium, total, mg/kg	0.005	0.26 A (0.001)
Cadmium, total, mg/kg	0.005	< 0.73 U (0.003)
Calcium, total, mg/kg	5.0	835.0 J (0.014)
Chromium, total, mg/kg	0.01	13.5 A (0.003)
Cobalt, total, mg/kg	0.05	3.7 J (0.003)
Copper, total, mg/kg	0.025	16.6 J (0.003)
Iron, total, mg/kg	0.1	7080.0 A (0.003)
Lead, total, mg/kg	0.005	7.3 J (0.002)
Magnesium, total, mg/kg	5.0	1610.0 J (0.023)
Manganese, total, mg/kg	0.015	158.0 A (0.001)
Mercury, total, ug/kg	0.2	< 300.0 U (0.2)
Nickel, total, mg/kg	0.04	< 5.9 U (0.024)
Potassium, total, mg/kg	5.0	575.0 J (0.428)
Selenium, total, mg/kg	0.005	< 0.51 U (0.002)
Silver, total, mg/kg	0.01	< 0.49 UJ (0.002)
Sodium, total, mg/kg	5.0	< 290.0 U (0.018)
Thallium, total, mg/kg	0.01	< 0.77 UJ (0.004)
Tin, total, mg/kg	N/R	8.48 J (0.017)
Vanadium, total, mg/kg	0.05	9.0 J (0.003)
Zinc, total, mg/kg	0.02	76.1 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-15

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/01/90
Aluminum, total, mg/kg	0.2	5160.0 A (0.015)
Antimony, total, mg/kg	0.06	19.8 J (0.017)
Arsenic, total, mg/kg	0.01	511.0 J (0.002)
Barium, total, mg/kg	0.2	111.0 J (0.001)
Beryllium, total, mg/kg	0.005	< 2.0 U (0.001)
Cadmium, total, mg/kg	0.005	2.3 J (0.003)
Calcium, total, mg/kg	5.0	3120.0 J (0.014)
Chromium, total, mg/kg	0.01	118.0 A (0.003)
Cobalt, total, mg/kg	0.05	13.1 J (0.003)
Copper, total, mg/kg	0.025	171.0 J (0.003)
Iron, total, mg/kg	0.1	37400.0 A (0.003)
Lead, total, mg/kg	0.005	346.0 J (0.002)
Magnesium, total, mg/kg	5.0	950.0 J (0.023)
Manganese, total, mg/kg	0.015	807.0 J (0.001)
Mercury, total, ug/kg	0.2	300.0 A (0.2)
Nickel, total, mg/kg	0.04	11.2 A (0.024)
Potassium, total, mg/kg	5.0	429.0 J (0.428)
Selenium, total, mg/kg	0.005	0.86 A (0.002)
Silver, total, mg/kg	0.01	< 3.9 UJ (0.002)
Sodium, total, mg/kg	5.0	312.0 J (0.018)
Thallium, total, mg/kg	0.01	< 0.86 UJ (0.004)
Tin, total, mg/kg	N/R	157.0 J (0.017)
Vanadium, total, mg/kg	0.05	12.9 J (0.003)
Zinc, total, mg/kg	0.02	437.0 A (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-16

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/kg	0.2	10300.0 A (0.015)
Antimony, total, mg/kg	0.06	< 15.8 R (0.017)
Arsenic, total, mg/kg	0.01	928.0 J (0.002)
Barium, total, mg/kg	0.2	175.0 J (0.001)
Beryllium, total, mg/kg	0.005	1.1 J (0.001)
Cadmium, total, mg/kg	0.005	23.4 J (0.003)
Calcium, total, mg/kg	5.0	10300.0 A (0.014)
Chromium, total, mg/kg	0.01	140.0 A (0.003)
Cobalt, total, mg/kg	0.05	35.9 J (0.003)
Copper, total, mg/kg	0.025	357.0 J (0.003)
Iron, total, mg/kg	0.1	87500.0 A (0.003)
Lead, total, mg/kg	0.005	354.0 J (0.002)
Magnesium, total, mg/kg	5.0	4610.0 J (0.023)
Manganese, total, mg/kg	0.015	575.0 J (0.001)
Mercury, total, ug/kg	0.2	< 400.0 U (0.2)
Nickel, total, mg/kg	0.04	26.9 J (0.024)
Potassium, total, mg/kg	5.0	801.0 J (0.428)
Selenium, total, mg/kg	0.005	41.4 A (0.002)
Silver, total, mg/kg	0.01	< 1.7 UJ (0.002)
Sodium, total, mg/kg	5.0	69.6 J (0.018)
Thallium, total, mg/kg	0.01	< 2.7 UJ (0.004)
Tin, total, mg/kg	N/R	24.9 J (0.017)
Vanadium, total, mg/kg	0.05	159.0 J (0.003)
Zinc, total, mg/kg	0.02	1600.0 J (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-17

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/02/90
Aluminum, total, mg/kg	0.2	4890.0 A (0.015)
Antimony, total, mg/kg	0.06	< 5.3 R (0.017)
Arsenic, total, mg/kg	0.01	58.6 J (0.002)
Barium, total, mg/kg	0.2	438.0 J (0.001)
Beryllium, total, mg/kg	0.005	< 0.28 U (0.001)
Cadmium, total, mg/kg	0.005	3.5 J (0.003)
Calcium, total, mg/kg	5.0	1990.0 J (0.014)
Chromium, total, mg/kg	0.01	100.0 A (0.003)
Cobalt, total, mg/kg	0.05	4.2 J (0.003)
Copper, total, mg/kg	0.025	71.8 J (0.003)
Iron, total, mg/kg	0.1	25800.0 A (0.003)
Lead, total, mg/kg	0.005	116.0 J (0.002)
Magnesium, total, mg/kg	5.0	2520.0 J (0.023)
Manganese, total, mg/kg	0.015	189.0 J (0.001)
Mercury, total, ug/kg	0.2	< 100.0 U (0.2)
Nickel, total, mg/kg	0.04	< 6.7 U (0.024)
Potassium, total, mg/kg	5.0	441.0 J (0.428)
Selenium, total, mg/kg	0.005	< 0.57 U (0.002)
Silver, total, mg/kg	0.01	< 0.56 UJ (0.002)
Sodium, total, mg/kg	5.0	8.7 J (0.018)
Thallium, total, mg/kg	0.01	< 0.86 UJ (0.004)
Tin, total, mg/kg	N/R	5.7 J (0.017)
Vanadium, total, mg/kg	0.05	16.5 J (0.003)
Zinc, total, mg/kg	0.02	150.0 J (0.006)

Explanation

CRDL Contract Required Detection Limit (reported in aqueous units of mg/L or ug/L)

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Split Spoon Soil Sample: CORE-1 Date Sampled: 03/07/90

Chemical Compound Class: Total Metals

Chemical Parameter	Sample Interval Top: 0.2 ft Sample Interval Bottom: 0.5 ft	0.5 ft 0.9 ft	CRDL
Aluminum, total, mg/kg	3400.0 A (0.015)	2500.0 A (0.015)	0.2
Antimony, total, mg/kg	< 4.5 R (0.017)	< 4.3 R (0.017)	0.06
Arsenic, total, mg/kg	9.9 J (0.002)	0.71 A (0.002)	0.01
Barium, total, mg/kg	7.8 J (0.001)	7.6 J (0.001)	0.2
Beryllium, total, mg/kg	< 0.24 U (0.001)	0.44 A (0.001)	0.005
Cadmium, total, mg/kg	< 0.71 U (0.003)	< 0.69 U (0.003)	0.005
Calcium, total, mg/kg	655.0 J (0.014)	786.0 J (0.014)	5.0
Chromium, total, mg/kg	13.9 A (0.003)	22.3 A (0.003)	0.01
Cobalt, total, mg/kg	2.6 A (0.003)	2.2 A (0.003)	0.05
Copper, total, mg/kg	18.6 J (0.003)	30.7 A (0.003)	0.025
Iron, total, mg/kg	6640.0 A (0.003)	4180.0 A (0.003)	0.1
Lead, total, mg/kg	5.7 A (0.002)	5.3 A (0.002)	0.005
Magnesium, total, mg/kg	1620.0 J (0.023)	938.0 J (0.023)	5.0
Manganese, total, mg/kg	84.3 A (0.001)	55.7 A (0.001)	0.015
Mercury, total, ug/kg	< 100.0 U (0.2)	< 100.0 U (0.2)	0.2
Nickel, total, mg/kg	< 5.6 U (0.024)	6.2 A (0.024)	0.04
Potassium, total, mg/kg	497.0 J (0.428)	341.0 A (0.428)	5.0
Selenium, total, mg/kg	< 0.5 U (0.002)	< 0.49 U (0.002)	0.005
Silver, total, mg/kg	< 0.47 UJ (0.002)	< 0.46 UJ (0.002)	0.01
Sodium, total, mg/kg	66.2 J (0.018)	64.2 J (0.018)	5.0
Thallium, total, mg/kg	< 0.75 UJ (0.004)	< 0.74 UJ (0.004)	0.01
Tin, total, mg/kg	9.3 A (0.017)	239.0 A (0.017)	N/R
Vanadium, total, mg/kg	8.9 J (0.003)	5.5 J (0.003)	0.05
Zinc, total, mg/kg	62.6 J (0.006)	109.0 J (0.006)	0.02

Explanation

CRDL Contract Required Detection Limit (reported on aqueous units of mg/L or ug/L)

\- Not Analyzed

Validation Code

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the split spoon soil sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-1

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/03/90
Arsenic (III), total, mg/kg	< 0.08 R (0.005)
Arsenic (V), total, mg/kg	1.6 J (0.005)
Chromium, hexavalent, total, mg/kg	< 1.3 UJ (0.6)
Chromium, trivalent, total, mg/kg	28.6 J (N/R)
Lead (II), total, mg/kg	< 16.0 U (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	< 1.8 U (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/03/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-2

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/03/90
Arsenic (III), total, mg/kg	1.6 J (0.005)
Arsenic (V), total, mg/kg	46.0 J (0.005)
Chromium, hexavalent, total, mg/kg	< 1.3 UJ (0.6)
Chromium, trivalent, total, mg/kg	546.0 J (N/R)
Lead (II), total, mg/kg	< 18.0 U (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	< 1.8 U (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/03/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-3

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/03/90
Arsenic (III), total, mg/kg	0.095 J (0.005)
Arsenic (V), total, mg/kg	2.8 J (0.005)
Chromium, hexavalent, total, mg/kg	< 1.6 UJ (0.6)
Chromium, trivalent, total, mg/kg	30.4 J (N/R)
Lead (II), total, mg/kg	< 16.0 U (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	< 1.8 U (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/03/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-4

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/kg	< 0.097 R (0.005)
Arsenic (V), total, mg/kg	2.3 J (0.005)
Chromium, hexavalent, total, mg/kg	< 0.6 UJ (0.6)
Chromium, trivalent, total, mg/kg	27.3 J (N/R)
Lead (II), total, mg/kg	< 15.0 UJ (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	< 38.0 U (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.5 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-5

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/kg	0.16 J (0.005)
Arsenic (V), total, mg/kg	8.6 J (0.005)
Chromium, hexavalent, total, mg/kg	< 1.3 UJ (0.6)
Chromium, trivalent, total, mg/kg	22.2 J (N/R)
Lead (II), total, mg/kg	< 14.0 UJ (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	44.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/kg	< 10.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.5 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-6

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/kg	1.7 J (0.005)
Arsenic (V), total, mg/kg	5.3 J (0.005)
Chromium, hexavalent, total, mg/kg	< 5.2 UJ (0.6)
Chromium, trivalent, total, mg/kg	95.4 J (N/R)
Lead (II), total, mg/kg	< 15.0 UJ (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	46.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.5 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-7

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/01/90
Arsenic (III), total, mg/kg	15.0 J (0.005)
Arsenic (V), total, mg/kg	520.0 J (0.005)
Chromium, hexavalent, total, mg/kg	< 1.7 UJ (0.6)
Chromium, trivalent, total, mg/kg	331.0 J (N/R)
Lead (II), total, mg/kg	70.0 A (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	2900.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/01/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-8

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/03/90	08/03/90 Replicate
Arsenic (III), total, mg/kg	< 0.097 R (0.005)	< 0.092 R (0.005)
Arsenic (V), total, mg/kg	0.75 J (0.005)	0.73 J (0.005)
Chromium, hexavalent, total, mg/kg	< 0.64 UJ (0.6)	< 0.64 UJ (0.6)
Chromium, trivalent, total, mg/kg	7.6 J (N/R)	6.3 J (N/R)
Lead (II), total, mg/kg	< 18.0 U (0.61)	< 19.0 U (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)	< 45.0 U (45.0)
Mercury (II), total, ug/kg	< 1.8 U (1.8)	< 1.8 U (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/03/90	08/03/90 Replicate
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-9

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/01/90
Arsenic (III), total, mg/kg	11.0 J (0.005)
Arsenic (V), total, mg/kg	110.0 J (0.005)
Chromium, hexavalent, total, mg/kg	< 7.8 UJ (0.6)
Chromium, trivalent, total, mg/kg	1090.0 J (N/R)
Lead (II), total, mg/kg	< 16.0 U (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	120.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/01/90
Ethyl mercury, total, ug/kg	< 130.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-10

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/01/90
Arsenic (III), total, mg/kg	0.48 J (0.005)
Arsenic (V), total, mg/kg	23.0 J (0.005)
Chromium, hexavalent, total, mg/kg	< 0.62 UJ (0.6)
Chromium, trivalent, total, mg/kg	32.1 J (N/R)
Lead (II), total, mg/kg	< 10.0 U (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	65.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/01/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-11

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	07/31/90
Arsenic (III), total, mg/kg	10.0 J (0.005)
Arsenic (V), total, mg/kg	120.0 J (0.005)
Chromium, hexavalent, total, mg/kg	< 6.6 UJ (0.6)
Chromium, trivalent, total, mg/kg	529.0 J (N/R)
Lead (II), total, mg/kg	< 15.0 U (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	32.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	07/31/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-12

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/kg	< 0.099 R (0.005)
Arsenic (V), total, mg/kg	3.9 J (0.005)
Chromium, hexavalent, total, mg/kg	< 0.63 UJ (0.6)
Chromium, trivalent, total, mg/kg	18.6 J (N/R)
Lead (II), total, mg/kg	< 18.0 UJ (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	78.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.5 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-13

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	07/31/90
Arsenic (III), total, mg/kg	6.5 J (0.005)
Arsenic (V), total, mg/kg	100.0 J (0.005)
Chromium, hexavalent, total, mg/kg	< 4.4 UJ (0.6)
Chromium, trivalent, total, mg/kg	382.0 J (N/R)
Lead (II), total, mg/kg	< 15.0 U (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	160.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	07/31/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-14

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	07/31/90
Arsenic (III), total, mg/kg	0.63 J (0.005)
Arsenic (V), total, mg/kg	17.0 J (0.005)
Chromium, hexavalent, total, mg/kg	< 1.2 UJ (0.6)
Chromium, trivalent, total, mg/kg	13.5 J (N/R)
Lead (II), total, mg/kg	< 15.0 U (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	50.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	07/31/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-15

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/01/90
Arsenic (III), total, mg/kg	1.5 J (0.005)
Arsenic (V), total, mg/kg	46.0 J (0.005)
Chromium, hexavalent, total, mg/kg	< 0.71 UJ (0.6)
Chromium, trivalent, total, mg/kg	118.0 J (N/R)
Lead (II), total, mg/kg	< 17.0 U (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	220.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/01/90
Ethyl mercury, total, ug/kg	< 50.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.05 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-16

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/kg	5.0 J (0.005)
Arsenic (V), total, mg/kg	110.0 J (0.005)
Chromium, hexavalent, total, mg/kg	< 4.7 UJ (0.6)
Chromium, trivalent, total, mg/kg	140.0 J (N/R)
Lead (II), total, mg/kg	< 17.0 UJ (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	150.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/kg	< 400.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.5 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-17

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	08/02/90
Arsenic (III), total, mg/kg	1.8 J (0.005)
Arsenic (V), total, mg/kg	42.0 J (0.005)
Chromium, hexavalent, total, mg/kg	< 1.3 UJ (0.6)
Chromium, trivalent, total, mg/kg	100.0 J (N/R)
Lead (II), total, mg/kg	< 14.0 UJ (0.61)
Mercury (o), total, ug/kg	< 45.0 U (45.0)
Mercury (II), total, ug/kg	47.0 A (1.8)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	08/02/90
Ethyl mercury, total, ug/kg	< 300.0 R (50.0)
Di-methyl tin, total, mg/kg	< 1.0 UJ (1.0)
Mono-methyl tin, total, mg/kg	< 0.5 UJ (0.05)
Tri-methyl tin, total, mg/kg	< 1.0 U (1.0)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-1

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/03/90
Carbonate as $CaCO_3$, mg/kg	< 6.4 U (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/03/90
Iron oxide, mg/kg	420.0 J (0.04)
Manganese oxide, mg/kg	19.0 J (0.01)
Total organic carbon, % Carbon	0.64 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/03/90
eH, field, mvolts	-229.4 F (N/R)
pH, laboratory, s.u.	7.0 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-2

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/03/90
Carbonate as $CaCO_3$, mg/kg	< 6.7 U (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/03/90
Iron oxide, mg/kg	1400.0 J (0.04)
Manganese oxide, mg/kg	5.0 J (0.01)
Total organic carbon, % Carbon	0.47 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/03/90
eH, field, mvolts	-187.9 F (N/R)
pH, laboratory, s.u.	6.4 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

Appendix C

Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-3

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/03/90
Carbonate as $CaCO_3$, mg/kg	< 8.2 U (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/03/90
Iron oxide, mg/kg	2700.0 J (0.04)
Manganese oxide, mg/kg	< 1.0 U (0.01)
Total organic carbon, % Carbon	0.91 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/03/90
eH, field, mvolts	105.4 F (N/R)
pH, laboratory, s.u.	5.8 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-4

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/02/90
Carbonate as $CaCO_3$, mg/kg	< 6.0 U (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/02/90
Iron oxide, mg/kg	460.0 J (0.04)
Manganese oxide, mg/kg	45.0 J (0.01)
Total organic carbon, % Carbon	< 11.5 U (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
eH, field, mvolts	132.6 F (N/R)
pH, laboratory, s.u.	7.5 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-5

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/02/90
Carbonate as $CaCO_3$, mg/kg	< 6.5 UJ (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/02/90
Iron oxide, mg/kg	440.0 J (0.04)
Manganese oxide, mg/kg	41.0 J (0.01)
Total organic carbon, % Carbon	< 11.5 U (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
eH, field, mvolts	20.5 F (N/R)
pH, laboratory, s.u.	6.9 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-6

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/02/90
Carbonate as $CaCO_3$, mg/kg	< 25.8 UJ (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/02/90
Iron oxide, mg/kg	20000.0 J (0.04)
Manganese oxide, mg/kg	170.0 J (0.01)
Total organic carbon, % Carbon	14.6 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
eH, field, mvolts	-244.9 F (N/R)
pH, laboratory, s.u.	7.9 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-7

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/01/90
Carbonate as $CaCO_3$, mg/kg	< 1.7 UJ (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/01/90
Iron oxide, mg/kg	2800.0 J (0.04)
Manganese oxide, mg/kg	36.0 J (0.01)
Total organic carbon, % Carbon	1.2 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/01/90
eH, field, mvolts	-4.5 F (N/R)
pH, laboratory, s.u.	6.7 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-8

