Click Here to Return to AR Index

Industri-Plex
5.6
32294

GROUND-WATER/SURFACE-WATER INVESTIGATION PLAN PHASE 1 REMEDIAL INVESTIGATION FINAL REPORT

Volume 4 of 5
Appendix C

June 7, 1991

Prepared for:

Industri-Plex Site Remedial Trust
36 Commerce Way
Woburn, Massachusetts

Prepared by:

Roux Associates, Inc.
Environmental Science and Engineering, Inc.
PTI Environmental Services

VOLUME 4

APPENDIX C

Data Summaries and Statistical Analyses

Section 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts

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

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

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

Section 6. Summary of Split Spoon Water Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

Section 7. Stream Sediment Grain Size Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

APPENDIX C

Data Summaries and Statistical Analyses

Section 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts

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

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

Section 5. Summary of Sewer-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

Section 6. Summary of Split Spoon Water Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

Section 7. Stream Sediment Grain Size Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

APPENDIX C

Data Summaries and Statistical Analyses

Section 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts

Appendix C

Section 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
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	25.0 A
Chloroethane, ug/L	10.0	3.0 J
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	1.0 J
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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 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	10.0	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 U
Chloroform, ug/L	5.0	< 5.0 U
Chloromethane, ug/L	10.0	2.0 R
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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	3.0 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	10.0	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-4

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
Acetone, ug/L	10.0	6.0 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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	12.0 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	10.0	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-6

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	13.0 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	10.0	< 10.0 U
Toluene, ug/L	5.0	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	3.0 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-7

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	04/25/90	04/25/90 Replicate
Acetone, ug/L	10.0	< 10.0 U	< 10.0 U
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	6.0 A	6.0 A
1,2-Dichloroethane, ug/L	5.0	< 5.0 U	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	3.0 A	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	2.0 A	2.0 A
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	21.0 R	19.0 R
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	15.0 A	15.0 A
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U	< 5.0 U
Trichloroethene, ug/L	5.0	36.0 A	35.0 A
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	13.0 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	10.0	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	1.0 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	10.0	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	2.0 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	10.0	< 10.0 U
Toluene, ug/L	5.0	1.0 R
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
Acetone, ug/L	10.0	16.0 R
Benzene, ug/L	5.0	46.0 A
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	8.0 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	10.0	< 10.0 U
Toluene, ug/L	5.0	4.0 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90	03/19/90 Replicate
Acetone, ug/L	10.0	< 10.0 U	5.0 J
Benzene, ug/L	5.0	4.0 J	4.0 J
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 U	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U	< 5.0 U
Methylene chloride, ug/L	5.0	< 5.0 UJ	< 5.0 UJ
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	10.0	< 10.0 U	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-14

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
Acetone, ug/L	10.0	< 10.0 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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	7.0 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	10.0	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-15

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	6.0 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	10.0	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
Acetone, ug/L	10.0	37000.0 R
Benzene, ug/L	5.0	< 2500.0 UJ
Bromodichloromethane, ug/L	5.0	< 2500.0 U
Bromoform, ug/L	5.0	< 2500.0 U
Bromomethane, ug/L	10.0	< 5000.0 U
2-Butanone, ug/L	10.0	< 5000.0 U
Carbon disulfide, ug/L	5.0	< 2500.0 U
Carbon tetrachloride, ug/L	5.0	< 2500.0 U
Chlorobenzene, ug/L	5.0	< 2500.0 U
Chloroethane, ug/L	10.0	< 5000.0 U
2-Chloroethylvinyl ether, ug/L	5.0	< 2500.0 U
Chloroform, ug/L	5.0	< 2500.0 U
Chloromethane, ug/L	10.0	< 5000.0 U
Dibromochloromethane, ug/L	5.0	< 2500.0 U
1,1-Dichloroethane, ug/L	5.0	< 2500.0 U
1,2-Dichloroethane, ug/L	5.0	< 2500.0 U
1,1-Dichloroethene, ug/L	5.0	< 2500.0 U
trans-1,2-Dichloroethene, ug/L	5.0	< 2500.0 U
1,2-Dichloropropane, ug/L	5.0	< 2500.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 2500.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 2500.0 U
Ethylbenzene, ug/L	5.0	< 2500.0 UJ
2-Hexanone, ug/L	5.0	< 2500.0 U
Methylene chloride, ug/L	5.0	780.0 R
4-Methyl-2-pentanone, ug/L	10.0	< 5000.0 U
Styrene, ug/L	5.0	< 2500.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 2500.0 U
Tetrachloroethene, ug/L	10.0	< 5000.0 U
Toluene, ug/L	5.0	29000.0 J
1,1,1-Trichloroethane, ug/L	5.0	< 2500.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 2500.0 U
Trichloroethene, ug/L	5.0	< 2500.0 U
Vinyl acetate, ug/L	10.0	< 5000.0 U
Vinyl chloride, ug/L	10.0	< 5000.0 U
Xylenes, total, ug/L	5.0	< 2500.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90	04/25/90
Acetone, ug/L	10.0	< 250.0 UJ	< 50.0 U
Benzene, ug/L	5.0	2000.0 J	660.0 A
Bromodichloromethane, ug/L	5.0	< 130.0 U	< 25.0 U
Bromoform, ug/L	5.0	< 130.0 U	< 25.0 U
Bromomethane, ug/L	10.0	< 250.0 U	< 50.0 U
2-Butanone, ug/L	10.0	< 250.0 U	< 50.0 U
Carbon disulfide, ug/L	5.0	< 130.0 U	< 25.0 U
Carbon tetrachloride, ug/L	5.0	< 130.0 U	< 25.0 U
Chlorobenzene, ug/L	5.0	< 130.0 U	< 25.0 U
Chloroethane, ug/L	10.0	< 250.0 U	< 50.0 U
2-Chloroethylvinyl ether, ug/L	5.0	< 130.0 U	-
Chloroform, ug/L	5.0	< 130.0 U	< 25.0 U
Chloromethane, ug/L	10.0	< 250.0 U	< 50.0 U
Dibromochloromethane, ug/L	5.0	< 130.0 U	< 25.0 U
1,1-Dichloroethane, ug/L	5.0	< 130.0 U	< 25.0 U
1,2-Dichloroethane, ug/L	5.0	< 130.0 U	< 25.0 U
1,1-Dichloroethene, ug/L	5.0	< 130.0 U	< 25.0 U
1,2-Dichloroethene, total, ug/L	5.0	-	< 25.0 U
trans-1,2-Dichloroethene, ug/L	5.0	< 130.0 U	-
1,2-Dichloropropane, ug/L	5.0	< 130.0 U	< 25.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 130.0 U	< 25.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 130.0 U	< 25.0 U
Ethylbenzene, ug/L	5.0	< 130.0 UJ	< 25.0 U
2-Hexanone, ug/L	10.0	< 130.0 U	< 50.0 U
Methylene chloride, ug/L	5.0	160.0 R	96.0 R
4-Methyl-2-pentanone, ug/L	10.0	< 250.0 U	< 50.0 U
Styrene, ug/L	5.0	< 130.0 U	< 25.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 130.0 U	< 25.0 U
Tetrachloroethene, ug/L	5.0	< 250.0 U	< 25.0 U
Toluene, ug/L	5.0	< 130.0 UJ	< 25.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 130.0 U	< 25.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 130.0 U	< 25.0 U
Trichloroethene, ug/L	5.0	< 130.0 U	< 25.0 U
Vinyl acetate, ug/L	10.0	< 250.0 U	< 50.0 U
Vinyl chloride, ug/L	10.0	< 250.0 U	< 50.0 U
Xylenes, total, ug/L	5.0	< 130.0 UJ	13.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
Acetone, ug/L	10.0	6.0 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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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	2.0 J
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
trans-1,2-Dichloroethene, 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	5.0	< 5.0 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	10.0	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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	2.0 J
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	9.0 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	10.0	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
Acetone, ug/L	10.0	6.0 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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	6.0 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	10.0	< 10.0 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	1.0 J
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
Acetone, ug/L	10.0	11.0 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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 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	10.0	< 10.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-20

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
Acetone, ug/L	10.0	9.0 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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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 A
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
trans-1,2-Dichloroethene, ug/L	5.0	28.0 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	5.0	< 5.0 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	10.0	< 10.0 U
Toluene, ug/L	5.0	3.0 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/21/90	03/21/90 Replicate
Acetone, ug/L	10.0	2.0 R	1.0 R
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 U	< 5.0 U
Chloroform, ug/L	5.0	2.0 J	2.0 J
Chloromethane, ug/L	10.0	1.0 R	< 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U	< 5.0 U
Methylene chloride, ug/L	5.0	2.0 R	3.0 R
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	10.0	< 10.0 U	< 10.0 U
Toluene, ug/L	5.0	8.0 J	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/21/90
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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 U
Chloroform, ug/L	5.0	6.0 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
trans-1,2-Dichloroethene, 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	5.0	< 5.0 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	10.0	< 10.0 U
Toluene, ug/L	5.0	1.0 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	03/22/90
Acetone, ug/L	10.0	9.0 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
2-Chloroethylvinyl ether, ug/L	5.0	< 5.0 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	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U
trans-1,2-Dichloroethene, 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	5.0	< 5.0 U
Methylene chloride, ug/L	5.0	2.0 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	10.0	< 10.0 U
Toluene, ug/L	5.0	38.0 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
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 UJ
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 UJ
Benzyl alcohol, ug/L	10.0	4.0 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	< 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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
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 UJ
Nitrobenzene, ug/L	10.0	< 10.0 UJ
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 UJ
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-4

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 20.0 UJ
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-4

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-6

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
Acenaphthene, ug/L	10.0	< 13.0 U
Acenaphthylene, ug/L	10.0	< 13.0 U
Anthracene, ug/L	10.0	< 13.0 U
Benzo (a) anthracene, ug/L	10.0	< 13.0 U
Benzo (a) pyrene, ug/L	10.0	< 13.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 13.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 13.0 U
Benzoic acid, ug/L	50.0	< 63.0 UJ
Benzo (k) fluoranthene, ug/L	10.0	< 13.0 U
Benzyl alcohol, ug/L	10.0	< 13.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 13.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 13.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 13.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 13.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 13.0 U
Butylbenzylphthalate, ug/L	10.0	< 13.0 U
4-Chloroaniline, ug/L	10.0	< 13.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 13.0 U
2-Chloronaphthalene, ug/L	10.0	< 13.0 U
2-Chlorophenol, ug/L	10.0	< 13.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 13.0 U
Chrysene, ug/L	10.0	< 13.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 13.0 U
Dibenzofuran, ug/L	10.0	< 13.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 13.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 13.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 13.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 25.0 U
2,4-Dichlorophenol, ug/L	10.0	< 13.0 U
Diethylphthalate, ug/L	10.0	< 13.0 U
2,4-Dimethylphenol, ug/L	10.0	< 13.0 U
Dimethyl phthalate, ug/L	10.0	< 13.0 U
Di-n-butylphthalate, ug/L	10.0	< 13.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 63.0 U
2,4-Dinitrophenol, ug/L	50.0	< 63.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-6

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
2,4-Dinitrotoluene, ug/L	10.0	< 13.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 13.0 U
Di-n-octyl phthalate, ug/L	10.0	< 13.0 U
Fluoranthene, ug/L	10.0	< 13.0 U
Fluorene, ug/L	10.0	< 13.0 U
Hexachlorobenzene, ug/L	10.0	< 13.0 U
Hexachlorobutadiene, ug/L	10.0	< 13.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 13.0 U
Hexachloroethane, ug/L	10.0	< 13.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 13.0 U
Isophorone, ug/L	10.0	< 13.0 U
2-Methylnaphthalene, ug/L	10.0	< 13.0 U
2-Methylphenol, ug/L	10.0	< 13.0 U
4-Methylphenol, ug/L	10.0	< 13.0 U
Naphthalene, ug/L	10.0	< 13.0 U
2-Nitroaniline, ug/L	50.0	< 63.0 U
3-Nitroaniline, ug/L	50.0	< 63.0 U
4-Nitroaniline, ug/L	50.0	< 63.0 UJ
Nitrobenzene, ug/L	10.0	< 13.0 U
2-Nitrophenol, ug/L	10.0	< 13.0 U
4-Nitrophenol, ug/L	50.0	< 63.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 13.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 13.0 U
Pentachlorophenol, ug/L	50.0	< 63.0 U
Phenanthrene, ug/L	10.0	< 13.0 U
Phenol, ug/L	10.0	< 13.0 U
Pyrene, ug/L	10.0	< 13.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 13.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 63.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 13.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-7

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	04/25/90	04/25/90 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-7

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	04/25/90	04/25/90 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	< 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 UJ	< 50.0 UJ
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 1. Summary of Ground-Water Quality Date, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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 UJ
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
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 UJ
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	3.0 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	< 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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
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 UJ
Nitrobenzene, ug/L	10.0	< 10.0 UJ
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
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 UJ
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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
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 UJ
Nitrobenzene, ug/L	10.0	< 10.0 UJ
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	2.0 J
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
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	58.0 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 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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
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 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	3.0 J
Pentachlorophenol, ug/L	50.0	< 50.0 U
Phenanthrene, ug/L	10.0	< 10.0 U
Phenol, ug/L	10.0	3.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90	03/19/90 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	7.0 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	< 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 UJ
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90	03/19/90 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	< 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 UJ	< 50.0 UJ
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-14

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
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 UJ
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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-14

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
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 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-15

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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 UJ
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-15

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/19/90
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 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
Acenaphthene, ug/L	10.0	< 200.0 U
Acenaphthylene, ug/L	10.0	< 200.0 U
Anthracene, ug/L	10.0	< 200.0 U
Benzo (a) anthracene, ug/L	10.0	< 200.0 U
Benzo (a) pyrene, ug/L	10.0	< 200.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 200.0 UJ
Benzo (g,h,i) perylene, ug/L	10.0	< 200.0 U
Benzoic acid, ug/L	50.0	2000.0 J
Benzo (k) fluoranthene, ug/L	10.0	< 200.0 UJ
Benzyl alcohol, ug/L	10.0	< 200.0 UJ
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 200.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 200.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 200.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	64.0 A
4-Bromophenyl-phenylether, ug/L	10.0	< 200.0 U
Butylbenzylphthalate, ug/L	10.0	< 200.0 U
4-Chloroaniline, ug/L	10.0	< 200.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 200.0 U
2-Chloronaphthalene, ug/L	10.0	< 200.0 U
2-Chlorophenol, ug/L	10.0	< 200.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 200.0 U
Chrysene, ug/L	10.0	< 200.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 200.0 U
Dibenzofuran, ug/L	10.0	< 200.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 200.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 200.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 200.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 400.0 U
2,4-Dichlorophenol, ug/L	10.0	< 200.0 U
Diethylphthalate, ug/L	10.0	< 200.0 U
2,4-Dimethylphenol, ug/L	10.0	< 200.0 UJ
Dimethyl phthalate, ug/L	10.0	< 200.0 U
Di-n-butylphthalate, ug/L	10.0	< 200.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 1000.0 U
2,4-Dinitrophenol, ug/L	50.0	< 1000.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/20/90
2,4-Dinitrotoluene, ug/L	10.0	< 200.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 200.0 U
Di-n-octyl phthalate, ug/L	10.0	< 200.0 U
Fluoranthene, ug/L	10.0	< 200.0 U
Fluorene, ug/L	10.0	< 200.0 U
Hexachlorobenzene, ug/L	10.0	< 200.0 U
Hexachlorobutadiene, ug/L	10.0	< 200.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 200.0 U
Hexachloroethane, ug/L	10.0	< 200.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 200.0 U
Isophorone, ug/L	10.0	< 200.0 UJ
2-Methylnaphthalene, ug/L	10.0	< 200.0 U
2-Methylphenol, ug/L	10.0	< 200.0 U
4-Methylphenol, ug/L	10.0	3400.0 A
Naphthalene, ug/L	10.0	< 200.0 UJ
2-Nitroaniline, ug/L	50.0	< 1000.0 U
3-Nitroaniline, ug/L	50.0	< 1000.0 U
4-Nitroaniline, ug/L	50.0	< 1000.0 UJ
Nitrobenzene, ug/L	10.0	< 200.0 U
2-Nitrophenol, ug/L	10.0	< 200.0 U
4-Nitrophenol, ug/L	50.0	< 1000.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 200.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 200.0 U
Pentachlorophenol, ug/L	50.0	< 1000.0 U
Phenanthrene, ug/L	10.0	< 200.0 U
Phenol, ug/L	10.0	130.0 A
Pyrene, ug/L	10.0	< 200.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 200.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 1000.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 200.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
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 UJ
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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
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 UJ
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	6.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
Acenaphthene, ug/L	10.0	< 13.0 U
Acenaphthylene, ug/L	10.0	< 13.0 U
Anthracene, ug/L	10.0	< 13.0 U
Benzo (a) anthracene, ug/L	10.0	< 13.0 U
Benzo (a) pyrene, ug/L	10.0	< 13.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 13.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 13.0 U
Benzoic acid, ug/L	50.0	< 63.0 UJ
Benzo (k) fluoranthene, ug/L	10.0	< 13.0 U
Benzyl alcohol, ug/L	10.0	< 13.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 13.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 13.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 13.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 13.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 13.0 U
Butylbenzylphthalate, ug/L	10.0	< 13.0 U
4-Chloroaniline, ug/L	10.0	< 13.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 13.0 U
2-Chloronaphthalene, ug/L	10.0	< 13.0 U
2-Chlorophenol, ug/L	10.0	< 13.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 13.0 U
Chrysene, ug/L	10.0	< 13.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 13.0 U
Dibenzofuran, ug/L	10.0	< 13.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 13.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 13.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 13.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 25.0 U
2,4-Dichlorophenol, ug/L	10.0	< 13.0 U
Diethylphthalate, ug/L	10.0	< 13.0 U
2,4-Dimethylphenol, ug/L	10.0	< 13.0 U
Dimethyl phthalate, ug/L	10.0	< 13.0 U
Di-n-butylphthalate, ug/L	10.0	< 13.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 63.0 U
2,4-Dinitrophenol, ug/L	50.0	< 63.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
2,4-Dinitrotoluene, ug/L	10.0	< 13.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 13.0 U
Di-n-octyl phthalate, ug/L	10.0	< 13.0 U
Fluoranthene, ug/L	10.0	< 13.0 U
Fluorene, ug/L	10.0	< 13.0 U
Hexachlorobenzene, ug/L	10.0	< 13.0 U
Hexachlorobutadiene, ug/L	10.0	< 13.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 13.0 U
Hexachloroethane, ug/L	10.0	< 13.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 13.0 U
Isophorone, ug/L	10.0	< 13.0 U
2-Methylnaphthalene, ug/L	10.0	< 13.0 U
2-Methylphenol, ug/L	10.0	< 13.0 U
4-Methylphenol, ug/L	10.0	< 13.0 U
Naphthalene, ug/L	10.0	< 13.0 U
2-Nitroaniline, ug/L	50.0	< 63.0 U
3-Nitroaniline, ug/L	50.0	< 63.0 UJ
4-Nitroaniline, ug/L	50.0	< 63.0 UJ
Nitrobenzene, ug/L	10.0	< 13.0 U
2-Nitrophenol, ug/L	10.0	< 13.0 U
4-Nitrophenol, ug/L	50.0	< 63.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 13.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 13.0 U
Pentachlorophenol, ug/L	50.0	< 63.0 U
Phenanthrene, ug/L	10.0	< 13.0 U
Phenol, ug/L	10.0	< 13.0 U
Pyrene, ug/L	10.0	< 13.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 13.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 63.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 13.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
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 UJ
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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/15/90
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 UJ
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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
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 UJ
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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
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 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
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 UJ
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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
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 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-20

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-20

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/16/90
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 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/21/90	03/21/90 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/21/90	03/21/90 Replicate
2,4-Dinitrophenol, ug/L	50.0	< 50.0 UJ	< 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	< 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 UJ	< 50.0 UJ
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/21/90
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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/21/90
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 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/22/90
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 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	03/22/90
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 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	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/20/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/20/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1A

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/19/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/19/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-4

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/19/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/19/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-6

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/16/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/16/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-7

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	04/25/90	04/25/90 Replicate
Aldrin, ug/L	0.05	< 0.05 U	< 0.05 U
alpha-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
beta-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
delta-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
gamma-BHC (Lindane), ug/L	0.05	< 0.05 U	< 0.05 U
alpha-Chlordane, ug/L	0.05	< 0.05 U	< 0.05 U
gamma-Chlordane, ug/L	0.05	< 0.05 U	< 0.05 U
4,4'-DDD, ug/L	0.1	< 0.1 U	< 0.1 U
4,4'-DDE, ug/L	0.1	< 0.1 U	< 0.1 U
4,4'-DDT, ug/L	0.1	< 0.1 U	< 0.1 U
Dieldrin, ug/L	0.1	< 0.1 U	< 0.1 U
Endosulfan I, ug/L	0.05	< 0.05 U	< 0.05 U
Endosulfan II, ug/L	0.1	< 0.1 U	< 0.1 U
Endosulfan sulfate, ug/L	0.1	< 0.1 U	< 0.1 U
Endrin, ug/L	0.1	< 0.1 U	< 0.1 U
Endrin ketone, ug/L	0.1	< 0.1 U	< 0.1 U
Heptachlor, ug/L	0.05	< 0.05 U	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	04/25/90	04/25/90 Replicate
Aroclor-1016, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1221, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1232, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1242, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1248, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1254, ug/L	1.0	< 1.0 U	< 1.0 U
Aroclor-1260, ug/L	1.0	< 1.0 U	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/19/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/19/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/20/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/20/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/20/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/20/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/15/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/15/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/19/90	03/19/90 Replicate
Aldrin, ug/L	0.05	< 0.05 U	< 0.05 U
alpha-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
beta-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
delta-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
gamma-BHC (Lindane), ug/L	0.05	< 0.05 U	< 0.05 U
Chlordane, ug/L	0.05	< 0.05 U	< 0.05 U
4,4'-DDD, ug/L	0.1	< 0.1 U	< 0.1 U
4,4'-DDE, ug/L	0.1	< 0.1 U	< 0.1 U
4,4'-DDT, ug/L	0.1	< 0.1 U	< 0.1 U
Dieldrin, ug/L	0.1	< 0.1 U	< 0.1 U
Endosulfan I, ug/L	0.05	< 0.05 U	< 0.05 U
Endosulfan II, ug/L	0.1	< 0.1 U	< 0.1 U
Endosulfan sulfate, ug/L	0.1	< 0.1 U	< 0.1 U
Endrin, ug/L	0.1	< 0.1 U	< 0.1 U
Endrin ketone, ug/L	0.05	< 0.05 U	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/19/90	03/19/90 Replicate
Aroclor-1016, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1221, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1232, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1242, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1248, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1254, ug/L	1.0	< 1.0 U	< 1.0 U
Aroclor-1260, ug/L	1.0	< 1.0 U	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-14

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/15/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/15/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-15

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/19/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/19/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/20/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/20/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/15/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/15/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/15/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/15/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/15/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/15/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/16/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/16/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/16/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/16/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-20

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/16/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/16/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/21/90	03/21/90 Replicate
Aldrin, ug/L	0.05	< 0.05 U	< 0.05 U
alpha-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
beta-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
delta-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
gamma-BHC (Lindane), ug/L	0.05	< 0.05 U	< 0.05 U
Chlordane, ug/L	0.05	< 0.05 U	< 0.05 U
4,4'-DDD, ug/L	0.1	< 0.1 U	< 0.1 U
4,4'-DDE, ug/L	0.1	< 0.1 U	< 0.1 U
4,4'-DDT, ug/L	0.1	< 0.1 U	< 0.1 U
Dieldrin, ug/L	0.1	< 0.1 U	< 0.1 U
Endosulfan I, ug/L	0.05	< 0.05 U	< 0.05 U
Endosulfan II, ug/L	0.1	< 0.1 U	< 0.1 U
Endosulfan sulfate, ug/L	0.1	< 0.1 U	< 0.1 U
Endrin, ug/L	0.1	< 0.1 U	< 0.1 U
Endrin ketone, ug/L	0.05	< 0.05 U	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/21/90	03/21/90 Replicate
Aroclor-1016, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1221, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1232, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1242, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1248, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1254, ug/L	1.0	< 1.0 U	< 1.0 U
Aroclor-1260, ug/L	1.0	< 1.0 U	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	03/21/90
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
Chlordane, ug/L	0.05	< 0.05 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	0.05	< 0.05 U
Heptachlor, ug/L	0.05	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	03/21/90
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/20/90	08/17/90
Aluminum, dissolved, mg/L	0.2	0.399 A (0.027)	-
Antimony, dissolved, mg/L	0.06	< 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	0.0367 J (0.002)	0.0089 A (0.001)
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	156.0 J (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	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	0.151 A (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	24.6 J (0.037)	-
Manganese, dissolved, mg/L	0.015	1.33 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	3.22 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	51.1 J (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	0.0446 R (0.008)	0.0082 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/19/90	08/16/90
Aluminum, dissolved, mg/L	0.2	5.01 A (0.027)	-
Antimony, dissolved, mg/L	0.06	< 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	0.0208 J (0.002)	0.0072 A (0.001)
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	22.8 J (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	0.0115 A (0.006)	-
Iron, dissolved, mg/L	0.1	< 0.02 U (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	6.12 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.0014 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	0.02 A (0.012)	-
Potassium, dissolved, mg/L	5.0	6.44 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	11.6 J (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	0.0728 R (0.008)	0.0254 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-4

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/19/90	08/15/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 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	0.0918 J (0.002)	0.0107 A (0.001)
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	42.5 J (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	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	< 0.02 U (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	4.96 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.0202 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	2.35 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	123.0 J (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	0.0271 R (0.008)	0.0072 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-6

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/16/90	08/14/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 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	0.0596 J (0.002)	0.0138 A (0.001)
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	37.5 J (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	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	< 0.1 U (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	11.0 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.0012 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	2.88 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	41.4 J (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	0.0232 R (0.008)	0.012 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-7

