57322

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

096040406W

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040402D

Lab Sample ID: 95040664 Date Received: 04/05/95

Lab File ID: 040664 Date Analyzed: 04/10/95

Purge Volume: 25.0 mL Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	36	
75-34-3	1,1-Dichloroethane	6	
156-60-5	Trans-1,2-Dichloroethene	5	U
156-59-4	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	25	U
71-55-6	1,1,1-Trichloroethane	63	
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
74-97-5	Bromochloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
106-93-4	1,2-Dibromoethane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U

AR000301

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

096040406T

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040402D

Lab Sample ID: 95040666 Date Received: 04/05/95

Lab File ID: 040666 Date Analyzed: 04/10/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

096040406M

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040402D

Lab Sample ID: 95040665 Date Received: 04/05/95

Lab File ID: 040665 Date Analyzed: 04/10/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE ..

096040404WD

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040402D

Lab Sample ID: 95040661 Date Received: 04/05/95

Lab File ID: 040661D Date Analyzed: 04/11/95

Purge Volume: 25.0 mL Dilution Factor: 5.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	32	D
75-34-3	1,1-Dichloroethane	5	D
156-60-5	Trans-1,2-Dichloroethene	5	U
156-59-4	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	25	U
71-55-6	1,1,1-Trichloroethane	44	D
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
74-97-5	Bromochloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
106-93-4	1,2-Dibromoethane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

096040404W

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040402D

Lab Sample ID: 95040661 Date Received: 04/05/95

Lab File ID: 040661 Date Analyzed: 04/10/95

Purge Volume: 25.0 mL Dilution Factor: 2.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	2	U
74-83-9	Bromomethane	2	U
75-01-4	Vinyl Chloride	2	U
75-00-3	Chloroethane	2	U
75-09-2	Methylene Chloride	4	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	2	U
75-35-4	1,1-Dichloroethene	29	
75-34-3	1,1-Dichloroethane	4	
156-60-5	Trans-1,2-Dichloroethene	2	U
156-59-4	cis-1,2-Dichloroethene	2	U
67-66-3	Chloroform	2	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	53	
56-23-5	Carbon Tetrachloride	2	U
75-27-4	Bromodichloromethane	2	U
74-97-5	Bromochloromethane	2	U
78-87-5	1,2-Dichloropropane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
79-01-6	Trichloroethene	3	
124-48-1	Dibromochloromethane	2	U
79-00-5	1,1,2-Trichloroethane	2	U
71-43-2	Benzene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
75-25-2	Bromoform	2	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
108-88-3	Toluene	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
100-42-5	Styrene	2	U
1330-20-7	Xylene (total)	2	U
106-93-4	1,2-Dibromoethane	2	U
95-50-1	1,2-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

AR000305

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE

096040404T

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040402D

Lab Sample ID: 95040663 Date Received: 04/05/95

Lab File ID: 040663 Date Analyzed: 04/10/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000306

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

096040404M

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040402D

Lab Sample ID: 95040662 Date Received: 04/05/95

Lab File ID: 040662 Date Analyzed: 04/10/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000307

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

096040402T

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040402D

Lab Sample ID: 95040660 Date Received: 04/05/95

Lab File ID: 040660 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000308

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

096040402M

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040402D

Lab Sample ID: 95040659 Date Received: 04/05/95

Lab File ID: 040659 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000309

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

096040402D

Lab Name: ENVIROSYSTEMS Contract:

ab Code: ENVSYS Case No.: R3096 SDG No.: 096040402D

Lab Sample ID: 95040674 Date Received: 04/05/95

Lab File ID: 040674 Date Analyzed: 04/10/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000310

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE

096040489W

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040655 Date Received: 04/05/95

Lab File ID: 040655 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	41	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	37	
75-34-3	1,1-Dichloroethane	5	
156-60-5	Trans-1,2-Dichloroethene	5	U
156-59-4	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	25 ~~26~~	U
71-55-6	1,1,1-Trichloroethane	55	
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
74-97-5	Bromochloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
106-93-4	1,2-Dibromoethane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U

EL 5/31

AR000311

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

096040489T

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040657 Date Received: 04/05/95