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/03/90	08/03/90 Replicate
Carbonate as $CaCO_3$, mg/kg	< 6.4 U (6.0)	< 6.4 U (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/03/90	08/03/90 Replicate
Iron oxide, mg/kg	200.0 J (0.04)	200.0 J (0.04)
Manganese oxide, mg/kg	6.0 J (0.01)	3.0 J (0.01)
Total organic carbon, % Carbon	0.15 A (0.01)	0.4 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/03/90	08/03/90 Replicate
eH, field, mvolts	344.1 F (N/R)	-
pH, laboratory, s.u.	6.0 A (N/R)	5.8 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-9

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/01/90
Carbonate as $CaCO_3$, mg/kg	< 39.1 UJ (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/01/90
Iron oxide, mg/kg	7900.0 J (0.04)
Manganese oxide, mg/kg	93.0 J (0.01)
Total organic carbon, % Carbon	20.2 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/01/90
eH, field, mvolts	-242.9 F (N/R)
pH, laboratory, s.u.	7.4 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-10

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/01/90
Carbonate as $CaCO_3$, mg/kg	< 1.2 UJ (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/01/90
Iron oxide, mg/kg	950.0 J (0.04)
Manganese oxide, mg/kg	83.0 J (0.01)
Total organic carbon, % Carbon	0.23 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/01/90
eH, field, mvolts	126.4 F (N/R)
pH, laboratory, s.u.	7.1 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-11

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	07/31/90
Carbonate as $CaCO_3$, mg/kg	< 32.9 U (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	07/31/90
Iron oxide, mg/kg	14000.0 J (0.04)
Manganese oxide, mg/kg	140.0 J (0.01)
Total organic carbon, % Carbon	15.8 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	07/31/90
eH, field, mvolts	-207.7 F (N/R)
pH, laboratory, s.u.	7.0 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-12

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/02/90
Carbonate as $CaCO_3$, mg/kg	< 6.3 UJ (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/02/90
Iron oxide, mg/kg	500.0 J (0.04)
Manganese oxide, mg/kg	10.0 J (0.01)
Total organic carbon, % Carbon	< 11.5 U (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
eH, field, mvolts	38.7 F (N/R)
pH, laboratory, s.u.	6.8 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-13

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	07/31/90
Carbonate as $CaCO_3$, mg/kg	< 21.9 U (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	07/31/90
Iron oxide, mg/kg	12000.0 J (0.04)
Manganese oxide, mg/kg	24.0 J (0.01)
Total organic carbon, % Carbon	9.9 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	07/31/90
eH, field, mvolts	-208.1 F (N/R)
pH, laboratory, s.u.	7.1 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-14

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	07/31/90
Carbonate as $CaCO_3$, mg/kg	< 6.1 U (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	07/31/90
Iron oxide, mg/kg	1000.0 J (0.04)
Manganese oxide, mg/kg	71.0 J (0.01)
Total organic carbon, % Carbon	0.17 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	07/31/90
eH, field, mvolts	-27.1 F (N/R)
pH, laboratory, s.u.	6.9 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-15

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/01/90
Carbonate as $CaCO_3$, mg/kg	< 7.1 U (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/01/90
Iron oxide, mg/kg	6400.0 J (0.04)
Manganese oxide, mg/kg	1200.0 J (0.01)
Total organic carbon, % Carbon	0.65 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/01/90
eH, field, mvolts	202.4 F (N/R)
pH, laboratory, s.u.	7.3 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-16

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/02/90
Carbonate as $CaCO_3$, mg/kg	< 23.6 UJ (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/02/90
Iron oxide, mg/kg	19000.0 J (0.04)
Manganese oxide, mg/kg	61.0 J (0.01)
Total organic carbon, % Carbon	23.0 A (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
eH, field, mvolts	-196.4 F (N/R)
pH, laboratory, s.u.	6.7 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Stream Sediment Station: SED-17

Chemical Compound Class: Nonmetallic Inorganic Compounds

Chemical Parameter	08/02/90
Carbonate as $CaCO_3$, mg/kg	< 6.3 UJ (6.0)

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	08/02/90
Iron oxide, mg/kg	4000.0 J (0.04)
Manganese oxide, mg/kg	47.0 J (0.01)
Total organic carbon, % Carbon	< 11.5 U (0.01)

Chemical Compound Class: Physical Measurements

Chemical Parameter	08/02/90
eH, field, mvolts	-181.3 F (N/R)
pH, laboratory, s.u.	7.5 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the stream sediment sample

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Section 4. Summary of Stream Sediment Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Split Spoon Soil Sample: CORE-1 Date Sampled: 03/07/90

Chemical Compound Class: Total Speciated Metals

Sample Interval Top:	0.5 ft
Sample Interval Bottom:	0.9 ft
Chemical Parameter	
Chromium, hexavalent, total, mg/kg	< 0.6 UJ (0.6)

Chemical Compound Class: Nonmetallic Inorganic Compounds

Sample Interval Top:	0.5 ft
Sample Interval Bottom:	0.9 ft
Chemical Parameter	
Carbonate as $CaCO_3$, mg/kg	< 6.0 U (6.0)

Chemical Compound Class: Miscellaneous Compounds

Sample Interval Top:	0.5 ft
Sample Interval Bottom:	0.9 ft
Chemical Parameter	
Total organic carbon, % Carbon	0.2 A (0.01)

Chemical Compound Class: Physical Measurements

Sample Interval Top:	0.5 ft
Sample Interval Bottom:	0.9 ft
Chemical Parameter	
eH, field, mvolts	58.9 F (N/R)
pH, laboratory, s.u.	5.6 A (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Code

A Quantitative Data

F Field Parameter

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Values in parentheses are the Instrument Detection Limits (mg/L or ug/L) for the aqueous extract of the split spoon soil sample

APPENDIX C

Data Summaries and Statistical Analyses

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

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Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	04/25/90
Acetone, ug/L	10.0	< 150.0 UJ
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	2.0 J
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	78.0 A
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	1.0 J
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	< 100.0 R
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	2.0 J
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	21.0 A
1,1,1-Trichloroethane, ug/L	5.0	1.0 J
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	3.0 J

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	04/24/90
Acetone, ug/L	10.0	160.0 R
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	5.0 A
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	< 100.0 R
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 UJ
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 UJ

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	04/26/90	04/26/90 Replicate
Acetone, ug/L	10.0	480.0 J	680.0 J
Benzene, ug/L	5.0	< 25.0 U	< 50.0 U
Bromodichloromethane, ug/L	5.0	< 25.0 U	< 50.0 U
Bromoform, ug/L	5.0	< 25.0 U	< 50.0 U
Bromomethane, ug/L	10.0	< 50.0 U	< 100.0 U
2-Butanone, ug/L	10.0	23.0 J	< 100.0 U
Carbon disulfide, ug/L	5.0	< 25.0 U	< 50.0 U
Carbon tetrachloride, ug/L	5.0	< 25.0 U	< 50.0 U
Chlorobenzene, ug/L	5.0	< 25.0 U	< 50.0 U
Chloroethane, ug/L	10.0	< 50.0 U	< 100.0 U
Chloroform, ug/L	5.0	< 25.0 U	< 50.0 U
Chloromethane, ug/L	10.0	< 50.0 U	< 100.0 U
Dibromochloromethane, ug/L	5.0	< 25.0 U	< 50.0 U
1,1-Dichloroethane, ug/L	5.0	< 25.0 U	< 50.0 U
1,2-Dichloroethane, ug/L	5.0	< 25.0 U	< 50.0 U
1,1-Dichloroethene, ug/L	5.0	< 25.0 U	< 50.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 25.0 U	< 50.0 U
1,2-Dichloropropane, ug/L	5.0	17.0 J	< 50.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 25.0 U	< 50.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 25.0 U	< 50.0 U
Ethylbenzene, ug/L	5.0	9.0 J	< 50.0 U
2-Hexanone, ug/L	10.0	< 50.0 U	< 100.0 U
Methylene chloride, ug/L	5.0	320.0 R	< 50.0 R
4-Methyl-2-pentanone, ug/L	10.0	< 50.0 U	< 100.0 U
Styrene, ug/L	5.0	< 25.0 U	< 50.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 25.0 U	< 50.0 U
Tetrachloroethene, ug/L	5.0	9.0 J	< 50.0 U
Toluene, ug/L	5.0	290.0 A	240.0 A
1,1,1-Trichloroethane, ug/L	5.0	17.0 J	12.0 J
1,1,2-Trichloroethane, ug/L	5.0	< 25.0 U	< 50.0 U
Trichloroethene, ug/L	5.0	< 25.0 U	< 50.0 U
Vinyl acetate, ug/L	10.0	< 50.0 U	< 100.0 U
Vinyl chloride, ug/L	10.0	< 50.0 U	< 100.0 U
Xylenes, total, ug/L	5.0	68.0 J	50.0 J

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	04/26/90
Acetone, ug/L	10.0	110.0 J
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U
Chloroform, ug/L	5.0	4.0 J
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U
Methylene chloride, ug/L	5.0	< 5.0 R
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 UJ
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 UJ

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	04/25/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	5.0 J
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	18.0 J
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 U
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	9.0 J
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	04/25/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	04/24/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	23.0 J
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 UJ
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 U
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	20.0 A
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	< 10.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	04/24/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	16.0 A
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 UJ
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	5.0 J
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	04/26/90	04/26/90 Replicate
Acenaphthene, ug/L	10.0	< 10.0 U	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	34.0 J	6.0 J
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	28.0 A	25.0 A
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	7.0 J	5.0 J
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 U	< 20.0 U
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U	< 10.0 U
Diethylphthalate, ug/L	10.0	5.0 J	< 10.0 U
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	4.0 J	4.0 J
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	04/26/90	04/26/90 Replicate
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U	< 50.0 U
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U	< 10.0 U
2-Methylphenol, ug/L	10.0	13.0 A	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	04/26/90
Acenaphthene, ug/L	10.0	< 10.0 U
Acenaphthylene, ug/L	10.0	< 10.0 U
Anthracene, ug/L	10.0	< 10.0 U
Benzo (a) anthracene, ug/L	10.0	< 10.0 U
Benzo (a) pyrene, ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 10.0 U
Benzoic acid, ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 10.0 U
Benzyl alcohol, ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	4.0 J
4-Bromophenyl-phenylether, ug/L	10.0	< 10.0 U
Butylbenzylphthalate, ug/L	10.0	< 10.0 U
4-Chloroaniline, ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 10.0 U
2-Chloronaphthalene, ug/L	10.0	< 10.0 U
2-Chlorophenol, ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 10.0 U
Chrysene, ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 10.0 U
Dibenzofuran, ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 10.0 UJ
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 U
2,4-Dichlorophenol, ug/L	10.0	< 10.0 U
Diethylphthalate, ug/L	10.0	10.0 A
2,4-Dimethylphenol, ug/L	10.0	< 10.0 U
Dimethyl phthalate, ug/L	10.0	< 10.0 U
Di-n-butylphthalate, ug/L	10.0	9.0 J
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 50.0 U
2,4-Dinitrophenol, ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Semi-Volatile Organic Compounds (unfiltered)

Chemical Parameter	CRQL	04/26/90
2,4-Dinitrotoluene, ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 10.0 U
Di-n-octyl phthalate, ug/L	10.0	< 10.0 U
Fluoranthene, ug/L	10.0	< 10.0 U
Fluorene, ug/L	10.0	< 10.0 U
Hexachlorobenzene, ug/L	10.0	< 10.0 U
Hexachlorobutadiene, ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 10.0 U
Hexachloroethane, ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 10.0 U
Isophorone, ug/L	10.0	< 10.0 U
2-Methylnaphthalene, ug/L	10.0	< 10.0 U
2-Methylphenol, ug/L	10.0	< 10.0 U
4-Methylphenol, ug/L	10.0	< 10.0 U
Naphthalene, ug/L	10.0	< 10.0 U
2-Nitroaniline, ug/L	50.0	< 50.0 U
3-Nitroaniline, ug/L	50.0	< 50.0 U
4-Nitroaniline, ug/L	50.0	< 50.0 U
Nitrobenzene, ug/L	10.0	< 10.0 U
2-Nitrophenol, ug/L	10.0	< 10.0 U
4-Nitrophenol, ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 10.0 U
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	< 10.0 U
Pyrene, ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	04/25/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	< 10.0 UJ
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 20.0 UJ
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	< 50.0 UJ
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	04/25/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	17.0 A
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	04/24/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	14.0 J
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 20.0 UJ
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	< 50.0 UJ
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	04/24/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 UJ
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	04/26/90	04/26/90 Replicate
Acenaphthene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	14.0 J	< 10.0 UJ
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 20.0 UJ	< 20.0 UJ
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	< 50.0 UJ	< 50.0 UJ
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	04/26/90	04/26/90 Replicate
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Naphthalene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Phenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
Pyrene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	04/26/90
Acenaphthene (filtered), ug/L	10.0	< 10.0 U
Acenaphthylene (filtered), ug/L	10.0	< 10.0 U
Anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) anthracene (filtered), ug/L	10.0	< 10.0 U
Benzo (a) pyrene (filtered), ug/L	10.0	< 10.0 U
Benzo (b) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzo (g,h,i) perylene (filtered), ug/L	10.0	< 10.0 U
Benzoic acid (filtered), ug/L	50.0	< 50.0 U
Benzo (k) fluoranthene (filtered), ug/L	10.0	< 10.0 U
Benzyl alcohol (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethoxy) methane (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroethyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Chloroisopropyl) ether (filtered), ug/L	10.0	< 10.0 U
Bis (2-Ethylhexyl) phthalate (filtered), ug/L	10.0	17.0 J
4-Bromophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Butylbenzylphthalate (filtered), ug/L	10.0	< 10.0 U
4-Chloroaniline (filtered), ug/L	10.0	< 10.0 U
4-Chloro-3-methylphenol (filtered), ug/L	10.0	< 10.0 U
2-Chloronaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Chlorophenol (filtered), ug/L	10.0	< 10.0 U
4-Chlorophenyl-phenylether (filtered), ug/L	10.0	< 10.0 U
Chrysene (filtered), ug/L	10.0	< 10.0 U
Dibenzo (a,h) anthracene (filtered), ug/L	10.0	< 10.0 U
Dibenzofuran (filtered), ug/L	10.0	< 10.0 U
1,2-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,3-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
1,4-Dichlorobenzene (filtered), ug/L	10.0	< 10.0 U
3,3'-Dichlorobenzidine (filtered), ug/L	20.0	< 20.0 U
2,4-Dichlorophenol (filtered), ug/L	10.0	< 10.0 U
Diethylphthalate (filtered), ug/L	10.0	< 20.0 UJ
2,4-Dimethylphenol (filtered), ug/L	10.0	< 10.0 U
Dimethyl phthalate (filtered), ug/L	10.0	< 10.0 U
Di-n-butylphthalate (filtered), ug/L	10.0	< 50.0 UJ
4,6-Dinitro-2-methylphenol (filtered), ug/L	50.0	< 50.0 U
2,4-Dinitrophenol (filtered), ug/L	50.0	< 50.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Semi-Volatile Organic Compounds (filtered)

Chemical Parameter	CRQL	04/26/90
2,4-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
2,6-Dinitrotoluene (filtered), ug/L	10.0	< 10.0 U
Di-n-octyl phthalate (filtered), ug/L	10.0	< 10.0 U
Fluoranthene (filtered), ug/L	10.0	< 10.0 U
Fluorene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobenzene (filtered), ug/L	10.0	< 10.0 U
Hexachlorobutadiene (filtered), ug/L	10.0	< 10.0 U
Hexachlorocyclopentadiene (filtered), ug/L	10.0	< 10.0 U
Hexachloroethane (filtered), ug/L	10.0	< 10.0 U
Indeno (1,2,3-cd) pyrene (filtered), ug/L	10.0	< 10.0 U
Isophorone (filtered), ug/L	10.0	< 10.0 U
2-Methylnaphthalene (filtered), ug/L	10.0	< 10.0 U
2-Methylphenol (filtered), ug/L	10.0	< 10.0 U
4-Methylphenol (filtered), ug/L	10.0	33.0 A
Naphthalene (filtered), ug/L	10.0	< 10.0 U
2-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
3-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
4-Nitroaniline (filtered), ug/L	50.0	< 50.0 U
Nitrobenzene (filtered), ug/L	10.0	< 10.0 U
2-Nitrophenol (filtered), ug/L	10.0	< 10.0 U
4-Nitrophenol (filtered), ug/L	50.0	< 50.0 U
N-Nitroso-di-n-propylamine (filtered), ug/L	10.0	< 10.0 U
N-Nitrosodiphenylamine (filtered), ug/L	10.0	< 10.0 U
Pentachlorophenol (filtered), ug/L	50.0	< 50.0 U
Phenanthrene (filtered), ug/L	10.0	< 10.0 U
Phenol (filtered), ug/L	10.0	27.0 A
Pyrene (filtered), ug/L	10.0	< 10.0 U
1,2,4-Trichlorobenzene (filtered), ug/L	10.0	< 10.0 U
2,4,5-Trichlorophenol (filtered), ug/L	50.0	< 50.0 U
2,4,6-Trichlorophenol (filtered), ug/L	10.0	< 10.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	04/25/90
Aldrin, ug/L	0.05	< 0.05 U
alpha-BHC, ug/L	0.05	< 0.05 U
beta-BHC, ug/L	0.05	< 0.05 U
delta-BHC, ug/L	0.05	< 0.05 U
gamma-BHC (Lindane), ug/L	0.05	< 0.05 U
alpha-Chlordane, ug/L	0.5	< 0.5 U
gamma-Chlordane, ug/L	0.5	< 0.5 U
4,4'-DDD, ug/L	0.1	< 0.1 U
4,4'-DDE, ug/L	0.1	< 0.1 U
4,4'-DDT, ug/L	0.1	< 0.1 U
Dieldrin, ug/L	0.1	< 0.1 U
Endosulfan I, ug/L	0.05	< 0.05 U
Endosulfan II, ug/L	0.1	< 0.1 U
Endosulfan sulfate, ug/L	0.1	< 0.1 U
Endrin, ug/L	0.1	< 0.1 U
Endrin ketone, ug/L	0.1	< 0.1 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.5	< 0.5 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	04/25/90
Aroclor-1016, ug/L	0.5	< 0.5 U
Aroclor-1221, ug/L	0.5	< 0.5 U
Aroclor-1232, ug/L	0.5	< 0.5 U
Aroclor-1242, ug/L	0.5	< 0.5 U
Aroclor-1248, ug/L	0.5	< 0.5 U
Aroclor-1254, ug/L	1.0	< 1.0 U
Aroclor-1260, ug/L	1.0	< 1.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	04/24/90
Aldrin, ug/L	0.05	< 0.05 U
alpha-BHC, ug/L	0.05	< 0.05 U
beta-BHC, ug/L	0.05	< 0.05 U
delta-BHC, ug/L	0.05	< 0.05 U
gamma-BHC (Lindane), ug/L	0.05	0.081 A
alpha-Chlordane, ug/L	0.5	< 0.5 U
gamma-Chlordane, ug/L	0.5	< 0.5 U
4,4'-DDD, ug/L	0.1	< 0.1 U
4,4'-DDE, ug/L	0.1	< 0.1 U
4,4'-DDT, ug/L	0.1	< 0.1 U
Dieldrin, ug/L	0.1	< 0.1 U
Endosulfan I, ug/L	0.05	< 0.05 U
Endosulfan II, ug/L	0.1	< 0.1 U
Endosulfan sulfate, ug/L	0.1	< 0.1 U
Endrin, ug/L	0.1	< 0.1 U
Endrin ketone, ug/L	0.1	< 0.1 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.5	< 0.5 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	04/24/90
Aroclor-1016, ug/L	0.5	< 0.5 U
Aroclor-1221, ug/L	0.5	< 0.5 U
Aroclor-1232, ug/L	0.5	< 0.5 U
Aroclor-1242, ug/L	0.5	< 0.5 U
Aroclor-1248, ug/L	0.5	< 0.5 U
Aroclor-1254, ug/L	1.0	< 1.0 U
Aroclor-1260, ug/L	1.0	< 1.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	04/26/90	04/26/90 Replicate
Aldrin, ug/L	0.05	< 0.1 U	< 0.067 U
alpha-BHC, ug/L	0.05	< 0.1 U	< 0.067 U
beta-BHC, ug/L	0.05	< 0.1 U	< 0.067 U
delta-BHC, ug/L	0.05	< 0.1 U	< 0.067 U
gamma-BHC (Lindane), ug/L	0.05	< 0.1 U	< 0.067 U
alpha-Chlordane, ug/L	0.5	< 1.0 U	< 0.67 U
gamma-Chlordane, ug/L	0.5	< 1.0 U	< 0.67 U
4,4'-DDD, ug/L	0.1	< 0.2 U	< 0.13 U
4,4'-DDE, ug/L	0.1	< 0.2 U	< 0.13 U
4,4'-DDT, ug/L	0.1	< 0.2 U	< 0.13 U
Dieldrin, ug/L	0.1	< 0.2 U	< 0.13 U
Endosulfan I, ug/L	0.05	< 0.1 U	< 0.067 U
Endosulfan II, ug/L	0.1	< 0.2 U	< 0.13 U
Endosulfan sulfate, ug/L	0.1	< 0.2 U	< 0.13 U
Endrin, ug/L	0.1	< 0.2 U	< 0.13 U
Endrin ketone, ug/L	0.1	< 0.2 U	< 0.13 U
Heptachlor, ug/L	0.05	< 0.1 U	< 0.067 U
Heptachlor epoxide, ug/L	0.05	< 0.1 U	< 0.067 U
Methoxychlor, ug/L	0.5	< 1.0 U	< 0.67 U
Toxaphene, ug/L	1.0	< 2.0 U	< 0.33 U