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	04/25/90	04/25/90 Replicate	08/14/90
Aluminum, dissolved, mg/L	0.2	0.0604 J (0.027)	< 0.027 UJ (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)	< 0.002 U (0.002)
Barium, dissolved, mg/L	0.2	0.175 J (0.002)	0.074 J (0.002)	0.0184 A (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)	-
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)	< 0.005 U (0.005)	-
Calcium, dissolved, mg/L	5.0	41.0 A (0.02)	40.2 A (0.02)	-
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)	-
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.007)	-
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	0.172 A (0.003)	0.175 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	10.1 A (0.037)	9.85 A (0.037)	-
Manganese, dissolved, mg/L	0.015	0.316 A (0.001)	0.305 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	2.82 A (0.9)	2.6 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	< 0.003 U (0.003)	< 0.003 U (0.003)	-
Sodium, dissolved, mg/L	5.0	27.4 A (0.038)	26.4 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	< 0.028 UJ (0.028)	< 0.028 UJ (0.028)	-
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)	< 0.006 U (0.006)	-
Zinc, dissolved, mg/L	0.02	0.124 R (0.008)	0.0415 R (0.008)	0.0207 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/19/90	08/17/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, dissolved, mg/L	0.01	0.0028 A (0.002)	0.0046 J (0.002)
Barium, dissolved, mg/L	0.2	0.0191 J (0.002)	0.0089 A (0.001)
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	141.0 J (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	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	0.032 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	15.1 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.115 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	2.87 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	232.0 J (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	0.0421 R (0.008)	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/20/90	08/15/90
Aluminum, dissolved, mg/L	0.2	0.14 A (0.027)	-
Antimony, dissolved, mg/L	0.06	< 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	0.0513 J (0.002)	0.036 A (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	-
Cadmium, dissolved, mg/L	0.005	0.0088 A (0.005)	-
Calcium, dissolved, mg/L	5.0	10.6 J (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	0.321 A (0.006)	-
Iron, dissolved, mg/L	0.1	0.0169 R (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	1.7 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.0591 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	1.84 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	25.8 J (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	3.18 R (0.008)	0.231 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/20/90	08/15/90
Aluminum, dissolved, mg/L	0.2	0.158 A (0.027)	-
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, dissolved, mg/L	0.01	0.162 A (0.002)	0.198 J (0.002)
Barium, dissolved, mg/L	0.2	0.0499 J (0.002)	0.0422 A (0.001)
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	38.9 J (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	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	12.0 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	2.97 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.423 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	2.58 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	14.6 J (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	0.913 R (0.008)	1.6 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/15/90	08/15/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, dissolved, mg/L	0.01	0.422 A (0.002)	0.0364 J (0.002)
Barium, dissolved, mg/L	0.2	0.101 J (0.002)	0.04 A (0.001)
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	491.0 J (0.02)	-
Chromium, dissolved, mg/L	0.01	0.0355 A (0.003)	-
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	-
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	5.13 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	108.0 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.4 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	9.18 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	150.0 J (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	0.0224 A (0.006)	-
Zinc, dissolved, mg/L	0.02	0.0463 R (0.008)	0.009 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/19/90	03/19/90 Replicate	08/15/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	< 0.037 U (0.037)	-
Arsenic, dissolved, mg/L	0.01	0.0206 A (0.002)	0.0204 A (0.002)	0.0435 J (0.002)
Barium, dissolved, mg/L	0.2	0.0666 J (0.002)	0.0632 J (0.002)	0.0219 A (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)	-
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)	< 0.005 U (0.005)	-
Calcium, dissolved, mg/L	5.0	88.9 J (0.02)	88.8 J (0.02)	-
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)	-
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.007)	-
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	3.08 J (0.003)	3.35 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	11.3 J (0.037)	10.9 J (0.037)	-
Manganese, dissolved, mg/L	0.015	1.76 A (0.001)	1.78 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	6.36 A (0.9)	6.38 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	< 0.003 U (0.003)	< 0.003 U (0.003)	-
Sodium, dissolved, mg/L	5.0	21.9 J (0.038)	20.9 J (0.038)	-
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	< 0.004 U (0.004)	-
Tin, dissolved, mg/L	N/R	< 0.028 U (0.028)	< 0.028 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	0.0389 R (0.008)	0.0483 R (0.008)	0.0076 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-14

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/15/90	08/16/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, dissolved, mg/L	0.01	0.0075 A (0.002)	0.0041 J (0.002)
Barium, dissolved, mg/L	0.2	0.028 J (0.002)	0.0311 A (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	-
Cadmium, dissolved, mg/L	0.005	0.0055 A (0.005)	-
Calcium, dissolved, mg/L	5.0	87.9 J (0.02)	-
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	-
Cobalt, dissolved, mg/L	0.05	0.0103 A (0.007)	-
Copper, dissolved, mg/L	0.025	0.0176 A (0.006)	-
Iron, dissolved, mg/L	0.1	0.628 J (0.003)	-
Lead, dissolved, mg/L	0.005	0.0163 A (0.002)	-
Magnesium, dissolved, mg/L	5.0	5.17 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.0474 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	3.11 A (0.9)	-
Selenium, dissolved, mg/L	0.005	0.0352 A (0.002)	-
Silver, dissolved, mg/L	0.01	< 0.003 U (0.003)	-
Sodium, dissolved, mg/L	5.0	12.7 J (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	2.11 R (0.008)	1.61 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-15

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/19/90	08/16/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 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	0.0696 J (0.002)	0.0291 A (0.001)
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	11.7 J (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	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	0.0422 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	2.53 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.0773 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	1.52 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	68.7 J (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	0.0266 R (0.008)	0.0172 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/20/90	08/17/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	0.0439 A (0.037)	-
Arsenic, dissolved, mg/L	0.01	2.86 A (0.002)	2.4 J (0.002)
Barium, dissolved, mg/L	0.2	0.245 J (0.002)	0.194 A (0.001)
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	13.9 J (0.02)	-
Chromium, dissolved, mg/L	0.01	0.138 A (0.003)	-
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	-
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	0.87 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	193.0 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.0076 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	0.541 A (0.012)	-
Potassium, dissolved, mg/L	5.0	69.1 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	142.0 J (0.038)	-
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	-
Tin, dissolved, mg/L	N/R	0.059 A (0.028)	-
Vanadium, dissolved, mg/L	0.05	0.183 A (0.006)	-
Zinc, dissolved, mg/L	0.02	0.0979 R (0.008)	< 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/15/90	08/14/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, dissolved, mg/L	0.01	0.164 A (0.002)	0.083 J (0.002)
Barium, dissolved, mg/L	0.2	0.0519 J (0.002)	0.023 A (0.001)
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	236.0 J (0.02)	-
Chromium, dissolved, mg/L	0.01	0.0265 A (0.003)	-
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	-
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	0.831 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	70.8 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.436 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	261.0 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	663.0 J (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	0.0134 A (0.006)	-
Zinc, dissolved, mg/L	0.02	0.0785 R (0.008)	0.0632 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/15/90	08/15/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, dissolved, mg/L	0.01	< 0.002 U (0.002)	0.0031 J (0.002)
Barium, dissolved, mg/L	0.2	0.196 J (0.002)	0.0179 A (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	-
Cadmium, dissolved, mg/L	0.005	0.0252 A (0.005)	-
Calcium, dissolved, mg/L	5.0	83.3 J (0.02)	-
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	-
Cobalt, dissolved, mg/L	0.05	0.0168 A (0.007)	-
Copper, dissolved, mg/L	0.025	0.122 A (0.006)	-
Iron, dissolved, mg/L	0.1	0.577 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	8.58 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.736 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	0.0133 A (0.012)	-
Potassium, dissolved, mg/L	5.0	6.07 A (0.9)	-
Selenium, dissolved, mg/L	0.005	0.002 A (0.002)	-
Silver, dissolved, mg/L	0.01	< 0.003 U (0.003)	-
Sodium, dissolved, mg/L	5.0	63.1 J (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	8.0 R (0.008)	8.99 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/15/90	08/14/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 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	0.046 J (0.002)	0.0245 A (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	-
Cadmium, dissolved, mg/L	0.005	0.0205 A (0.005)	-
Calcium, dissolved, mg/L	5.0	122.0 J (0.02)	-
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	-
Cobalt, dissolved, mg/L	0.05	0.0191 A (0.007)	-
Copper, dissolved, mg/L	0.025	0.0351 A (0.006)	-
Iron, dissolved, mg/L	0.1	0.0427 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	9.49 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.671 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	0.0182 A (0.012)	-
Potassium, dissolved, mg/L	5.0	5.66 A (0.9)	-
Selenium, dissolved, mg/L	0.005	0.0056 A (0.002)	-
Silver, dissolved, mg/L	0.01	< 0.003 U (0.003)	-
Sodium, dissolved, mg/L	5.0	42.2 J (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	7.22 R (0.008)	4.13 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/16/90	08/14/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 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	0.13 J (0.002)	0.0268 A (0.001)
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	20.9 J (0.02)	-
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	-
Cobalt, dissolved, mg/L	0.05	0.0126 A (0.007)	-
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	< 0.1 U (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	4.71 J (0.037)	-
Manganese, dissolved, mg/L	0.015	1.06 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	4.31 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	46.5 J (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	0.437 R (0.008)	0.444 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/16/90	08/14/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, dissolved, mg/L	0.01	0.0177 A (0.002)	0.0224 J (0.002)
Barium, dissolved, mg/L	0.2	0.0453 J (0.002)	0.0184 A (0.001)
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	25.7 J (0.02)	-
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	-
Cobalt, dissolved, mg/L	0.05	0.0259 A (0.007)	-
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	1.16 A (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	4.78 J (0.037)	-
Manganese, dissolved, mg/L	0.015	1.23 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	4.11 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	27.6 J (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	0.219 R (0.008)	0.166 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-20

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/16/90	08/14/90	08/14/90 Replicate
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-	-
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	-	-
Arsenic, dissolved, mg/L	0.01	< 0.002 U (0.002)	0.0068 J (0.002)	0.0071 J (0.002)
Barium, dissolved, mg/L	0.2	0.042 J (0.002)	0.0127 A (0.001)	0.0121 A (0.001)
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	47.2 J (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	< 0.006 U (0.006)	-	-
Iron, dissolved, mg/L	0.1	0.412 J (0.003)	-	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-	-
Magnesium, dissolved, mg/L	5.0	11.3 J (0.037)	-	-
Manganese, dissolved, mg/L	0.015	0.109 A (0.001)	-	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-	-
Potassium, dissolved, mg/L	5.0	3.29 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	22.7 J (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	0.051 R (0.008)	0.0067 J (0.006)	0.0126 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/21/90	03/21/90 Replicate	08/15/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	< 0.027 U (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)	0.004 J (0.002)
Barium, dissolved, mg/L	0.2	0.0427 J (0.002)	0.0578 J (0.002)	0.0208 A (0.001)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)	-
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)	< 0.005 U (0.005)	-
Calcium, dissolved, mg/L	5.0	48.5 J (0.02)	48.0 J (0.02)	-
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)	-
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.007)	-
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	0.152 J (0.003)	0.131 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	6.74 J (0.037)	6.65 J (0.037)	-
Manganese, dissolved, mg/L	0.015	1.51 A (0.001)	1.46 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	2.42 A (0.9)	2.36 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	< 0.003 U (0.003)	< 0.003 U (0.003)	-
Sodium, dissolved, mg/L	5.0	10.2 J (0.038)	13.5 J (0.038)	-
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	< 0.004 U (0.004)	-
Tin, dissolved, mg/L	N/R	< 0.028 U (0.028)	< 0.028 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	0.0319 R (0.008)	0.121 R (0.008)	0.0157 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	08/15/90 Replicate
Aluminum, dissolved, mg/L	0.2	-
Antimony, dissolved, mg/L	0.06	-
Arsenic, dissolved, mg/L	0.01	0.0028 J (0.002)
Barium, dissolved, mg/L	0.2	0.0236 A (0.001)
Beryllium, dissolved, mg/L	0.005	-
Cadmium, dissolved, mg/L	0.005	-
Calcium, dissolved, mg/L	5.0	-
Chromium, dissolved, mg/L	0.01	-
Cobalt, dissolved, mg/L	0.05	-
Copper, dissolved, mg/L	0.025	-
Iron, dissolved, mg/L	0.1	-
Lead, dissolved, mg/L	0.005	-
Magnesium, dissolved, mg/L	5.0	-
Manganese, dissolved, mg/L	0.015	-
Mercury, dissolved, ug/L	0.2	-
Nickel, dissolved, mg/L	0.04	-
Potassium, dissolved, mg/L	5.0	-
Selenium, dissolved, mg/L	0.005	-
Silver, dissolved, mg/L	0.01	-
Sodium, dissolved, mg/L	5.0	-
Thallium, dissolved, mg/L	0.01	-
Tin, dissolved, mg/L	N/R	-
Vanadium, dissolved, mg/L	0.05	-
Zinc, dissolved, mg/L	0.02	0.0378 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/21/90	08/17/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, dissolved, mg/L	0.01	0.0044 A (0.002)	< 0.002 U (0.002)
Barium, dissolved, mg/L	0.2	0.196 J (0.002)	0.0722 A (0.001)
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	198.0 J (0.02)	-
Chromium, dissolved, mg/L	0.01	0.0042 A (0.003)	-
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	-
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	6.32 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	52.1 J (0.037)	-
Manganese, dissolved, mg/L	0.015	3.02 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	10.5 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	26.4 J (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	0.0457 R (0.008)	0.025 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	03/21/90	08/15/90
Aluminum, dissolved, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, dissolved, mg/L	0.06	< 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	0.0916 J (0.002)	0.0075 A (0.001)
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	18.1 J (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	< 0.006 U (0.006)	-
Iron, dissolved, mg/L	0.1	0.0137 J (0.003)	-
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, dissolved, mg/L	5.0	3.26 J (0.037)	-
Manganese, dissolved, mg/L	0.015	0.45 A (0.001)	-
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, dissolved, mg/L	5.0	4.99 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	23.8 J (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	0.0287 R (0.008)	0.0151 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/20/90	08/17/90
Aluminum, total, mg/L	0.2	0.54 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)	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.0116 A (0.002)	0.0072 A (0.001)
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	162.0 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	0.0093 A (0.006)	-
Iron, total, mg/L	0.1	0.716 A (0.003)	-
Lead, total, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, total, mg/L	5.0	25.3 A (0.037)	-
Manganese, total, mg/L	0.015	1.4 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	4.44 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	50.4 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	< 0.02 UJ (0.008)	0.0164 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/19/90	08/16/90
Aluminum, total, mg/L	0.2	7.15 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)	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.0219 A (0.002)	0.0098 A (0.001)
Beryllium, total, mg/L	0.005	0.001 A (0.001)	-
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	-
Calcium, total, mg/L	5.0	24.2 A (0.02)	-
Chromium, total, mg/L	0.01	0.0062 A (0.003)	-
Cobalt, total, mg/L	0.05	0.0478 A (0.007)	-
Copper, total, mg/L	0.025	0.0401 A (0.006)	-
Iron, total, mg/L	0.1	2.25 A (0.003)	-
Lead, total, mg/L	0.005	0.0034 A (0.002)	-
Magnesium, total, mg/L	5.0	6.53 A (0.037)	-
Manganese, total, mg/L	0.015	2.61 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	0.0719 A (0.012)	-
Potassium, total, mg/L	5.0	7.22 A (0.9)	-
Selenium, total, mg/L	0.005	< 0.002 U (0.002)	-
Silver, total, mg/L	0.01	0.571 A (0.003)	-
Sodium, total, mg/L	5.0	8.79 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 A (0.006)	-
Zinc, total, mg/L	0.02	0.0931 J (0.008)	0.027 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-4

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/19/90	08/15/90
Aluminum, total, mg/L	0.2	0.0443 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)	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.0169 A (0.002)	0.0093 A (0.001)
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	38.3 A (0.02)	-
Chromium, total, mg/L	0.01	0.0046 A (0.003)	-
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	-
Copper, total, mg/L	0.025	< 0.006 U (0.006)	-
Iron, total, mg/L	0.1	30.7 A (0.003)	-
Lead, total, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, total, mg/L	5.0	4.39 A (0.037)	-
Manganese, total, mg/L	0.015	0.0925 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	2.67 A (0.9)	-
Selenium, total, mg/L	0.005	0.002 A (0.002)	-
Silver, total, mg/L	0.01	< 0.003 U (0.003)	-
Sodium, total, mg/L	5.0	105.0 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	< 0.02 UJ (0.008)	0.0263 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-6

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/16/90	08/14/90
Aluminum, total, mg/L	0.2	3.81 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.0043 A (0.002)	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.0263 A (0.002)	0.0192 A (0.001)
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	36.6 A (0.02)	-
Chromium, total, mg/L	0.01	0.0061 A (0.003)	-
Cobalt, total, mg/L	0.05	0.0093 A (0.007)	-
Copper, total, mg/L	0.025	0.0167 A (0.006)	-
Iron, total, mg/L	0.1	5.32 A (0.003)	-
Lead, total, mg/L	0.005	0.0041 A (0.002)	-
Magnesium, total, mg/L	5.0	11.4 A (0.037)	-
Manganese, total, mg/L	0.015	0.273 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	3.25 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	34.4 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	0.008 A (0.006)	-
Zinc, total, mg/L	0.02	0.044 R (0.008)	0.0205 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-7

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	04/25/90	04/25/90 Replicate	08/14/90
Aluminum, total, mg/L	0.2	0.273 A (0.027)	0.117 R (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.0435 J (0.002)	0.0297 J (0.002)	0.0069 A (0.002)
Barium, total, mg/L	0.2	0.024 A (0.002)	0.0221 A (0.002)	0.0177 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)	-
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	< 0.005 U (0.005)	-
Calcium, total, mg/L	5.0	39.9 A (0.02)	40.1 A (0.02)	-
Chromium, total, mg/L	0.01	0.0033 A (0.003)	< 0.003 U (0.003)	-
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.007)	-
Copper, total, mg/L	0.025	0.0065 A (0.006)	< 0.006 U (0.006)	-
Iron, total, mg/L	0.1	8.15 J (0.003)	5.54 J (0.003)	-
Lead, total, mg/L	0.005	0.0037 J (0.002)	< 0.002 UJ (0.002)	-
Magnesium, total, mg/L	5.0	9.93 A (0.037)	9.93 A (0.037)	-
Manganese, total, mg/L	0.015	0.322 A (0.001)	0.322 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	0.0357 R (0.012)	0.012 R (0.012)	-
Potassium, total, mg/L	5.0	2.88 J (0.9)	2.49 J (0.9)	-
Selenium, total, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)	-
Silver, total, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)	-
Sodium, total, mg/L	5.0	26.7 A (0.038)	26.5 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	< 0.028 UJ (0.028)	< 0.028 UJ (0.028)	-
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)	< 0.006 U (0.006)	-
Zinc, total, mg/L	0.02	0.0228 R (0.008)	0.0144 R (0.008)	0.0148 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/19/90	08/17/90
Aluminum, total, mg/L	0.2	0.686 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.103 A (0.002)	0.022 A (0.002)
Barium, total, mg/L	0.2	0.0132 A (0.002)	0.0087 A (0.001)
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	139.0 A (0.02)	-
Chromium, total, mg/L	0.01	0.0034 A (0.003)	-
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	-
Copper, total, mg/L	0.025	0.0153 A (0.006)	-
Iron, total, mg/L	0.1	66.3 A (0.003)	-
Lead, total, mg/L	0.005	0.0035 A (0.002)	-
Magnesium, total, mg/L	5.0	14.8 A (0.037)	-
Manganese, total, mg/L	0.015	0.389 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	3.33 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	17.5 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	0.0331 R (0.008)	0.0185 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/20/90	08/15/90
Aluminum, total, mg/L	0.2	4.79 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.0383 A (0.002)	0.0021 A (0.002)
Barium, total, mg/L	0.2	0.0493 A (0.002)	0.0506 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	-
Cadmium, total, mg/L	0.005	0.0065 A (0.005)	-
Calcium, total, mg/L	5.0	10.4 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	0.45 A (0.006)	-
Iron, total, mg/L	0.1	1.08 A (0.003)	-
Lead, total, mg/L	0.005	0.0064 A (0.002)	-
Magnesium, total, mg/L	5.0	1.77 A (0.037)	-
Manganese, total, mg/L	0.015	0.0666 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	2.37 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	22.3 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	3.1 J (0.008)	0.264 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/20/90	08/15/90
Aluminum, total, mg/L	0.2	0.704 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.19 A (0.002)	0.204 A (0.002)
Barium, total, mg/L	0.2	0.043 A (0.002)	0.0456 A (0.001)
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	37.1 A (0.02)	-
Chromium, total, mg/L	0.01	0.0055 A (0.003)	-
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	-
Copper, total, mg/L	0.025	0.0171 A (0.006)	-
Iron, total, mg/L	0.1	17.6 A (0.003)	-
Lead, total, mg/L	0.005	0.017 A (0.002)	-
Magnesium, total, mg/L	5.0	2.75 A (0.037)	-
Manganese, total, mg/L	0.015	0.367 A (0.001)	-
Mercury, total, ug/L	0.2	0.4 A (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	3.02 A (0.9)	-
Selenium, total, mg/L	0.005	0.0026 A (0.002)	-
Silver, total, mg/L	0.01	< 0.003 U (0.003)	-
Sodium, total, mg/L	5.0	9.96 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	1.46 J (0.008)	1.64 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/15/90	08/15/90
Aluminum, total, mg/L	0.2	< 0.027 U (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.344 A (0.002)	0.0605 A (0.002)
Barium, total, mg/L	0.2	0.0676 A (0.002)	0.0415 A (0.001)
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	517.0 A (0.02)	-
Chromium, total, mg/L	0.01	0.0389 A (0.003)	-
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	-
Copper, total, mg/L	0.025	< 0.006 U (0.006)	-
Iron, total, mg/L	0.1	13.9 A (0.003)	-
Lead, total, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, total, mg/L	5.0	107.0 A (0.037)	-
Manganese, total, mg/L	0.015	0.469 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	8.66 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	130.0 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	0.0168 A (0.006)	-
Zinc, total, mg/L	0.02	0.0317 R (0.008)	0.0204 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/19/90	03/19/90 Replicate	08/15/90
Aluminum, total, mg/L	0.2	0.127 A (0.027)	0.0565 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	0.0301 A (0.002)	0.0254 A (0.002)	0.0534 A (0.002)
Barium, total, mg/L	0.2	0.0327 A (0.002)	0.0286 A (0.002)	0.0276 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)	-
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	< 0.005 U (0.005)	-
Calcium, total, mg/L	5.0	98.1 A (0.02)	88.2 A (0.02)	-
Chromium, total, mg/L	0.01	0.0047 A (0.003)	< 0.003 U (0.003)	-
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.007)	-
Copper, total, mg/L	0.025	< 0.006 U (0.006)	< 0.006 U (0.006)	-
Iron, total, mg/L	0.1	16.5 A (0.003)	14.8 A (0.003)	-
Lead, total, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)	-
Magnesium, total, mg/L	5.0	11.5 A (0.037)	11.2 A (0.037)	-
Manganese, total, mg/L	0.015	2.02 A (0.001)	1.73 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	< 0.012 U (0.012)	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	7.22 A (0.9)	6.16 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	< 0.003 U (0.003)	< 0.003 U (0.003)	-
Sodium, total, mg/L	5.0	18.6 A (0.038)	19.8 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	< 0.028 U (0.028)	< 0.028 U (0.028)	-
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)	< 0.006 U (0.006)	-
Zinc, total, mg/L	0.02	0.246 J (0.008)	0.133 A (0.008)	0.0667 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-14

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/15/90	08/16/90
Aluminum, total, mg/L	0.2	0.242 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.124 A (0.002)	0.0154 A (0.002)
Barium, total, mg/L	0.2	0.0194 A (0.002)	0.0291 A (0.001)
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	81.3 A (0.02)	-
Chromium, total, mg/L	0.01	0.0063 A (0.003)	-
Cobalt, total, mg/L	0.05	0.0085 A (0.007)	-
Copper, total, mg/L	0.025	0.0807 A (0.006)	-
Iron, total, mg/L	0.1	21.6 A (0.003)	-
Lead, total, mg/L	0.005	0.299 A (0.002)	-
Magnesium, total, mg/L	5.0	4.75 A (0.037)	-
Manganese, total, mg/L	0.015	0.0437 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	3.47 A (0.9)	-
Selenium, total, mg/L	0.005	0.0505 A (0.002)	-
Silver, total, mg/L	0.01	< 0.003 U (0.003)	-
Sodium, total, mg/L	5.0	11.8 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	1.91 J (0.008)	1.51 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-15