Lab File ID: 040657 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000312

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE

096040489M

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040656 Date Received: 04/05/95

Lab File ID: 040656 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000313

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

096040402W

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040658 Date Received: 04/05/95

Lab File ID: 040658 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 5.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	25 ~~38~~	U EL 5/5/95
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	43	
75-34-3	1,1-Dichloroethane	6	
156-60-5	Trans-1,2-Dichloroethene	5	U
156-59-4	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	25	U
71-55-6	1,1,1-Trichloroethane	68	
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
74-97-5	Bromochloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
106-93-4	1,2-Dibromoethane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0960403TQ3

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040624 Date Received: 04/04/95

Lab File ID: 040624 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000315

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

0960403GST

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040621 Date Received: 04/04/95

Lab File ID: 040621 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	ug/L	Q	
74-87-3	Chloromethane	1	U	
74-83-9	Bromomethane	1	U	
75-01-4	Vinyl Chloride	1	U	
75-00-3	Chloroethane	1	U	
75-09-2	Methylene Chloride	2	U	
67-64-1	Acetone	5 ~~27~~	U	EL 5/5/95
75-15-0	Carbon Disulfide	1	U	
75-35-4	1,1-Dichloroethene	1	U	
75-34-3	1,1-Dichloroethane	1	U	
156-60-5	Trans-1,2-Dichloroethene	1	U	
156-59-4	cis-1,2-Dichloroethene	1	U	
67-66-3	Chloroform	1	U	
107-06-2	1,2-Dichloroethane	1	U	
78-93-3	2-Butanone	5 ~~11~~	U	EL 5/5
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	1	U	
75-27-4	Bromodichloromethane	1	U	
74-97-5	Bromochloromethane	1	U	
78-87-5	1,2-Dichloropropane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
79-01-6	Trichloroethene	1	U	
124-48-1	Dibromochloromethane	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
71-43-2	Benzene	1	U	
10061-02-6	trans-1,3-Dichloropropene	1	U	
75-25-2	Bromoform	1	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
591-78-6	2-Hexanone	5	U	
127-18-4	Tetrachloroethene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
108-88-3	Toluene	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1		
96-12-8	1,2-Dibromo-3-chloropropane	1	U	
100-42-5	Styrene	1	U	
1330-20-7	Xylene (total)	8	X	
106-93-4	1,2-Dibromoethane	1	U	
95-50-1	1,2-Dichlorobenzene	1	U	
106-46-7	1,4-Dichlorobenzene	1	U	
541-73-1	1,3-Dichlorobenzene	1	U	

AR000316

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE No.

0960403GSW

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040619 Date Received: 04/04/95

Lab File ID: 040619 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 5.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	25 ~~48~~	U EL 5/5/1
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	59	
75-34-3	1,1-Dichloroethane	32	
156-60-5	Trans-1,2-Dichloroethene	5	U
156-59-4	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	25 ~~27~~	U EL 5/5/9
71-55-6	1,1,1-Trichloroethane	57	
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
74-97-5	Bromochloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
106-93-4	1,2-Dibromoethane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

0960403GSM

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040620 Date Received: 04/04/95