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	04/26/90	04/26/90 Replicate
Aroclor-1016, ug/L	0.5	< 1.0 U	< 0.67 U
Aroclor-1221, ug/L	0.5	< 1.0 U	< 0.67 U
Aroclor-1232, ug/L	0.5	< 1.0 U	< 0.67 U
Aroclor-1242, ug/L	0.5	< 1.0 U	< 0.67 U
Aroclor-1248, ug/L	0.5	< 1.0 U	< 0.67 U
Aroclor-1254, ug/L	1.0	< 2.0 U	< 1.3 U
Aroclor-1260, ug/L	1.0	< 2.0 U	< 1.3 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Pesticide Compounds (unfiltered)

Chemical Parameter	CRQL	04/26/90
Aldrin, ug/L	0.05	< 0.05 U
alpha-BHC, ug/L	0.05	< 0.05 U
beta-BHC, ug/L	0.05	< 0.05 U
delta-BHC, ug/L	0.05	< 0.05 U
gamma-BHC (Lindane), ug/L	0.05	0.17 A
alpha-Chlordane, ug/L	0.5	< 0.5 U
gamma-Chlordane, ug/L	0.5	< 0.5 U
4,4'-DDD, ug/L	0.1	< 0.1 U
4,4'-DDE, ug/L	0.1	< 0.1 U
4,4'-DDT, ug/L	0.1	< 0.1 U
Dieldrin, ug/L	0.1	< 0.1 U
Endosulfan I, ug/L	0.05	< 0.05 U
Endosulfan II, ug/L	0.1	< 0.1 U
Endosulfan sulfate, ug/L	0.1	< 0.1 U
Endrin, ug/L	0.1	< 0.1 U
Endrin ketone, ug/L	0.1	< 0.1 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.5	< 0.5 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls (unfiltered)

Chemical Parameter	CRQL	04/26/90
Aroclor-1016, ug/L	0.5	< 0.5 U
Aroclor-1221, ug/L	0.5	< 0.5 U
Aroclor-1232, ug/L	0.5	< 0.5 U
Aroclor-1242, ug/L	0.5	< 0.5 U
Aroclor-1248, ug/L	0.5	< 0.5 U
Aroclor-1254, ug/L	1.0	< 1.0 U
Aroclor-1260, ug/L	1.0	< 1.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	04/25/90
Aldrin (filtered), ug/L	0.05	< 0.05 U
alpha-BHC (filtered), ug/L	0.05	< 0.05 U
beta-BHC (filtered), ug/L	0.05	< 0.05 U
delta-BHC (filtered), ug/L	0.05	< 0.05 U
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 U
alpha-Chlordane (filtered), ug/L	0.5	< 0.5 U
gamma-Chlordane (filtered), ug/L	0.5	< 0.5 U
4,4'-DDD (filtered), ug/L	0.1	< 0.1 U
4,4'-DDE (filtered), ug/L	0.1	< 0.1 U
4,4'-DDT (filtered), ug/L	0.1	< 0.1 U
Dieldrin (filtered), ug/L	0.1	< 0.1 U
Endosulfan I (filtered), ug/L	0.05	< 0.05 U
Endosulfan II (filtered), ug/L	0.1	< 0.1 U
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 U
Endrin (filtered), ug/L	0.1	< 0.1 U
Endrin ketone (filtered), ug/L	0.1	< 0.1 U
Heptachlor (filtered), ug/L	0.05	< 0.05 U
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 U
Methoxychlor (filtered), ug/L	0.5	< 0.5 U
Toxaphene (filtered), ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	04/25/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 U
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 U
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 U
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 U
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 U
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 U
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	04/24/90
Aldrin (filtered), ug/L	0.05	< 0.05 U
alpha-BHC (filtered), ug/L	0.05	< 0.05 U
beta-BHC (filtered), ug/L	0.05	< 0.05 U
delta-BHC (filtered), ug/L	0.05	< 0.05 U
gamma-BHC (Lindane) (filtered), ug/L	0.05	0.67 A
alpha-Chlordane (filtered), ug/L	0.5	< 0.5 U
gamma-Chlordane (filtered), ug/L	0.5	< 0.5 U
4,4'-DDD (filtered), ug/L	0.1	< 0.1 U
4,4'-DDE (filtered), ug/L	0.1	< 0.1 U
4,4'-DDT (filtered), ug/L	0.1	< 0.1 U
Dieldrin (filtered), ug/L	0.1	< 0.1 U
Endosulfan I (filtered), ug/L	0.05	< 0.05 U
Endosulfan II (filtered), ug/L	0.1	< 0.1 U
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 U
Endrin (filtered), ug/L	0.1	< 0.1 U
Endrin ketone (filtered), ug/L	0.1	< 0.1 U
Heptachlor (filtered), ug/L	0.05	< 0.05 U
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 U
Methoxychlor (filtered), ug/L	0.5	< 0.5 U
Toxaphene (filtered), ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	04/24/90
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 U
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 U
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 U
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 U
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 U
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 U
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	04/26/90	04/26/90 Replicate
Aldrin (filtered), ug/L	0.05	< 0.05 U	< 0.1 U
alpha-BHC (filtered), ug/L	0.05	< 0.05 U	< 0.1 U
beta-BHC (filtered), ug/L	0.05	< 0.05 U	< 0.1 U
delta-BHC (filtered), ug/L	0.05	< 0.05 U	< 0.1 U
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.05 U	< 0.1 U
alpha-Chlordane (filtered), ug/L	0.5	< 0.5 U	< 1.0 U
gamma-Chlordane (filtered), ug/L	0.5	< 0.5 U	< 1.0 U
4,4'-DDD (filtered), ug/L	0.1	< 0.1 U	< 0.2 U
4,4'-DDE (filtered), ug/L	0.1	< 0.1 U	< 0.2 U
4,4'-DDT (filtered), ug/L	0.1	< 0.1 U	< 0.2 U
Dieldrin (filtered), ug/L	0.1	< 0.1 U	< 0.2 U
Endosulfan I (filtered), ug/L	0.05	< 0.05 U	< 0.1 U
Endosulfan II (filtered), ug/L	0.1	< 0.1 U	< 0.2 U
Endosulfan sulfate (filtered), ug/L	0.1	< 0.1 U	< 0.2 U
Endrin (filtered), ug/L	0.1	< 0.1 U	< 0.2 U
Endrin ketone (filtered), ug/L	0.1	< 0.1 U	< 0.2 U
Heptachlor (filtered), ug/L	0.05	< 0.05 U	< 0.1 U
Heptachlor epoxide (filtered), ug/L	0.05	< 0.05 U	< 0.1 U
Methoxychlor (filtered), ug/L	0.5	< 0.5 U	< 1.0 U
Toxaphene (filtered), ug/L	1.0	< 1.0 U	< 2.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	04/26/90	04/26/90 Replicate
Aroclor-1016 (filtered), ug/L	0.5	< 0.5 U	< 1.0 U
Aroclor-1221 (filtered), ug/L	0.5	< 0.5 U	< 1.0 U
Aroclor-1232 (filtered), ug/L	0.5	< 0.5 U	< 1.0 U
Aroclor-1242 (filtered), ug/L	0.5	< 0.5 U	< 1.0 U
Aroclor-1248 (filtered), ug/L	0.5	< 0.5 U	< 1.0 U
Aroclor-1254 (filtered), ug/L	1.0	< 1.0 U	< 2.0 U
Aroclor-1260 (filtered), ug/L	1.0	< 1.0 U	< 2.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Pesticide Compounds (filtered)

Chemical Parameter	CRQL	04/26/90
Aldrin (filtered), ug/L	0.05	< 0.1 U
alpha-BHC (filtered), ug/L	0.05	< 0.1 U
beta-BHC (filtered), ug/L	0.05	< 0.1 U
delta-BHC (filtered), ug/L	0.05	< 0.1 U
gamma-BHC (Lindane) (filtered), ug/L	0.05	< 0.1 U
alpha-Chlordane (filtered), ug/L	0.5	< 1.0 U
gamma-Chlordane (filtered), ug/L	0.5	< 1.0 U
4,4'-DDD (filtered), ug/L	0.1	< 0.2 U
4,4'-DDE (filtered), ug/L	0.1	< 0.2 U
4,4'-DDT (filtered), ug/L	0.1	< 0.2 U
Dieldrin (filtered), ug/L	0.1	< 0.2 U
Endosulfan I (filtered), ug/L	0.05	< 0.1 U
Endosulfan II (filtered), ug/L	0.1	< 0.2 U
Endosulfan sulfate (filtered), ug/L	0.1	< 0.2 U
Endrin (filtered), ug/L	0.1	< 0.2 U
Endrin ketone (filtered), ug/L	0.1	< 0.2 U
Heptachlor (filtered), ug/L	0.05	< 0.1 U
Heptachlor epoxide (filtered), ug/L	0.05	< 0.1 U
Methoxychlor (filtered), ug/L	0.5	< 1.0 U
Toxaphene (filtered), ug/L	1.0	< 2.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls (filtered)

Chemical Parameter	CRQL	04/26/90
Aroclor-1016 (filtered), ug/L	0.5	< 1.0 U
Aroclor-1221 (filtered), ug/L	0.5	< 1.0 U
Aroclor-1232 (filtered), ug/L	0.5	< 1.0 U
Aroclor-1242 (filtered), ug/L	0.5	< 1.0 U
Aroclor-1248 (filtered), ug/L	0.5	< 1.0 U
Aroclor-1254 (filtered), ug/L	1.0	< 2.0 U
Aroclor-1260 (filtered), ug/L	1.0	< 2.0 U

Explanation

CRQL Contract Required Quantitation Limit

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	04/25/90
Aluminum, dissolved, mg/L	0.2	0.219 R (0.027)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)
Arsenic, dissolved, mg/L	0.01	< 0.002 U (0.002)
Barium, dissolved, mg/L	0.2	0.0389 J (0.002)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)
Calcium, dissolved, mg/L	5.0	38.1 A (0.02)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)
Copper, dissolved, mg/L	0.025	0.0163 A (0.006)
Iron, dissolved, mg/L	0.1	0.253 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	4.99 A (0.037)
Manganese, dissolved, mg/L	0.015	0.0722 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 UJ (0.012)
Potassium, dissolved, mg/L	5.0	8.05 A (0.9)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	0.0033 A (0.003)
Sodium, dissolved, mg/L	5.0	81.4 A (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.028 U (0.028)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0593 A (0.008)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	04/24/90
Aluminum, dissolved, mg/L	0.2	0.234 R (0.027)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)
Arsenic, dissolved, mg/L	0.01	< 0.002 U (0.002)
Barium, dissolved, mg/L	0.2	0.0285 J (0.002)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)
Calcium, dissolved, mg/L	5.0	37.3 A (0.02)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)
Copper, dissolved, mg/L	0.025	0.0143 A (0.006)
Iron, dissolved, mg/L	0.1	0.286 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	4.88 A (0.037)
Manganese, dissolved, mg/L	0.015	0.0737 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 UJ (0.012)
Potassium, dissolved, mg/L	5.0	8.41 A (0.9)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	0.0151 A (0.003)
Sodium, dissolved, mg/L	5.0	79.2 A (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.028 U (0.028)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0735 A (0.008)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	04/26/90	04/26/90 Replicate
Aluminum, dissolved, mg/L	0.2	0.18 R (0.027)	0.0814 R (0.027)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	< 0.037 U (0.037)
Arsenic, dissolved, mg/L	0.01	< 0.002 U (0.002)	< 0.002 U (0.002)
Barium, dissolved, mg/L	0.2	0.0656 J (0.002)	0.0363 J (0.002)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)	< 0.005 U (0.005)
Calcium, dissolved, mg/L	5.0	26.4 A (0.02)	27.9 A (0.02)
Chromium, dissolved, mg/L	0.01	0.297 J (0.003)	0.0264 J (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.007)
Copper, dissolved, mg/L	0.025	0.0849 A (0.006)	0.0693 A (0.006)
Iron, dissolved, mg/L	0.1	1.3 J (0.003)	0.443 J (0.003)
Lead, dissolved, mg/L	0.005	0.0033 A (0.002)	0.0033 A (0.002)
Magnesium, dissolved, mg/L	5.0	4.68 A (0.037)	4.84 A (0.037)
Manganese, dissolved, mg/L	0.015	0.209 J (0.001)	0.141 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	0.0895 J (0.012)	0.0164 R (0.012)
Potassium, dissolved, mg/L	5.0	20.9 A (0.9)	20.9 A (0.9)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	0.0034 A (0.003)	< 0.003 U (0.003)
Sodium, dissolved, mg/L	5.0	234.0 A (0.038)	230.0 A (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	< 0.004 U (0.004)
Tin, dissolved, mg/L	N/R	0.166 J (0.028)	< 0.029 U (0.028)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.071 A (0.008)	0.073 A (0.008)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	04/26/90
Aluminum, dissolved, mg/L	0.2	0.196 R (0.027)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)
Arsenic, dissolved, mg/L	0.01	< 0.002 U (0.002)
Barium, dissolved, mg/L	0.2	0.0315 J (0.002)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)
Calcium, dissolved, mg/L	5.0	42.1 A (0.02)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)
Copper, dissolved, mg/L	0.025	0.0136 A (0.006)
Iron, dissolved, mg/L	0.1	0.192 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	5.18 A (0.037)
Manganese, dissolved, mg/L	0.015	0.0577 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 UJ (0.012)
Potassium, dissolved, mg/L	5.0	8.53 A (0.9)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)
Silver, dissolved, mg/L	0.01	< 0.003 U (0.003)
Sodium, dissolved, mg/L	5.0	75.1 A (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Tin, dissolved, mg/L	N/R	< 0.029 U (0.028)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0551 A (0.008)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	04/25/90
Aluminum, total, mg/L	0.2	0.233 A (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.002 A (0.002)
Barium, total, mg/L	0.2	0.0281 A (0.002)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)
Calcium, total, mg/L	5.0	39.8 A (0.02)
Chromium, total, mg/L	0.01	< 0.003 U (0.003)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)
Copper, total, mg/L	0.025	0.0239 A (0.006)
Iron, total, mg/L	0.1	0.573 A (0.003)
Lead, total, mg/L	0.005	0.0044 J (0.002)
Magnesium, total, mg/L	5.0	5.04 A (0.037)
Manganese, total, mg/L	0.015	0.0877 A (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.012 UJ (0.012)
Potassium, total, mg/L	5.0	7.04 A (0.9)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.003 U (0.003)
Sodium, total, mg/L	5.0	78.6 A (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Tin, total, mg/L	N/R	< 0.028 U (0.028)
Vanadium, total, mg/L	0.05	0.0073 A (0.006)
Zinc, total, mg/L	0.02	0.051 R (0.008)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	04/24/90
Aluminum, total, mg/L	0.2	0.352 A (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.0381 A (0.002)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)
Calcium, total, mg/L	5.0	38.1 A (0.02)
Chromium, total, mg/L	0.01	< 0.003 U (0.003)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)
Copper, total, mg/L	0.025	0.0218 A (0.006)
Iron, total, mg/L	0.1	0.522 A (0.003)
Lead, total, mg/L	0.005	0.0038 J (0.002)
Magnesium, total, mg/L	5.0	4.9 A (0.037)
Manganese, total, mg/L	0.015	0.0804 A (0.001)
Mercury, total, ug/L	0.2	0.2 R (0.2)
Nickel, total, mg/L	0.04	< 0.012 UJ (0.012)
Potassium, total, mg/L	5.0	7.62 A (0.9)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	0.0037 J (0.003)
Sodium, total, mg/L	5.0	80.8 A (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Tin, total, mg/L	N/R	< 0.028 U (0.028)
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)
Zinc, total, mg/L	0.02	0.0431 R (0.008)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	04/26/90	04/26/90 Replicate
Aluminum, total, mg/L	0.2	2.07 A (0.027)	2.73 A (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.0052 A (0.002)	0.0058 A (0.002)
Barium, total, mg/L	0.2	0.0962 A (0.002)	0.11 A (0.002)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	< 0.005 U (0.005)
Calcium, total, mg/L	5.0	40.1 A (0.02)	43.4 A (0.02)
Chromium, total, mg/L	0.01	0.0169 A (0.003)	0.0198 A (0.003)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.007)
Copper, total, mg/L	0.025	1.36 A (0.006)	1.61 A (0.006)
Iron, total, mg/L	0.1	5.28 A (0.003)	6.2 A (0.003)
Lead, total, mg/L	0.005	0.0624 J (0.002)	0.0861 J (0.002)
Magnesium, total, mg/L	5.0	5.73 A (0.037)	6.09 A (0.037)
Manganese, total, mg/L	0.015	0.22 A (0.001)	0.226 A (0.001)
Mercury, total, ug/L	0.2	1.4 A (0.2)	1.4 A (0.2)
Nickel, total, mg/L	0.04	0.0253 R (0.012)	0.0357 R (0.012)
Potassium, total, mg/L	5.0	22.1 A (0.9)	21.6 A (0.9)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)
Silver, total, mg/L	0.01	0.0605 J (0.003)	0.0938 J (0.003)
Sodium, total, mg/L	5.0	252.0 A (0.038)	230.0 A (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)	< 0.004 U (0.004)
Tin, total, mg/L	N/R	0.102 A (0.028)	0.107 A (0.028)
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)	< 0.006 U (0.006)
Zinc, total, mg/L	0.02	0.522 A (0.008)	0.649 A (0.008)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	04/26/90
Aluminum, total, mg/L	0.2	0.33 A (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.002 A (0.002)
Barium, total, mg/L	0.2	0.0633 A (0.002)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)
Calcium, total, mg/L	5.0	45.3 A (0.02)
Chromium, total, mg/L	0.01	0.0035 A (0.003)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)
Copper, total, mg/L	0.025	0.0382 A (0.006)
Iron, total, mg/L	0.1	0.682 A (0.003)
Lead, total, mg/L	0.005	0.0049 J (0.002)
Magnesium, total, mg/L	5.0	5.44 A (0.037)
Manganese, total, mg/L	0.015	0.0744 A (0.001)
Mercury, total, ug/L	0.2	0.2 R (0.2)
Nickel, total, mg/L	0.04	< 0.012 UJ (0.012)
Potassium, total, mg/L	5.0	9.47 A (0.9)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.003 U (0.003)
Sodium, total, mg/L	5.0	68.4 A (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Tin, total, mg/L	N/R	< 0.029 U (0.028)
Vanadium, total, mg/L	0.05	0.0084 A (0.006)
Zinc, total, mg/L	0.02	0.0779 R (0.008)