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/19/90	08/16/90
Aluminum, total, mg/L	0.2	0.432 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)	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.0315 A (0.002)	0.0361 A (0.001)
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	13.3 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	0.0088 A (0.006)	-
Iron, total, mg/L	0.1	2.14 A (0.003)	-
Lead, total, mg/L	0.005	0.0106 A (0.002)	-
Magnesium, total, mg/L	5.0	3.04 A (0.037)	-
Manganese, total, mg/L	0.015	0.124 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	2.46 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	73.9 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	0.0203 A (0.008)	0.0131 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/20/90	08/17/90
Aluminum, total, mg/L	0.2	0.871 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	2.25 A (0.002)	2.35 A (0.002)
Barium, total, mg/L	0.2	0.38 A (0.002)	0.319 A (0.001)
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	14.5 A (0.02)	-
Chromium, total, mg/L	0.01	0.16 A (0.003)	-
Cobalt, total, mg/L	0.05	0.0081 A (0.007)	-
Copper, total, mg/L	0.025	0.0128 A (0.006)	-
Iron, total, mg/L	0.1	6.71 A (0.003)	-
Lead, total, mg/L	0.005	0.0058 A (0.002)	-
Magnesium, total, mg/L	5.0	206.0 A (0.037)	-
Manganese, total, mg/L	0.015	0.0271 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	0.0454 A (0.012)	-
Potassium, total, mg/L	5.0	72.6 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	131.0 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	0.192 A (0.006)	-
Zinc, total, mg/L	0.02	0.021 R (0.008)	0.0319 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/15/90	08/14/90
Aluminum, total, mg/L	0.2	0.122 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.146 A (0.002)	0.184 A (0.002)
Barium, total, mg/L	0.2	0.0513 A (0.002)	0.0505 A (0.001)
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	251.0 A (0.02)	-
Chromium, total, mg/L	0.01	0.0381 A (0.003)	-
Cobalt, total, mg/L	0.05	0.0109 A (0.007)	-
Copper, total, mg/L	0.025	0.0071 A (0.006)	-
Iron, total, mg/L	0.1	16.0 A (0.003)	-
Lead, total, mg/L	0.005	< 0.002 U (0.002)	-
Magnesium, total, mg/L	5.0	75.9 A (0.037)	-
Manganese, total, mg/L	0.015	0.485 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	0.0247 A (0.012)	-
Potassium, total, mg/L	5.0	31.3 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	757.0 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	0.0259 A (0.006)	-
Zinc, total, mg/L	0.02	0.0545 R (0.008)	0.221 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/15/90	08/15/90
Aluminum, total, mg/L	0.2	0.092 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.0033 A (0.002)	0.0049 A (0.002)
Barium, total, mg/L	0.2	0.0189 A (0.002)	0.0151 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	-
Cadmium, total, mg/L	0.005	0.0274 A (0.005)	-
Calcium, total, mg/L	5.0	84.3 A (0.02)	-
Chromium, total, mg/L	0.01	< 0.003 U (0.003)	-
Cobalt, total, mg/L	0.05	0.0183 A (0.007)	-
Copper, total, mg/L	0.025	0.158 A (0.006)	-
Iron, total, mg/L	0.1	0.836 A (0.003)	-
Lead, total, mg/L	0.005	0.002 A (0.002)	-
Magnesium, total, mg/L	5.0	8.66 A (0.037)	-
Manganese, total, mg/L	0.015	0.767 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	6.67 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	66.1 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	8.04 J (0.008)	8.43 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/15/90	08/14/90
Aluminum, total, mg/L	0.2	0.749 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.0097 A (0.002)	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.0205 A (0.002)	0.0452 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	-
Cadmium, total, mg/L	0.005	0.0203 A (0.005)	-
Calcium, total, mg/L	5.0	116.0 A (0.02)	-
Chromium, total, mg/L	0.01	0.0047 A (0.003)	-
Cobalt, total, mg/L	0.05	0.0195 A (0.007)	-
Copper, total, mg/L	0.025	0.145 A (0.006)	-
Iron, total, mg/L	0.1	11.6 A (0.003)	-
Lead, total, mg/L	0.005	0.0135 A (0.002)	-
Magnesium, total, mg/L	5.0	9.48 A (0.037)	-
Manganese, total, mg/L	0.015	0.665 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	5.39 A (0.9)	-
Selenium, total, mg/L	0.005	0.0056 A (0.002)	-
Silver, total, mg/L	0.01	< 0.003 U (0.003)	-
Sodium, total, mg/L	5.0	33.3 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	7.87 J (0.008)	0.239 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/16/90	08/14/90
Aluminum, total, mg/L	0.2	0.124 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.0039 A (0.002)	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.0287 A (0.002)	0.0215 A (0.001)
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	20.9 A (0.02)	-
Chromium, total, mg/L	0.01	< 0.003 U (0.003)	-
Cobalt, total, mg/L	0.05	0.0487 A (0.007)	-
Copper, total, mg/L	0.025	0.0094 A (0.006)	-
Iron, total, mg/L	0.1	1.41 A (0.003)	-
Lead, total, mg/L	0.005	0.0197 A (0.002)	-
Magnesium, total, mg/L	5.0	4.68 A (0.037)	-
Manganese, total, mg/L	0.015	1.74 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	4.81 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	46.6 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	< 0.006 U (0.006)	-
Zinc, total, mg/L	0.02	0.381 J (0.008)	0.26 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/16/90	08/14/90
Aluminum, total, mg/L	0.2	0.53 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.115 A (0.002)	0.0348 A (0.002)
Barium, total, mg/L	0.2	0.0321 A (0.002)	0.0209 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	-
Cadmium, total, mg/L	0.005	0.0128 A (0.005)	-
Calcium, total, mg/L	5.0	26.4 A (0.02)	-
Chromium, total, mg/L	0.01	0.0064 A (0.003)	-
Cobalt, total, mg/L	0.05	0.0324 A (0.007)	-
Copper, total, mg/L	0.025	0.0133 A (0.006)	-
Iron, total, mg/L	0.1	9.58 A (0.003)	-
Lead, total, mg/L	0.005	0.0046 A (0.002)	-
Magnesium, total, mg/L	5.0	4.98 A (0.037)	-
Manganese, total, mg/L	0.015	1.29 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	4.71 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	23.5 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	0.421 J (0.008)	0.199 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-20

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/16/90	08/14/90	08/14/90 Replicate
Aluminum, total, mg/L	0.2	0.609 A (0.027)	-	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-	-
Arsenic, total, mg/L	0.01	0.0044 A (0.002)	0.0064 A (0.002)	0.0058 A (0.002)
Barium, total, mg/L	0.2	0.0184 A (0.002)	0.0145 A (0.001)	0.0148 A (0.001)
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	49.7 A (0.02)	-	-
Chromium, total, mg/L	0.01	0.0031 A (0.003)	-	-
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	-	-
Copper, total, mg/L	0.025	0.0081 A (0.006)	-	-
Iron, total, mg/L	0.1	2.1 A (0.003)	-	-
Lead, total, mg/L	0.005	0.0085 A (0.002)	-	-
Magnesium, total, mg/L	5.0	11.7 A (0.037)	-	-
Manganese, total, mg/L	0.015	0.128 A (0.001)	-	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-	-
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	-	-
Potassium, total, mg/L	5.0	3.87 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	17.9 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	0.187 J (0.008)	0.015 A (0.006)	0.0138 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/21/90	03/21/90 Replicate	08/15/90
Aluminum, total, mg/L	0.2	3.05 A (0.027)	2.68 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	0.0033 A (0.002)	0.0027 A (0.002)	0.0053 A (0.002)
Barium, total, mg/L	0.2	0.0338 A (0.002)	0.0325 A (0.002)	0.0229 A (0.001)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)	-
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	< 0.005 U (0.005)	-
Calcium, total, mg/L	5.0	45.3 A (0.02)	46.5 A (0.02)	-
Chromium, total, mg/L	0.01	0.0067 A (0.003)	0.0046 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	0.0121 A (0.006)	0.0089 A (0.006)	-
Iron, total, mg/L	0.1	3.01 A (0.003)	2.54 A (0.003)	-
Lead, total, mg/L	0.005	0.0032 A (0.002)	0.0028 A (0.002)	-
Magnesium, total, mg/L	5.0	6.83 A (0.037)	6.85 A (0.037)	-
Manganese, total, mg/L	0.015	1.44 A (0.001)	1.46 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	< 0.012 U (0.012)	< 0.012 U (0.012)	-
Potassium, total, mg/L	5.0	2.84 A (0.9)	2.75 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	< 0.003 U (0.003)	< 0.003 U (0.003)	-
Sodium, total, mg/L	5.0	9.51 A (0.038)	9.67 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	< 0.028 U (0.028)	< 0.028 U (0.028)	-
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)	< 0.006 U (0.006)	-
Zinc, total, mg/L	0.02	0.0217 R (0.008)	0.0166 R (0.008)	0.0268 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	08/15/90 Replicate
Aluminum, total, mg/L	0.2	-
Antimony, total, mg/L	0.06	-
Arsenic, total, mg/L	0.01	0.0048 A (0.002)
Barium, total, mg/L	0.2	0.0249 A (0.001)
Beryllium, total, mg/L	0.005	-
Cadmium, total, mg/L	0.005	-
Calcium, total, mg/L	5.0	-
Chromium, total, mg/L	0.01	-
Cobalt, total, mg/L	0.05	-
Copper, total, mg/L	0.025	-
Iron, total, mg/L	0.1	-
Lead, total, mg/L	0.005	-
Magnesium, total, mg/L	5.0	-
Manganese, total, mg/L	0.015	-
Mercury, total, ug/L	0.2	-
Nickel, total, mg/L	0.04	-
Potassium, total, mg/L	5.0	-
Selenium, total, mg/L	0.005	-
Silver, total, mg/L	0.01	-
Sodium, total, mg/L	5.0	-
Thallium, total, mg/L	0.01	-
Tin, total, mg/L	N/R	-
Vanadium, total, mg/L	0.05	-
Zinc, total, mg/L	0.02	0.0257 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/21/90	08/17/90
Aluminum, total, mg/L	0.2	40.8 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	-
Arsenic, total, mg/L	0.01	0.0227 A (0.002)	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.276 A (0.002)	0.0769 A (0.001)
Beryllium, total, mg/L	0.005	0.0011 A (0.001)	-
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	-
Calcium, total, mg/L	5.0	197.0 A (0.02)	-
Chromium, total, mg/L	0.01	0.153 A (0.003)	-
Cobalt, total, mg/L	0.05	0.0404 A (0.007)	-
Copper, total, mg/L	0.025	0.191 A (0.006)	-
Iron, total, mg/L	0.1	50.2 A (0.003)	-
Lead, total, mg/L	0.005	0.0445 A (0.002)	-
Magnesium, total, mg/L	5.0	63.5 A (0.037)	-
Manganese, total, mg/L	0.015	3.48 A (0.001)	-
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	-
Nickel, total, mg/L	0.04	0.0666 A (0.012)	-
Potassium, total, mg/L	5.0	18.3 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	27.5 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	0.0709 A (0.006)	-
Zinc, total, mg/L	0.02	0.135 J (0.008)	0.0501 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	03/21/90	08/15/90
Aluminum, total, mg/L	0.2	224.0 A (0.027)	-
Antimony, total, mg/L	0.06	< 0.074 U (0.037)	-
Arsenic, total, mg/L	0.01	0.067 A (0.002)	< 0.002 U (0.002)
Barium, total, mg/L	0.2	0.729 A (0.002)	0.018 A (0.001)
Beryllium, total, mg/L	0.005	0.0088 A (0.001)	-
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	-
Calcium, total, mg/L	5.0	60.7 A (0.02)	-
Chromium, total, mg/L	0.01	0.326 A (0.003)	-
Cobalt, total, mg/L	0.05	0.157 A (0.007)	-
Copper, total, mg/L	0.025	0.447 A (0.006)	-
Iron, total, mg/L	0.1	226.0 A (0.003)	-
Lead, total, mg/L	0.005	0.162 A (0.002)	-
Magnesium, total, mg/L	5.0	75.9 A (0.037)	-
Manganese, total, mg/L	0.015	3.92 A (0.001)	-
Mercury, total, ug/L	0.2	0.3 A (0.2)	-
Nickel, total, mg/L	0.04	0.261 A (0.012)	-
Potassium, total, mg/L	5.0	38.4 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	26.9 A (0.038)	-
Thallium, total, mg/L	0.01	< 0.004 U (0.004)	-
Tin, total, mg/L	N/R	< 0.056 U (0.028)	-
Vanadium, total, mg/L	0.05	0.37 A (0.006)	-
Zinc, total, mg/L	0.02	0.821 J (0.008)	0.0325 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/20/90	08/17/90
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 (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	2.6 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
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	03/20/90	08/17/90
Di-methyl mercury, total, ug/L	50.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 900.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1A

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/19/90	08/16/90
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 (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	< 0.05 UJ (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
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	03/19/90	08/16/90
Di-methyl mercury, total, ug/L	< 5.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 700.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-4

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/19/90	08/15/90
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 (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	3.5 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
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	03/19/90	08/15/90
Di-methyl mercury, total, ug/L	88.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 700.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-6

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/16/90	08/14/90
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 R (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	0.088 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
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	03/16/90	08/14/90
Di-methyl mercury, total, ug/L	67.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 900.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/19/90	08/17/90
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 (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	18.0 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
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	03/19/90	08/17/90
Di-methyl mercury, total, ug/L	37.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 400.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/20/90	08/15/90
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 (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	0.34 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
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	03/20/90	08/15/90
Ethyl mercury, total, ug/L	< 500.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/20/90	04/25/90	08/15/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)	-	-
Arsenic (V), total, mg/L	0.046 A (0.005)	-	-
Chromium, hexavalent, total, mg/L	< 0.01 U (0.1)	-	< 0.01 U (0.01)
Iron (II), total, mg/L	8.4 J (0.05)	-	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-	-
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	03/20/90	04/25/90	08/15/90
Di-methyl mercury, total, ug/L	43.0 R (N/R)	-	-
Ethyl mercury, total, ug/L	< 800.0 U (N/R)	-	-
Di-methyl tin, total, mg/L	-	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	-	< 0.025 UJ (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/15/90	04/25/90	08/15/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)	-	-
Arsenic (V), total, mg/L	0.45 A (0.005)	-	-
Chromium, hexavalent, total, mg/L	< 0.01 U (0.1)	-	< 0.01 U (0.01)
Iron (II), total, mg/L	18.0 J (0.05)	-	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-	-
Mercury (o), total, ug/L	< 0.2 U (0.2)	-	-
Mercury (II), total, ug/L	< 1.0 U (0.2)	-	-

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	03/15/90	04/25/90	08/15/90
Di-methyl mercury, total, ug/L	27.0 R (N/R)	29.0 R (N/R)	-
Ethyl mercury, total, ug/L	-	< 90.0 U (N/R)	-
Di-methyl tin, total, mg/L	-	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	-	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/19/90	03/19/90 Replicate	08/15/90
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 R (0.1)	< 0.01 U (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	19.0 J (0.05)	11.0 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	< 0.6 UJ (0.6)	-
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	03/19/90	03/19/90 Replicate	08/15/90
Di-methyl mercury, total, ug/L	7.4 R (N/R)	620.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 800.0 U (N/R)	< 400.0 U (N/R)	-
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 (N/R)	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-14

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/15/90	08/16/90
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 R (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	1.4 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
Mercury (o), total, ug/L	< 0.2 U (0.2)	-
Mercury (II), total, ug/L	< 1.0 U (0.2)	-

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	03/15/90	08/16/90
Di-methyl mercury, total, ug/L	8.8 R (N/R)	-
Ethyl mercury, total, ug/L	< 600.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-15

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/19/90	08/16/90
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 R (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	0.27 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
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	03/19/90	08/16/90
Di-methyl mercury, total, ug/L	7.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 900.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/20/90	08/17/90
Arsenic (III), total, mg/L	0.53 A (0.005)	-
Arsenic (V), total, mg/L	0.62 A (0.005)	-
Chromium, hexavalent, total, mg/L	< 0.01 U (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	5.3 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
Mercury (o), total, ug/L	< 0.2 U (0.2)	-
Mercury (II), total, ug/L	5.7 A (0.2)	-

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	03/20/90	08/17/90
Di-methyl mercury, total, ug/L	8.5 R (N/R)	-
Ethyl mercury, total, ug/L	< 500.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/15/90	08/14/90
Arsenic (III), total, mg/L	< 0.005 U (0.005)	-
Arsenic (V), total, mg/L	0.048 A (0.005)	-
Chromium, hexavalent, total, mg/L	< 0.01 U (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	1.8 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
Mercury (o), total, ug/L	< 0.2 U (0.2)	-
Mercury (II), total, ug/L	< 1.0 U (0.2)	-

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	03/15/90	08/14/90
Di-methyl mercury, total, ug/L	43.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 600.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/15/90	04/25/90	08/15/90
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 R (0.1)	-	< 0.01 U (0.01)
Iron (II), total, mg/L	0.83 J (0.05)	-	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-	-
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	03/15/90	04/25/90	08/15/90
Di-methyl mercury, total, ug/L	68.0 R (N/R)	21.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 500.0 U (N/R)	< 50.0 U (N/R)	-
Di-methyl tin, total, mg/L	-	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	-	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/15/90	08/14/90
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 R (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	0.8 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
Mercury (o), total, ug/L	< 0.2 U (0.2)	-
Mercury (II), total, ug/L	< 1.0 U (0.2)	-

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	03/15/90	08/14/90
Di-methyl mercury, total, ug/L	7.5 R (N/R)	-
Ethyl mercury, total, ug/L	< 400.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/16/90	04/25/90	08/14/90
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 R (0.1)	-	< 0.01 U (0.01)
Iron (II), total, mg/L	< 0.05 UJ (0.05)	-	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-	-
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	03/16/90	04/25/90	08/14/90
Di-methyl mercury, total, ug/L	350.0 R (N/R)	< 5.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 400.0 U (N/R)	< 100.0 U (N/R)	-
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 (N/R)	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/16/90	08/14/90
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 R (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	2.3 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
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	03/16/90	08/14/90
Di-methyl mercury, total, ug/L	6.9 R (N/R)	-
Ethyl mercury, total, ug/L	< 900.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 UJ (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-20

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/16/90	04/25/90	08/14/90	08/14/90 Replicate
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 R (0.1)	-	< 0.01 U (0.01)	< 0.01 U (0.01)
Iron (II), total, mg/L	2.2 J (0.05)	-	-	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-	-	-
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	03/16/90	04/25/90	08/14/90	08/14/90 Replicate
Di-methyl mercury, total, ug/L	100.0 R (N/R)	53.0 R (N/R)	-	-
Ethyl mercury, total, ug/L	< 600.0 U (N/R)	< 100.0 U (N/R)	-	-
Di-methyl tin, total, mg/L	-	< 0.05 UJ (N/R)	-	-
Mono-methyl tin, total, mg/L	-	< 0.025 U (N/R)	-	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/21/90	03/21/90 Replicate	08/15/90	08/15/90 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 (0.1)	< 0.01 U (0.1)	< 0.01 U (0.01)	< 0.01 U (0.01)
Iron (II), total, mg/L	0.56 J (0.05)	< 0.05 UJ (0.05)	-	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	< 0.6 UJ (0.6)	-	-
Mercury (o), total, ug/L	< 0.2 U (0.2)	< 0.2 U (0.2)	-	-
Mercury (II), total, ug/L	0.3 R (0.2)	< 0.2 U (0.2)	-	-

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	03/21/90	03/21/90 Replicate	08/15/90	08/15/90 Replicate
Di-methyl mercury, total, ug/L	96.0 R (N/R)	< 5.0 R (N/R)	-	-
Ethyl mercury, total, ug/L	< 600.0 U (N/R)	< 800.0 U (N/R)	-	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	< 0.63 UJ (N/R)	-	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	< 0.31 U (N/R)	-	-
Tri-methyl tin, total, mg/L	< 0.05 UJ (N/R)	< 0.63 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/21/90	08/17/90
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 (0.1)	< 0.01 U (0.01)
Iron (II), total, mg/L	12.0 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
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	03/21/90	08/17/90
Di-methyl mercury, total, ug/L	42.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 700.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.25 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.13 U (N/R)	-
Tri-methyl tin, total, mg/L	< 0.25 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Total Speciated Metals

Chemical Parameter	03/21/90	08/15/90
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	4.2 J (0.05)	-
Lead (II), total, mg/L	< 0.6 UJ (0.6)	-
Mercury (o), total, ug/L	< 0.2 U (0.2)	-
Mercury (II), total, ug/L	0.2 A (0.2)	-

Chemical Compound Class: Total Organometallic Compounds

Chemical Parameter	03/21/90	08/15/90
Di-methyl mercury, total, ug/L	1100.0 R (N/R)	-
Ethyl mercury, total, ug/L	< 700.0 U (N/R)	-
Di-methyl tin, total, mg/L	< 0.05 UJ (N/R)	-
Mono-methyl tin, total, mg/L	< 0.025 U (N/R)	-
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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/20/90	08/17/90
Bicarbonate as $CaCO_3$, mg/L	463.0 A (1.0)	-
Carbonate as $CaCO_3$, mg/L	< 1.0 U (1.0)	-
Chloride, mg/L	67.7 A (5.0)	-
Hardness, mg/L	509.0 A (N/R)	-
Phosphorous, total, mg/L	1.5 R (0.04)	< 0.05 U (0.05)
Sulfate, mg/L	28.2 R (0.01)	27.6 A (5.0)
Sulfide, mg/L	0.004 R (0.004)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/20/90	08/17/90
Hardness (filtered), mg/L	491.0 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/20/90	08/17/90
Chemical oxygen demand, mg/L	33.4 A (20.0)	-
Total organic carbon, mg/L	6.9 R (20.5)	20.5 A (0.5)
Total suspended solids, mg/L	< 5.0 U (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/20/90	08/17/90
Dissolved oxygen, field, mg/L	7.2 F (N/R)	2.8 F (N/R)
eH, field, mvolts	57.0 F (N/R)	-37.7 F (N/R)
pH, field, s.u.	6.67 F (0.01)	-
Specific conductance, field, umhos/cm	1210.0 F (N/R)	910.0 F (N/R)
Temperature, field, Celsius	10.0 F (0.1)	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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-1A

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/19/90	08/16/90
Bicarbonate as $CaCO_3$, mg/L	54.9 A (1.0)	-
Carbonate as $CaCO_3$, mg/L	< 1.0 U (1.0)	-
Chloride, mg/L	< 5.0 U (5.0)	-
Hardness, mg/L	87.3 A (N/R)	-
Phosphorous, total, mg/L	0.63 R (0.04)	0.13 A (0.05)
Sulfate, mg/L	19.75 R (0.01)	11.4 A (5.0)
Sulfide, mg/L	0.026 R (0.004)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/19/90	08/16/90
Hardness (filtered), mg/L	82.1 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/19/90	08/16/90
Chemical oxygen demand, mg/L	64.7 A (20.0)	-
Total organic carbon, mg/L	9.2 R (20.5)	12.5 A (0.5)
Total suspended solids, mg/L	27.0 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/19/90	08/16/90
Dissolved oxygen, field, mg/L	4.8 F (N/R)	6.0 F (N/R)
eH, field, mvolts	104.7 F (N/R)	232.8 F (N/R)
pH, field, s.u.	6.56 F (0.01)	-
Specific conductance, field, umhos/cm	210.0 F (N/R)	290.0 F (N/R)
Temperature, field, Celsius	4.5 F (0.1)	18.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-4

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/19/90	08/15/90
Bicarbonate as $CaCO_3$, mg/L	55.5 A (1.0)	-
Carbonate as $CaCO_3$, mg/L	< 1.0 U (1.0)	-
Chloride, mg/L	232.0 A (5.0)	-
Hardness, mg/L	114.0 A (N/R)	-
Phosphorous, total, mg/L	1.45 R (0.04)	< 0.05 U (0.05)
Sulfate, mg/L	9.83 R (0.01)	12.0 A (5.0)
Sulfide, mg/L	0.025 R (0.004)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/19/90	08/15/90
Hardness (filtered), mg/L	118.0 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/19/90	08/15/90
Chemical oxygen demand, mg/L	49.1 A (20.0)	-
Total organic carbon, mg/L	1.1 R (20.5)	0.82 A (0.5)
Total suspended solids, mg/L	55.5 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/19/90	08/15/90
Dissolved oxygen, field, mg/L	0.08 F (N/R)	1.2 F (N/R)
eH, field, mvolts	30.4 F (N/R)	-53.2 F (N/R)
pH, field, s.u.	6.95 F (0.01)	-
Specific conductance, field, umhos/cm	960.0 F (N/R)	700.0 F (N/R)
Temperature, field, Celsius	9.0 F (0.1)	18.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-6

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/16/90	08/14/90
Bicarbonate as $CaCO_3$, mg/L	42.4 J (1.0)	-
Carbonate as $CaCO_3$, mg/L	< 1.0 UJ (1.0)	-
Chloride, mg/L	86.9 A (5.0)	-
Hardness, mg/L	138.0 A (N/R)	-
Phosphorous, total, mg/L	1.05 R (0.04)	0.07 A (0.05)
Sulfate, mg/L	3.3 R (0.01)	26.9 A (5.0)
Sulfide, mg/L	0.014 R (0.004)	0.052 A (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/16/90	08/14/90
Hardness (filtered), mg/L	139.0 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/16/90	08/14/90
Chemical oxygen demand, mg/L	< 20.0 U (20.0)	-
Total organic carbon, mg/L	1.2 R (20.5)	2.2 A (0.5)
Total suspended solids, mg/L	< 5.0 U (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/16/90	08/14/90
Dissolved oxygen, field, mg/L	3.4 F (N/R)	6.4 F (N/R)
eH, field, mvolts	170.2 F (N/R)	195.8 F (N/R)
pH, field, s.u.	6.36 F (0.01)	-
Specific conductance, field, umhos/cm	540.0 F (N/R)	600.0 F (N/R)
Temperature, field, Celsius	7.5 F (0.1)	13.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-7

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	04/25/90	04/25/90 Replicate	08/14/90
Bicarbonate as CaCO3, mg/L	55.1 R (5.0)	55.1 R (5.0)	-
Carbonate as CaCO3, mg/L	< 5.0 U (5.0)	< 5.0 U (5.0)	-
Chloride, mg/L	76.0 A (3.0)	73.0 A (3.0)	-
Hardness, mg/L	140.0 A (N/R)	141.0 A (N/R)	-
Phosphorous, total, mg/L	0.3 J (0.01)	0.21 J (0.01)	0.068 A (0.05)
Sulfate, mg/L	53.0 A (5.0)	51.0 A (5.0)	43.8 A (5.0)
Sulfide, mg/L	< 0.05 U (0.05)	< 0.05 U (0.05)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	04/25/90	04/25/90 Replicate	08/14/90
Hardness (filtered), mg/L	144.0 A (N/R)	141.0 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	04/25/90	04/25/90 Replicate	08/14/90
Chemical oxygen demand, mg/L	17.0 R (5.0)	23.0 R (5.0)	-
Total organic carbon, mg/L	3.0 A (2.0)	2.2 A (2.0)	5.5 A (0.5)
Total suspended solids, mg/L	26.0 A (1.0)	18.0 A (1.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	04/25/90	04/25/90 Replicate	08/14/90
Dissolved oxygen, field, mg/L	1.1 F (N/R)	-	2.1 F (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