Explanation

CRDL Contract Required Detection Limit

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	04/25/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	04/25/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.53 J (0.6)
Lead (II), total, mg/L	< 0.6 UJ (0.003)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	04/25/90
Di-methyl mercury, total, ug/L	< 120.0 R (N/R)
Ethyl mercury, total, ug/L	< 70.0 U (0.2)
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)
Mono-methyl tin, total, mg/L	< 0.025 U (0.6)
Tri-methyl tin, total, mg/L	< 0.05 UJ (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	04/24/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	04/24/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.85 J (0.6)
Lead (II), total, mg/L	< 0.6 UJ (0.003)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	04/24/90
Di-methyl mercury, total, ug/L	< 5.0 R (N/R)
Ethyl mercury, total, ug/L	< 50.0 U (0.2)
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)
Mono-methyl tin, total, mg/L	< 0.025 U (0.6)
Tri-methyl tin, total, mg/L	< 0.05 UJ (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyse

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	04/26/90	04/26/90 Replicate
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	04/26/90	04/26/90 Replicate
Arsenic (III), total, mg/L	< 0.005 U (0.005)	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)	< 0.01 U (0.01)
Iron (II), total, mg/L	10.0 J (0.6)	7.0 J (0.6)
Lead (II), total, mg/L	< 0.6 UJ (0.003)	< 0.6 UJ (0.003)
Mercury (o), total, ug/L	< 0.2 U (0.2)	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	04/26/90	04/26/90 Replicate
Di-methyl mercury, total, ug/L	< 5.0 R (N/R)	< 120.0 R (N/R)
Ethyl mercury, total, ug/L	< 20.0 U (0.2)	< 90.0 U (0.2)
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	< 0.05 UJ (N/R)
Mono-methyl tin, total, mg/L	< 0.025 U (0.6)	< 0.025 U (0.6)
Tri-methyl tin, total, mg/L	< 0.05 UJ (N/R)	< 0.05 UJ (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Dissolved Speciated Metals

Chemical Parameter	04/26/90
Chromium, hexavalent, dissolved, mg/L	< 0.01 U (0.01)

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	04/26/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)
Arsenic (V), total, mg/L	< 0.005 U (0.005)
Chromium, hexavalent, total, mg/L	< 0.01 U (0.01)
Iron (II), total, mg/L	0.22 J (0.6)
Lead (II), total, mg/L	< 0.6 UJ (0.003)
Mercury (o), total, ug/L	< 0.2 U (0.2)
Mercury (II), total, ug/L	< 0.2 U (0.2)

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	04/26/90
Di-methyl mercury, total, ug/L	< 5.0 R (N/R)
Ethyl mercury, total, ug/L	< 20.0 U (0.2)
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)
Mono-methyl tin, total, mg/L	< 0.025 U (0.6)
Tri-methyl tin, total, mg/L	< 0.05 UJ (N/R)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	04/25/90
Bicarbonate as $CaCO_3$, mg/L	151.0 A (5.0)
Carbonate as $CaCO_3$, mg/L	< 5.0 U (5.0)
Chloride, mg/L	129.0 A (3.0)
Orthophosphate as P, mg/L	2.8 A (0.01)
Phosphorous, total, mg/L	4.7 J (0.1)
Sulfate, mg/L	41.0 A (5.0)
Sulfide, mg/L	0.05 A (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	04/25/90
Bicarbonate as $CaCO_3$ (filtered), mg/L	149.0 A (5.0)
Carbonate as $CaCO_3$ (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	128.0 A (3.0)
Orthophosphate as P (filtered), mg/L	2.0 J (0.01)
Phosphorous, total (filtered), mg/L	3.4 J (0.1)
Sulfate (filtered), mg/L	40.0 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	04/24/90
Bicarbonate as CaCO3, mg/L	145.0 A (5.0)
Carbonate as CaCO3, mg/L	< 5.0 U (5.0)
Chloride, mg/L	131.0 A (3.0)
Orthophosphate as P, mg/L	1.6 A (0.01)
Phosphorous, total, mg/L	3.6 J (0.1)
Sulfate, mg/L	80.0 A (5.0)
Sulfide, mg/L	< 0.05 UJ (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	04/24/90
Bicarbonate as CaCO3 (filtered), mg/L	137.0 A (5.0)
Carbonate as CaCO3 (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	131.0 A (3.0)
Orthophosphate as P (filtered), mg/L	1.3 J (0.01)
Phosphorous, total (filtered), mg/L	3.1 J (0.1)
Sulfate (filtered), mg/L	40.0 A (5.0)
Sulfide (filtered), mg/L	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

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Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	04/26/90	04/26/90 Replicate
Bicarbonate as CaCO3, mg/L	188.0 A (5.0)	193.0 A (5.0)
Carbonate as CaCO3, mg/L	< 5.0 U (5.0)	< 5.0 U (5.0)
Chloride, mg/L	170.0 A (3.0)	158.0 A (3.0)
Orthophosphate as P, mg/L	2.4 A (0.01)	3.1 A (0.01)
Phosphorous, total, mg/L	2.3 J (0.1)	5.5 J (0.1)
Sulfate, mg/L	305.0 A (5.0)	255.0 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	04/26/90	04/26/90 Replicate
Bicarbonate as CaCO3 (filtered), mg/L	139.0 A (5.0)	168.0 A (5.0)
Carbonate as CaCO3 (filtered), mg/L	< 5.0 U (5.0)	< 5.0 U (5.0)
Chloride (filtered), mg/L	154.0 A (3.0)	160.0 A (3.0)
Orthophosphate as P (filtered), mg/L	1.6 J (0.01)	2.8 J (0.01)
Phosphorous, total (filtered), mg/L	2.3 J (0.1)	3.3 J (0.1)
Sulfate (filtered), mg/L	293.0 A (5.0)	255.0 A (5.0)
Sulfide (filtered), mg/L	0.09 A (0.05)	< 0.05 U (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	04/26/90
Bicarbonate as $CaCO_3$, mg/L	186.0 A (5.0)
Carbonate as $CaCO_3$, mg/L	< 5.0 U (5.0)
Chloride, mg/L	132.0 A (3.0)
Orthophosphate as P, mg/L	7.1 A (0.01)
Phosphorous, total, mg/L	6.4 J (0.1)
Sulfate, mg/L	27.0 A (5.0)
Sulfide, mg/L	0.29 A (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	04/26/90
Bicarbonate as $CaCO_3$ (filtered), mg/L	185.0 A (5.0)
Carbonate as $CaCO_3$ (filtered), mg/L	< 5.0 U (5.0)
Chloride (filtered), mg/L	126.0 A (3.0)
Orthophosphate as P (filtered), mg/L	3.5 J (0.01)
Phosphorous, total (filtered), mg/L	4.3 J (0.1)
Sulfate (filtered), mg/L	50.0 A (5.0)
Sulfide (filtered), mg/L	0.05 A (0.05)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-1

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	04/25/90
Chemical oxygen demand, mg/L	156.0 R (5.0)
Total organic carbon, mg/L	36.7 A (2.0)
Total suspended solids, mg/L	91.0 J (1.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	04/25/90
Chemical oxygen demand (filtered), mg/L	160.0 R (5.0)
Total organic carbon (filtered), mg/L	42.3 J (2.0)

Chemical Compound Class: Physical Measurements

Chemical Parameter	04/25/90
Dissolved oxygen, field, mg/L	4.6 F (N/R)
eH, field, mvolts	222.1 F (N/R)
pH, field, s.u.	7.04 F (0.01)
Specific conductance, field, umhos/cm	710.0 F (N/R)
Temperature, field, Celsius	11.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

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Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-2

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	04/24/90
Chemical oxygen demand, mg/L	465.0 R (5.0)
Total organic carbon, mg/L	29.1 A (2.0)
Total suspended solids, mg/L	76.0 A (1.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	04/24/90
Chemical oxygen demand (filtered), mg/L	253.0 J (5.0)
Total organic carbon (filtered), mg/L	33.9 J (2.0)

Chemical Compound Class: Physical Measurements

Chemical Parameter	04/24/90
Dissolved oxygen, field, mg/L	4.6 F (N/R)
eH, field, mvolts	134.5 F (N/R)
pH, field, s.u.	7.28 F (0.01)
Specific conductance, field, umhos/cm	600.0 F (N/R)
Temperature, field, Celsius	11.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-3

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	04/26/90	04/26/90 Replicate
Chemical oxygen demand, mg/L	276.0 R (5.0)	268.0 R (5.0)
Total organic carbon, mg/L	62.8 A (2.0)	71.0 A (2.0)
Total suspended solids, mg/L	840.0 J (1.0)	810.0 J (1.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	04/26/90	04/26/90 Replicate
Chemical oxygen demand (filtered), mg/L	491.0 J (5.0)	188.0 R (5.0)
Total organic carbon (filtered), mg/L	102.0 J (2.0)	50.4 J (2.0)

Chemical Compound Class: Physical Measurements

Chemical Parameter	04/26/90	04/26/90 Replicate
Dissolved oxygen, field, mg/L	5.9 F (N/R)	-
eH, field, mvolts	277.0 F (N/R)	-
pH, field, s.u.	7.47 F (0.01)	-
Specific conductance, field, umhos/cm	1610.0 F (N/R)	-
Temperature, field, Celsius	14.0 F (0.1)	-

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

Appendix C

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Sewer Water Station: SR-4

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	04/26/90
Chemical oxygen demand, mg/L	154.0 R (5.0)
Total organic carbon, mg/L	43.6 A (2.0)
Total suspended solids, mg/L	172.0 J (1.0)

Chemical Compound Class: Miscellaneous Compounds (filtered)

Chemical Parameter	04/26/90
Chemical oxygen demand (filtered), mg/L	142.0 R (5.0)
Total organic carbon (filtered), mg/L	194.0 J (2.0)

Chemical Compound Class: Physical Measurements

Chemical Parameter	04/26/90
Dissolved oxygen, field, mg/L	3.4 F (N/R)
eH, field, mvolts	141.0 F (N/R)
pH, field, s.u.	7.34 F (0.01)
Specific conductance, field, umhos/cm	780.0 F (N/R)
Temperature, field, Celsius	11.0 F (0.1)

Explanation

N/R Not Reported

\- Not Analyzed

Validation Codes

A Quantitative Data

F Field Measurement

J Qualitative Data

R Unusable Data

U Chemical Parameter Not Detected

UJ Chemical Parameter Not Detected, Detection Level Estimated

Values in parentheses are the Instrument Detection Limits for the respective analyses

APPENDIX C

Data Summaries and Statistical Analyses

Section 6. Summary of Split Spoon Water Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

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Section 6. Summary of Split Spoon Soil Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Split Spoon Soil Sample: SS-21 Date Sampled: 03/12/90

Chemical Compound Class: Total Metals

Chemical Parameter	Sample Interval Top: 0.0 ft Sample Interval Bottom: 2.0 ft	2.0 ft 8.0 ft	2.0 ft 8.0 ft Replicate
Arsenic, total, mg/kg	5.4 A	2.4 A	2.6 J
Chromium, total, mg/kg	21.4 A	6.5 A	5.2 A
Lead, total, mg/kg	18.0 A	3.2 A	2.4 A

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	Sample Interval Top: 0.0 ft Sample Interval Bottom: 2.0 ft	2.0 ft 8.0 ft	2.0 ft 8.0 ft Replicate
Arsenic (III), total, mg/kg	< 0.12 UJ	< 0.12 UJ	< 0.12 UJ
Arsenic (V), total, mg/kg	3.65 A	2.12 A	3.9 A
Chromium, hexavalent, total, mg/kg	< 0.6 U	< 0.6 U	< 0.6 U
Chromium, trivalent, total, mg/kg	25.7 A	11.0 A	8.8 A
Lead (II), total, mg/kg	< 5.9 U	< 5.2 U	< 5.2 U
Mercury (o), total, ug/kg	< 35.0 U	< 39.0 U	< 34.0 U
Mercury (II), total, ug/kg	< 40.0 U	< 42.0 U	< 34.0 U

Chemical Compound Class: Miscellaneous Compounds

Chemical Parameter	Sample Interval Top: 0.0 ft Sample Interval Bottom: 2.0 ft	2.0 ft 8.0 ft	2.0 ft 8.0 ft Replicate
Iron oxide, mg/kg	4810.0 A	1660.0 A	1690.0 A
Manganese oxide, mg/kg	0.74 A	0.11 A	0.12 A
Total calcium carbonate, mg/kg	< 0.6 U	< 0.6 U	< 0.6 U
Total organic carbon, % Carbon	0.55 A	0.8 A	0.8 A

Chemical Compound Class: Physical Measurements

Chemical Parameter	Sample Interval Top: 0.0 ft Sample Interval Bottom: 2.0 ft	2.0 ft 8.0 ft	2.0 ft 8.0 ft Replicate
eH, field, mvolts	316.0 F	160.7 F	-
Percent solids, %	83.3 A	80.4 A	77.2 A
pH, laboratory, s.u.	4.3 A	5.3 A	5.6 A

Explanation

- Not Analyzed

Validation Code

- A Quantitative Data
- F Field Parameter
- J Qualitative Data
- R Unusable Data
- U Chemical Parameter Not Detected
- UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

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Section 6. Summary of Split Spoon Soil Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Split Spoon Soil Sample: SS-22 Date Sampled: 02/28/90

Chemical Compound Class: Total Metals

Sample Interval Top:	4.0 ft	6.0 ft	6.0 ft
Sample Interval Bottom:	6.0 ft	7.2 ft	12.0 ft
Chemical Parameter			
Arsenic, total, mg/kg	3.7 J	-	3.0 J
Chromium, total, mg/kg	6.4 A	-	9.7 A
Lead, total, mg/kg	1.4 A	-	1.2 A

Chemical Compound Class: Total Speciated Metals

Sample Interval Top:	4.0 ft	6.0 ft	6.0 ft
Sample Interval Bottom:	6.0 ft	7.2 ft	12.0 ft
Chemical Parameter			
Arsenic (III), total, mg/kg	< 0.12 U	-	< 0.12 U
Arsenic (V), total, mg/kg	3.75 A	-	2.24 A
Chromium, hexavalent, total, mg/kg	< 0.6 U	-	< 0.6 U
Chromium, trivalent, total, mg/kg	6.9 A	-	13.3 A
Lead (II), total, mg/kg	< 11.0 U	-	< 12.0 U
Mercury (o), total, ug/kg	< 29.0 U	-	< 26.0 U
Mercury (II), total, ug/kg	< 41.0 U	-	< 37.0 U

Chemical Compound Class: Miscellaneous Compounds

Sample Interval Top:	4.0 ft	6.0 ft	6.0 ft
Sample Interval Bottom:	6.0 ft	7.2 ft	12.0 ft
Chemical Parameter			
Iron oxide, mg/kg	1760.0 A	-	2320.0 A
Manganese oxide, mg/kg	0.12 A	-	0.14 A
Total calcium carbonate, mg/kg	< 0.6 U	-	< 0.6 U
Total organic carbon, % Carbon	0.57 A	-	30.2 A

Chemical Compound Class: Physical Measurements

Sample Interval Top:	4.0 ft	6.0 ft	6.0 ft
Sample Interval Bottom:	6.0 ft	7.2 ft	12.0 ft
Chemical Parameter			
eH, field, mvolts	188.7 F	222.3 F	-
Percent solids, %	83.8 A	-	80.4 A
pH, laboratory, s.u.	6.2 A	-	6.8 A

Explanation

- Not Analyzed

Validation Code

- A Quantitative Data
- F Field Parameter
- J Qualitative Data
- R Unusable Data
- U Chemical Parameter Not Detected
- UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)

Appendix C

Section 6. Summary of Split Spoon Soil Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Split Spoon Soil Sample: SS-28 Date Sampled: 03/07/90

Chemical Compound Class: Total Metals

Sample Interval Top:	0.0 ft	7.0 ft
Sample Interval Bottom:	7.0 ft	9.0 ft
Chemical Parameter		
Arsenic, total, mg/kg	13.0 A	10.0 A
Chromium, total, mg/kg	26.7 A	17.2 A
Lead, total, mg/kg	7.1 A	5.3 A

Chemical Compound Class: Total Speciated Metals

Sample Interval Top:	0.0 ft	7.0 ft
Sample Interval Bottom:	7.0 ft	9.0 ft
Chemical Parameter		
Arsenic (III), total, mg/kg	< 0.12 UJ	< 0.12 UJ
Arsenic (V), total, mg/kg	3.66 A	2.26 A
Chromium, hexavalent, total, mg/kg	< 0.6 U	< 0.6 U
Chromium, trivalent, total, mg/kg	19.8 A	19.0 A
Lead (II), total, mg/kg	< 17.0 U	< 12.0 U
Mercury (o), total, ug/kg	< 41.0 U	< 37.0 U
Mercury (II), total, ug/kg	< 41.0 U	< 37.0 U

Chemical Compound Class: Miscellaneous Compounds

Sample Interval Top:	0.0 ft	7.0 ft
Sample Interval Bottom:	7.0 ft	9.0 ft
Chemical Parameter		
Iron oxide, mg/kg	3710.0 A	3440.0 A
Manganese oxide, mg/kg	0.42 A	1.5 A
Total calcium carbonate, mg/kg	< 0.6 U	31.2 A
Total organic carbon, % Carbon	0.55 A	0.07 A

Chemical Compound Class: Physical Measurements

Sample Interval Top:	0.0 ft	7.0 ft
Sample Interval Bottom:	7.0 ft	9.0 ft
Chemical Parameter		
eH, field, mvolts	220.8 F	65.2 F
Percent solids, %	91.3 A	88.8 A
pH, laboratory, s.u.	4.0 A	6.3 A

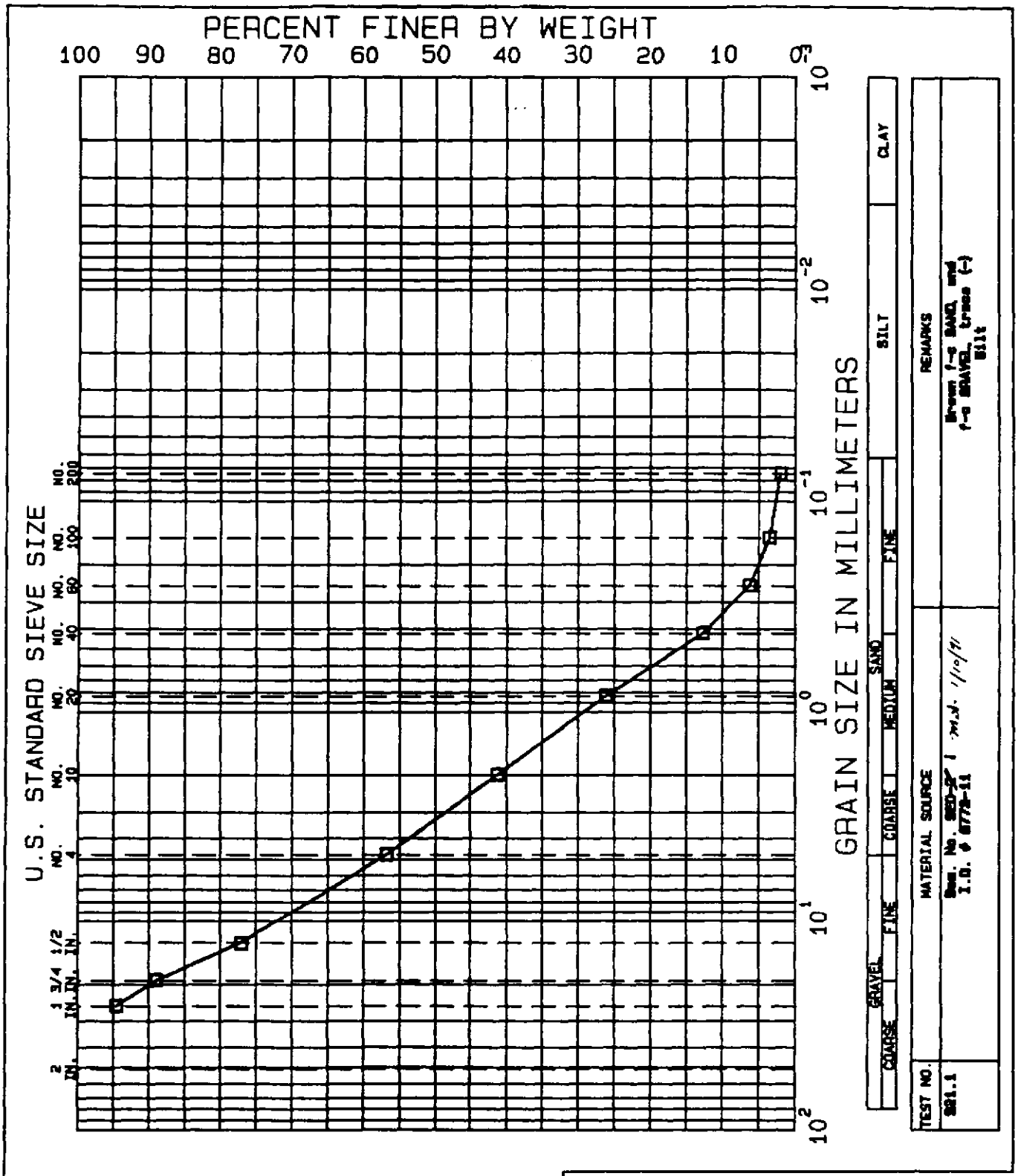
Explanation

- Not Analyzed

Validation Code

- A Quantitative Data
- F Field Parameter
- J Qualitative Data
- R Unusable Data
- U Chemical Parameter Not Detected
- UJ Chemical Parameter Not Detected, Detection Level Estimated

Analyses are reported on a dry weight basis (mg/kg or ug/kg)