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

Appendix C

Section 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-7

Chemical Compound Class: Physical Measurements

Chemical Parameter	04/25/90	04/25/90 Replicate	08/14/90
eH, field, mvolts	227.7 F (N/R)	-	162.8 F (N/R)
pH, field, s.u.	6.17 F (0.01)	-	-
Specific conductance, field, umhos/cm	470.0 F (N/R)	-	470.0 F (N/R)
Temperature, field, Celsius	10.0 F (0.1)	-	18.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/19/90	08/17/90
Bicarbonate as $CaCO_3$, mg/L	30.0 A (1.0)	-
Carbonate as $CaCO_3$, mg/L	< 1.0 U (1.0)	-
Chloride, mg/L	16.8 A (5.0)	-
Hardness, mg/L	408.0 A (N/R)	-
Phosphorous, total, mg/L	0.68 R (0.04)	< 0.05 U (0.05)
Sulfate, mg/L	451.25 R (0.01)	400.0 A (5.0)
Sulfide, mg/L	0.022 R (0.004)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/19/90	08/17/90
Hardness (filtered), mg/L	414.0 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/19/90	08/17/90
Chemical oxygen demand, mg/L	62.1 A (20.0)	-
Total organic carbon, mg/L	14.1 R (20.5)	29.2 A (0.5)
Total suspended solids, mg/L	222.0 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/19/90	08/17/90
Dissolved oxygen, field, mg/L	0.6 F (N/R)	7.2 F (N/R)
eH, field, mvolts	-174.5 F (N/R)	164.8 F (N/R)
pH, field, s.u.	7.38 F (0.01)	-
Specific conductance, field, umhos/cm	920.0 F (N/R)	890.0 F (N/R)
Temperature, field, Celsius	11.0 F (0.1)	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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/20/90	08/15/90
Bicarbonate as $CaCO_3$, mg/L	5.4 A (1.0)	-
Carbonate as $CaCO_3$, mg/L	< 1.0 U (1.0)	-
Chloride, mg/L	39.1 A (5.0)	-
Hardness, mg/L	33.2 A (N/R)	-
Phosphorous, total, mg/L	0.88 R (0.04)	< 0.05 U (0.05)
Sulfate, mg/L	48.0 R (0.01)	14.1 A (5.0)
Sulfide, mg/L	0.018 R (0.004)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/20/90	08/15/90
Hardness (filtered), mg/L	33.5 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/20/90	08/15/90
Chemical oxygen demand, mg/L	23.0 A (20.0)	-
Total organic carbon, mg/L	4.3 R (20.5)	2.3 A (0.5)
Total suspended solids, mg/L	48.0 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/20/90	08/15/90
Dissolved oxygen, field, mg/L	5.1 F (N/R)	8.8 F (N/R)
eH, field, mvolts	243.1 F (N/R)	307.6 F (N/R)
pH, field, s.u.	5.34 F (0.01)	-
Specific conductance, field, umhos/cm	220.0 F (N/R)	60.0 F (N/R)
Temperature, field, Celsius	8.0 F (0.1)	17.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/20/90	04/25/90	08/15/90
Bicarbonate as CaCO3, mg/L	65.5 A (1.0)	-	-
Carbonate as CaCO3, mg/L	< 1.0 U (1.0)	-	-
Chloride, mg/L	19.7 A (5.0)	-	-
Hardness, mg/L	104.0 A (N/R)	-	-
Phosphorous, total, mg/L	1.13 R (0.04)	-	0.14 A (0.05)
Sulfate, mg/L	111.13 R (0.01)	-	79.6 A (5.0)
Sulfide, mg/L	0.015 R (0.004)	-	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/20/90	04/25/90	08/15/90
Hardness (filtered), mg/L	109.0 A (N/R)	-	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/20/90	04/25/90	08/15/90
Chemical oxygen demand, mg/L	25.6 A (20.0)	-	-
Total organic carbon, mg/L	8.6 R (20.5)	-	12.7 A (0.5)
Total suspended solids, mg/L	35.0 A (5.0)	-	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/20/90	04/25/90	08/15/90
Dissolved oxygen, field, mg/L	0.8 F (N/R)	1.4 F (N/R)	2.9 F (N/R)
eH, field, mvolts	50.3 F (N/R)	54.2 F (N/R)	39.3 F (N/R)
pH, field, s.u.	6.39 F (0.01)	6.39 F (0.01)	-
Specific conductance, field, umhos/cm	340.0 F (N/R)	1310.0 F (N/R)	380.0 F (N/R)
Temperature, field, Celsius	7.0 F (0.1)	9.0 F (0.1)	15.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/15/90	04/25/90	08/15/90
Bicarbonate as CaCO3, mg/L	935.0 A (1.0)	-	-
Carbonate as CaCO3, mg/L	< 1.0 U (1.0)	-	-
Chloride, mg/L	34.7 A (5.0)	-	-
Hardness, mg/L	1730.0 A (N/R)	-	-
Phosphorous, total, mg/L	1.5 R (0.04)	-	0.3 A (0.05)
Sulfate, mg/L	1246.5 R (0.01)	-	1780.0 A (5.0)
Sulfide, mg/L	0.008 R (0.004)	-	0.084 A (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/15/90	04/25/90	08/15/90
Hardness (filtered), mg/L	1670.0 A (N/R)	-	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/15/90	04/25/90	08/15/90
Chemical oxygen demand, mg/L	144.0 A (20.0)	-	-
Total organic carbon, mg/L	29.1 J (20.5)	-	40.0 A (0.5)
Total suspended solids, mg/L	55.0 A (5.0)	-	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/15/90	04/25/90	08/15/90
Dissolved oxygen, field, mg/L	0.2 F (N/R)	1.1 F (N/R)	2.8 F (N/R)
eH, field, mvolts	-91.7 F (N/R)	-54.9 F (N/R)	-56.1 F (N/R)
pH, field, s.u.	7.15 F (0.01)	6.79 F (0.01)	-
Specific conductance, field, umhos/cm	4200.0 F (N/R)	4090.0 F (N/R)	3610.0 F (N/R)
Temperature, field, Celsius	9.5 F (0.1)	10.0 F (0.1)	15.5 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/19/90	03/19/90 Replicate	08/15/90
Bicarbonate as CaCO3, mg/L	347.0 A (1.0)	351.0 A (1.0)	-
Carbonate as CaCO3, mg/L	< 1.0 U (1.0)	< 1.0 U (1.0)	-
Chloride, mg/L	17.0 A (5.0)	20.8 A (5.0)	-
Hardness, mg/L	292.0 A (N/R)	266.0 A (N/R)	-
Phosphorous, total, mg/L	2.8 R (0.04)	1.48 R (0.04)	0.69 A (0.05)
Sulfate, mg/L	4.93 R (0.01)	53.98 R (0.01)	53.9 A (5.0)
Sulfide, mg/L	0.022 R (0.004)	0.017 R (0.004)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/19/90	03/19/90 Replicate	08/15/90
Hardness (filtered), mg/L	268.0 A (N/R)	267.0 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/19/90	03/19/90 Replicate	08/15/90
Chemical oxygen demand, mg/L	72.5 A (20.0)	33.4 A (20.0)	-
Total organic carbon, mg/L	7.0 A (20.5)	7.4 A (20.5)	13.3 A (0.5)
Total suspended solids, mg/L	40.5 A (5.0)	25.5 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/19/90	03/19/90 Replicate	08/15/90
Dissolved oxygen, field, mg/L	0.6 F (N/R)	-	1.7 F (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

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

Appendix C

Section 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/19/90	03/19/90 Replicate	08/15/90
eH, field, mvolts	-141.5 F (N/R)	-	-119.7 F (N/R)
pH, field, s.u.	7.02 F (0.01)	-	-
Specific conductance, field, umhos/cm	990.0 F (N/R)	-	950.0 F (N/R)
Temperature, field, Celsius	12.0 F (0.1)	-	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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-14

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/15/90	08/16/90
Bicarbonate as $CaCO_3$, mg/L	35.5 A (1.0)	-
Carbonate as $CaCO_3$, mg/L	< 1.0 U (1.0)	-
Chloride, mg/L	15.7 A (5.0)	-
Hardness, mg/L	223.0 A (N/R)	-
Phosphorous, total, mg/L	0.08 R (0.04)	< 0.05 U (0.05)
Sulfate, mg/L	6.2 R (0.01)	274.0 A (5.0)
Sulfide, mg/L	0.01 R (0.004)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/15/90	08/16/90
Hardness (filtered), mg/L	241.0 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/15/90	08/16/90
Chemical oxygen demand, mg/L	< 20.0 U (20.0)	-
Total organic carbon, mg/L	5.1 R (20.5)	10.0 A (0.5)
Total suspended solids, mg/L	51.0 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/15/90	08/16/90
Dissolved oxygen, field, mg/L	2.6 F (N/R)	3.8 F (N/R)
eH, field, mvolts	178.4 F (N/R)	205.9 F (N/R)
pH, field, s.u.	5.87 F (0.01)	-
Specific conductance, field, umhos/cm	520.0 F (N/R)	620.0 F (N/R)
Temperature, field, Celsius	8.5 F (0.1)	15.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-15

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/19/90	08/16/90
Bicarbonate as CaCO3, mg/L	10.0 A (1.0)	-
Carbonate as CaCO3, mg/L	< 1.0 U (1.0)	-
Chloride, mg/L	140.0 A (5.0)	-
Hardness, mg/L	45.7 A (N/R)	-
Phosphorous, total, mg/L	2.58 R (0.04)	0.066 A (0.05)
Sulfate, mg/L	12.93 R (0.01)	16.5 A (5.0)
Sulfide, mg/L	0.021 R (0.004)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/19/90	08/16/90
Hardness (filtered), mg/L	39.6 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/19/90	08/16/90
Chemical oxygen demand, mg/L	33.4 A (20.0)	-
Total organic carbon, mg/L	1.3 A (20.5)	1.5 A (0.5)
Total suspended solids, mg/L	18.5 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/19/90	08/16/90
Dissolved oxygen, field, mg/L	2.0 F (N/R)	4.2 F (N/R)
eH, field, mvolts	137.5 F (N/R)	261.8 F (N/R)
pH, field, s.u.	6.07 F (0.01)	-
Specific conductance, field, umhos/cm	550.0 F (N/R)	790.0 F (N/R)
Temperature, field, Celsius	6.5 F (0.1)	15.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/20/90	08/17/90
Bicarbonate as $CaCO_3$, mg/L	11100.0 A (1.0)	-
Carbonate as $CaCO_3$, mg/L	< 1.0 U (1.0)	-
Chloride, mg/L	146.0 A (5.0)	-
Hardness, mg/L	884.0 A (N/R)	-
Phosphorous, total, mg/L	9.98 A (0.04)	4.5 A (0.05)
Sulfate, mg/L	0.27 R (0.01)	< 5.0 U (5.0)
Sulfide, mg/L	0.113 J (0.004)	0.2 A (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/20/90	08/17/90
Hardness (filtered), mg/L	829.0 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/20/90	08/17/90
Chemical oxygen demand, mg/L	1350.0 A (20.0)	-
Total organic carbon, mg/L	2770.0 J (20.5)	2730.0 A (0.5)
Total suspended solids, mg/L	136.0 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/20/90	08/17/90
Dissolved oxygen, field, mg/L	0.4 F (N/R)	-
eH, field, mvolts	-59.2 F (N/R)	-
pH, field, s.u.	7.8 F (0.01)	-
Specific conductance, field, umhos/cm	17880.0 F (N/R)	-
Temperature, field, Celsius	9.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/15/90	04/25/90	08/14/90
Bicarbonate as CaCO3, mg/L	1460.0 A (1.0)	-	-
Carbonate as CaCO3, mg/L	< 1.0 U (1.0)	-	-
Chloride, mg/L	144.0 A (5.0)	-	-
Hardness, mg/L	939.0 A (N/R)	-	-
Phosphorous, total, mg/L	1.7 R (0.04)	-	0.81 A (0.05)
Sulfate, mg/L	49.15 R (0.01)	-	902.0 A (5.0)
Sulfide, mg/L	0.029 R (0.004)	-	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/15/90	04/25/90	08/14/90
Hardness (filtered), mg/L	881.0 A (N/R)	-	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/15/90	04/25/90	08/14/90
Chemical oxygen demand, mg/L	454.0 A (20.0)	-	-
Total organic carbon, mg/L	160.0 J (20.5)	-	120.0 A (0.5)
Total suspended solids, mg/L	97.0 A (5.0)	-	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/15/90	04/25/90	08/14/90
Dissolved oxygen, field, mg/L	0.6 F (N/R)	0.2 F (N/R)	5.0 F (N/R)
eH, field, mvolts	-85.0 F (N/R)	-25.3 F (N/R)	-89.6 F (N/R)
pH, field, s.u.	7.01 F (0.01)	7.21 F (0.01)	-
Specific conductance, field, umhos/cm	5670.0 F (N/R)	4240.0 F (N/R)	4840.0 F (N/R)
Temperature, field, Celsius	9.5 F (0.1)	9.5 F (0.1)	16.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/15/90	04/25/90	08/15/90
Bicarbonate as $CaCO_3$, mg/L	29.6 A (1.0)	-	-
Carbonate as $CaCO_3$, mg/L	< 1.0 U (1.0)	-	-
Chloride, mg/L	98.4 A (5.0)	-	-
Hardness, mg/L	246.0 A (N/R)	-	-
Phosphorous, total, mg/L	< 0.04 R (0.04)	-	< 0.05 U (0.05)
Sulfate, mg/L	155.45 R (0.01)	-	283.0 A (5.0)
Sulfide, mg/L	0.012 R (0.004)	-	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/15/90	04/25/90	08/15/90
Hardness (filtered), mg/L	243.0 A (N/R)	-	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/15/90	04/25/90	08/15/90
Chemical oxygen demand, mg/L	< 20.0 U (20.0)	-	-
Total organic carbon, mg/L	5.1 R (20.5)	-	14.6 A (0.5)
Total suspended solids, mg/L	7.0 A (5.0)	-	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/15/90	04/25/90	08/15/90
Dissolved oxygen, field, mg/L	0.9 F (N/R)	1.6 F (N/R)	4.0 F (N/R)
eH, field, mvolts	191.7 F (N/R)	207.0 F (N/R)	217.0 F (N/R)
pH, field, s.u.	5.65 F (0.01)	5.74 F (0.01)	-
Specific conductance, field, umhos/cm	1020.0 F (N/R)	1050.0 F (N/R)	940.0 F (N/R)
Temperature, field, Celsius	10.5 F (0.1)	9.0 F (0.1)	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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/15/90	08/14/90
Bicarbonate as $CaCO_3$, mg/L	67.8 A (1.0)	-
Carbonate as $CaCO_3$, mg/L	< 1.0 U (1.0)	-
Chloride, mg/L	47.6 A (5.0)	-
Hardness, mg/L	329.0 A (N/R)	-
Phosphorous, total, mg/L	1.38 R (0.04)	< 0.05 U (0.05)
Sulfate, mg/L	181.0 R (0.01)	231.0 A (5.0)
Sulfide, mg/L	0.01 R (0.004)	0.12 A (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/15/90	08/14/90
Hardness (filtered), mg/L	344.0 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/15/90	08/14/90
Chemical oxygen demand, mg/L	52.3 A (20.0)	-
Total organic carbon, mg/L	5.5 A (20.5)	13.4 A (0.5)
Total suspended solids, mg/L	44.0 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/15/90	08/14/90
Dissolved oxygen, field, mg/L	0.7 F (N/R)	3.4 F (N/R)
eH, field, mvolts	207.0 F (N/R)	215.3 F (N/R)
pH, field, s.u.	6.27 F (0.01)	-
Specific conductance, field, umhos/cm	860.0 F (N/R)	810.0 F (N/R)
Temperature, field, Celsius	10.0 F (0.1)	16.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/16/90	04/25/90	08/14/90
Bicarbonate as $CaCO_3$, mg/L	16.5 R (1.0)	-	-
Carbonate as $CaCO_3$, mg/L	< 1.0 UJ (1.0)	-	-
Chloride, mg/L	42.2 A (5.0)	-	-
Hardness, mg/L	71.4 A (N/R)	-	-
Phosphorous, total, mg/L	< 0.04 U (0.04)	-	< 0.05 U (0.05)
Sulfate, mg/L	18.35 R (0.01)	-	99.3 A (5.0)
Sulfide, mg/L	0.017 R (0.004)	-	0.055 A (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/16/90	04/25/90	08/14/90
Hardness (filtered), mg/L	71.6 A (N/R)	-	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/16/90	04/25/90	08/14/90
Chemical oxygen demand, mg/L	< 20.0 U (20.0)	-	-
Total organic carbon, mg/L	3.4 R (20.5)	-	3.9 A (0.5)
Total suspended solids, mg/L	10.0 A (5.0)	-	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/16/90	04/25/90	08/14/90
Dissolved oxygen, field, mg/L	0.8 F (N/R)	1.1 F (N/R)	3.0 F (N/R)
eH, field, mvolts	120.8 F (N/R)	228.7 F (N/R)	189.9 F (N/R)
pH, field, s.u.	6.01 F (0.01)	6.14 F (0.01)	-
Specific conductance, field, umhos/cm	440.0 F (N/R)	460.0 F (N/R)	450.0 F (N/R)
Temperature, field, Celsius	9.0 F (0.1)	10.0 F (0.1)	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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/16/90	08/14/90
Bicarbonate as CaCO3, mg/L	59.8 J (1.0)	-
Carbonate as CaCO3, mg/L	< 1.0 UJ (1.0)	-
Chloride, mg/L	29.9 A (5.0)	-
Hardness, mg/L	86.4 A (N/R)	-
Phosphorous, total, mg/L	0.75 R (0.04)	0.055 A (0.05)
Sulfate, mg/L	7.75 R (0.01)	31.1 A (5.0)
Sulfide, mg/L	0.016 R (0.004)	0.055 A (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/16/90	08/14/90
Hardness (filtered), mg/L	83.8 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/16/90	08/14/90
Chemical oxygen demand, mg/L	< 20.0 U (20.0)	-
Total organic carbon, mg/L	3.4 R (20.5)	9.7 A (0.5)
Total suspended solids, mg/L	32.0 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/16/90	08/14/90
Dissolved oxygen, field, mg/L	0.6 F (N/R)	1.9 F (N/R)
eH, field, mvolts	78.7 F (N/R)	64.2 F (N/R)
pH, field, s.u.	6.47 F (0.01)	-
Specific conductance, field, umhos/cm	340.0 F (N/R)	310.0 F (N/R)
Temperature, field, Celsius	8.5 F (0.1)	18.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-20

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/16/90	04/25/90	08/14/90	08/14/90 Replicate
Bicarbonate as $CaCO_3$, mg/L	90.5 J (1.0)	-	-	-
Carbonate as $CaCO_3$, mg/L	< 1.0 UJ (1.0)	-	-	-
Chloride, mg/L	48.6 A (5.0)	-	-	-
Hardness, mg/L	172.0 A (N/R)	-	-	-
Phosphorous, total, mg/L	2.8 R (0.04)	-	0.91 A (0.05)	0.19 A (0.05)
Sulfate, mg/L	160.93 R (0.01)	-	55.4 A (5.0)	55.4 A (5.0)
Sulfide, mg/L	0.019 R (0.004)	-	< 0.05 U (0.05)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/16/90	04/25/90	08/14/90	08/14/90 Replicate
Hardness (filtered), mg/L	164.0 A (N/R)	-	-	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/16/90	04/25/90	08/14/90	08/14/90 Replicate
Chemical oxygen demand, mg/L	< 20.0 U (20.0)	-	-	-
Total organic carbon, mg/L	5.4 R (20.5)	-	2.1 A (0.5)	2.4 A (0.5)
Total suspended solids, mg/L	59.5 A (5.0)	-	-	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/16/90	04/25/90	08/14/90	08/14/90 Replicate
Dissolved oxygen, field, mg/L	1.0 F (N/R)	1.0 F (N/R)	1.9 F (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

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

Appendix C

Section 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-20

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/16/90	04/25/90	08/14/90	08/14/90 Replicate
eH, field, mvolts	-164.0 F (N/R)	84.7 F (N/R)	-61.4 F (N/R)	-
pH, field, s.u.	6.83 F (0.01)	6.7 F (0.01)	-	-
Specific conductance, field, umhos/cm	420.0 F (N/R)	500.0 F (N/R)	460.0 F (N/R)	-
Temperature, field, Celsius	10.0 F (0.1)	8.0 F (0.1)	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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/21/90	03/21/90 Replicate	08/15/90	08/15/90 Replicate
Bicarbonate as $CaCO_3$, mg/L	118.0 A (1.0)	121.0 A (1.0)	-	-
Carbonate as $CaCO_3$, mg/L	< 1.0 U (1.0)	< 1.0 U (1.0)	-	-
Chloride, mg/L	10.9 A (5.0)	11.0 A (5.0)	-	-
Hardness, mg/L	0.141 A (N/R)	144.0 A (N/R)	-	-
Phosphorous, total, mg/L	3.9 R (0.04)	3.28 R (0.04)	0.064 A (0.05)	0.068 A (0.05)
Sulfate, mg/L	47.69 R (0.01)	49.83 R (0.01)	25.1 A (5.0)	18.4 A (5.0)
Sulfide, mg/L	0.007 R (0.004)	< 0.004 R (0.004)	< 0.05 U (0.05)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/21/90	03/21/90 Replicate	08/15/90	08/15/90 Replicate
Hardness (filtered), mg/L	0.149 A (N/R)	126.0 A (N/R)	-	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/21/90	03/21/90 Replicate	08/15/90	08/15/90 Replicate
Chemical oxygen demand, mg/L	< 20.0 U (20.0)	24.4 A (20.0)	-	-
Total organic carbon, mg/L	4.7 R (20.5)	4.6 R (20.5)	9.8 A (0.5)	16.4 A (0.5)
Total suspended solids, mg/L	76.0 A (5.0)	84.0 A (5.0)	-	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/21/90	03/21/90 Replicate	08/15/90	08/15/90 Replicate
Dissolved oxygen, field, mg/L	2.2 F (N/R)	-	5.6 F (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

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

Appendix C

Section 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/21/90	03/21/90 Replicate	08/15/90	08/15/90 Replicate
eH, field, mvolts	113.0 F (N/R)	-	97.2 F (N/R)	-
pH, field, s.u.	5.95 F (0.01)	-	-	-
Specific conductance, field, umhos/cm	360.0 F (N/R)	-	320.0 F (N/R)	-
Temperature, field, Celsius	6.5 F (0.1)	-	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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/21/90	08/17/90
Bicarbonate as CaCO3, mg/L	321.0 A (1.0)	-
Carbonate as CaCO3, mg/L	< 1.0 U (1.0)	-
Chloride, mg/L	22.6 A (5.0)	-
Hardness, mg/L	753.0 A (N/R)	-
Phosphorous, total, mg/L	14.15 A (0.04)	0.053 A (0.05)
Sulfate, mg/L	565.0 R (0.01)	711.0 A (5.0)
Sulfide, mg/L	0.005 R (0.004)	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/21/90	08/17/90
Hardness (filtered), mg/L	709.0 A (N/R)	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/21/90	08/17/90
Chemical oxygen demand, mg/L	24.4 A (20.0)	-
Total organic carbon, mg/L	11.5 R (20.5)	15.3 A (0.5)
Total suspended solids, mg/L	1500.0 A (5.0)	-

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/21/90	08/17/90
Dissolved oxygen, field, mg/L	1.9 F (N/R)	3.1 F (N/R)
eH, field, mvolts	-25.6 F (N/R)	-
pH, field, s.u.	6.34 F (0.01)	-
Specific conductance, field, umhos/cm	1900.0 F (N/R)	1890.0 F (N/R)
Temperature, field, Celsius	6.5 F (0.1)	15.0 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 1. Summary of Ground-Water Quality Data, Ground-Water/Surface-Water Investigation Plan, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Nonmetallic Inorganic Compounds (unfiltered)

Chemical Parameter	03/21/90	03/22/90	08/15/90
Bicarbonate as $CaCO_3$, mg/L	29.5 A (1.0)	-	-
Hardness, mg/L	464.0 A (N/R)	-	-
Phosphorous, total, mg/L	9.0 A (0.04)	-	0.059 A (0.05)
Sulfate, mg/L	2.0 R (0.01)	-	12.5 A (5.0)
Sulfide, mg/L	0.06 R (0.004)	-	< 0.05 U (0.05)

Chemical Compound Class: Nonmetallic Inorganic Compounds (filtered)

Chemical Parameter	03/21/90	03/22/90	08/15/90
Hardness (filtered), mg/L	58.6 A (N/R)	-	-

Chemical Compound Class: Miscellaneous Compounds (unfiltered)

Chemical Parameter	03/21/90	03/22/90	08/15/90
Total organic carbon, mg/L	8.4 R (20.5)	-	0.71 A (0.5)

Chemical Compound Class: Physical Measurements

Chemical Parameter	03/21/90	03/22/90	08/15/90
Dissolved oxygen, field, mg/L	-	6.0 F (N/R)	9.0 F (N/R)
eH, field, mvolts	-	111.2 F (N/R)	254.2 F (N/R)
pH, field, s.u.	-	6.6 F (0.01)	-
Specific conductance, field, umhos/cm	-	190.0 F (N/R)	90.0 F (N/R)
Temperature, field, Celsius	-	9.0 F (0.1)	18.0 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

PTI
ENVIRONMENTAL SERVICES
2995 Baseline Road ■ Suite 202 ■ Boulder, Colorado 80303 (303) 444-7270 ■ FAX (303) 444-7528

11 March 1991

William Sarni
Roux Associates, Inc.
1860 Blake Street
Suite 110
Denver, CO 80202

Dear Bill,

Water samples from Well OW-16 that I collected on 12 March 1991 have been analyzed for both organic and inorganic arsenic species. The method used involves selective reduction with sodium borohydride and a separation of arsines by volatilization from a cold trap, followed by atomic emission detection. The method is capable of separating As(III), As(V), monomethylarsonic acid, and dimethylarsinic acid, with a detection limit of 0.01 $\mu g/L$. This method is described in further detail in the Industri-Plex Work Plan submitted by PTI Boulder. Total arsenic was determined to be 2,194 $\mu g/L$, in agreement with the 2,250 $\mu g/L$ determined in Well OW-16 during the March-August 1990 sampling of the Industri-Plex site and with the value of 2,220 $\mu g/L$ determined by Mike Ruby of PTI Boulder using graphite furnace atomic absorption at the University of Colorado. Results from the analysis are presented in Table 1.