ENSECO-ERCO LABORATORY

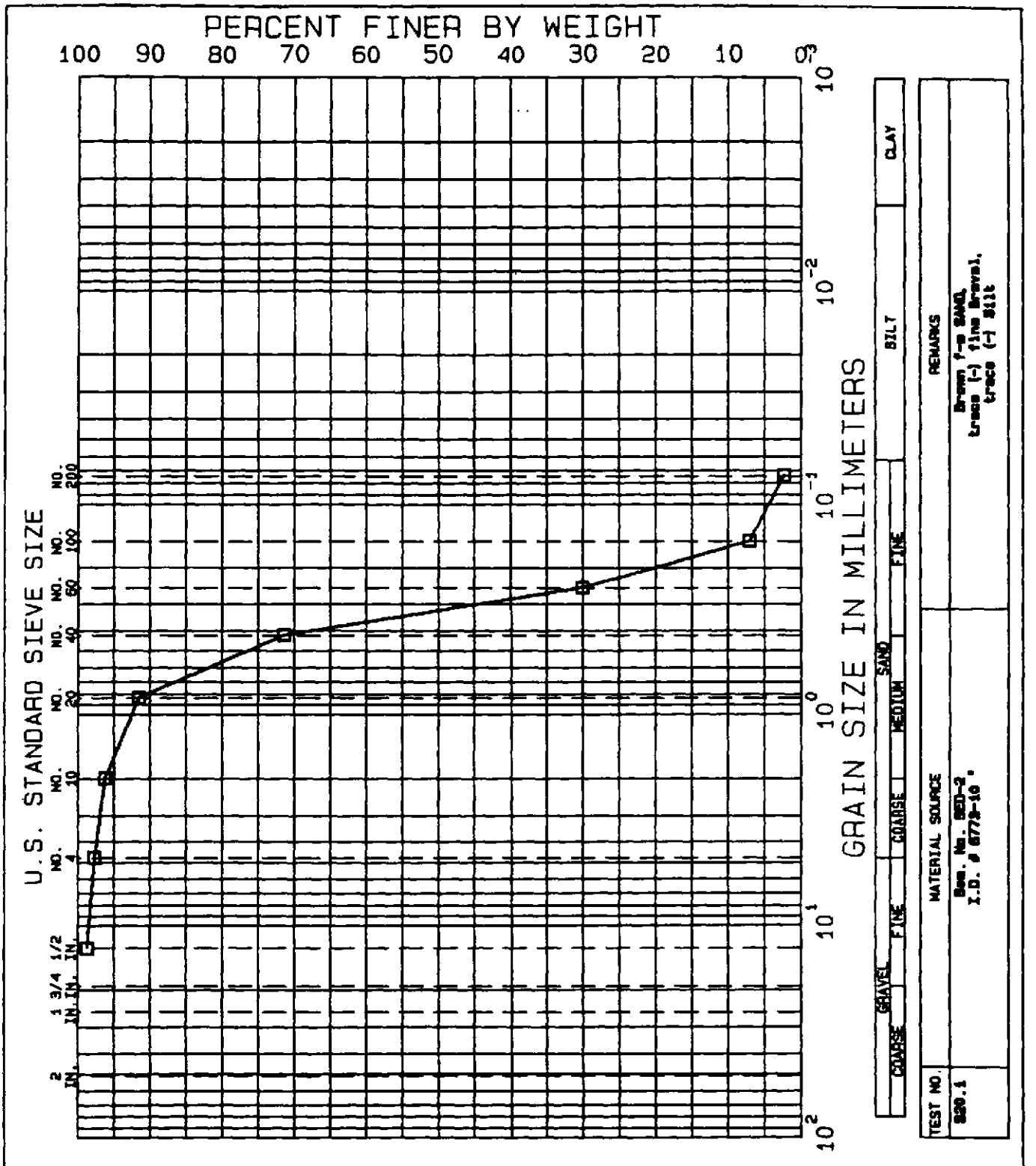
PROJECT # 6773

GRADATION TESTS

BORING NO.
SAMPLE
DEPTH
TECH. BM
REVIEWER MCM

TEST SERIES
NO. 21
DATE AUG 90

FILE L11973



ENSECO-ERCO LABORATORY

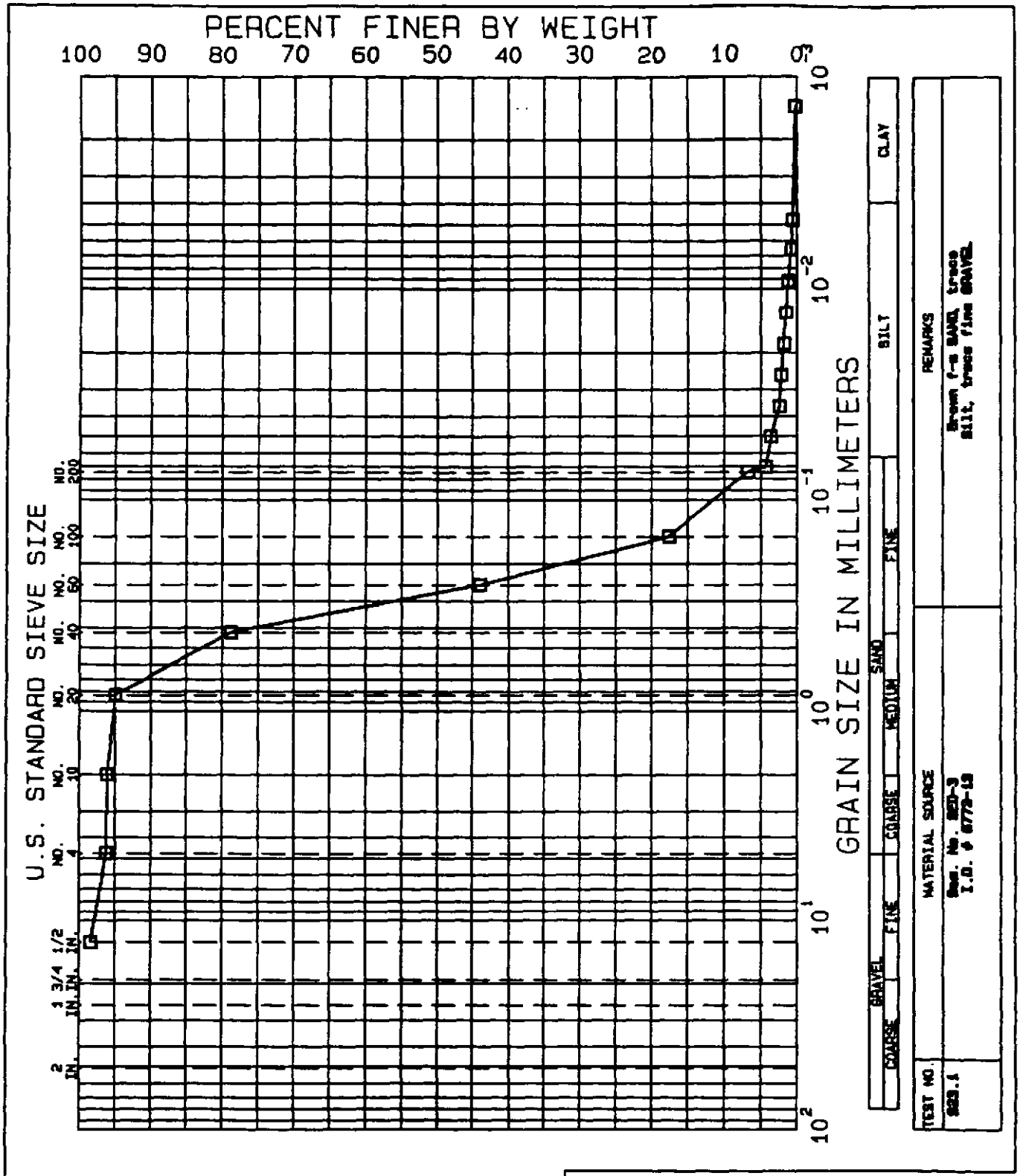
PROJECT # 6773

GRADATION TESTS

BORING NO.
SAMPLE
DEPTH
TECH. SM
REVIEWER MCM

TEST SERIES
NO. 20
DATE Aug 80

FILE L11973

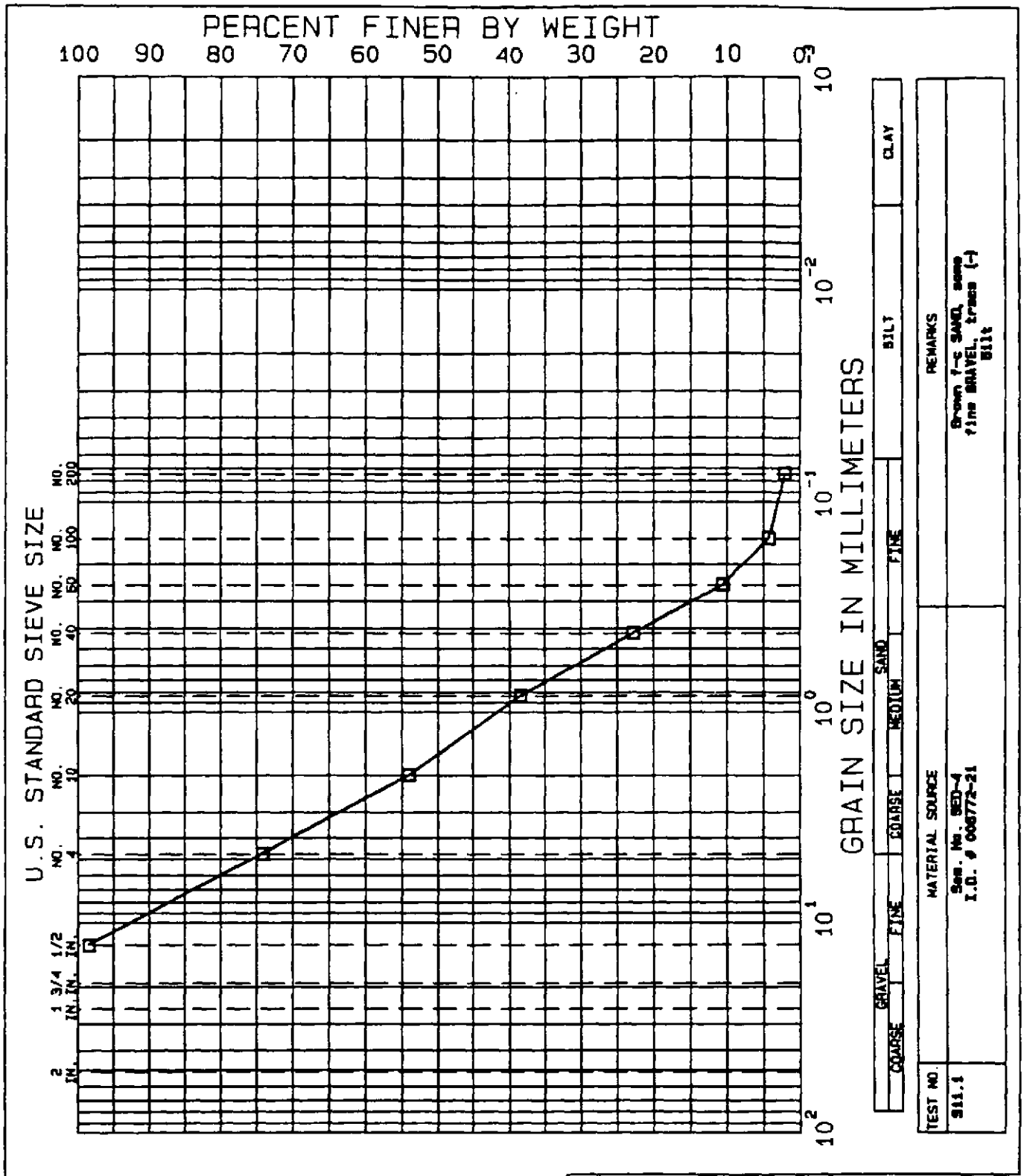


ENSECO-ERCO LABORATORY

PROJECT # 6773

GRADATION TESTS

BORING NO.		TEST SERIES	
SAMPLE	SED-3	NO.	SED
DEPTH		DATE	Aug 90
TECH.	BM		
REVIEWER	MCN	FILE	L11972



ENSECO-ERCO LABORATORY

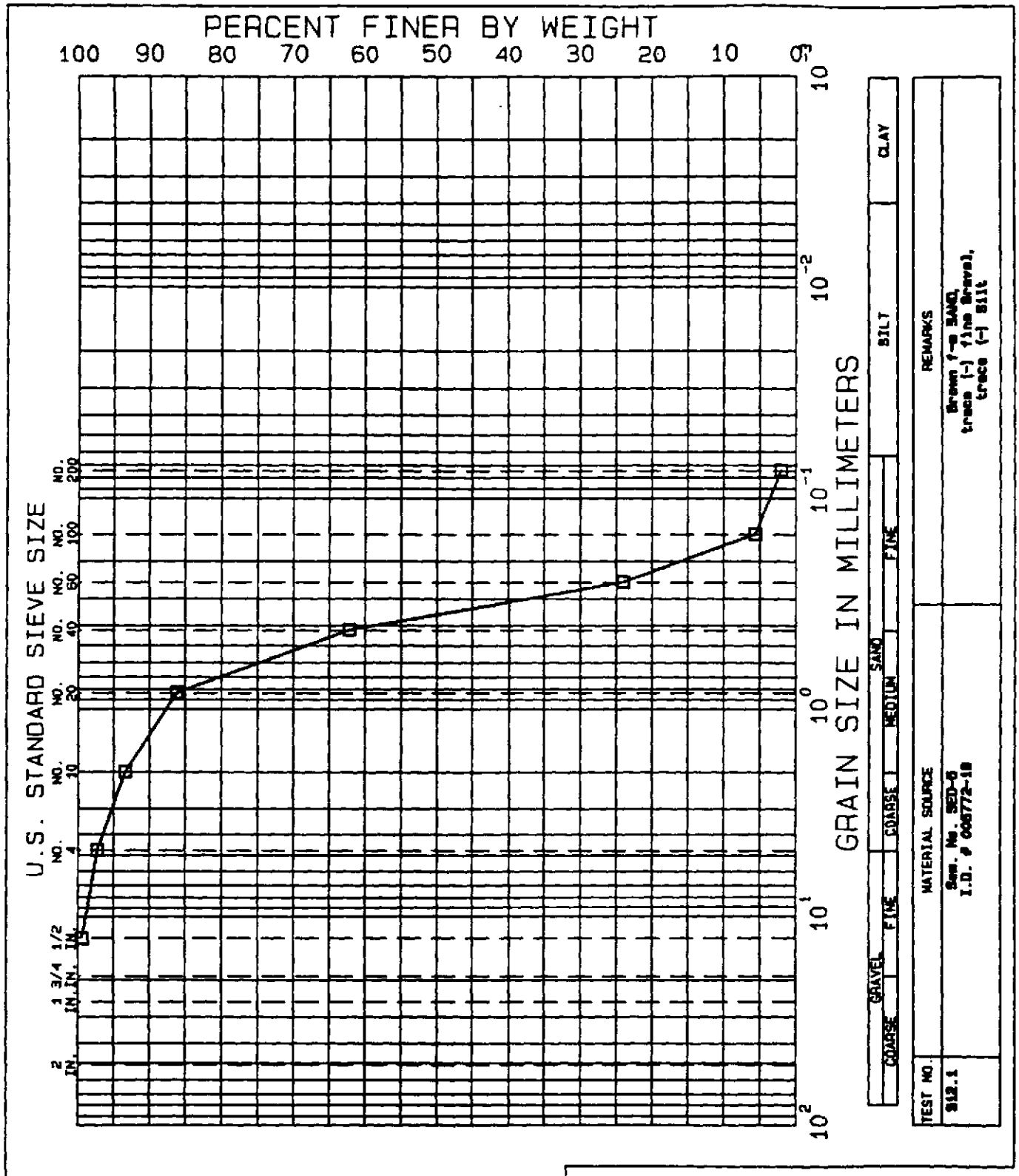
PROJECT # 056094

GRADATION TESTS

BORING NO.
SAMPLE SED-4
DEPTH
TECH. BM
REVIEWER MCM

TEST SERIES
NO. 11
DATE Aug 90

FILE L11972



ENSECO-ERCO LABORATORY

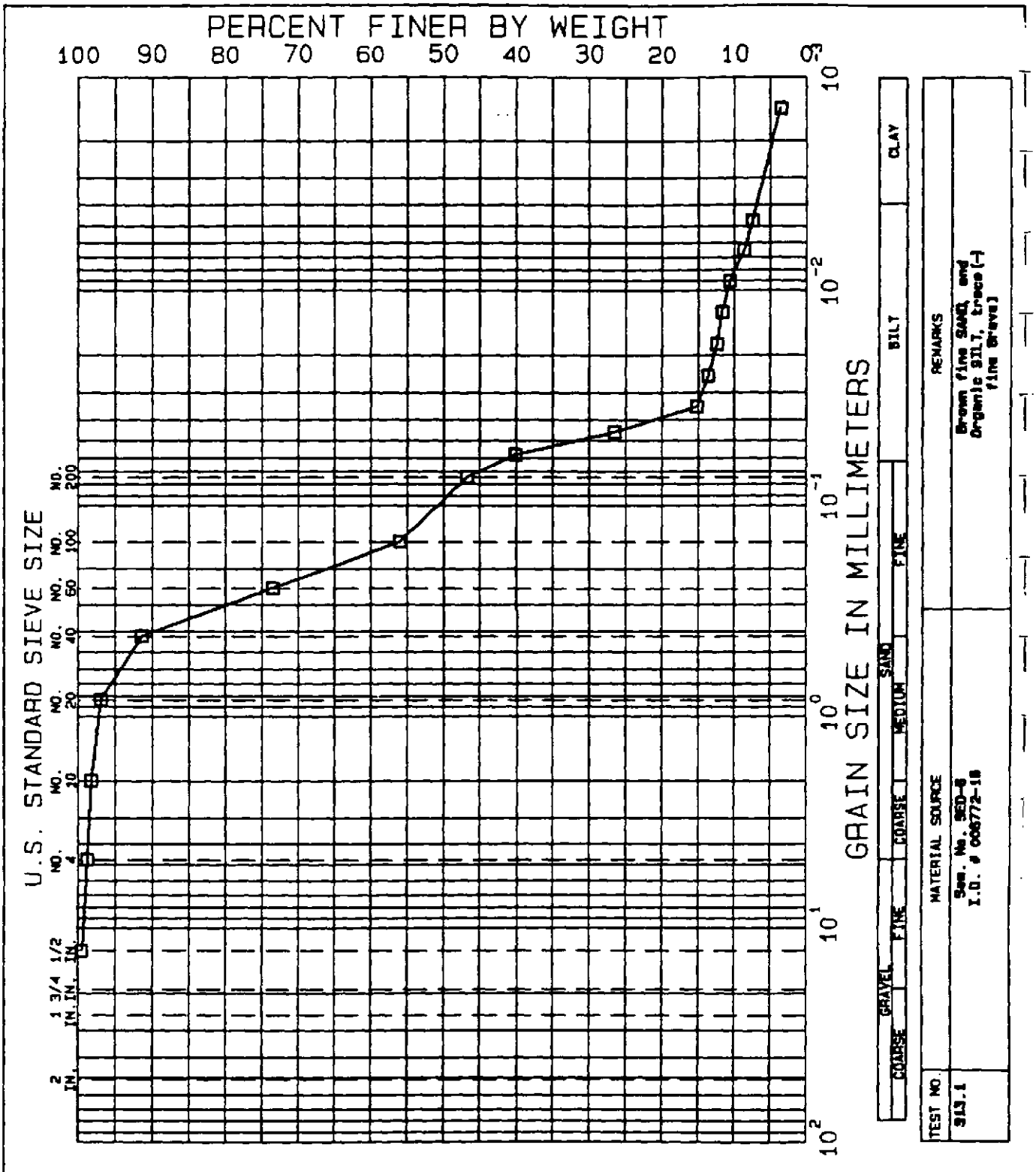
PROJECT # 066094

GRADATION TESTS

BORING NO.
SAMPLE SED-5
DEPTH
TECH. BM
REVIEWER MCM

TEST SERIES
NO. 12
DATE Aug 90

FILE L11973

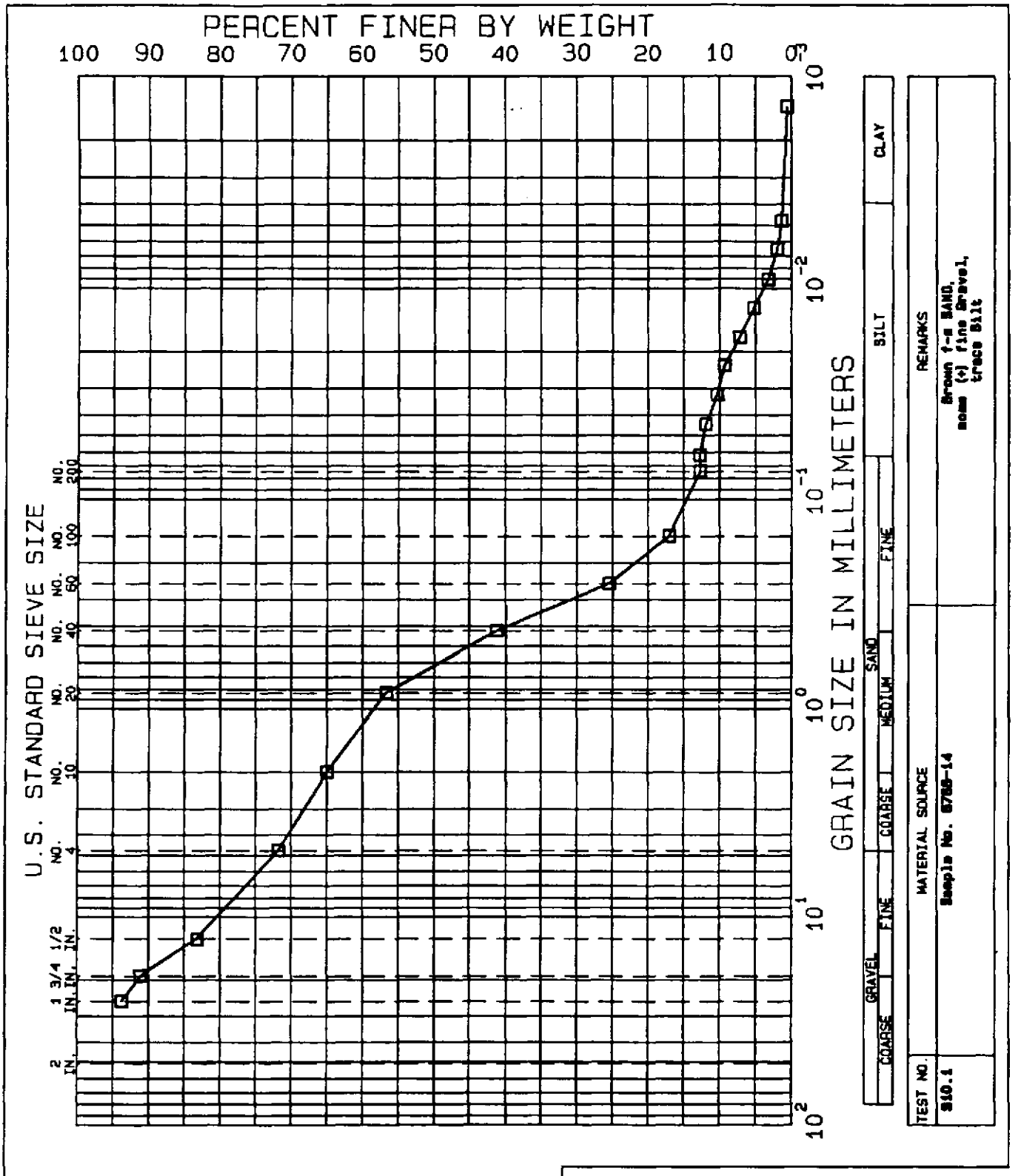


ENSECO-ERCO LABORATORY
PROJECT # 066904
GRADATION TESTS

BORING NO.
SAMPLE SED-6
DEPTH
TECH. BM
REVIEWER MCM

TEST SERIES
NO 13
DATE Aug 90

FILE L11973



ENSECO-ERCO LABORATORY

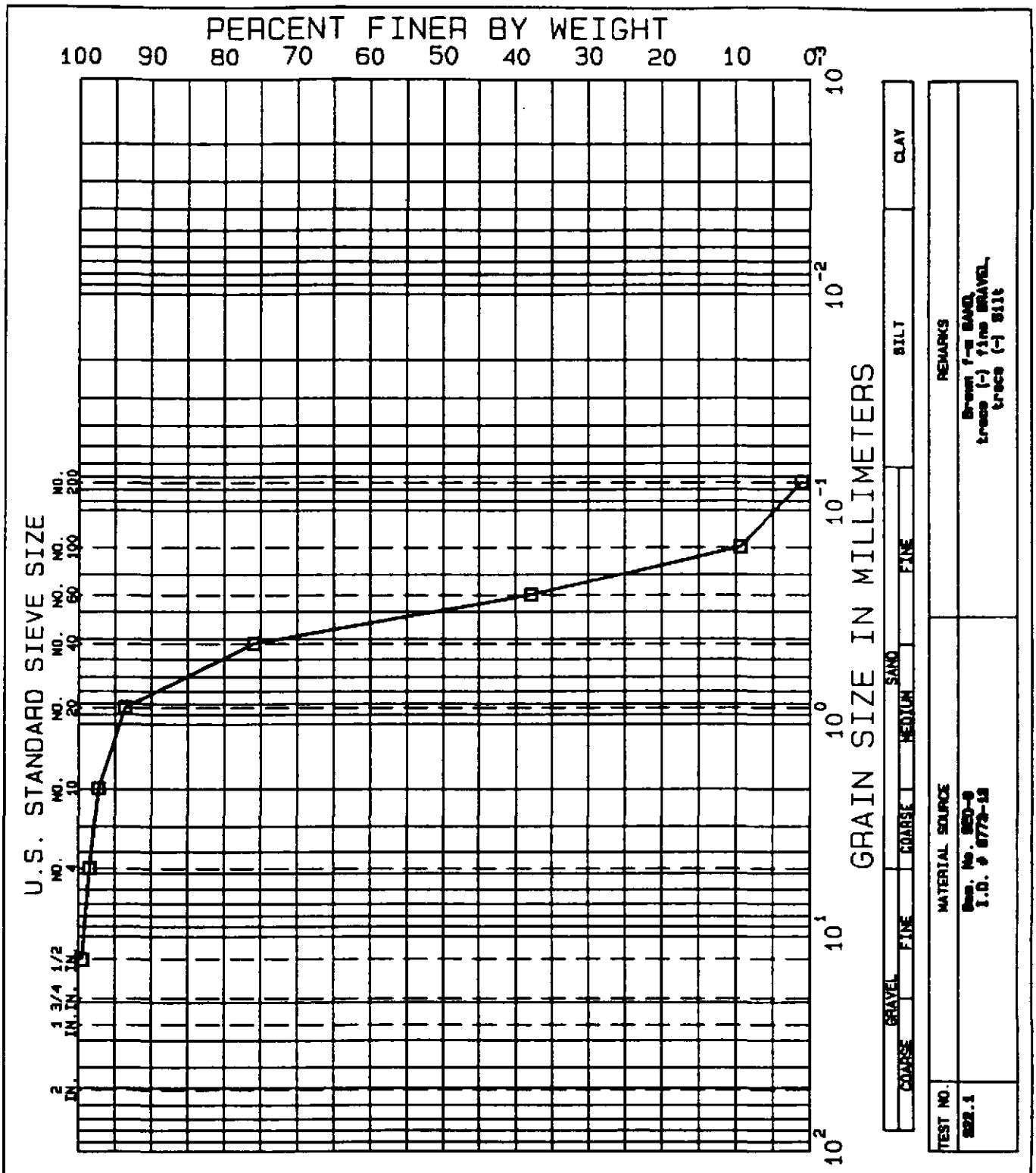