TABLE 1. RESULTS FROM ARSENIC SPECIATION ANALYSIS

Arsenic Form	Total Conc. $\mu g/L$	Percent of Total As
Arsenic(V)	22	1
Arsenic(III)	222	10
Monomethylarsonic acid (MMAA)	1,560	71
Dimethylarsinic acid (DMAA)	390	18

The high concentration of methylated arsenic species present in Well OW-16 indicates that methylation of organic arsenic species is occurring under the reducing conditions within the hide piles and supports our initial contention that methylated arsenic species are an important form of arsenic at the site. This is especially critical given that MMAA and DMAA are more mobile in the environment than the inorganic forms.

As more data becomes available, we will transmit it to you. If you have any questions, please feel free to call me at (303) 444-7270.

Sincerely,

Andy Davis
Director of Geochemistry

cc: Bruce Yare (Monsanto)
Tim Bauman (Roux)

PTI
ENVIRONMENTAL SERVICES
2995 Baseline Road ■ Suite 202 ■ Boulder, Colorado 80303 (303) 444-7270 ■ FAX (303) 444-7528

15 March 1991

Mr. William Sarni
Roux Associates, Inc.
1860 Blake St, Suite 110
Denver, CO 80202

Subject: Chromium data on samples from Well OW-16
PTI Project No. C1320101

Dear Bill,

This letter summarizes the status of the verification for determining dissolved Cr(III) present in the organically complexed form in Industri-Plex Site groundwaters. The method involves passing a filtered water sample through a Chelex-100 cation exchange resin to remove the labile Cr(III) (i.e., chromium bound as aqueous complexes with hydroxides, sulfates, carbonates, etc.). Cr(III) that is strongly bound to dissolved organic matter, as well as anionic Cr(VI), will pass through the Chelex column. Organic Cr(III) complexes are operationally defined as those that form stronger bonds than the Cr(III)/Chelex-100. The concentration of aqueous Cr(III) bound to organic ligands is determined as the chromium in the column effluent minus the Cr(VI) in the original sample.

Method verification was designed to investigate the following:

1) To determine if Labile Cr(III) is removed by Chelex-100 resin.
2) To determine if chromium in OW-16 groundwater is organically complexed.

Table 1 summarizes the results of the method development. Eighty eight percent of the Cr(III) in Solution Number 1 {100 μg/L Cr(III) in pH 4.5 water} was removed by the column, demonstrating that Chelex-100 is capable of rapidly extracting labile Cr(III) from solution. Column separations of OW-16 water (Sample #2) indicated that approximately 85 percent of the chromium in this groundwater is tightly bound to organic ligands, in support of the Industri-Plex Paradigm. These data explain why chromium is more mobile than anticipated; complexation by organic acids (e.g., acetic and citric) increases chromium solubility and thus promotes chromium mobility. The next step is to determine the nature of organic acids facilitating chromium transport. A laboratory has been identified that can undertake these analyses. Preliminary results of the organic acid fractionation have been undertaken and are presented in a separate letter. Results of more detailed analyses to identify specific organic acids should be available in approximately 1 month.

TABLE 1. Results of Cr(III) Separation Method Development

Sample #	Contents	Pre-Column		Post Column		Percent Cr(III) Tightly Complexed
		Conc. Expected (µg/L)	Conc. Measured (µg/L)	Conc. Expected (µg/L)	Conc. Measured (µg/L)	
1	100 µg/L Cr(III), pH 4.5	100	76	0	12	12
2	OW-16	160*	184	<160	156	85
3	OW-16 + 100 µg/L Cr(III)	260*	240	<260	280	107
4	OW-16 + 100 µg/L Cr(III); (Duplicate)	260*	240	<260	186	71

*Assumed concentration base on 3/19/90 sampling of OW-16.

Sample descriptions:

1 Laboratory Standard Cr(III)
2 Industri-Plex sample from Well OW-16.
3 Industri-Plex sample from Well OW-16, spiked with 100 µg/L Cr(III)
4 Industri-Plex sample from Well OW-16, spiked with 100 µg/L Cr(III), duplicate of 3

If you have any questions regarding this letter, please feel free to call me at (303)444-7270.

Sincerely,

Andy Davis, Ph.D.
Director of Geochemistry

cc: Gary Bigham (PTI)
Houston Kempton (PTI)

APPENDIX C

Data Summaries and Statistical Analyses

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/18/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	3.0 J
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	6.0 A
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	25.0 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	< 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	35.0 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/16/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/16/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/15/90	10/15/90 Duplicate
Acetone, ug/L	10.0	33.0 J	47.0 J
Benzene, ug/L	5.0	300.0 J	260.0 A
Bromodichloromethane, ug/L	5.0	< 5.0 U	< 10.0 U
Bromoform, ug/L	5.0	< 5.0 U	< 10.0 U
Bromomethane, ug/L	10.0	< 10.0 U	< 20.0 U
2-Butanone, ug/L	10.0	< 10.0 U	< 20.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U	< 10.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U	< 10.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U	< 10.0 U
Chloroethane, ug/L	10.0	< 10.0 U	< 20.0 U
Chloroform, ug/L	5.0	< 5.0 U	< 10.0 U
Chloromethane, ug/L	10.0	< 10.0 U	< 20.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U	< 10.0 U
1,1-Dichloroethane, ug/L	5.0	< 5.0 U	< 10.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U	< 10.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U	< 10.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U	< 10.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U	< 10.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U	< 10.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U	< 10.0 U
Ethylbenzene, ug/L	5.0	3.0 J	2.0 J
2-Hexanone, ug/L	10.0	< 10.0 U	< 20.0 U
Methylene chloride, ug/L	5.0	< 5.0 U	< 10.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U	< 20.0 U
Styrene, ug/L	5.0	< 5.0 U	< 10.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 UJ	< 10.0 UJ
Tetrachloroethene, ug/L	5.0	< 5.0 U	< 10.0 U
Toluene, ug/L	5.0	180.0 A	170.0 A
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U	< 10.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U	< 10.0 U
Trichloroethene, ug/L	5.0	< 5.0 U	< 10.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U	< 20.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U	< 20.0 U
Xylenes, total, ug/L	5.0	13.0 A	11.0 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/15/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	4.0 J
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 UJ
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/18/90
Acetone, ug/L	10.0	< 2000.0 U
Benzene, ug/L	5.0	< 1000.0 U
Bromodichloromethane, ug/L	5.0	< 1000.0 U
Bromoform, ug/L	5.0	< 1000.0 U
Bromomethane, ug/L	10.0	< 2000.0 U
2-Butanone, ug/L	10.0	< 2000.0 U
Carbon disulfide, ug/L	5.0	< 1000.0 U
Carbon tetrachloride, ug/L	5.0	< 1000.0 U
Chlorobenzene, ug/L	5.0	< 1000.0 U
Chloroethane, ug/L	10.0	< 2000.0 U
Chloroform, ug/L	5.0	< 1000.0 U
Chloromethane, ug/L	10.0	< 2000.0 U
Dibromochloromethane, ug/L	5.0	< 1000.0 U
1,1-Dichloroethane, ug/L	5.0	< 1000.0 U
1,2-Dichloroethane, ug/L	5.0	< 1000.0 U
1,1-Dichloroethene, ug/L	5.0	< 1000.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 1000.0 U
1,2-Dichloropropane, ug/L	5.0	< 1000.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 1000.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 1000.0 U
Ethylbenzene, ug/L	5.0	< 1000.0 U
2-Hexanone, ug/L	10.0	< 2000.0 U
Methylene chloride, ug/L	5.0	< 1000.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 2000.0 U
Styrene, ug/L	5.0	< 1000.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 1000.0 U
Tetrachloroethene, ug/L	5.0	< 1000.0 U
Toluene, ug/L	5.0	32000.0 A
1,1,1-Trichloroethane, ug/L	5.0	< 1000.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 1000.0 U
Trichloroethene, ug/L	5.0	< 1000.0 U
Vinyl acetate, ug/L	10.0	< 2000.0 U
Vinyl chloride, ug/L	10.0	< 2000.0 U
Xylenes, total, ug/L	5.0	< 1000.0 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/16/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	180.0 J
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	2.0 J
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	1.0 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	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/16/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/16/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/16/90
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	1.0 J
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/16/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/18/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/17/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-23

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 R
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	22.0 J
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	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90	10/16/90
Acetone, ug/L	10.0	< 10.0 U	< 10.0 U
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24B

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90	10/16/90
Acetone, ug/L	10.0	< 10.0 U	< 10.0 U
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	14.0 R	< 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 R	< 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	1.0 J	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25B

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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	11.0 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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26B

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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	2.0 J
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	8.0 A
1,2-Dichloroethene, total, ug/L	5.0	3.0 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	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	26.0 A
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U
Trichloroethene, ug/L	5.0	110.0 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 R
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	23.0 J
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27B

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 R
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	19.0 J
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	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/17/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-29

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90	06/04/90 Replicate
Acetone, ug/L	10.0	< 10.0 U	< 10.0 U
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 R	5.0 R
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90	06/05/90 Replicate	10/17/90
Acetone, ug/L	10.0	< 10.0 U	< 10.0 U	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Bromodichloromethane, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Bromoform, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Bromomethane, ug/L	10.0	< 10.0 U	< 10.0 U	< 10.0 U
2-Butanone, ug/L	10.0	< 10.0 U	< 10.0 U	< 10.0 U
Carbon disulfide, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Carbon tetrachloride, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Chlorobenzene, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Chloroethane, ug/L	10.0	< 10.0 U	< 10.0 U	< 10.0 U
Chloroform, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Chloromethane, ug/L	10.0	< 10.0 U	< 10.0 U	< 10.0 U
Dibromochloromethane, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethane, ug/L	5.0	2.0 J	< 5.0 U	< 5.0 U
1,2-Dichloroethane, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
1,2-Dichloropropane, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Ethylbenzene, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone, ug/L	10.0	< 10.0 U	< 10.0 U	< 10.0 U
Methylene chloride, ug/L	5.0	5.0 R	5.0 R	< 5.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 10.0 U	< 10.0 U	< 10.0 U
Styrene, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Tetrachloroethene, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Toluene, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 5.0 U	1.0 J	< 5.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Trichloroethene, ug/L	5.0	< 5.0 U	< 5.0 U	< 5.0 U
Vinyl acetate, ug/L	10.0	< 10.0 U	< 10.0 U	< 10.0 U
Vinyl chloride, ug/L	10.0	< 10.0 U	< 10.0 U	< 10.0 U
Xylenes, total, ug/L	5.0	< 5.0 U	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30B

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90	10/17/90
Acetone, ug/L	10.0	< 10.0 U	< 10.0 U
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	6.0 R	4.0 J
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 R	< 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	1.0 A	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-31

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/06/90	10/18/90
Acetone, ug/L	10.0	< 5000.0 U	< 3200.0 U
Benzene, ug/L	5.0	48000.0 A	36000.0 A
Bromodichloromethane, ug/L	5.0	< 2500.0 U	< 1600.0 U
Bromoform, ug/L	5.0	< 2500.0 U	< 1600.0 U
Bromomethane, ug/L	10.0	< 5000.0 U	< 3200.0 U
2-Butanone, ug/L	10.0	< 5000.0 U	< 3200.0 U
Carbon disulfide, ug/L	5.0	< 2500.0 U	< 1600.0 U
Carbon tetrachloride, ug/L	5.0	< 2500.0 U	< 1600.0 U
Chlorobenzene, ug/L	5.0	< 2500.0 U	< 1600.0 U
Chloroethane, ug/L	10.0	< 5000.0 U	< 3200.0 U
Chloroform, ug/L	5.0	< 2500.0 U	< 1600.0 U
Chloromethane, ug/L	10.0	< 5000.0 U	< 3200.0 U
Dibromochloromethane, ug/L	5.0	< 2500.0 U	< 1600.0 U
1,1-Dichloroethane, ug/L	5.0	< 2500.0 U	< 1600.0 U
1,2-Dichloroethane, ug/L	5.0	< 2500.0 U	< 1600.0 U
1,1-Dichloroethene, ug/L	5.0	< 2500.0 U	< 1600.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 2500.0 U	< 1600.0 U
1,2-Dichloropropane, ug/L	5.0	< 2500.0 U	< 1600.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 2500.0 U	< 1600.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 2500.0 U	< 1600.0 U
Ethylbenzene, ug/L	5.0	< 2500.0 U	< 1600.0 U
2-Hexanone, ug/L	10.0	< 5000.0 U	< 3200.0 U
Methylene chloride, ug/L	5.0	< 2500.0 U	< 1600.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 5000.0 U	< 3200.0 U
Styrene, ug/L	5.0	< 2500.0 U	< 1600.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 2500.0 U	< 1600.0 U
Tetrachloroethene, ug/L	5.0	< 2500.0 U	< 1600.0 U
Toluene, ug/L	5.0	< 2500.0 U	< 1600.0 U
1,1,1-Trichloroethane, ug/L	5.0	< 2500.0 U	< 1600.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 2500.0 U	< 1600.0 U
Trichloroethene, ug/L	5.0	< 2500.0 U	< 1600.0 U
Vinyl acetate, ug/L	10.0	< 5000.0 U	< 3200.0 U
Vinyl chloride, ug/L	10.0	< 5000.0 U	< 3200.0 U
Xylenes, total, ug/L	5.0	< 2500.0 U	< 1600.0 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-32

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/06/90	10/17/90
Acetone, ug/L	10.0	< 10.0 U	< 10.0 U
Benzene, ug/L	5.0	41.0 J	14.0 A
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	1.0 J	< 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	2.0 J	< 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	1.0 J	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33A

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33B

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 R
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 J
1,2-Dichloroethane, ug/L	5.0	< 5.0 U
1,1-Dichloroethene, ug/L	5.0	2.0 J
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	1.0 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	92.0 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-36

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/18/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-37

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/18/90
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

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-38

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	11/07/90	11/07/90 Replicate
Acetone, ug/L	10.0	< 10.0 U	< 10.0 U
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 UJ	< 10.0 UJ
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-39

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/15/90	10/15/90 Replicate	10/15/90 Duplicate
Acetone, ug/L	10.0	290.0 J	250.0 J	260.0 J
Benzene, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
Bromodichloromethane, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
Bromoform, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
Bromomethane, ug/L	10.0	< 20.0 U	< 10.0 U	< 20.0 U
2-Butanone, ug/L	10.0	< 20.0 U	< 10.0 U	< 20.0 U
Carbon disulfide, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
Carbon tetrachloride, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
Chlorobenzene, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
Chloroethane, ug/L	10.0	< 20.0 U	< 10.0 U	< 20.0 U
Chloroform, ug/L	5.0	4.0 J	4.0 J	4.0 J
Chloromethane, ug/L	10.0	< 20.0 U	< 10.0 U	< 20.0 U
Dibromochloromethane, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
1,1-Dichloroethane, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
1,2-Dichloroethane, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
1,1-Dichloroethene, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
1,2-Dichloroethene, total, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
1,2-Dichloropropane, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
cis-1,3-Dichloropropene, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
trans-1,3-Dichloropropene, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
Ethylbenzene, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
2-Hexanone, ug/L	10.0	< 20.0 U	< 10.0 U	< 20.0 U
Methylene chloride, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
4-Methyl-2-pentanone, ug/L	10.0	< 20.0 U	< 10.0 U	< 20.0 U
Styrene, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
1,1,2,2-Tetrachloroethane, ug/L	5.0	< 10.0 UJ	< 5.0 UJ	< 10.0 U
Tetrachloroethene, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
Toluene, ug/L	5.0	140.0 A	120.0 A	110.0 A
1,1,1-Trichloroethane, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
1,1,2-Trichloroethane, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
Trichloroethene, ug/L	5.0	< 10.0 U	< 5.0 U	< 10.0 U
Vinyl acetate, ug/L	10.0	< 20.0 U	< 10.0 U	< 20.0 U
Vinyl chloride, ug/L	10.0	< 20.0 U	< 10.0 U	< 20.0 U
Xylenes, total, ug/L	5.0	< 10.0 U	< 5.0 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-40

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/15/90
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 UJ
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-41

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/15/90
Acetone, ug/L	10.0	36.0 J
Benzene, ug/L	5.0	27.0 A
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	1.0 J
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 UJ
Tetrachloroethene, ug/L	5.0	< 5.0 U
Toluene, ug/L	5.0	9.0 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	< 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	6.0 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-42

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	10/15/90
Acetone, ug/L	10.0	< 46.0 U
Benzene, ug/L	5.0	14.0 A
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	82.0 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	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: PUB

Chemical Compound Class: Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
Acetone, ug/L	10.0	< 10.0 U
Benzene, ug/L	5.0	< 5.0 U
Bromodichloromethane, ug/L	5.0	5.0 A
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	23.0 R
Chloromethane, ug/L	10.0	< 10.0 U
Dibromochloromethane, ug/L	5.0	1.0 J
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-23

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-23

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
Acenaphthene, ug/L	10.0	3.0 J
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
Acenaphthene, ug/L	10.0	< 50.0 U
Acenaphthylene, ug/L	10.0	< 50.0 U
Anthracene, ug/L	10.0	< 50.0 U
Benzo (a) anthracene, ug/L	10.0	< 50.0 U
Benzo (a) pyrene, ug/L	10.0	< 50.0 U
Benzo (b) fluoranthene, ug/L	10.0	< 50.0 U
Benzo (g,h,i) perylene, ug/L	10.0	< 50.0 U
Benzoic acid, ug/L	50.0	< 250.0 U
Benzo (k) fluoranthene, ug/L	10.0	< 50.0 U
Benzyl alcohol, ug/L	10.0	< 50.0 U
Bis (2-Chloroethoxy) methane, ug/L	10.0	< 50.0 U
Bis (2-Chloroethyl) ether, ug/L	10.0	< 50.0 U
Bis (2-Chloroisopropyl) ether, ug/L	10.0	< 50.0 U
Bis (2-Ethylhexyl) phthalate, ug/L	10.0	< 50.0 U
4-Bromophenyl-phenylether, ug/L	10.0	< 50.0 U
Butylbenzylphthalate, ug/L	10.0	< 50.0 U
4-Chloroaniline, ug/L	10.0	< 50.0 U
4-Chloro-3-methylphenol, ug/L	10.0	< 50.0 U
2-Chloronaphthalene, ug/L	10.0	< 50.0 U
2-Chlorophenol, ug/L	10.0	< 50.0 U
4-Chlorophenyl-phenylether, ug/L	10.0	< 50.0 U
Chrysene, ug/L	10.0	< 50.0 U
Dibenzo (a,h) anthracene, ug/L	10.0	< 50.0 U
Dibenzofuran, ug/L	10.0	< 50.0 U
1,2-Dichlorobenzene, ug/L	10.0	< 50.0 U
1,3-Dichlorobenzene, ug/L	10.0	< 50.0 U
1,4-Dichlorobenzene, ug/L	10.0	< 50.0 U
3,3'-Dichlorobenzidine, ug/L	20.0	< 100.0 U
2,4-Dichlorophenol, ug/L	10.0	< 50.0 U
Diethylphthalate, ug/L	10.0	< 50.0 U
2,4-Dimethylphenol, ug/L	10.0	< 50.0 U
Dimethyl phthalate, ug/L	10.0	< 50.0 U
Di-n-butylphthalate, ug/L	10.0	< 50.0 U
4,6-Dinitro-2-methylphenol, ug/L	50.0	< 250.0 U
2,4-Dinitrophenol, ug/L	50.0	< 250.0 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
2,4-Dinitrotoluene, ug/L	10.0	< 50.0 U
2,6-Dinitrotoluene, ug/L	10.0	< 50.0 U
Di-n-octyl phthalate, ug/L	10.0	< 50.0 U
Fluoranthene, ug/L	10.0	< 50.0 U
Fluorene, ug/L	10.0	< 50.0 U
Hexachlorobenzene, ug/L	10.0	< 50.0 U
Hexachlorobutadiene, ug/L	10.0	< 50.0 U
Hexachlorocyclopentadiene, ug/L	10.0	< 50.0 U
Hexachloroethane, ug/L	10.0	< 50.0 U
Indeno (1,2,3-cd) pyrene, ug/L	10.0	< 50.0 U
Isophorone, ug/L	10.0	< 50.0 U
2-Methylnaphthalene, ug/L	10.0	< 50.0 U
2-Methylphenol, ug/L	10.0	< 50.0 U
4-Methylphenol, ug/L	10.0	< 50.0 U
Naphthalene, ug/L	10.0	< 50.0 U
2-Nitroaniline, ug/L	50.0	< 250.0 U
3-Nitroaniline, ug/L	50.0	< 250.0 U
4-Nitroaniline, ug/L	50.0	< 250.0 U
Nitrobenzene, ug/L	10.0	< 50.0 U
2-Nitrophenol, ug/L	10.0	< 50.0 U
4-Nitrophenol, ug/L	50.0	< 250.0 U
N-Nitroso-di-n-propylamine, ug/L	10.0	< 50.0 U
N-Nitrosodiphenylamine, ug/L	10.0	< 50.0 U
Pentachlorophenol, ug/L	50.0	< 250.0 U
Phenanthrene, ug/L	10.0	< 50.0 U
Phenol, ug/L	10.0	430.0 A
Pyrene, ug/L	10.0	< 50.0 U
1,2,4-Trichlorobenzene, ug/L	10.0	< 50.0 U
2,4,5-Trichlorophenol, ug/L	50.0	< 250.0 U
2,4,6-Trichlorophenol, ug/L	10.0	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-29

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90	06/04/90 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-29

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90	06/04/90 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	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90	06/05/90 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	4.0 J	2.0 J
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90	06/05/90 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	< 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/05/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-31

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/06/90
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	62.0 A
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-31

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/06/90
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	9.0 J
4-Methylphenol, ug/L	10.0	41.0 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 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	190.0 A
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-32

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/06/90
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	3.0 J
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-32

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/06/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33A

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33B

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: PUB

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: PUB

Chemical Compound Class: Semi-Volatile Organic Compounds

Chemical Parameter	CRQL	06/04/90
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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-23

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/05/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/05/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24A

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/04/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/04/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase.2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24B

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/04/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/04/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25A

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/05/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/05/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25B

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/05/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/05/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26A

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/05/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/05/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26B

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/05/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/05/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27A

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/05/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/05/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27B

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/05/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/05/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-29

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/04/90	06/04/90 Replicate
Aldrin, ug/L	0.05	< 0.05 U	< 0.05 U
alpha-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
beta-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
delta-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
gamma-BHC (Lindane), ug/L	0.05	< 0.05 U	< 0.05 U
alpha-Chlordane, ug/L	0.5	< 0.5 U	< 0.5 U
gamma-Chlordane, ug/L	0.5	< 0.5 U	< 0.5 U
4,4'-DDD, ug/L	0.1	< 0.1 U	< 0.1 U
4,4'-DDE, ug/L	0.1	< 0.1 U	< 0.1 U
4,4'-DDT, ug/L	0.1	< 0.1 U	< 0.1 U
Dieldrin, ug/L	0.1	< 0.1 U	< 0.1 U
Endosulfan I, ug/L	0.05	< 0.05 U	< 0.05 U
Endosulfan II, ug/L	0.1	< 0.1 U	< 0.1 U
Endosulfan sulfate, ug/L	0.1	< 0.1 U	< 0.1 U
Endrin, ug/L	0.1	< 0.1 U	< 0.1 U
Endrin ketone, ug/L	0.1	< 0.1 U	< 0.1 U
Heptachlor, ug/L	0.05	< 0.05 U	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/04/90	06/04/90 Replicate
Aroclor-1016, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1221, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1232, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1242, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1248, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1254, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 U	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30A

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/05/90	06/05/90 Replicate
Aldrin, ug/L	0.05	< 0.05 U	< 0.05 U
alpha-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
beta-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
delta-BHC, ug/L	0.05	< 0.05 U	< 0.05 U
gamma-BHC (Lindane), ug/L	0.05	< 0.05 U	< 0.05 U
alpha-Chlordane, ug/L	0.5	< 0.5 U	< 0.5 U
gamma-Chlordane, ug/L	0.5	< 0.5 U	< 0.5 U
4,4'-DDD, ug/L	0.1	< 0.1 U	< 0.1 U
4,4'-DDE, ug/L	0.1	< 0.1 U	< 0.1 U
4,4'-DDT, ug/L	0.1	< 0.1 U	< 0.1 U
Dieldrin, ug/L	0.1	< 0.1 U	< 0.1 U
Endosulfan I, ug/L	0.05	< 0.05 U	< 0.05 U
Endosulfan II, ug/L	0.1	< 0.1 U	< 0.1 U
Endosulfan sulfate, ug/L	0.1	< 0.1 U	< 0.1 U
Endrin, ug/L	0.1	< 0.1 U	< 0.1 U
Endrin ketone, ug/L	0.1	< 0.1 U	< 0.1 U
Heptachlor, ug/L	0.05	< 0.05 U	< 0.05 U
Heptachlor epoxide, ug/L	0.05	< 0.05 U	< 0.05 U
Methoxychlor, ug/L	0.05	< 0.05 U	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/05/90	06/05/90 Replicate
Aroclor-1016, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1221, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1232, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1242, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1248, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1254, ug/L	0.5	< 0.5 U	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 U	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30B

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/05/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/05/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-31

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/06/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/06/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-32

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/06/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/06/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33A

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/04/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/04/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33B

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/04/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/04/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: PUB

Chemical Compound Class: Pesticide Compounds

Chemical Parameter	CRQL	06/04/90
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	0.05	< 0.05 U
Toxaphene, ug/L	1.0	< 1.0 U