P.O.# 6768

GRADATION TESTS

BORING NO.
SAMPLE
DEPTH
TECH. BM
REVIEWER MGM

TEST SERIES
NO. 10
DATE July 98

FILE L11973



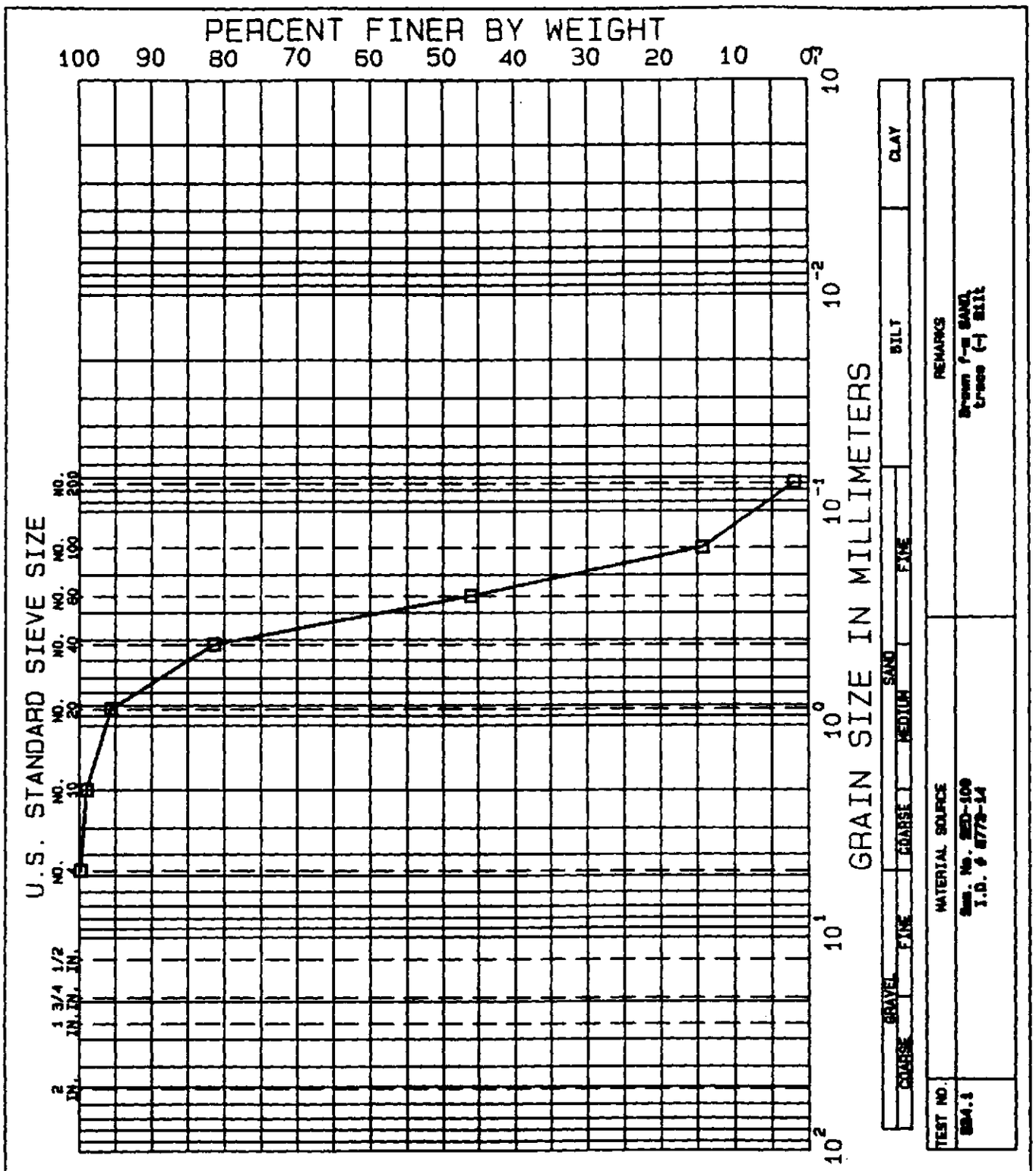
ENSECO-ERCO LABORATORY

PROJECT # 5773

GRADATION TESTS

BORING NO.		TEST SERIES	
SAMPLE	SED-8	NO.	SS
DEPTH		DATE	Aug 90
TECH.	SM		
REVIEWER	MCM	FILE	L11973

SED-8, replicate



ENSECO-ERCO LABORATORY

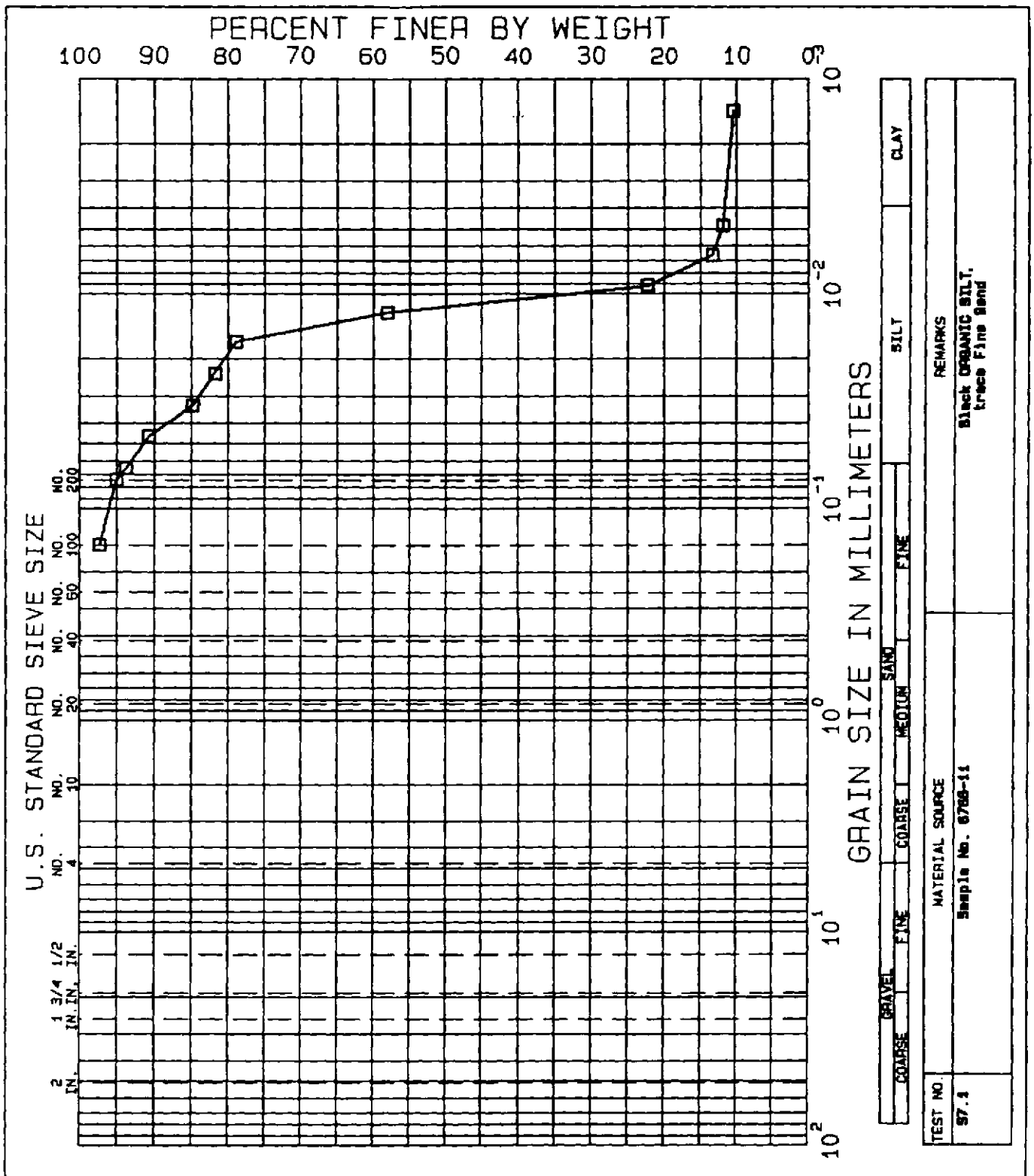
PROJECT # 6773

GRADATION TESTS

BORING NO.
SAMPLE
DEPTH
TECH. BM
REVIEWER MCM

TEST SERIES
NO. 24
DATE Aug 96

FILE L11972



ENSECO-ERCO LABORATORY

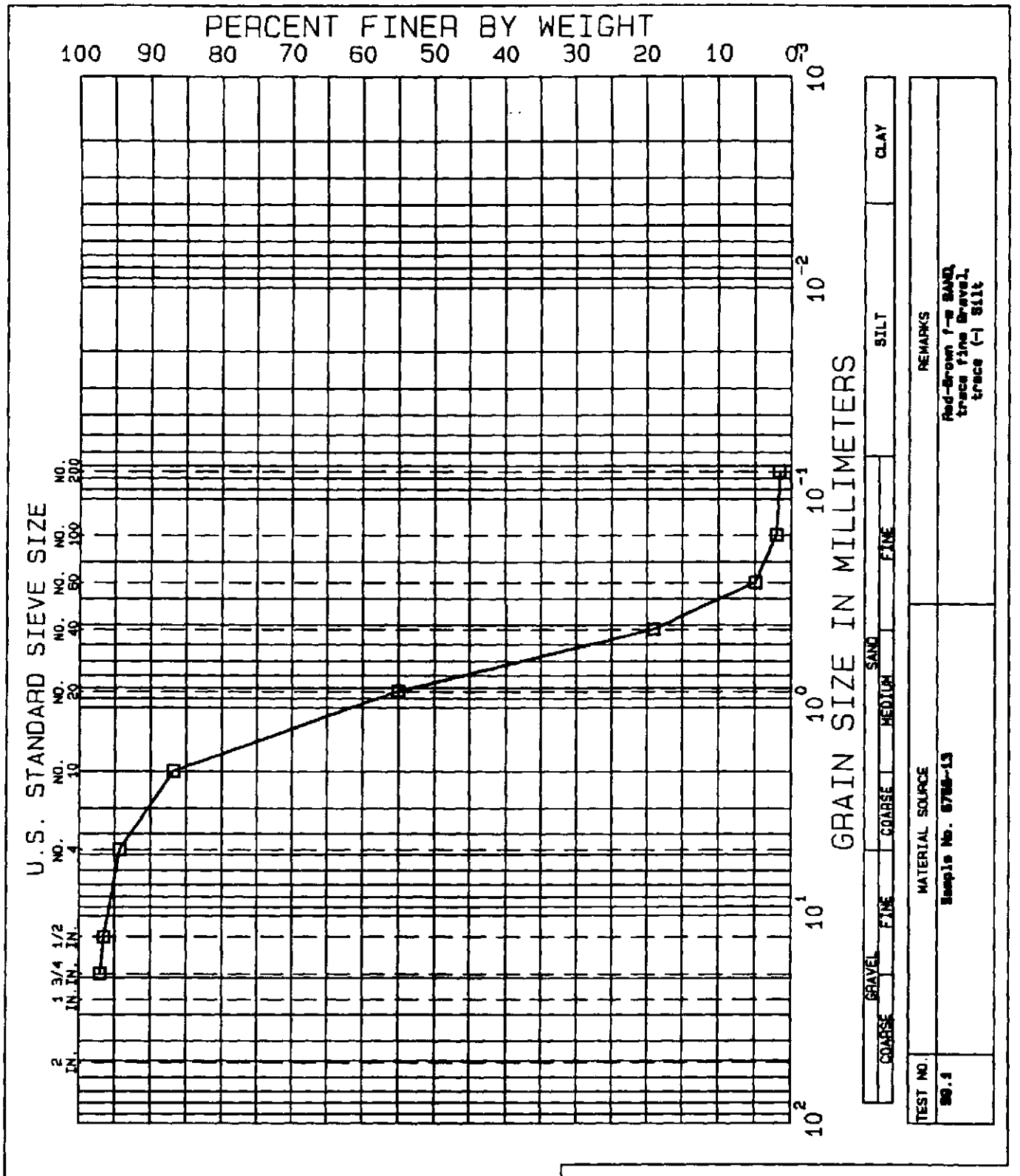
P.O.# 6768

GRADATION TESTS

BORING NO.
SAMPLE
DEPTH
TECH. BM
REVIEWER MCM

TEST SERIES NO. 7
DATE July 90

FILE L11972



ENSECO-ERCO LABORATORY

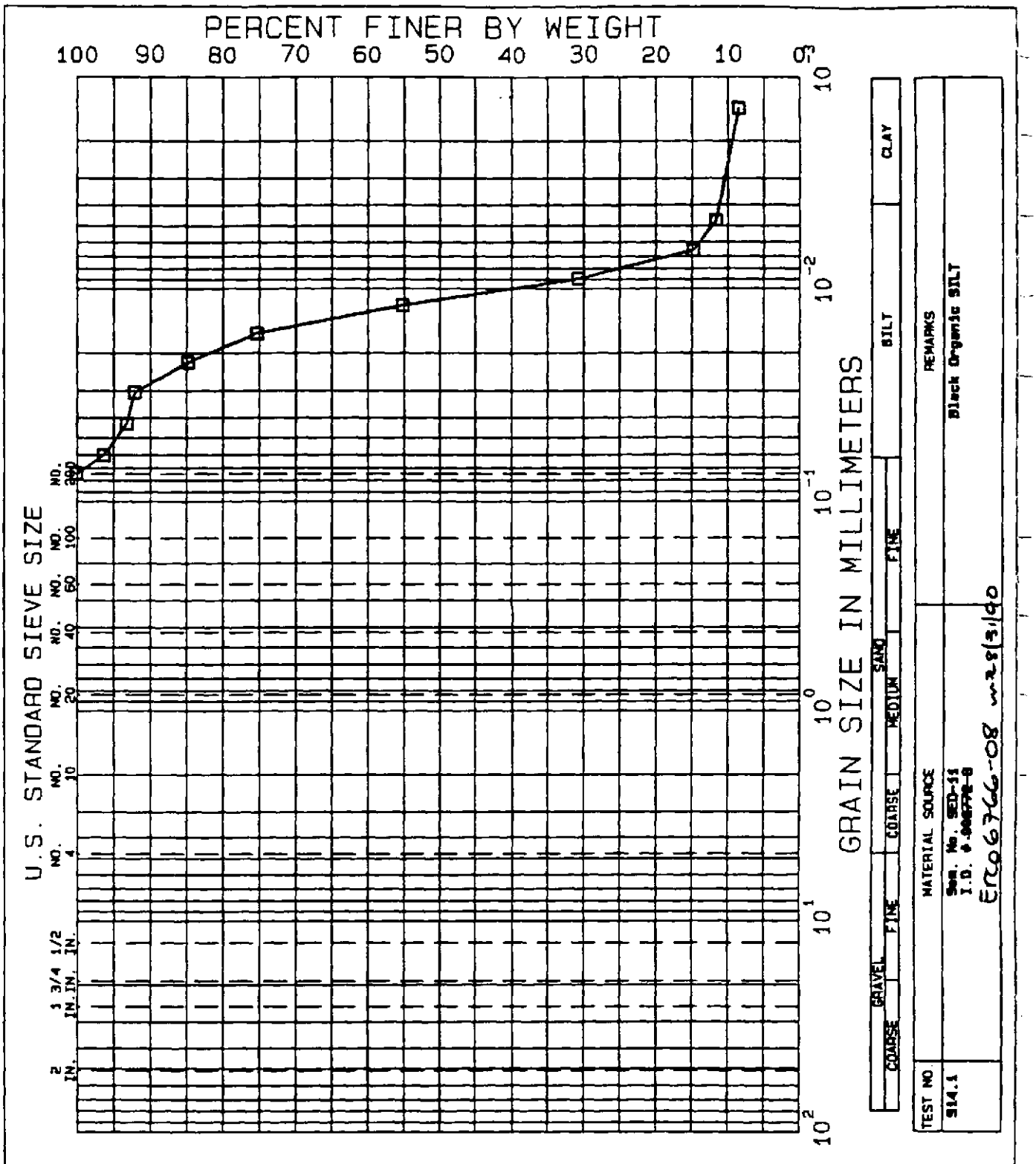
P.O.# 6768

GRADATION TESTS

BORING NO.
SAMPLE
DEPTH
TECH. BM
REVIEWER MCM

TEST SERIES
NO. B
DATE July 90

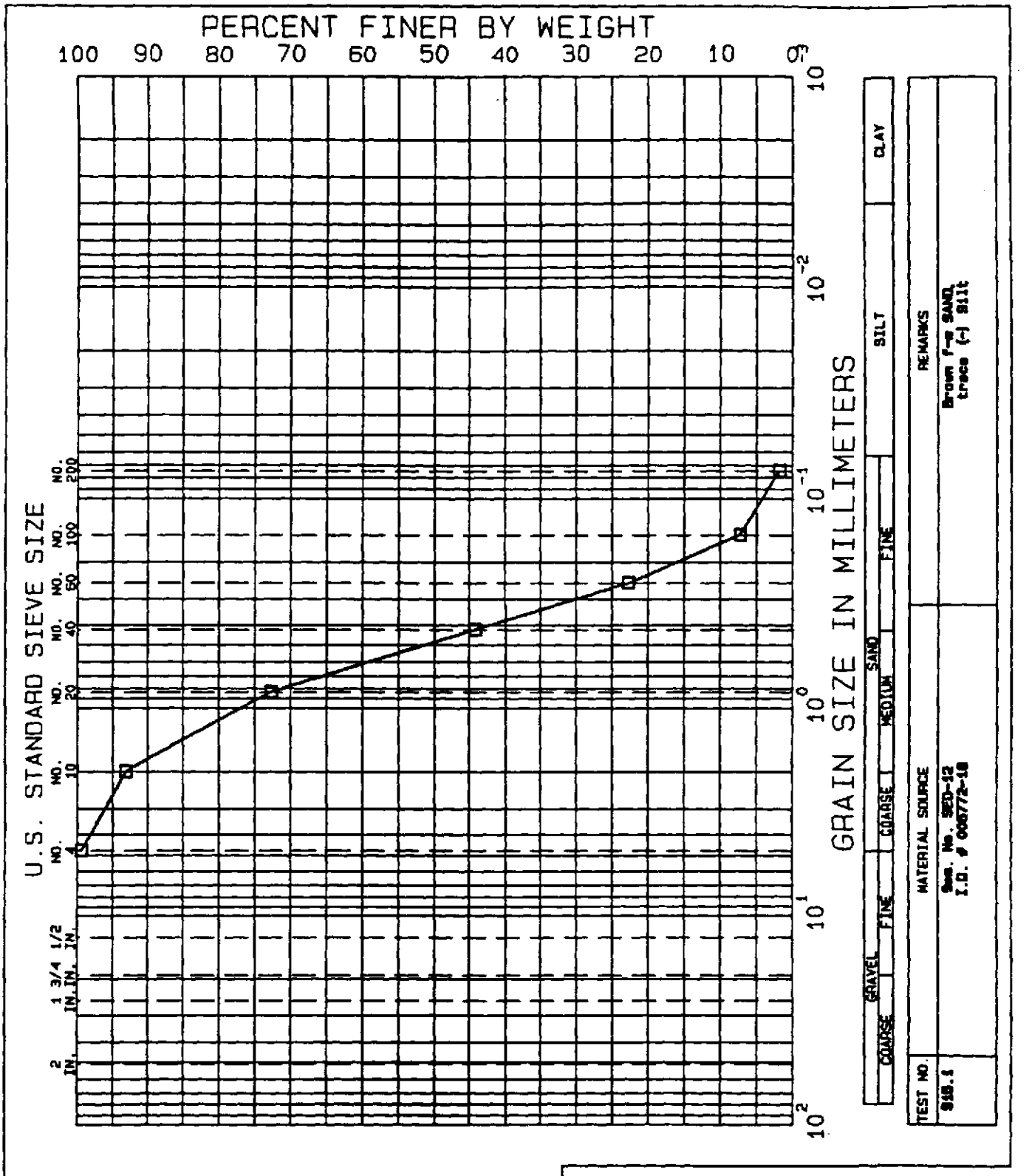
FILE L11973



ENSECO-ERCO LABORATORY
PROJECT # 056094
GRADATION TESTS

BORING NO.
SAMPLE SED-11
DEPTH
TECH. BM
REVIEWER MCK

TEST SERIES
NO. 14
DATE Aug 90
FILE L11972



ENSECO-ERCO LABORATORY

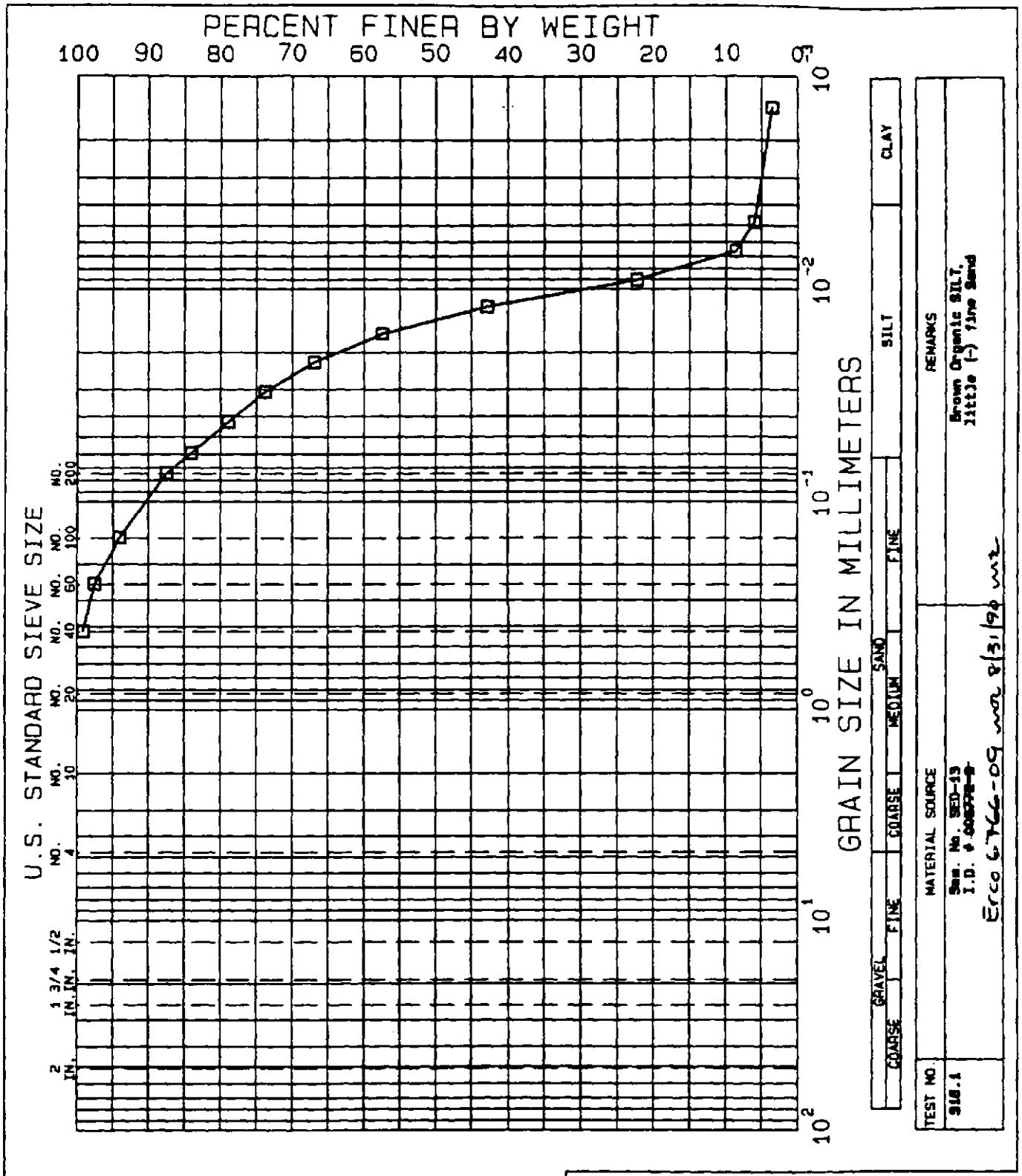
PROJECT # 066094

GRADATION TESTS

BORING NO.
SAMPLE SED-12