Chemical Compound Class: Poly-Chlorinated Biphenyls

Chemical Parameter	CRQL	06/04/90
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	0.5	< 0.5 U
Aroclor-1260, ug/L	0.5	< 0.5 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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/18/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.0535 A (0.0096)
Arsenic, dissolved, mg/L	0.01	0.0078 A (0.003)
Barium, dissolved, mg/L	0.2	0.0078 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0004 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 UJ (0.0017)
Calcium, dissolved, mg/L	5.0	195.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.455 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0095 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0316 U (0.0045)
Iron, dissolved, mg/L	0.1	1.71 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	15.7 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.167 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	0.347 A (0.0107)
Potassium, dissolved, mg/L	5.0	1.2 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	22.3 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	0.0029 A (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0188 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, dissolved, mg/L	0.2	< 0.0647 U (0.0385)
Antimony, dissolved, mg/L	0.06	< 0.0096 U (0.0096)
Arsenic, dissolved, mg/L	0.01	< 0.003 UJ (0.003)
Barium, dissolved, mg/L	0.2	0.0459 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	0.0159 A (0.0017)
Calcium, dissolved, mg/L	5.0	17.3 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0981 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0079 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.852 U (0.0045)
Iron, dissolved, mg/L	0.1	0.52 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	2.52 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.118 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 U (0.1)
Nickel, dissolved, mg/L	0.04	0.0512 A (0.0107)
Potassium, dissolved, mg/L	5.0	< 2.14 U (0.97)
Selenium, dissolved, mg/L	0.005	0.0032 J (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	41.6 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	7.25 A (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, dissolved, mg/L	0.2	0.691 A (0.0385)
Antimony, dissolved, mg/L	0.06	0.0144 A (0.0096)
Arsenic, dissolved, mg/L	0.01	0.0984 A (0.003)
Barium, dissolved, mg/L	0.2	0.0407 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	36.9 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0091 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0022 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0045 UJ (0.0045)
Iron, dissolved, mg/L	0.1	7.41 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	3.78 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.627 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 U (0.1)
Nickel, dissolved, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, dissolved, mg/L	5.0	1.15 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	21.9 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	0.942 A (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/15/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.0508 J (0.0096)
Arsenic, dissolved, mg/L	0.01	0.556 A (0.003)
Barium, dissolved, mg/L	0.2	0.0944 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0034 U (0.0017)
Calcium, dissolved, mg/L	5.0	344.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0498 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0041 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.059 U (0.0045)
Iron, dissolved, mg/L	0.1	< 0.12 U (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	130.0 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.224 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.0107 UJ (0.0107)
Potassium, dissolved, mg/L	5.0	10.4 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 UJ (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	220.0 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	0.0424 A (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0323 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/15/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.045 J (0.0096)
Arsenic, dissolved, mg/L	0.01	0.0252 A (0.003)
Barium, dissolved, mg/L	0.2	0.0193 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	93.9 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0018 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0017 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0045 UJ (0.0045)
Iron, dissolved, mg/L	0.1	1.27 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	9.95 A (0.0301)
Manganese, dissolved, mg/L	0.015	1.49 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.0107 UJ (0.0107)
Potassium, dissolved, mg/L	5.0	5.06 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 UJ (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	19.7 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	< 0.008 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/18/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.0098 A (0.0096)
Arsenic, dissolved, mg/L	0.01	2.3 A (0.003)
Barium, dissolved, mg/L	0.2	0.193 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0007 U (0.0003)
Cadmium, dissolved, mg/L	0.005	0.0061 J (0.0017)
Calcium, dissolved, mg/L	5.0	17.8 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.252 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0073 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0555 U (0.0045)
Iron, dissolved, mg/L	0.1	1.29 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	231.0 A (0.0301)
Manganese, dissolved, mg/L	0.015	< 0.0184 U (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	0.0877 A (0.0107)
Potassium, dissolved, mg/L	5.0	75.9 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 UJ (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	162.0 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, dissolved, mg/L	0.05	0.145 A (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0311 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.0305 A (0.0096)
Arsenic, dissolved, mg/L	0.01	0.164 A (0.003)
Barium, dissolved, mg/L	0.2	0.0317 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	0.0033 A (0.0017)
Calcium, dissolved, mg/L	5.0	108.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0213 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0044 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.188 U (0.0045)
Iron, dissolved, mg/L	0.1	< 0.149 U (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	68.3 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.186 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 U (0.1)
Nickel, dissolved, mg/L	0.04	0.0173 A (0.0107)
Potassium, dissolved, mg/L	5.0	11.5 A (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	197.0 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, dissolved, mg/L	0.05	0.126 A (0.002)
Zinc, dissolved, mg/L	0.02	< 0.037 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.0231 A (0.0096)
Arsenic, dissolved, mg/L	0.01	< 0.003 U (0.003)
Barium, dissolved, mg/L	0.2	0.0174 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	0.0267 A (0.0017)
Calcium, dissolved, mg/L	5.0	78.8 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0201 J (0.0017)
Cobalt, dissolved, mg/L	0.05	0.0131 A (0.0017)
Copper, dissolved, mg/L	0.025	< 0.137 U (0.0045)
Iron, dissolved, mg/L	0.1	0.96 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	7.49 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.526 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 U (0.1)
Nickel, dissolved, mg/L	0.04	0.0166 A (0.0107)
Potassium, dissolved, mg/L	5.0	3.19 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	75.5 A (0.0116)
Thallium, dissolved, mg/L	0.01	0.0027 J (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	7.3 A (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.031 A (0.0096)
Arsenic, dissolved, mg/L	0.01	< 0.003 U (0.003)
Barium, dissolved, mg/L	0.2	0.0246 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0073 U (0.0017)
Calcium, dissolved, mg/L	5.0	80.9 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0148 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0069 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0268 U (0.0045)
Iron, dissolved, mg/L	0.1	< 0.185 U (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	4.83 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.151 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 U (0.1)
Nickel, dissolved, mg/L	0.04	0.0114 A (0.0107)
Potassium, dissolved, mg/L	5.0	2.56 J (0.97)
Selenium, dissolved, mg/L	0.005	0.0058 J (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	28.3 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	2.15 A (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	< 0.0096 U (0.0096)
Arsenic, dissolved, mg/L	0.01	< 0.003 U (0.003)
Barium, dissolved, mg/L	0.2	< 0.0032 U (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	3.15 A (0.0327)
Chromium, dissolved, mg/L	0.01	< 0.0017 UJ (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0017 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0045 UJ (0.0045)
Iron, dissolved, mg/L	0.1	< 0.0115 U (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	0.666 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.138 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 U (0.1)
Nickel, dissolved, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, dissolved, mg/L	5.0	1.89 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	6.8 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0615 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, dissolved, mg/L	0.2	0.0597 A (0.0385)
Antimony, dissolved, mg/L	0.06	0.0112 A (0.0096)
Arsenic, dissolved, mg/L	0.01	0.0354 A (0.003)
Barium, dissolved, mg/L	0.2	0.0153 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	20.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0219 J (0.0017)
Cobalt, dissolved, mg/L	0.05	0.0261 A (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0045 UJ (0.0045)
Iron, dissolved, mg/L	0.1	1.91 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	3.38 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.897 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 U (0.1)
Nickel, dissolved, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, dissolved, mg/L	5.0	3.48 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	24.1 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	0.12 A (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/18/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.0187 A (0.0096)
Arsenic, dissolved, mg/L	0.01	< 0.003 UJ (0.003)
Barium, dissolved, mg/L	0.2	0.0212 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 UJ (0.0017)
Calcium, dissolved, mg/L	5.0	54.4 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0098 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0037 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0411 U (0.0045)
Iron, dissolved, mg/L	0.1	< 0.0753 U (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	5.78 A (0.0301)
Manganese, dissolved, mg/L	0.015	1.22 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, dissolved, mg/L	5.0	2.35 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	13.7 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0251 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/17/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.0618 A (0.0096)
Arsenic, dissolved, mg/L	0.01	< 0.003 U (0.003)
Barium, dissolved, mg/L	0.2	0.0886 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	305.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0186 J (0.0017)
Cobalt, dissolved, mg/L	0.05	0.019 A (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0357 U (0.0045)
Iron, dissolved, mg/L	0.1	0.336 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.002 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	62.5 A (0.0301)
Manganese, dissolved, mg/L	0.015	2.54 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	0.042 A (0.0107)
Potassium, dissolved, mg/L	5.0	15.2 A (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	22.0 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0611 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-23

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, dissolved, mg/L	0.2	0.242 J (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	0.0797 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	19.3 J (0.02)
Chromium, dissolved, mg/L	0.01	0.0098 J (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)
Copper, dissolved, mg/L	0.025	0.0075 J (0.006)
Iron, dissolved, mg/L	0.1	0.0186 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	13.1 A (0.037)
Manganese, dissolved, mg/L	0.015	0.297 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	15.3 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	102.0 J (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0648 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/04/90	10/16/90
Aluminum, dissolved, mg/L	0.2	0.263 J (0.027)	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	0.0186 A (0.0096)
Arsenic, dissolved, mg/L	0.01	< 0.002 U (0.002)	< 0.003 U (0.003)
Barium, dissolved, mg/L	0.2	0.0343 J (0.002)	0.0116 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	46.9 J (0.02)	41.3 A (0.0327)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	0.0679 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.0023 U (0.0017)
Copper, dissolved, mg/L	0.025	0.0076 J (0.006)	< 0.0045 UJ (0.0045)
Iron, dissolved, mg/L	0.1	0.0148 J (0.003)	< 0.263 U (0.0114)
Lead, dissolved, mg/L	0.003	< 0.002 U (0.002)	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	9.41 J (0.037)	7.75 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.0604 J (0.001)	0.0327 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.1 U (0.1)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	0.0265 A (0.0107)
Potassium, dissolved, mg/L	5.0	1.93 J (0.9)	< 0.97 UJ (0.97)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.003 U (0.003)	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	21.3 J (0.038)	22.6 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	0.0509 J (0.008)	< 0.0174 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24B

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/04/90	10/16/90
Aluminum, dissolved, mg/L	0.2	0.277 J (0.027)	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	< 0.0096 U (0.0096)
Arsenic, dissolved, mg/L	0.01	0.0029 J (0.002)	< 0.003 U (0.003)
Barium, dissolved, mg/L	0.2	0.0482 J (0.002)	0.025 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	22.4 J (0.02)	24.5 A (0.0327)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	0.023 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.0073 U (0.0017)
Copper, dissolved, mg/L	0.025	0.0103 J (0.006)	< 0.0045 UJ (0.0045)
Iron, dissolved, mg/L	0.1	1.22 J (0.003)	1.5 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.002 U (0.002)	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	4.8 J (0.037)	5.54 A (0.0301)
Manganese, dissolved, mg/L	0.015	1.2 J (0.001)	1.28 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.1 U (0.1)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	< 0.0107 U (0.0107)
Potassium, dissolved, mg/L	5.0	5.18 A (0.9)	3.4 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	0.0031 J (0.003)	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	61.9 J (0.038)	71.6 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	< 0.002 UJ (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	0.0409 J (0.008)	< 0.0176 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, dissolved, mg/L	0.2	0.0509 J (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	0.0858 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	4.04 J (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	< 0.006 U (0.006)
Iron, dissolved, mg/L	0.1	0.0888 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	0.467 J (0.037)
Manganese, dissolved, mg/L	0.015	0.0512 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	< 0.9 U (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	13.5 J (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0259 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25B

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, dissolved, mg/L	0.2	0.28 J (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	0.106 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	33.3 J (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	0.0099 J (0.006)
Iron, dissolved, mg/L	0.1	0.0644 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	4.92 J (0.037)
Manganese, dissolved, mg/L	0.015	0.796 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	15.1 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	40.3 A (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0401 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, dissolved, mg/L	0.2	0.138 J (0.027)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)
Arsenic, dissolved, mg/L	0.01	0.0171 A (0.002)
Barium, dissolved, mg/L	0.2	0.114 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	29.2 J (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	0.0121 J (0.006)
Iron, dissolved, mg/L	0.1	5.27 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	7.2 J (0.037)
Manganese, dissolved, mg/L	0.015	1.07 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	3.45 J (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	12.3 J (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0505 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26B

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, dissolved, mg/L	0.2	0.0492 J (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	0.105 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	41.0 J (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	< 0.006 U (0.006)
Iron, dissolved, mg/L	0.1	0.19 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	11.1 J (0.037)
Manganese, dissolved, mg/L	0.015	0.37 A (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	3.26 J (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	39.5 J (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0648 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, dissolved, mg/L	0.2	0.199 J (0.027)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)
Arsenic, dissolved, mg/L	0.01	0.0022 J (0.002)
Barium, dissolved, mg/L	0.2	0.0865 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	203.0 J (0.02)
Chromium, dissolved, mg/L	0.01	0.0117 A (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)
Copper, dissolved, mg/L	0.025	0.0093 J (0.006)
Iron, dissolved, mg/L	0.1	0.0219 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	13.8 A (0.037)
Manganese, dissolved, mg/L	0.015	0.304 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	16.2 A (0.9)
Selenium, dissolved, mg/L	0.005	0.0141 J (0.002)
Silver, dissolved, mg/L	0.01	< 0.003 U (0.003)
Sodium, dissolved, mg/L	5.0	109.0 J (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0616 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27B

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, dissolved, mg/L	0.2	0.178 J (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	0.0527 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	28.1 J (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	< 0.006 U (0.006)
Iron, dissolved, mg/L	0.1	3.55 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	4.23 J (0.037)
Manganese, dissolved, mg/L	0.015	0.269 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	3.9 J (0.9)
Selenium, dissolved, mg/L	0.005	< 0.002 UJ (0.002)
Silver, dissolved, mg/L	0.01	< 0.003 U (0.003)
Sodium, dissolved, mg/L	5.0	30.9 J (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0314 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/17/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	< 0.0096 U (0.0096)
Arsenic, dissolved, mg/L	0.01	< 0.003 U (0.003)
Barium, dissolved, mg/L	0.2	0.014 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	7.65 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0186 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0053 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0172 U (0.0045)
Iron, dissolved, mg/L	0.1	< 0.0942 U (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	0.95 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.0624 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	0.0122 A (0.0107)
Potassium, dissolved, mg/L	5.0	3.05 A (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	6.12 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0164 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-29

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/04/90	06/04/90 Replicate
Aluminum, dissolved, mg/L	0.2	0.149 J (0.027)	0.156 J (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	0.132 J (0.002)	0.118 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	76.1 J (0.02)	76.4 J (0.02)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.007)
Copper, dissolved, mg/L	0.025	0.0099 J (0.006)	< 0.006 U (0.006)
Iron, dissolved, mg/L	0.1	0.0215 J (0.003)	0.0846 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	10.1 J (0.037)	10.0 J (0.037)
Manganese, dissolved, mg/L	0.015	0.547 J (0.001)	0.554 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	< 0.012 U (0.012)	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	5.8 A (0.9)	5.54 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	< 0.003 U (0.003)	< 0.003 U (0.003)
Sodium, dissolved, mg/L	5.0	252.0 J (0.038)	250.0 J (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0729 J (0.008)	0.0376 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/05/90	06/05/90 Replicate	10/17/90
Aluminum, dissolved, mg/L	0.2	0.164 J (0.027)	0.239 J (0.027)	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	< 0.037 U (0.037)	< 0.0096 U (0.0096)
Arsenic, dissolved, mg/L	0.01	0.047 A (0.002)	0.0414 J (0.002)	0.0273 A (0.003)
Barium, dissolved, mg/L	0.2	0.069 J (0.002)	0.0807 J (0.002)	0.0506 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)	< 0.005 U (0.005)	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	64.5 J (0.02)	60.9 J (0.02)	45.9 A (0.0327)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)	< 0.0017 UJ (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.007)	< 0.0059 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	< 0.006 U (0.006)	< 0.0045 UJ (0.0045)
Iron, dissolved, mg/L	0.1	15.6 J (0.003)	14.7 J (0.003)	14.8 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.002 U (0.002)	< 0.002 U (0.002)	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	5.71 A (0.037)	5.31 A (0.037)	3.35 A (0.0301)
Manganese, dissolved, mg/L	0.015	2.4 J (0.001)	2.33 J (0.001)	1.8 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.2 U (0.2)	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	< 0.012 U (0.012)	< 0.0107 U (0.0107)
Potassium, dissolved, mg/L	5.0	8.06 J (0.9)	7.51 A (0.9)	6.28 A (0.97)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	30.5 A (0.038)	28.6 J (0.038)	18.5 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	< 0.004 U (0.004)	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)	< 0.006 U (0.006)	0.0024 A (0.002)
Zinc, dissolved, mg/L	0.02	0.1 J (0.008)	0.128 J (0.008)	0.107 A (0.0019)

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 2. Summary of PDI Phase 1 and Phase-2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30B

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/05/90	10/17/90
Aluminum, dissolved, mg/L	0.2	0.34 J (0.027)	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)	0.0119 A (0.0096)
Arsenic, dissolved, mg/L	0.01	0.0164 A (0.002)	0.0109 A (0.003)
Barium, dissolved, mg/L	0.2	0.0929 J (0.002)	0.0197 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	48.6 J (0.02)	47.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	< 0.003 U (0.003)	0.0225 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.0029 U (0.0017)
Copper, dissolved, mg/L	0.025	0.0088 J (0.006)	< 0.0095 U (0.0045)
Iron, dissolved, mg/L	0.1	0.679 J (0.003)	< 0.235 U (0.0114)
Lead, dissolved, mg/L	0.003	< 0.002 U (0.002)	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	8.33 A (0.037)	8.06 A (0.0301)
Manganese, dissolved, mg/L	0.015	1.47 J (0.001)	1.41 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	0.0152 A (0.0107)
Potassium, dissolved, mg/L	5.0	5.74 A (0.9)	< 4.89 U (0.97)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.003 U (0.003)	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	39.2 J (0.038)	34.0 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	0.0582 J (0.008)	< 0.0151 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-31

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/06/90	10/18/90
Aluminum, dissolved, mg/L	0.2	0.147 J (0.027)	0.121 A (0.0385)
Antimony, dissolved, mg/L	0.06	0.0584 J (0.037)	0.0669 A (0.0096)
Arsenic, dissolved, mg/L	0.01	0.518 A (0.002)	0.63 A (0.003)
Barium, dissolved, mg/L	0.2	0.231 J (0.002)	0.229 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)	< 0.0017 UJ (0.0017)
Calcium, dissolved, mg/L	5.0	305.0 J (0.02)	299.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.028 A (0.003)	0.0371 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.0047 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	< 0.0045 UJ (0.0045)
Iron, dissolved, mg/L	0.1	0.397 J (0.003)	1.23 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.002 U (0.002)	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	141.0 J (0.037)	153.0 A (0.0301)
Manganese, dissolved, mg/L	0.015	4.98 J (0.001)	4.8 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	< 0.0107 U (0.0107)
Potassium, dissolved, mg/L	5.0	37.5 J (0.9)	41.7 J (0.97)
Selenium, dissolved, mg/L	0.005	0.0031 J (0.002)	0.0035 J (0.003)
Silver, dissolved, mg/L	0.01	< 0.003 U (0.003)	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	94.0 J (0.038)	104.0 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	< 0.002 UJ (0.002)
Vanadium, dissolved, mg/L	0.05	0.0256 J (0.006)	0.0295 A (0.002)
Zinc, dissolved, mg/L	0.02	0.0272 J (0.008)	< 0.0098 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-32

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/06/90	10/17/90
Aluminum, dissolved, mg/L	0.2	0.0425 J (0.027)	0.107 A (0.0385)
Antimony, dissolved, mg/L	0.06	0.0451 J (0.037)	0.0551 A (0.0096)
Arsenic, dissolved, mg/L	0.01	0.023 A (0.002)	0.0218 A (0.003)
Barium, dissolved, mg/L	0.2	0.206 J (0.002)	0.164 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.005 U (0.005)	0.0027 A (0.0017)
Calcium, dissolved, mg/L	5.0	249.0 J (0.02)	217.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.01 A (0.003)	0.0511 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.007 U (0.007)	< 0.0068 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.006 U (0.006)	< 0.161 U (0.0045)
Iron, dissolved, mg/L	0.1	5.0 J (0.003)	4.89 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.002 U (0.002)	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	46.8 A (0.037)	40.2 A (0.0301)
Manganese, dissolved, mg/L	0.015	8.13 J (0.001)	6.9 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)	0.0263 A (0.0107)
Potassium, dissolved, mg/L	5.0	10.5 J (0.9)	9.32 A (0.97)
Selenium, dissolved, mg/L	0.005	< 0.002 U (0.002)	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.003 UJ (0.003)	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	21.3 J (0.038)	20.6 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)	0.0027 A (0.002)
Zinc, dissolved, mg/L	0.02	0.0264 J (0.008)	< 0.0479 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33A

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/04/90
Aluminum, dissolved, mg/L	0.2	0.298 J (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	0.054 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	8.83 J (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	0.0101 J (0.006)
Iron, dissolved, mg/L	0.1	0.0484 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	1.16 J (0.037)
Manganese, dissolved, mg/L	0.015	0.636 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	0.935 J (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	13.4 J (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0547 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33B

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/04/90
Aluminum, dissolved, mg/L	0.2	0.437 J (0.027)
Antimony, dissolved, mg/L	0.06	< 0.037 U (0.037)
Arsenic, dissolved, mg/L	0.01	0.0031 J (0.002)
Barium, dissolved, mg/L	0.2	0.0518 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	26.5 J (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	0.0084 J (0.006)
Iron, dissolved, mg/L	0.1	1.21 J (0.003)
Lead, dissolved, mg/L	0.005	< 0.002 U (0.002)
Magnesium, dissolved, mg/L	5.0	6.51 A (0.037)
Manganese, dissolved, mg/L	0.015	1.15 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	4.02 J (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	45.3 J (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0682 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-36

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/18/90
Aluminum, dissolved, mg/L	0.2	0.0818 A (0.0385)
Antimony, dissolved, mg/L	0.06	< 0.0096 U (0.0096)
Arsenic, dissolved, mg/L	0.01	0.256 A (0.003)
Barium, dissolved, mg/L	0.2	< 0.0019 U (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0007 U (0.0003)
Cadmium, dissolved, mg/L	0.005	0.0027 J (0.0017)
Calcium, dissolved, mg/L	5.0	12.2 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.121 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0029 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.164 U (0.0045)
Iron, dissolved, mg/L	0.1	0.671 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	2.93 A (0.0301)
Manganese, dissolved, mg/L	0.015	< 0.0255 U (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	0.0887 A (0.0107)
Potassium, dissolved, mg/L	5.0	< 0.97 UJ (0.97)
Selenium, dissolved, mg/L	0.005	0.0036 J (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	320.0 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, dissolved, mg/L	0.05	0.318 A (0.002)
Zinc, dissolved, mg/L	0.02	< 0.042 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-37

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/18/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.0187 A (0.0096)
Arsenic, dissolved, mg/L	0.01	0.343 A (0.003)
Barium, dissolved, mg/L	0.2	0.0245 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 UJ (0.0017)
Calcium, dissolved, mg/L	5.0	49.7 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.449 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0091 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0927 U (0.0045)
Iron, dissolved, mg/L	0.1	2.1 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	6.31 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.538 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	0.32 A (0.0107)
Potassium, dissolved, mg/L	5.0	2.8 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	29.3 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)
Vanadium, dissolved, mg/L	0.05	0.003 A (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0267 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-38

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/17/90	10/17/90 Replicate
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.0459 A (0.0096)	0.0509 A (0.0096)
Arsenic, dissolved, mg/L	0.01	0.12 A (0.003)	0.132 A (0.003)
Barium, dissolved, mg/L	0.2	0.0117 A (0.0006)	0.012 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 U (0.0017)	0.0018 A (0.0017)
Calcium, dissolved, mg/L	5.0	126.7 A (0.0327)	133.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0156 J (0.0017)	0.042 J (0.0017)
Cobalt, dissolved, mg/L	0.05	0.0269 A (0.0017)	0.0291 A (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0416 U (0.0045)	< 0.0732 U (0.0045)
Iron, dissolved, mg/L	0.1	0.632 A (0.0114)	0.724 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	5.01 A (0.0301)	5.21 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.41 A (0.0005)	0.43 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	0.0717 A (0.0107)	0.0863 A (0.0107)
Potassium, dissolved, mg/L	5.0	6.9 A (0.97)	7.67 A (0.97)
Selenium, dissolved, mg/L	0.005	0.003 J (0.003)	0.0053 J (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	28.1 A (0.0116)	28.7 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)	0.0042 A (0.002)
Vanadium, dissolved, mg/L	0.05	0.0098 A (0.002)	0.0101 A (0.002)
Zinc, dissolved, mg/L	0.02	0.275 A (0.0019)	0.291 A (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-39

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/15/90	10/15/90 Replicate
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.035 J (0.0096)	0.0137 J (0.0096)
Arsenic, dissolved, mg/L	0.01	0.0293 A (0.003)	0.0303 A (0.003)
Barium, dissolved, mg/L	0.2	0.0146 A (0.0006)	0.022 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 U (0.0017)	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	55.3 A (0.0327)	68.7 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0235 J (0.0017)	0.027 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.008 U (0.0017)	< 0.0104 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0045 UJ (0.0045)	< 0.0045 UJ (0.0045)
Iron, dissolved, mg/L	0.1	7.47 A (0.0114)	9.25 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	18.3 A (0.0301)	22.7 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.471 A (0.0005)	0.596 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.0107 UJ (0.0107)	< 0.0107 UJ (0.0107)
Potassium, dissolved, mg/L	5.0	6.8 J (0.97)	8.12 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)	< 0.003 UJ (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	34.8 A (0.0116)	43.4 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 U (0.002)	< 0.002 UJ (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0146 U (0.0019)	< 0.0113 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-40

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/15/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.122 J (0.0096)
Arsenic, dissolved, mg/L	0.01	< 0.003 U (0.003)
Barium, dissolved, mg/L	0.2	0.0319 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	662.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0027 J (0.0017)
Cobalt, dissolved, mg/L	0.05	0.0259 A (0.0017)
Copper, dissolved, mg/L	0.025	< 0.124 U (0.0045)
Iron, dissolved, mg/L	0.1	< 0.0375 U (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	7.53 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.0758 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.0107 UJ (0.0107)
Potassium, dissolved, mg/L	5.0	3.73 J (0.97)
Selenium, dissolved, mg/L	0.005	0.0634 A (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	11.8 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	0.132 A (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-41

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/15/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	0.066 J (0.0096)
Arsenic, dissolved, mg/L	0.01	0.0344 A (0.003)
Barium, dissolved, mg/L	0.2	0.0495 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, dissolved, mg/L	5.0	166.0 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0234 J (0.0017)
Cobalt, dissolved, mg/L	0.05	< 0.0054 U (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0075 U (0.0045)
Iron, dissolved, mg/L	0.1	0.822 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	19.0 A (0.0301)
Manganese, dissolved, mg/L	0.015	0.71 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.0107 UJ (0.0107)
Potassium, dissolved, mg/L	5.0	1.41 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 U (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	< 58.3 U (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, dissolved, mg/L	0.05	< 0.002 U (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0125 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-42

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	10/15/90
Aluminum, dissolved, mg/L	0.2	< 0.0385 U (0.0385)
Antimony, dissolved, mg/L	0.06	< 0.0096 UJ (0.0096)
Arsenic, dissolved, mg/L	0.01	0.5 A (0.003)
Barium, dissolved, mg/L	0.2	0.193 A (0.0006)
Beryllium, dissolved, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, dissolved, mg/L	0.005	< 0.003 U (0.0017)
Calcium, dissolved, mg/L	5.0	45.4 A (0.0327)
Chromium, dissolved, mg/L	0.01	0.0042 J (0.0017)
Cobalt, dissolved, mg/L	0.05	0.0263 A (0.0017)
Copper, dissolved, mg/L	0.025	< 0.0063 U (0.0045)
Iron, dissolved, mg/L	0.1	24.5 A (0.0114)
Lead, dissolved, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, dissolved, mg/L	5.0	31.0 A (0.0301)
Manganese, dissolved, mg/L	0.015	1.73 A (0.0005)
Mercury, dissolved, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, dissolved, mg/L	0.04	< 0.0107 UJ (0.0107)
Potassium, dissolved, mg/L	5.0	13.8 J (0.97)
Selenium, dissolved, mg/L	0.005	< 0.003 UJ (0.003)
Silver, dissolved, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, dissolved, mg/L	5.0	38.3 A (0.0116)
Thallium, dissolved, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, dissolved, mg/L	0.05	0.0045 A (0.002)
Zinc, dissolved, mg/L	0.02	< 0.0185 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: PU8

Chemical Compound Class: Dissolved Metals

Chemical Parameter	CRDL	06/04/90
Aluminum, dissolved, mg/L	0.2	0.158 J (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	0.236 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	13.7 J (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	0.0184 J (0.006)
Iron, dissolved, mg/L	0.1	0.114 J (0.003)
Lead, dissolved, mg/L	0.005	0.0022 J (0.002)
Magnesium, dissolved, mg/L	5.0	2.07 J (0.037)
Manganese, dissolved, mg/L	0.015	0.0105 J (0.001)
Mercury, dissolved, ug/L	0.2	< 0.2 U (0.2)
Nickel, dissolved, mg/L	0.04	< 0.012 U (0.012)
Potassium, dissolved, mg/L	5.0	0.9 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	37.3 J (0.038)
Thallium, dissolved, mg/L	0.01	< 0.004 U (0.004)
Vanadium, dissolved, mg/L	0.05	< 0.006 U (0.006)
Zinc, dissolved, mg/L	0.02	0.0465 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/18/90
Aluminum, total, mg/L	0.2	0.0988 J (0.0385)
Antimony, total, mg/L	0.06	0.05 A (0.0096)
Arsenic, total, mg/L	0.01	0.0367 A (0.003)
Barium, total, mg/L	0.2	< 0.0064 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	197.0 A (0.0327)
Chromium, total, mg/L	0.01	0.428 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.009 U (0.0017)
Copper, total, mg/L	0.025	< 0.0275 U (0.0045)
Iron, total, mg/L	0.1	5.97 J (0.0114)
Lead, total, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, total, mg/L	5.0	16.2 A (0.0301)
Manganese, total, mg/L	0.015	0.222 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	0.322 J (0.0107)
Potassium, total, mg/L	5.0	< 0.97 UJ (0.97)
Selenium, total, mg/L	0.005	0.03 J (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	20.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	0.0043 A (0.002)
Zinc, total, mg/L	0.02	< 0.0068 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-10

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, total, mg/L	0.2	3.92 J (0.0385)
Antimony, total, mg/L	0.06	0.0173 A (0.0096)
Arsenic, total, mg/L	0.01	0.0316 A (0.003)
Barium, total, mg/L	0.2	0.0414 A (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	0.0201 A (0.0017)
Calcium, total, mg/L	5.0	17.3 A (0.0327)
Chromium, total, mg/L	0.01	0.0766 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.0085 U (0.0017)
Copper, total, mg/L	0.025	1.35 J (0.0045)
Iron, total, mg/L	0.1	1.98 J (0.0114)
Lead, total, mg/L	0.003	< 0.0012 U (0.001)
Magnesium, total, mg/L	5.0	2.83 A (0.0301)
Manganese, total, mg/L	0.015	0.146 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 U (0.1)
Nickel, total, mg/L	0.04	0.0382 J (0.0107)
Potassium, total, mg/L	5.0	< 0.97 UJ (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	39.2 A (0.0116)
Thallium, total, mg/L	0.01	0.0024 J (0.002)
Vanadium, total, mg/L	0.05	0.003 A (0.002)
Zinc, total, mg/L	0.02	9.47 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-11

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, total, mg/L	0.2	0.958 J (0.0385)
Antimony, total, mg/L	0.06	0.0151 A (0.0096)
Arsenic, total, mg/L	0.01	0.15 A (0.003)
Barium, total, mg/L	0.2	0.0434 A (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.004 U (0.0017)
Calcium, total, mg/L	5.0	36.0 A (0.0327)
Chromium, total, mg/L	0.01	0.0089 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.0028 U (0.0017)
Copper, total, mg/L	0.025	< 0.0054 U (0.0045)
Iron, total, mg/L	0.1	10.1 J (0.0114)
Lead, total, mg/L	0.003	< 0.0042 U (0.001)
Magnesium, total, mg/L	5.0	3.66 A (0.0301)
Manganese, total, mg/L	0.015	0.617 A (0.0005)
Mercury, total, ug/L	0.2	< 0.1 U (0.1)
Nickel, total, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	< 0.97 UJ (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	18.2 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	< 0.002 U (0.002)
Zinc, total, mg/L	0.02	1.06 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase.2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/15/90
Aluminum, total, mg/L	0.2	0.0516 J (0.0385)
Antimony, total, mg/L	0.06	0.0547 J (0.0096)
Arsenic, total, mg/L	0.01	0.507 A (0.003)
Barium, total, mg/L	0.2	0.105 A (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.0023 U (0.0017)
Calcium, total, mg/L	5.0	363.0 A (0.0327)
Chromium, total, mg/L	0.01	0.0522 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.0033 U (0.0017)
Copper, total, mg/L	0.025	< 0.026 U (0.0045)
Iron, total, mg/L	0.1	4.47 J (0.0114)
Lead, total, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, total, mg/L	5.0	128.0 A (0.0301)
Manganese, total, mg/L	0.015	0.259 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	0.0182 J (0.0107)
Potassium, total, mg/L	5.0	10.9 J (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	215.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	0.0433 A (0.002)
Zinc, total, mg/L	0.02	< 0.0199 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-13

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/15/90
Aluminum, total, mg/L	0.2	0.0459 J (0.0385)
Antimony, total, mg/L	0.06	0.0341 J (0.0096)
Arsenic, total, mg/L	0.01	0.0358 A (0.003)
Barium, total, mg/L	0.2	< 0.0252 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.0058 U (0.0017)
Calcium, total, mg/L	5.0	81.7 A (0.0327)
Chromium, total, mg/L	0.01	0.0094 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.0027 U (0.0017)
Copper, total, mg/L	0.025	< 0.0045 UJ (0.0045)
Iron, total, mg/L	0.1	4.32 J (0.0114)
Lead, total, mg/L	0.003	< 0.0016 U (0.001)
Magnesium, total, mg/L	5.0	8.66 A (0.0301)
Manganese, total, mg/L	0.015	1.36 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	< 0.0107 UJ (0.0107)
Potassium, total, mg/L	5.0	2.84 J (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	14.1 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, total, mg/L	0.05	0.0037 A (0.002)
Zinc, total, mg/L	0.02	0.163 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-16

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/18/90
Aluminum, total, mg/L	0.2	0.159 J (0.0385)
Antimony, total, mg/L	0.06	< 0.0096 U (0.0096)
Arsenic, total, mg/L	0.01	1.87 A (0.003)
Barium, total, mg/L	0.2	0.299 A (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	0.0127 A (0.0017)
Calcium, total, mg/L	5.0	16.6 A (0.0327)
Chromium, total, mg/L	0.01	0.307 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.0091 U (0.0017)
Copper, total, mg/L	0.025	< 0.0481 U (0.0045)
Iron, total, mg/L	0.1	4.84 J (0.0114)
Lead, total, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, total, mg/L	5.0	224.0 A (0.0301)
Manganese, total, mg/L	0.015	0.0183 J (0.0005)
Mercury, total, ug/L	0.2	< 0.2 UJ (0.1)
Nickel, total, mg/L	0.04	0.0157 J (0.0107)
Potassium, total, mg/L	5.0	74.8 J (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	159.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, total, mg/L	0.05	0.143 A (0.002)
Zinc, total, mg/L	0.02	< 0.017 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, total, mg/L	0.2	< 0.284 U (0.0385)
Antimony, total, mg/L	0.06	0.0215 A (0.0096)
Arsenic, total, mg/L	0.01	0.209 A (0.003)
Barium, total, mg/L	0.2	0.0407 A (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	0.0047 A (0.0017)
Calcium, total, mg/L	5.0	100.0 A (0.0327)
Chromium, total, mg/L	0.01	0.0251 J (0.0017)
Cobalt, total, mg/L	0.05	0.0265 A (0.0017)
Copper, total, mg/L	0.025	< 0.202 U (0.0045)
Iron, total, mg/L	0.1	8.58 J (0.0114)
Lead, total, mg/L	0.003	< 0.004 U (0.001)
Magnesium, total, mg/L	5.0	61.3 A (0.0301)
Manganese, total, mg/L	0.015	0.214 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 U (0.1)
Nickel, total, mg/L	0.04	0.0222 J (0.0107)
Potassium, total, mg/L	5.0	< 8.4 U (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	153.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, total, mg/L	0.05	0.0169 A (0.002)
Zinc, total, mg/L	0.02	0.143 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, total, mg/L	0.2	0.0964 J (0.0385)
Antimony, total, mg/L	0.06	0.0231 A (0.0096)
Arsenic, total, mg/L	0.01	< 0.003 U (0.003)
Barium, total, mg/L	0.2	< 0.0167 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	0.0265 A (0.0017)
Calcium, total, mg/L	5.0	80.7 A (0.0327)
Chromium, total, mg/L	0.01	0.0163 J (0.0017)
Cobalt, total, mg/L	0.05	0.0141 A (0.0017)
Copper, total, mg/L	0.025	< 0.152 U (0.0045)
Iron, total, mg/L	0.1	1.21 J (0.0114)
Lead, total, mg/L	0.003	< 0.001 UJ (0.001)
Magnesium, total, mg/L	5.0	7.65 A (0.0301)
Manganese, total, mg/L	0.015	0.541 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 U (0.1)
Nickel, total, mg/L	0.04	0.0146 J (0.0107)
Potassium, total, mg/L	5.0	3.13 J (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	74.1 A (0.0116)
Thallium, total, mg/L	0.01	0.0027 J (0.002)
Vanadium, total, mg/L	0.05	< 0.002 U (0.002)
Zinc, total, mg/L	0.02	7.35 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-18A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, total, mg/L	0.2	0.207 J (0.0385)
Antimony, total, mg/L	0.06	0.0274 A (0.0096)
Arsenic, total, mg/L	0.01	< 0.003 U (0.003)
Barium, total, mg/L	0.2	< 0.0234 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.0065 U (0.0017)
Calcium, total, mg/L	5.0	72.7 A (0.0327)
Chromium, total, mg/L	0.01	< 0.0026 U (0.0017)
Cobalt, total, mg/L	0.05	< 0.0046 U (0.0017)
Copper, total, mg/L	0.025	< 0.0422 U (0.0045)
Iron, total, mg/L	0.1	2.99 J (0.0114)
Lead, total, mg/L	0.003	< 0.002 U (0.001)
Magnesium, total, mg/L	5.0	4.18 A (0.0301)
Manganese, total, mg/L	0.015	0.117 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 U (0.1)
Nickel, total, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	2.13 J (0.97)
Selenium, total, mg/L	0.005	0.005 J (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	19.6 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	< 0.002 U (0.002)
Zinc, total, mg/L	0.02	1.8 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, total, mg/L	0.2	0.0489 J (0.0385)
Antimony, total, mg/L	0.06	0.0104 A (0.0096)
Arsenic, total, mg/L	0.01	< 0.003 U (0.003)
Barium, total, mg/L	0.2	< 0.0262 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.003 U (0.0017)
Calcium, total, mg/L	5.0	24.7 A (0.0327)
Chromium, total, mg/L	0.01	< 0.0017 U (0.0017)
Cobalt, total, mg/L	0.05	0.018 A (0.0017)
Copper, total, mg/L	0.025	< 0.0086 U (0.0045)
Iron, total, mg/L	0.1	0.356 J (0.0114)
Lead, total, mg/L	0.003	< 0.0015 U (0.001)
Magnesium, total, mg/L	5.0	5.32 A (0.0301)
Manganese, total, mg/L	0.015	1.18 J (0.0005)
Mercury, total, ug/L	0.2	0.59 A (0.1)
Nickel, total, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	3.23 J (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	52.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	< 0.002 U (0.002)
Zinc, total, mg/L	0.02	0.423 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/16/90
Aluminum, total, mg/L	0.2	0.446 J (0.0385)
Antimony, total, mg/L	0.06	0.0127 A (0.0096)
Arsenic, total, mg/L	0.01	0.0765 A (0.003)
Barium, total, mg/L	0.2	< 0.022 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.0023 U (0.0017)
Calcium, total, mg/L	5.0	20.69 A (0.0327)
Chromium, total, mg/L	0.01	< 0.0053 U (0.0017)
Cobalt, total, mg/L	0.05	0.0304 A (0.0017)
Copper, total, mg/L	0.025	< 0.0045 UJ (0.0045)
Iron, total, mg/L	0.1	5.8 J (0.0114)
Lead, total, mg/L	0.003	< 0.0011 U (0.001)
Magnesium, total, mg/L	5.0	3.68 A (0.0301)
Manganese, total, mg/L	0.015	0.993 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 U (0.1)
Nickel, total, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	3.83 J (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	21.9 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	0.0024 A (0.002)
Zinc, total, mg/L	0.02	0.237 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-21

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/18/90
Aluminum, total, mg/L	0.2	0.0661 J (0.0385)
Antimony, total, mg/L	0.06	0.0173 A (0.0096)
Arsenic, total, mg/L	0.01	< 0.003 U (0.003)
Barium, total, mg/L	0.2	< 0.0254 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	51.2 A (0.0327)
Chromium, total, mg/L	0.01	0.019 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.0049 U (0.0017)
Copper, total, mg/L	0.025	< 0.0384 U (0.0045)
Iron, total, mg/L	0.1	0.912 J (0.0114)
Lead, total, mg/L	0.003	< 0.0013 U (0.001)
Magnesium, total, mg/L	5.0	5.7 A (0.0301)
Manganese, total, mg/L	0.015	1.2 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	< 0.97 UJ (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	10.2 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	< 0.002 U (0.002)
Zinc, total, mg/L	0.02	< 0.0094 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/17/90
Aluminum, total, mg/L	0.2	2.27 J (0.0385)
Antimony, total, mg/L	0.06	0.0517 A (0.0096)
Arsenic, total, mg/L	0.01	< 0.003 U (0.003)
Barium, total, mg/L	0.2	0.0902 A (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	231.0 A (0.0327)
Chromium, total, mg/L	0.01	< 0.0134 U (0.0017)
Cobalt, total, mg/L	0.05	0.0192 A (0.0017)
Copper, total, mg/L	0.025	< 0.198 U (0.0045)
Iron, total, mg/L	0.1	14.5 J (0.0114)
Lead, total, mg/L	0.003	< 0.0014 U (0.001)
Magnesium, total, mg/L	5.0	44.1 A (0.0301)
Manganese, total, mg/L	0.015	1.68 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	0.0472 J (0.0107)
Potassium, total, mg/L	5.0	12.4 A (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	0.0212 J (0.0084)
Sodium, total, mg/L	5.0	16.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	0.0073 A (0.002)
Zinc, total, mg/L	0.02	0.0976 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-23

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, total, mg/L	0.2	4.55 J (0.027)
Antimony, total, mg/L	0.06	0.103 A (0.037)
Arsenic, total, mg/L	0.01	0.009 J (0.002)
Barium, total, mg/L	0.2	0.0728 J (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	310.0 J (0.02)
Chromium, total, mg/L	0.01	0.0428 A (0.003)
Cobalt, total, mg/L	0.05	0.0504 A (0.007)
Copper, total, mg/L	0.025	0.0182 J (0.006)
Iron, total, mg/L	0.1	10.0 J (0.003)
Lead, total, mg/L	0.005	0.018 J (0.002)
Magnesium, total, mg/L	5.0	47.5 A (0.037)
Manganese, total, mg/L	0.015	28.7 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	0.0314 A (0.012)
Potassium, total, mg/L	5.0	11.0 A (0.9)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)
Silver, total, mg/L	0.01	0.0049 J (0.003)
Sodium, total, mg/L	5.0	24.4 J (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	0.0096 A (0.006)
Zinc, total, mg/L	0.02	0.057 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/04/90	10/16/90
Aluminum, total, mg/L	0.2	0.896 J (0.027)	0.227 J (0.0385)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	0.0216 A (0.0096)
Arsenic, total, mg/L	0.01	< 0.002 U (0.002)	< 0.003 U (0.003)
Barium, total, mg/L	0.2	0.0143 J (0.002)	< 0.0125 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	42.2 J (0.02)	45.8 A (0.0327)
Chromium, total, mg/L	0.01	< 0.003 U (0.003)	0.0216 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	< 0.0017 U (0.0017)
Copper, total, mg/L	0.025	< 0.006 U (0.006)	< 0.0045 UJ (0.0045)
Iron, total, mg/L	0.1	1.1 J (0.003)	0.396 J (0.0114)
Lead, total, mg/L	0.003	0.0034 J (0.002)	< 0.001 UJ (0.001)
Magnesium, total, mg/L	5.0	8.65 A (0.037)	8.91 A (0.0301)
Manganese, total, mg/L	0.015	0.0704 J (0.001)	0.0443 J (0.0005)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	< 0.1 U (0.1)
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	1.98 A (0.9)	0.976 J (0.97)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.003 U (0.003)	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	16.8 J (0.038)	19.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)	< 0.002 U (0.002)
Zinc, total, mg/L	0.02	0.0352 J (0.008)	< 0.0323 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-24B

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/04/90	10/16/90
Aluminum, total, mg/L	0.2	1.57 J (0.027)	0.137 J (0.0385)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	< 0.0096 U (0.0096)
Arsenic, total, mg/L	0.01	0.0034 A (0.002)	< 0.003 U (0.003)
Barium, total, mg/L	0.2	0.0298 R (0.002)	< 0.0259 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	20.9 R (0.02)	24.5 A (0.0327)
Chromium, total, mg/L	0.01	0.0039 A (0.003)	0.0135 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.0017)
Copper, total, mg/L	0.025	0.0091 J (0.006)	< 0.005 U (0.0045)
Iron, total, mg/L	0.1	3.22 R (0.003)	2.52 J (0.0114)
Lead, total, mg/L	0.003	0.0031 J (0.002)	< 0.001 UJ (0.001)
Magnesium, total, mg/L	5.0	4.85 A (0.037)	5.56 A (0.0301)
Manganese, total, mg/L	0.015	1.16 R (0.001)	1.28 J (0.0005)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	< 0.1 U (0.1)
Nickel, total, mg/L	0.04	0.016 A (0.012)	0.0107 J (0.0107)
Potassium, total, mg/L	5.0	5.28 A (0.9)	5.8 J (0.97)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.003 U (0.003)	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	56.2 R (0.038)	65.7 A (0.0116)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)	< 0.002 U (0.002)
Zinc, total, mg/L	0.02	0.0283 J (0.008)	< 0.0462 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, total, mg/L	0.2	5.13 J (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.0068 J (0.002)
Barium, total, mg/L	0.2	0.0365 J (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	3.81 J (0.02)
Chromium, total, mg/L	0.01	0.0098 J (0.003)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)
Copper, total, mg/L	0.025	0.0153 J (0.006)
Iron, total, mg/L	0.1	6.08 J (0.003)
Lead, total, mg/L	0.005	0.0052 J (0.002)
Magnesium, total, mg/L	5.0	1.94 J (0.037)
Manganese, total, mg/L	0.015	0.15 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	0.0136 J (0.012)
Potassium, total, mg/L	5.0	2.02 J (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	9.96 J (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	0.0119 J (0.006)
Zinc, total, mg/L	0.02	0.0221 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-25B

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, total, mg/L	0.2	0.468 J (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	0.0109 J (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	25.2 J (0.02)
Chromium, total, mg/L	0.01	0.0034 J (0.003)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)
Copper, total, mg/L	0.025	< 0.006 U (0.006)
Iron, total, mg/L	0.1	1.08 J (0.003)
Lead, total, mg/L	0.005	0.002 A (0.002)
Magnesium, total, mg/L	5.0	3.72 J (0.037)
Manganese, total, mg/L	0.015	0.0721 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.012 U (0.012)
Potassium, total, mg/L	5.0	15.2 J (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	35.3 J (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)
Zinc, total, mg/L	0.02	0.0124 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, total, mg/L	0.2	3.73 J (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.0243 A (0.002)
Barium, total, mg/L	0.2	0.0338 J (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	28.6 J (0.02)
Chromium, total, mg/L	0.01	0.0054 J (0.003)
Cobalt, total, mg/L	0.05	0.0078 J (0.007)
Copper, total, mg/L	0.025	0.0139 J (0.006)
Iron, total, mg/L	0.1	9.82 J (0.003)
Lead, total, mg/L	0.005	0.0043 J (0.002)
Magnesium, total, mg/L	5.0	7.67 A (0.037)
Manganese, total, mg/L	0.015	1.08 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.012 U (0.012)
Potassium, total, mg/L	5.0	3.8 J (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	8.21 J (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	0.0076 J (0.006)
Zinc, total, mg/L	0.02	0.0164 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-26B

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, total, mg/L	0.2	4.7 J (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.0054 J (0.002)
Barium, total, mg/L	0.2	0.049 J (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	39.7 J (0.02)
Chromium, total, mg/L	0.01	0.0044 J (0.003)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)
Copper, total, mg/L	0.025	0.0121 J (0.006)
Iron, total, mg/L	0.1	5.72 J (0.003)
Lead, total, mg/L	0.005	0.0043 J (0.002)
Magnesium, total, mg/L	5.0	12.0 A (0.037)
Manganese, total, mg/L	0.015	0.418 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.012 U (0.012)
Potassium, total, mg/L	5.0	3.84 J (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	32.8 J (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	0.007 J (0.006)
Zinc, total, mg/L	0.02	0.0223 J (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 2. Summary of PDI Phase 1 and Phase-2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, total, mg/L	0.2	29.1 J (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.0404 A (0.002)
Barium, total, mg/L	0.2	0.176 J (0.002)
Beryllium, total, mg/L	0.005	0.0016 J (0.001)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)
Calcium, total, mg/L	5.0	211.0 J (0.02)
Chromium, total, mg/L	0.01	0.0665 A (0.003)
Cobalt, total, mg/L	0.05	0.0161 J (0.007)
Copper, total, mg/L	0.025	0.0699 J (0.006)
Iron, total, mg/L	0.1	31.4 J (0.003)
Lead, total, mg/L	0.005	0.0312 J (0.002)
Magnesium, total, mg/L	5.0	22.4 A (0.037)
Manganese, total, mg/L	0.015	0.678 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	0.038 J (0.012)
Potassium, total, mg/L	5.0	20.6 A (0.9)
Selenium, total, mg/L	0.005	0.0158 J (0.002)
Silver, total, mg/L	0.01	< 0.003 U (0.003)
Sodium, total, mg/L	5.0	104.0 A (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	0.0514 A (0.006)
Zinc, total, mg/L	0.02	0.215 J (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 2. Summary of PDI Phase 1 and Phase-2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-27B

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/05/90
Aluminum, total, mg/L	0.2	2.27 J (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.003 J (0.002)
Barium, total, mg/L	0.2	0.0332 J (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	28.3 J (0.02)
Chromium, total, mg/L	0.01	0.0071 J (0.003)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)
Copper, total, mg/L	0.025	0.0122 J (0.006)
Iron, total, mg/L	0.1	9.1 J (0.003)
Lead, total, mg/L	0.005	0.007 J (0.002)
Magnesium, total, mg/L	5.0	4.79 J (0.037)
Manganese, total, mg/L	0.015	0.302 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.012 U (0.012)
Potassium, total, mg/L	5.0	4.1 A (0.9)
Selenium, total, mg/L	0.005	< 0.002 UJ (0.002)
Silver, total, mg/L	0.01	< 0.003 U (0.003)
Sodium, total, mg/L	5.0	27.4 J (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)
Zinc, total, mg/L	0.02	0.0363 J (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 2. Summary of PDI Phase 1 and Phase-2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/17/90
Aluminum, total, mg/L	0.2	0.462 J (0.0385)
Antimony, total, mg/L	0.06	< 0.0096 U (0.0096)
Arsenic, total, mg/L	0.01	< 0.003 U (0.003)
Barium, total, mg/L	0.2	< 0.0225 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	8.04 A (0.0327)
Chromium, total, mg/L	0.01	< 0.0017 U (0.0017)
Cobalt, total, mg/L	0.05	< 0.0051 U (0.0017)
Copper, total, mg/L	0.025	< 0.0248 U (0.0045)
Iron, total, mg/L	0.1	0.322 J (0.0114)
Lead, total, mg/L	0.003	< 0.0052 U (0.001)
Magnesium, total, mg/L	5.0	1.11 A (0.0301)
Manganese, total, mg/L	0.015	0.0777 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	2.53 A (0.97)
Selenium, total, mg/L	0.005	< 0.003 U (0.003)
Silver, total, mg/L	0.01	< 0.0084 U (0.0084)
Sodium, total, mg/L	5.0	3.47 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, total, mg/L	0.05	< 0.002 U (0.002)
Zinc, total, mg/L	0.02	< 0.0192 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-29