DEPTH
TECH. BM
REVIEWER MCM

TEST SERIES
NO. 15
DATE Aug 90

FILE L11972

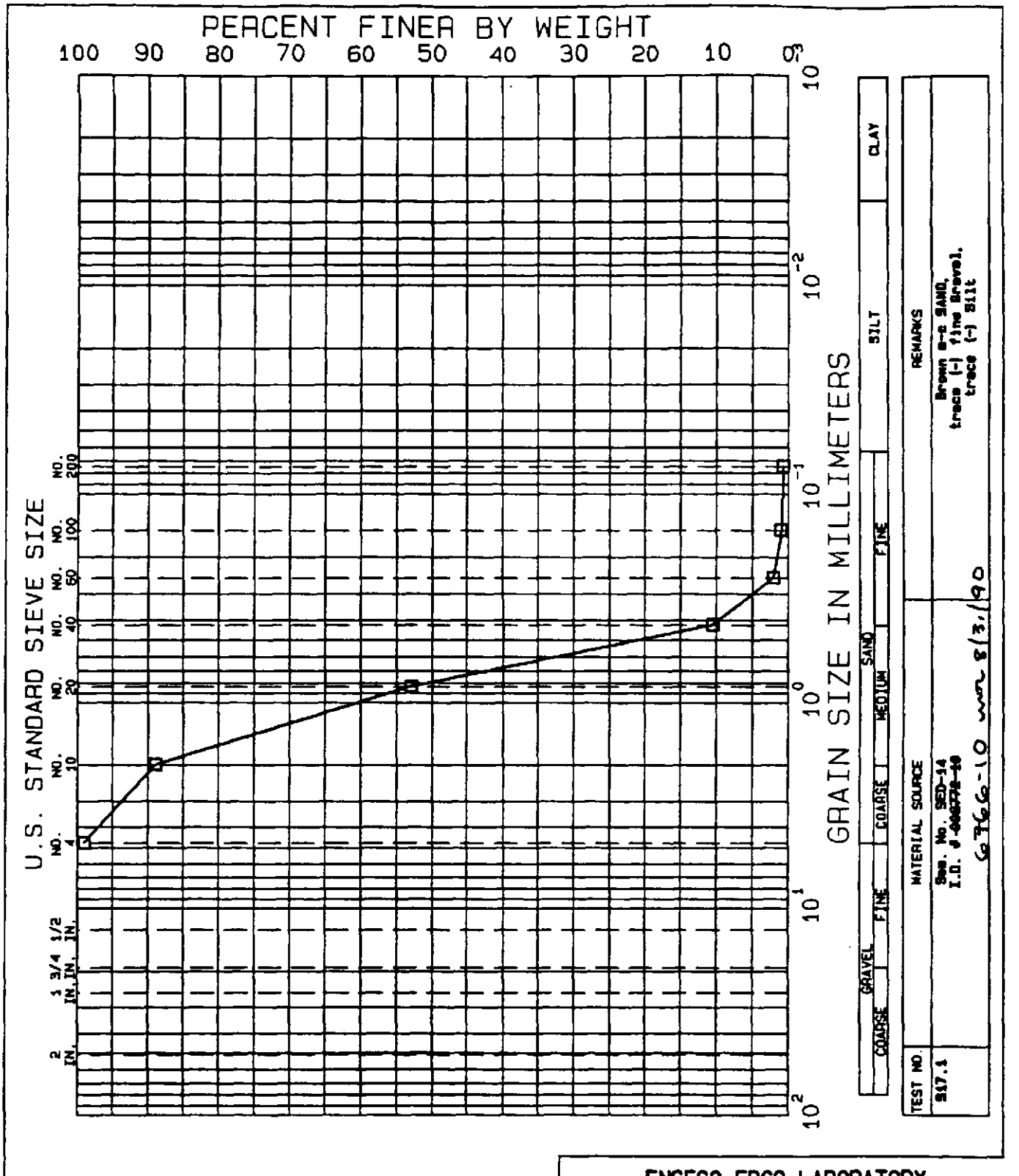


ENSECO-ERCO LABORATORY

PROJECT # 066094

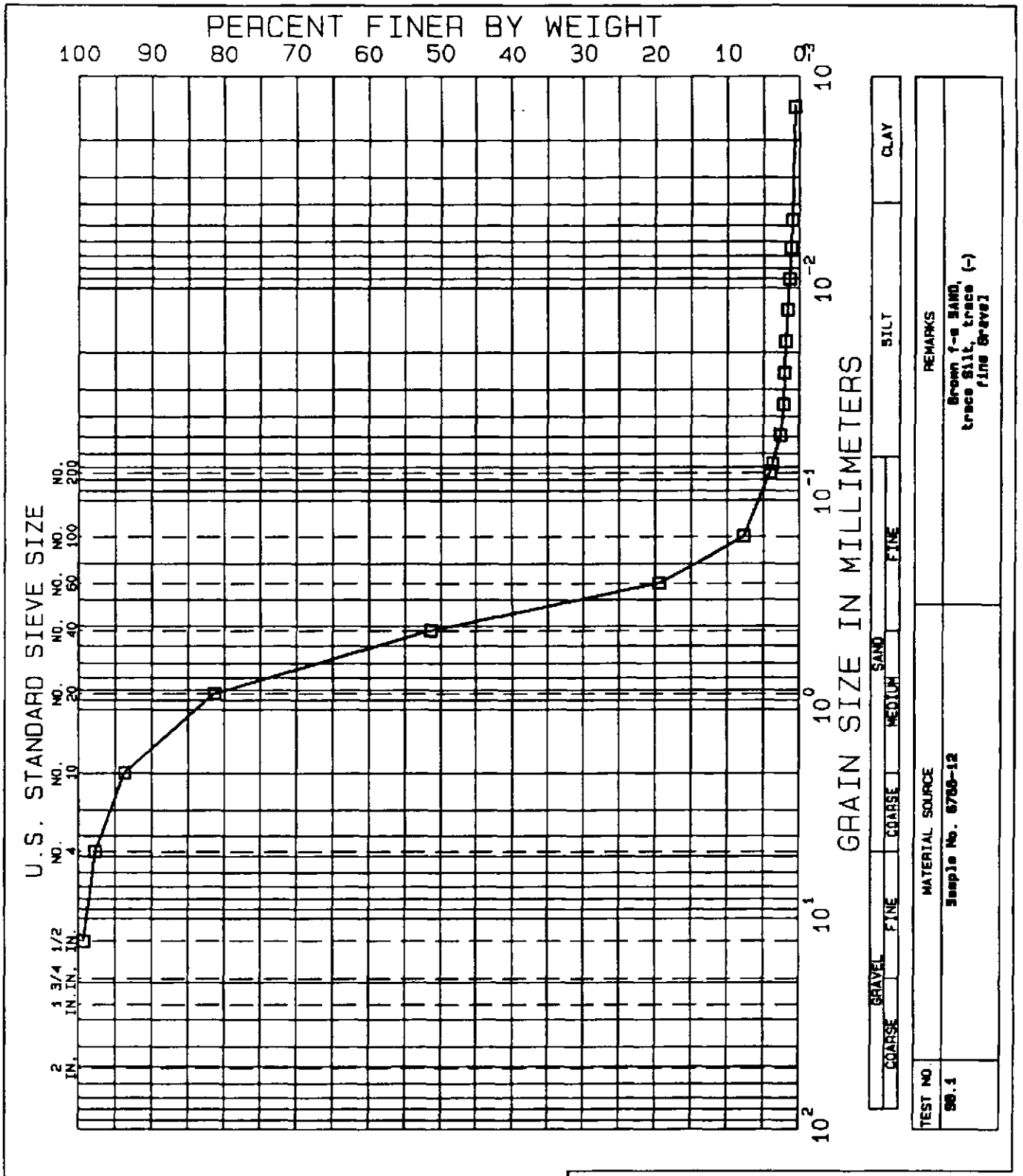
GRADATION TESTS

BORING NO.		TEST SERIES	
SAMPLE	SED-13	NO.	18
DEPTH		DATE	Aug 90
TECH.	BM		
REVIEWER	MCM	FILE	L11973



ENSECO-ERCO LABORATORY
PROJECT # 056094
GRADATION TESTS

BORING NO.		TEST SERIES	
SAMPLE	SED-14	NO.	17
DEPTH		DATE	Aug 90
TECH.	BN		
REVIEWER	MCM	FILE	L11972



ENSECO-ERCO LABORATORY

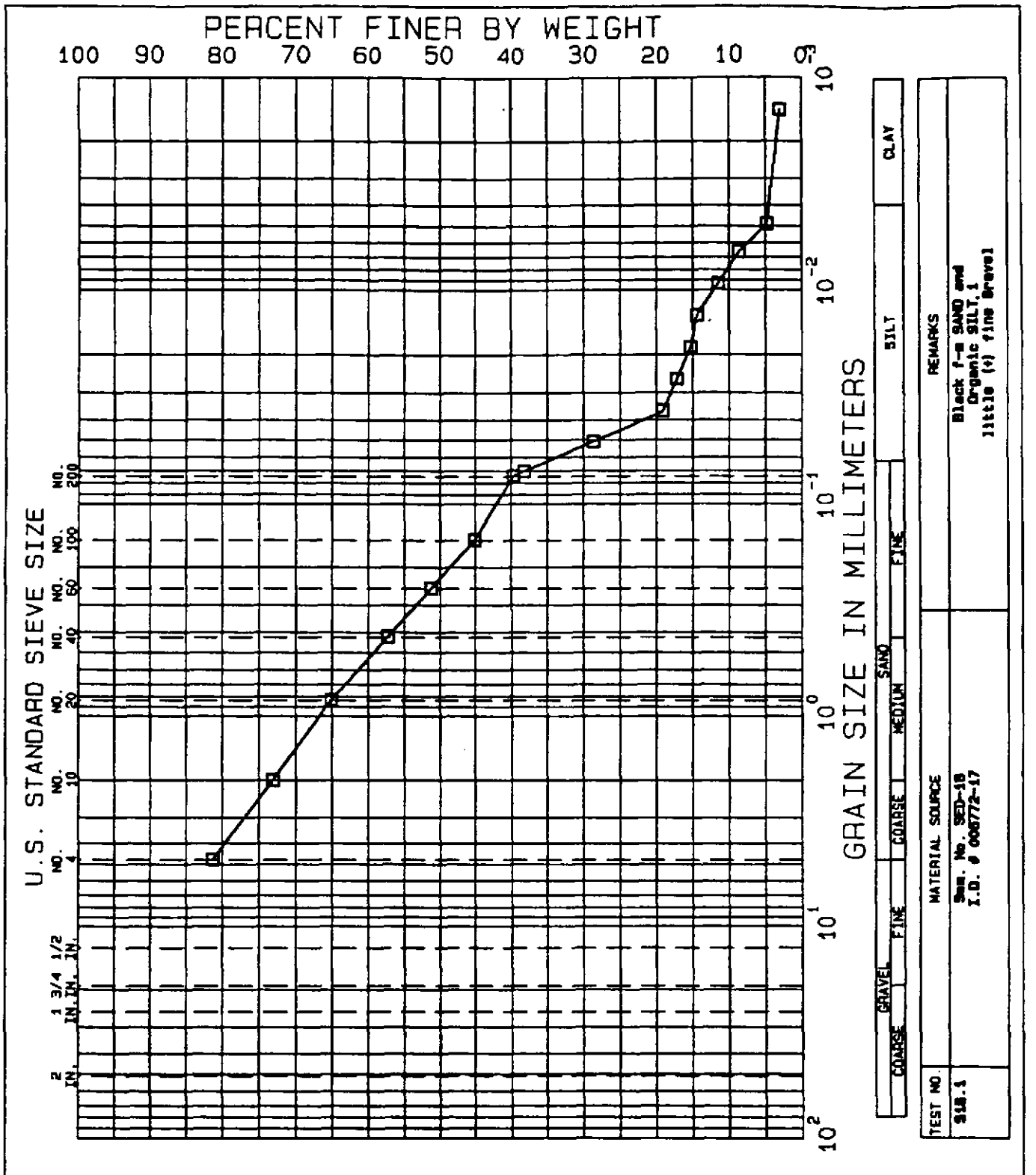
P.O.# 6768

GRADATION TESTS

BORING NO.
SAMPLE
DEPTH
TECH. BM
REVIEWER MCM

TEST SERIES
NO. 8
DATE July 90

FILE L11972

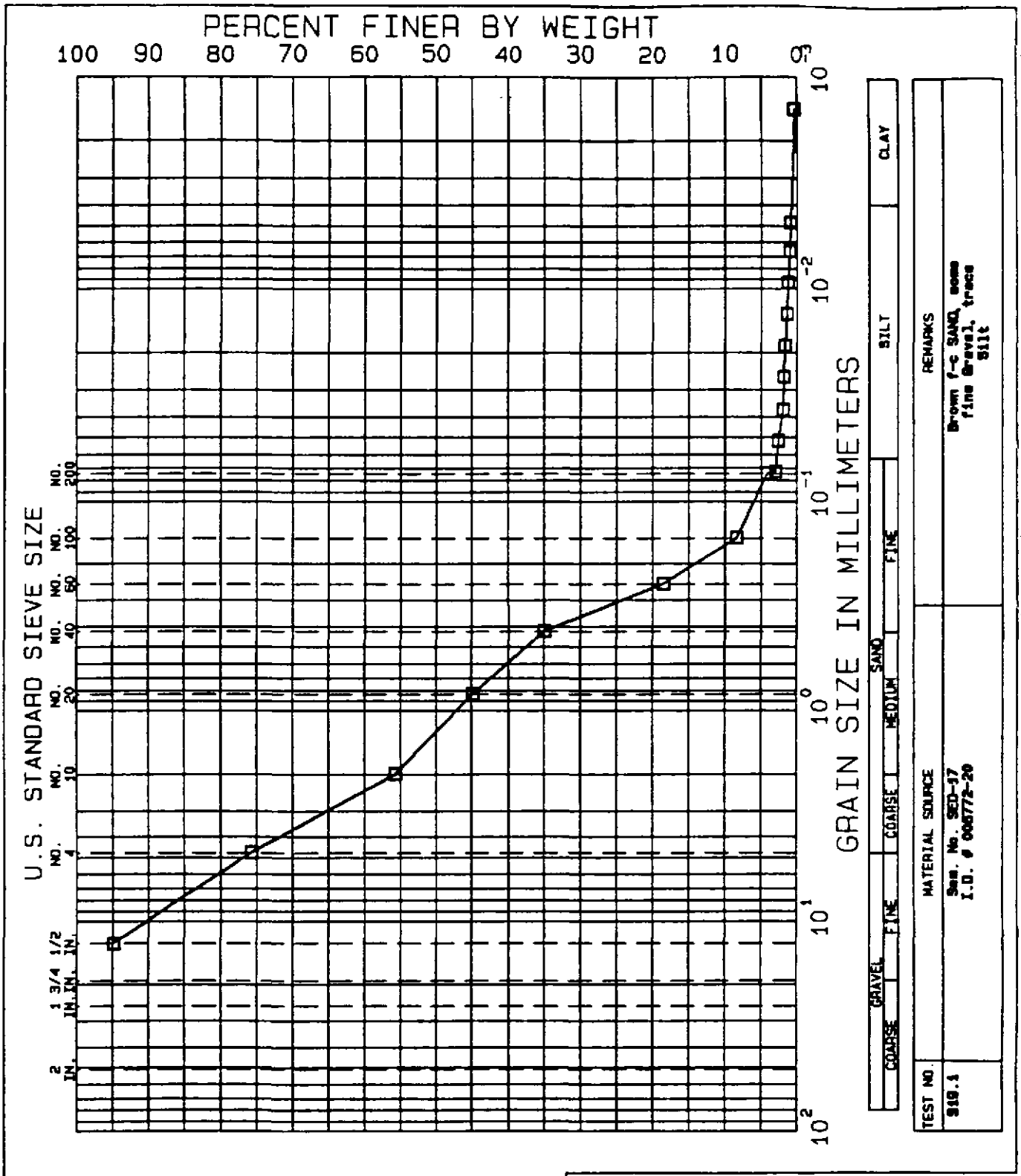


ENSECO-ERCO LABORATORY

PROJECT # 056094

GRADATION TESTS

BORING NO.		TEST SERIES	
SAMPLE	SED-16	NO.	18
DEPTH		DATE	Aug 90
TECH.	BM		
REVIEWER	MCW	FILE	L11972

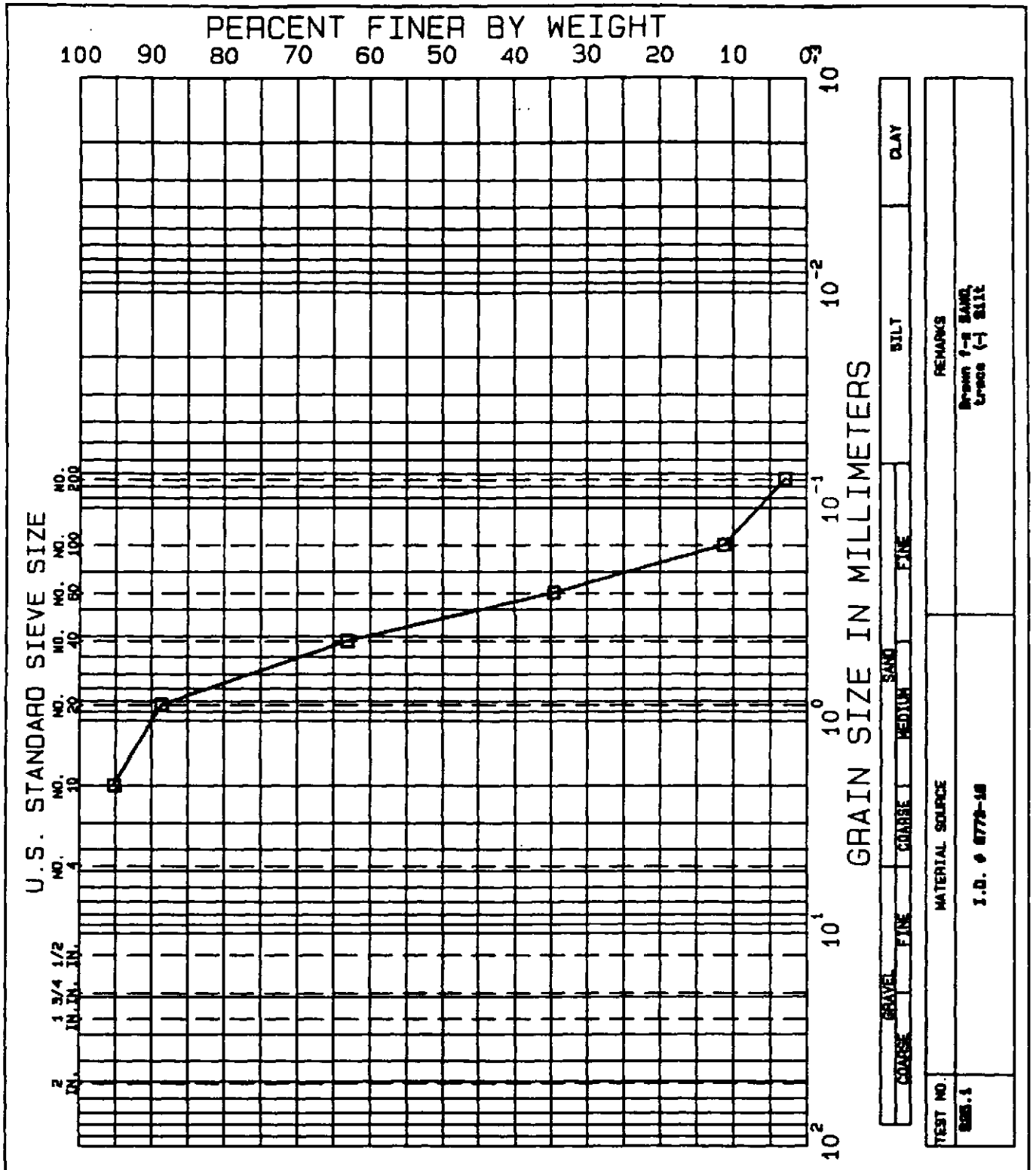


ENSECO-ERCO LABORATORY
PROJECT # 056094
GRADATION TESTS

BORING NO.
SAMPLE SED-17
DEPTH
TECH. BM
REVIEWER MCM

TEST SERIES
NO. 18
DATE Aug 90
FILE L11973

Core #1, 0.5'-0.9'



ENSECO-ERCO LABORATORY
PROJECT # 5773
GRADATION TESTS

BORING NO.
SAMPLE
DEPTH
TECH. BN
REVIEWER MCM

TEST SERIES
NO. 85
DATE Aug 90
FILE L11973