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/04/90	06/04/90 Replicate
Aluminum, total, mg/L	0.2	9.73 J (0.027)	8.39 J (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.03 A (0.002)	0.0232 A (0.002)
Barium, total, mg/L	0.2	0.124 J (0.002)	0.116 J (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	77.2 J (0.02)	76.9 J (0.02)
Chromium, total, mg/L	0.01	0.0184 A (0.003)	0.016 A (0.003)
Cobalt, total, mg/L	0.05	0.0097 J (0.007)	0.0078 J (0.007)
Copper, total, mg/L	0.025	0.0437 J (0.006)	0.0388 J (0.006)
Iron, total, mg/L	0.1	13.5 J (0.003)	12.0 J (0.003)
Lead, total, mg/L	0.005	0.0142 J (0.002)	0.0121 J (0.002)
Magnesium, total, mg/L	5.0	12.8 A (0.037)	12.6 A (0.037)
Manganese, total, mg/L	0.015	0.741 J (0.001)	0.709 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	0.0195 J (0.012)	0.0195 J (0.012)
Potassium, total, mg/L	5.0	6.8 J (0.9)	6.62 A (0.9)
Selenium, total, mg/L	0.005	0.0022 J (0.002)	< 0.002 U (0.002)
Silver, total, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)
Sodium, total, mg/L	5.0	244.0 J (0.038)	245.0 J (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	0.0188 J (0.006)	0.0173 J (0.006)
Zinc, total, mg/L	0.02	0.0491 J (0.008)	0.0474 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-30A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/05/90	06/05/90 Replicate	10/17/90
Aluminum, total, mg/L	0.2	1.9 J (0.027)	1.59 J (0.027)	0.358 J (0.0385)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	< 0.037 U (0.037)	0.0242 A (0.0096)
Arsenic, total, mg/L	0.01	0.0639 A (0.002)	0.0586 A (0.002)	0.036 A (0.003)
Barium, total, mg/L	0.2	0.0525 J (0.002)	0.0484 J (0.002)	0.062 A (0.0006)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	< 0.005 U (0.005)	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	60.8 J (0.02)	60.4 J (0.02)	49.4 A (0.0327)
Chromium, total, mg/L	0.01	0.0037 J (0.003)	< 0.003 UJ (0.003)	< 0.0017 U (0.0017)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	< 0.007 U (0.007)	< 0.0055 U (0.0017)
Copper, total, mg/L	0.025	0.0085 J (0.006)	0.0067 J (0.006)	< 0.0045 UJ (0.0045)
Iron, total, mg/L	0.1	20.0 J (0.003)	19.7 J (0.003)	23.4 J (0.0114)
Lead, total, mg/L	0.003	0.0036 J (0.002)	0.0035 J (0.002)	< 0.0013 U (0.001)
Magnesium, total, mg/L	5.0	5.58 A (0.037)	5.46 A (0.037)	3.62 A (0.0301)
Manganese, total, mg/L	0.015	2.33 J (0.001)	2.32 J (0.001)	1.97 J (0.0005)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	< 0.2 U (0.2)	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	< 0.012 U (0.012)	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	8.16 A (0.9)	7.98 A (0.9)	6.3 A (0.97)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)	< 0.002 U (0.002)	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.003 U (0.003)	< 0.003 U (0.003)	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	25.0 J (0.038)	24.3 J (0.038)	17.3 A (0.0116)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)	< 0.004 U (0.004)	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)	< 0.006 U (0.006)	0.0038 A (0.002)
Zinc, total, mg/L	0.02	0.0951 J (0.008)	0.102 J (0.008)	0.131 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-308

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/05/90	10/17/90
Aluminum, total, mg/L	0.2	0.515 J (0.027)	0.171 J (0.0385)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)	0.0259 A (0.0096)
Arsenic, total, mg/L	0.01	0.0359 A (0.002)	0.0275 A (0.003)
Barium, total, mg/L	0.2	0.0201 J (0.002)	< 0.0191 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	45.4 J (0.02)	48.1 A (0.0327)
Chromium, total, mg/L	0.01	< 0.003 U (0.003)	0.16 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	< 0.0076 U (0.0017)
Copper, total, mg/L	0.025	0.0072 J (0.006)	< 0.0147 U (0.0045)
Iron, total, mg/L	0.1	1.65 J (0.003)	2.05 J (0.0114)
Lead, total, mg/L	0.003	< 0.002 U (0.002)	< 0.0012 U (0.001)
Magnesium, total, mg/L	5.0	7.98 A (0.037)	8.28 A (0.0301)
Manganese, total, mg/L	0.015	1.47 J (0.001)	1.52 J (0.0005)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	0.0834 J (0.0107)
Potassium, total, mg/L	5.0	5.65 A (0.9)	4.8 A (0.97)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.003 U (0.003)	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	32.3 A (0.038)	32.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)	< 0.002 U (0.002)
Zinc, total, mg/L	0.02	0.0174 J (0.008)	< 0.0312 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-31

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/06/90	10/18/90
Aluminum, total, mg/L	0.2	0.479 J (0.027)	0.13 J (0.0385)
Antimony, total, mg/L	0.06	0.0406 J (0.037)	0.0596 A (0.0096)
Arsenic, total, mg/L	0.01	0.449 A (0.002)	0.621 A (0.003)
Barium, total, mg/L	0.2	0.23 J (0.002)	0.235 A (0.0006)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	0.0041 A (0.0017)
Calcium, total, mg/L	5.0	317.0 J (0.02)	286.0 A (0.0327)
Chromium, total, mg/L	0.01	0.033 A (0.003)	0.0353 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	< 0.005 U (0.0017)
Copper, total, mg/L	0.025	0.0109 J (0.006)	< 0.0045 UJ (0.0045)
Iron, total, mg/L	0.1	5.37 J (0.003)	4.99 J (0.0114)
Lead, total, mg/L	0.003	0.0104 J (0.002)	< 0.0012 U (0.001)
Magnesium, total, mg/L	5.0	146.0 A (0.037)	150.0 A (0.0301)
Manganese, total, mg/L	0.015	4.62 J (0.001)	4.79 J (0.0005)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	0.0146 A (0.012)	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	38.8 A (0.9)	41.2 J (0.97)
Selenium, total, mg/L	0.005	0.0021 J (0.002)	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.003 UJ (0.003)	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	93.4 J (0.038)	101.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	0.0304 J (0.006)	0.0295 A (0.002)
Zinc, total, mg/L	0.02	0.0316 J (0.008)	< 0.0077 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-32

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/06/90	10/17/90
Aluminum, total, mg/L	0.2	6.67 J (0.027)	2.1 J (0.0385)
Antimony, total, mg/L	0.06	0.0403 J (0.037)	0.0543 A (0.0096)
Arsenic, total, mg/L	0.01	0.0318 A (0.002)	0.0228 A (0.003)
Barium, total, mg/L	0.2	0.234 J (0.002)	0.204 A (0.0006)
Beryllium, total, mg/L	0.005	< 0.001 U (0.001)	< 0.0004 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.005 U (0.005)	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	239.0 J (0.02)	232.0 A (0.0327)
Chromium, total, mg/L	0.01	0.028 A (0.003)	0.377 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)	< 0.0101 U (0.0017)
Copper, total, mg/L	0.025	0.0271 J (0.006)	< 0.223 U (0.0045)
Iron, total, mg/L	0.1	14.5 J (0.003)	11.2 J (0.0114)
Lead, total, mg/L	0.003	0.009 J (0.002)	< 0.002 U (0.001)
Magnesium, total, mg/L	5.0	46.1 A (0.037)	43.7 A (0.0301)
Manganese, total, mg/L	0.015	7.92 J (0.001)	7.48 J (0.0005)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	< 0.012 U (0.012)	0.203 J (0.0107)
Potassium, total, mg/L	5.0	11.8 A (0.9)	9.98 A (0.97)
Selenium, total, mg/L	0.005	< 0.002 U (0.002)	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.003 UJ (0.003)	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	17.6 J (0.038)	17.7 A (0.0116)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	0.0179 J (0.006)	0.0129 A (0.002)
Zinc, total, mg/L	0.02	0.0547 J (0.008)	< 0.0684 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33A

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/04/90
Aluminum, total, mg/L	0.2	1.19 J (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.0042 J (0.002)
Barium, total, mg/L	0.2	0.0181 J (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	7.81 J (0.02)
Chromium, total, mg/L	0.01	0.0036 J (0.003)
Cobalt, total, mg/L	0.05	< 0.007 U (0.007)
Copper, total, mg/L	0.025	0.01 J (0.006)
Iron, total, mg/L	0.1	1.27 J (0.003)
Lead, total, mg/L	0.005	0.0031 J (0.002)
Magnesium, total, mg/L	5.0	1.16 J (0.037)
Manganese, total, mg/L	0.015	0.666 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.012 U (0.012)
Potassium, total, mg/L	5.0	0.923 J (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	9.77 J (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)
Zinc, total, mg/L	0.02	0.0293 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-33B

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/04/90
Aluminum, total, mg/L	0.2	3.72 J (0.027)
Antimony, total, mg/L	0.06	< 0.037 U (0.037)
Arsenic, total, mg/L	0.01	0.01 A (0.002)
Barium, total, mg/L	0.2	0.0372 J (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	24.3 J (0.02)
Chromium, total, mg/L	0.01	0.0099 J (0.003)
Cobalt, total, mg/L	0.05	0.0074 J (0.007)
Copper, total, mg/L	0.025	0.0273 J (0.006)
Iron, total, mg/L	0.1	7.24 J (0.003)
Lead, total, mg/L	0.005	0.0061 J (0.002)
Magnesium, total, mg/L	5.0	7.18 A (0.037)
Manganese, total, mg/L	0.015	1.08 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	0.0139 J (0.012)
Potassium, total, mg/L	5.0	5.39 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	37.4 J (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	0.0084 J (0.006)
Zinc, total, mg/L	0.02	0.0466 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-36

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/18/90
Aluminum, total, mg/L	0.2	3.24 J (0.0385)
Antimony, total, mg/L	0.06	< 0.0096 U (0.0096)
Arsenic, total, mg/L	0.01	0.247 A (0.003)
Barium, total, mg/L	0.2	< 0.0075 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	8.91 A (0.0327)
Chromium, total, mg/L	0.01	0.0215 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.004 U (0.0017)
Copper, total, mg/L	0.025	< 0.0124 U (0.0045)
Iron, total, mg/L	0.1	1.65 J (0.0114)
Lead, total, mg/L	0.003	0.039 J (0.001)
Magnesium, total, mg/L	5.0	2.23 A (0.0301)
Manganese, total, mg/L	0.015	0.0408 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	< 0.97 UJ (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	238.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	0.242 A (0.002)
Zinc, total, mg/L	0.02	< 0.0377 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-37

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/18/90
Aluminum, total, mg/L	0.2	0.419 J (0.0385)
Antimony, total, mg/L	0.06	0.0202 A (0.0096)
Arsenic, total, mg/L	0.01	0.614 A (0.003)
Barium, total, mg/L	0.2	< 0.0326 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	0.003 A (0.0017)
Calcium, total, mg/L	5.0	48.6 A (0.0327)
Chromium, total, mg/L	0.01	0.0048 J (0.0017)
Cobalt, total, mg/L	0.05	< 0.0049 U (0.0017)
Copper, total, mg/L	0.025	< 0.0942 U (0.0045)
Iron, total, mg/L	0.1	2.48 J (0.0114)
Lead, total, mg/L	0.003	< 0.0043 U (0.001)
Magnesium, total, mg/L	5.0	6.44 A (0.0301)
Manganese, total, mg/L	0.015	0.537 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	< 0.0107 U (0.0107)
Potassium, total, mg/L	5.0	2.54 J (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	26.2 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	< 0.002 U (0.002)
Zinc, total, mg/L	0.02	< 0.025 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-38

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/17/90	10/17/90 Replicate
Aluminum, total, mg/L	0.2	2.5 J (0.0385)	1.15 J (0.0385)
Antimony, total, mg/L	0.06	0.0426 A (0.0096)	0.0334 A (0.0096)
Arsenic, total, mg/L	0.01	0.222 A (0.003)	0.173 A (0.003)
Barium, total, mg/L	0.2	0.0528 A (0.0006)	< 0.0307 U (0.0006)
Beryllium, total, mg/L	0.005	< 0.0003 U (0.0003)	< 0.0003 U (0.0003)
Cadmium, total, mg/L	0.005	0.003 A (0.0017)	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	120.0 A (0.0327)	122.0 A (0.0327)
Chromium, total, mg/L	0.01	< 0.009 U (0.0017)	0.0045 J (0.0017)
Cobalt, total, mg/L	0.05	0.0264 A (0.0017)	< 0.0329 U (0.0017)
Copper, total, mg/L	0.025	< 0.072 U (0.0045)	< 0.092 U (0.0045)
Iron, total, mg/L	0.1	6.81 J (0.0114)	3.71 J (0.0114)
Lead, total, mg/L	0.003	0.0262 J (0.001)	0.0093 J (0.001)
Magnesium, total, mg/L	5.0	5.63 A (0.0301)	5.05 A (0.0301)
Manganese, total, mg/L	0.015	0.431 J (0.0005)	0.389 J (0.0005)
Mercury, total, ug/L	0.2	0.23 J (0.1)	0.14 J (0.1)
Nickel, total, mg/L	0.04	0.0626 J (0.0107)	0.0809 J (0.0107)
Potassium, total, mg/L	5.0	6.82 A (0.97)	5.91 A (0.97)
Selenium, total, mg/L	0.005	0.0052 J (0.003)	0.0053 J (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	24.9 A (0.0116)	21.7 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 U (0.002)	< 0.002 U (0.002)
Vanadium, total, mg/L	0.05	0.0253 A (0.002)	0.0191 A (0.002)
Zinc, total, mg/L	0.02	0.321 J (0.0019)	< 0.0415 U (0.0019)

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 2. Summary of PDI Phase 1 and Phase.2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-39

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/15/90	10/15/90 Replicate
Aluminum, total, mg/L	0.2	10.7 J (0.0385)	11.5 J (0.0385)
Antimony, total, mg/L	0.06	0.058 J (0.0096)	0.031 J (0.0096)
Arsenic, total, mg/L	0.01	0.0375 A (0.003)	0.0357 A (0.003)
Barium, total, mg/L	0.2	0.0721 A (0.0006)	0.078 A (0.0006)
Beryllium, total, mg/L	0.005	0.0004 A (0.0003)	0.0004 A (0.0003)
Cadmium, total, mg/L	0.005	< 0.0017 U (0.0017)	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	54.7 A (0.0327)	61.7 A (0.0327)
Chromium, total, mg/L	0.01	0.361 J (0.0017)	0.385 J (0.0017)
Cobalt, total, mg/L	0.05	0.0197 A (0.0017)	0.0222 A (0.0017)
Copper, total, mg/L	0.025	< 0.0345 U (0.0045)	< 0.153 U (0.0045)
Iron, total, mg/L	0.1	25.3 J (0.0114)	27.3 J (0.0114)
Lead, total, mg/L	0.003	0.0087 J (0.001)	0.0074 J (0.001)
Magnesium, total, mg/L	5.0	22.3 A (0.0301)	25.1 A (0.0301)
Manganese, total, mg/L	0.015	0.617 J (0.0005)	0.684 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	0.0193 J (0.0107)	0.0235 J (0.0107)
Potassium, total, mg/L	5.0	8.38 J (0.97)	10.2 J (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	29.8 A (0.0116)	11.9 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 UJ (0.002)	< 0.002 UJ (0.002)
Vanadium, total, mg/L	0.05	0.0264 A (0.002)	0.0288 A (0.002)
Zinc, total, mg/L	0.02	0.0762 J (0.0019)	0.13 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-40

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/15/90
Aluminum, total, mg/L	0.2	13.1 J (0.0385)
Antimony, total, mg/L	0.06	0.143 J (0.0096)
Arsenic, total, mg/L	0.01	0.09 A (0.003)
Barium, total, mg/L	0.2	0.17 A (0.0006)
Beryllium, total, mg/L	0.005	0.0032 A (0.0003)
Cadmium, total, mg/L	0.005	< 0.0035 U (0.0017)
Calcium, total, mg/L	5.0	491.0 A (0.0327)
Chromium, total, mg/L	0.01	0.196 J (0.0017)
Cobalt, total, mg/L	0.05	0.0517 A (0.0017)
Copper, total, mg/L	0.025	< 0.298 U (0.0045)
Iron, total, mg/L	0.1	15.4 J (0.0114)
Lead, total, mg/L	0.003	0.0994 J (0.001)
Magnesium, total, mg/L	5.0	10.4 A (0.0301)
Manganese, total, mg/L	0.015	0.243 J (0.0005)
Mercury, total, ug/L	0.2	1.6 A (0.1)
Nickel, total, mg/L	0.04	0.0371 J (0.0107)
Potassium, total, mg/L	5.0	5.9 J (0.97)
Selenium, total, mg/L	0.005	0.078 J (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	12.0 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, total, mg/L	0.05	0.0465 A (0.002)
Zinc, total, mg/L	0.02	0.312 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-41

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/15/90
Aluminum, total, mg/L	0.2	18.1 J (0.0385)
Antimony, total, mg/L	0.06	0.061 J (0.0096)
Arsenic, total, mg/L	0.01	< 0.0436 U (0.003)
Barium, total, mg/L	0.2	0.121 A (0.0006)
Beryllium, total, mg/L	0.005	0.001 A (0.0003)
Cadmium, total, mg/L	0.005	< 0.0017 U (0.0017)
Calcium, total, mg/L	5.0	136.0 A (0.0327)
Chromium, total, mg/L	0.01	0.111 J (0.0017)
Cobalt, total, mg/L	0.05	0.0211 A (0.0017)
Copper, total, mg/L	0.025	< 0.0663 U (0.0045)
Iron, total, mg/L	0.1	24.6 J (0.0114)
Lead, total, mg/L	0.003	0.0112 J (0.001)
Magnesium, total, mg/L	5.0	24.3 A (0.0301)
Manganese, total, mg/L	0.015	0.827 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	0.035 J (0.0107)
Potassium, total, mg/L	5.0	4.4 J (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	44.2 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, total, mg/L	0.05	0.0469 A (0.002)
Zinc, total, mg/L	0.02	0.072 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-42

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	10/15/90
Aluminum, total, mg/L	0.2	15.1 J (0.0385)
Antimony, total, mg/L	0.06	0.0127 J (0.0096)
Arsenic, total, mg/L	0.01	0.482 A (0.003)
Barium, total, mg/L	0.2	0.287 A (0.0006)
Beryllium, total, mg/L	0.005	0.0007 A (0.0003)
Cadmium, total, mg/L	0.005	< 0.0034 U (0.0017)
Calcium, total, mg/L	5.0	47.3 A (0.0327)
Chromium, total, mg/L	0.01	0.0352 J (0.0017)
Cobalt, total, mg/L	0.05	0.0373 A (0.0017)
Copper, total, mg/L	0.025	< 0.0284 U (0.0045)
Iron, total, mg/L	0.1	47.3 J (0.0114)
Lead, total, mg/L	0.003	0.0165 J (0.001)
Magnesium, total, mg/L	5.0	34.8 A (0.0301)
Manganese, total, mg/L	0.015	1.87 J (0.0005)
Mercury, total, ug/L	0.2	< 0.1 UJ (0.1)
Nickel, total, mg/L	0.04	0.0332 J (0.0107)
Potassium, total, mg/L	5.0	15.1 J (0.97)
Selenium, total, mg/L	0.005	< 0.003 UJ (0.003)
Silver, total, mg/L	0.01	< 0.0084 UJ (0.0084)
Sodium, total, mg/L	5.0	35.4 A (0.0116)
Thallium, total, mg/L	0.01	< 0.002 UJ (0.002)
Vanadium, total, mg/L	0.05	0.0352 A (0.002)
Zinc, total, mg/L	0.02	0.071 J (0.0019)

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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: PUB

Chemical Compound Class: Total Metals

Chemical Parameter	CRDL	06/04/90
Aluminum, total, mg/L	0.2	0.0551 J (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	0.0122 J (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	12.4 J (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	0.0656 J (0.006)
Iron, total, mg/L	0.1	0.188 J (0.003)
Lead, total, mg/L	0.005	0.0034 J (0.002)
Magnesium, total, mg/L	5.0	1.82 J (0.037)
Manganese, total, mg/L	0.015	0.0233 J (0.001)
Mercury, total, ug/L	0.2	< 0.2 U (0.2)
Nickel, total, mg/L	0.04	< 0.012 U (0.012)
Potassium, total, mg/L	5.0	2.03 J (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	23.2 J (0.038)
Thallium, total, mg/L	0.01	< 0.004 U (0.004)
Vanadium, total, mg/L	0.05	< 0.006 U (0.006)
Zinc, total, mg/L	0.02	0.0122 J (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 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-9

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/18/90
pH, field, s.u.	6.13 F
Specific conductance, field, umhos/cm	1020.0 F
Temperature, field, Celsius	9.0 F

Monitoring Well: OW-10

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/16/90
pH, field, s.u.	6.02 F
Specific conductance, field, umhos/cm	420.0 F
Temperature, field, Celsius	12.0 F

Monitoring Well: OW-11

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/16/90
pH, field, s.u.	6.33 F
Specific conductance, field, umhos/cm	360.0 F
Temperature, field, Celsius	11.0 F

Explanation

- Not Analyzed

Validation Code

F Field Parameter

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-12

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/15/90
pH, field, s.u.	8.19 F
Specific conductance, field, umhos/cm	5800.0 F
Temperature, field, Celsius	12.0 F

Monitoring Well: OW-13

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/15/90
pH, field, s.u.	7.58 F
Specific conductance, field, umhos/cm	755.0 F
Temperature, field, Celsius	18.0 F

Monitoring Well: OW-16

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/18/90
pH, field, s.u.	6.88 F
Specific conductance, field, umhos/cm	16990.0 F
Temperature, field, Celsius	13.0 F

Explanation

- Not Analyzed

Validation Code

F Field Parameter

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-17

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/16/90
pH, field, s.u.	6.95 F
Specific conductance, field, umhos/cm	470.0 F
Temperature, field, Celsius	11.0 F

Monitoring Well: OW-18

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/16/90
pH, field, s.u.	5.48 F
Specific conductance, field, umhos/cm	966.0 F
Temperature, field, Celsius	11.0 F

Monitoring Well: OW-18A

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/16/90
pH, field, s.u.	5.83 F
Specific conductance, field, umhos/cm	590.0 F
Temperature, field, Celsius	13.0 F

Explanation

- Not Analyzed

Validation Code

F Field Parameter

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-19

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/16/90
pH, field, s.u.	5.83 F
Specific conductance, field, umhos/cm	460.0 F
Temperature, field, Celsius	13.0 F

Monitoring Well: OW-19A

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/16/90
pH, field, s.u.	6.32 F
Specific conductance, field, umhos/cm	250.0 F
Temperature, field, Celsius	13.0 F

Monitoring Well: OW-21

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/18/90
pH, field, s.u.	5.87 F
Specific conductance, field, umhos/cm	340.0 F
Temperature, field, Celsius	14.0 F

Explanation

- Not Analyzed

Validation Code

F Field Parameter

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-22

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/17/90
pH, field, s.u.	6.15 F
Specific conductance, field, umhos/cm	2100.0 F
Temperature, field, Celsius	14.0 F

Monitoring Well: OW-24A

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/16/90
pH, field, s.u.	5.74 F
Specific conductance, field, umhos/cm	410.0 F
Temperature, field, Celsius	15.0 F

Monitoring Well: OW-24B

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/16/90
pH, field, s.u.	6.0 F
Specific conductance, field, umhos/cm	540.0 F
Temperature, field, Celsius	14.0 F

Explanation

- Not Analyzed

Validation Code

F Field Parameter

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-28

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/17/90
pH, field, s.u.	5.78 F
Specific conductance, field, umhos/cm	80.0 F

Monitoring Well: OW-30A

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/17/90
Temperature, field, Celsius	13.0 F

Monitoring Well: OW-30B

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/17/90
Temperature, field, Celsius	13.0 F

Explanation

- Not Analyzed

Validation Code

F Field Parameter

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-31

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/18/90
pH, field, s.u.	6.61 F
Specific conductance, field, umhos/cm	537.0 F
Temperature, field, Celsius	13.0 F

Monitoring Well: OW-32

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/17/90
Temperature, field, Celsius	12.0 F

Monitoring Well: OW-36

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/18/90
pH, field, s.u.	6.86 F
Specific conductance, field, umhos/cm	1250.0 F
Temperature, field, Celsius	15.0 F

Explanation

- Not Analyzed

Validation Code

F Field Parameter

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-37

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/18/90
pH, field, s.u.	6.09 F
Specific conductance, field, umhos/cm	600.0 F
Temperature, field, Celsius	13.0 F

Monitoring Well: OW-38

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/17/90
pH, field, s.u.	5.78 F
Specific conductance, field, umhos/cm	780.0 F
Temperature, field, Celsius	15.0 F

Monitoring Well: OW-39

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/15/90
pH, field, s.u.	6.72 F
Specific conductance, field, umhos/cm	1150.0 F
Temperature, field, Celsius	13.0 F

Explanation

- Not Analyzed

Validation Code

F Field Parameter

Appendix C

Section 2. Summary of PDI Phase 1 and Phase 2 Ground-Water Quality Data, Pre-Design Investigation, Industri-Plex Site, Woburn, Massachusetts.

Monitoring Well: OW-40

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/15/90
pH, field, s.u.	6.8 F
Specific conductance, field, umhos/cm	1980.0 F
Temperature, field, Celsius	12.0 F

Monitoring Well: OW-41

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/15/90
pH, field, s.u.	7.48 F
Specific conductance, field, umhos/cm	1608.0 F
Temperature, field, Celsius	14.0 F

Monitoring Well: OW-42

Chemical Compound Class: Physical Measurements

Chemical Parameter	10/15/90
pH, field, s.u.	8.21 F
Specific conductance, field, umhos/cm	3360.0 F
Temperature, field, Celsius	9.0 F

Explanation

- Not Analyzed

Validation Code

F Field Parameter