Lab File ID: 040620 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q	
74-87-3	Chloromethane	5	U	
74-83-9	Bromomethane	5	U	
75-01-4	Vinyl Chloride	5	U	
75-00-3	Chloroethane	5	U	
75-09-2	Methylene Chloride	10	U	EL
67-64-1	Acetone	25 ~~97~~	U	s/s/25
75-15-0	Carbon Disulfide	5	U	
75-35-4	1,1-Dichloroethene	56.		
75-34-3	1,1-Dichloroethane	32.		
156-60-5	Trans-1,2-Dichloroethene	5	U	
156-59-4	cis-1,2-Dichloroethene	5	U	
67-66-3	Chloroform	5	U	
107-06-2	1,2-Dichloroethane	5	U	
78-93-3	2-Butanone	25 ~~44~~	U	EL
71-55-6	1,1,1-Trichloroethane	61.		s/s.
56-23-5	Carbon Tetrachloride	5	U	
75-27-4	Bromodichloromethane	5	U	
74-97-5	Bromochloromethane	5	U	
78-87-5	1,2-Dichloropropane	5	U	
10061-01-5	cis-1,3-Dichloropropene	5	U	
79-01-6	Trichloroethene	5	U	
124-48-1	Dibromochloromethane	5	U	
79-00-5	1,1,2-Trichloroethane	5	U	
71-43-2	Benzene	5	U	
10061-02-6	trans-1,3-Dichloropropene	5	U	
75-25-2	Bromoform	5	U	
108-10-1	4-Methyl-2-Pentanone	25	U	
591-78-6	2-Hexanone	25	U	
127-18-4	Tetrachloroethene	5	U	
79-34-5	1,1,2,2-Tetrachloroethane	5	U	
108-88-3	Toluene	5	U	
108-90-7	Chlorobenzene	5	U	
100-41-4	Ethylbenzene	5	U	
96-12-8	1,2-Dibromo-3-chloropropane	5	U	
100-42-5	Styrene	5	U	
1330-20-7	Xylene (total)	5	U	
106-93-4	1,2-Dibromoethane	5	U	
95-50-1	1,2-Dichlorobenzene	5	U	
106-46-7	1,4-Dichlorobenzene	5	U	
541-73-1	1,3-Dichlorobenzene	5	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE

0960403GSD

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040623 Date Received: 04/04/95

Lab File ID: 040623 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	25 ~~64~~	u
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	52.	
75-34-3	1,1-Dichloroethane	31.	
156-60-5	Trans-1,2-Dichloroethene	5	U
156-59-4	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	25 ~~43~~	u
71-55-6	1,1,1-Trichloroethane	56.	
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
74-97-5	Bromochloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
106-93-4	1,2-Dibromoethane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U

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EL 5/5/

AR000319

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

0960403FQ3

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040625 Date Received: 04/04/95

Lab File ID: 040625 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000320

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

096040382W

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040610 Date Received: 04/04/95

Lab File ID: 040610 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	5	
75-34-3	1,1-Dichloroethane	2	
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	17	
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000321

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

096040382T

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040612 Date Received: 04/04/95

Lab File ID: 040612 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE

096040382M

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040611 Date Received: 04/04/95

Lab File ID: 040611 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 2.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	2	U
74-83-9	Bromomethane	2	U
75-01-4	Vinyl Chloride	2	U
75-00-3	Chloroethane	2	U
75-09-2	Methylene Chloride	4	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	2	U
75-35-4	1,1-Dichloroethene	9	
75-34-3	1,1-Dichloroethane	5	
156-60-5	Trans-1,2-Dichloroethene	2	U
156-59-4	cis-1,2-Dichloroethene	2	U
67-66-3	Chloroform	2	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	41	
56-23-5	Carbon Tetrachloride	2	U
75-27-4	Bromodichloromethane	2	U
74-97-5	Bromochloromethane	2	U
78-87-5	1,2-Dichloropropane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	2	U
79-00-5	1,1,2-Trichloroethane	2	U
71-43-2	Benzene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
75-25-2	Bromoform	2	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
108-88-3	Toluene	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
100-42-5	Styrene	2	U
1330-20-7	Xylene (total)	2	U
106-93-4	1,2-Dibromoethane	2	U
95-50-1	1,2-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

.096040382D

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040622 Date Received: 04/04/95

Lab File ID: 040622 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	2	U
74-83-9	Bromomethane	2	U
75-01-4	Vinyl Chloride	2	U
75-00-3	Chloroethane	2	U
75-09-2	Methylene Chloride	4	U
67-64-1	Acetone	10 ~~11~~	U
75-15-0	Carbon Disulfide	2	U
75-35-4	1,1-Dichloroethene	10	
75-34-3	1,1-Dichloroethane	5	
156-60-5	Trans-1,2-Dichloroethene	2	U
156-59-4	cis-1,2-Dichloroethene	2	U
67-66-3	Chloroform	2	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	42	
56-23-5	Carbon Tetrachloride	2	U
75-27-4	Bromodichloromethane	2	U
74-97-5	Bromochloromethane	2	U
78-87-5	1,2-Dichloropropane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	2	U
79-00-5	1,1,2-Trichloroethane	2	U
71-43-2	Benzene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
75-25-2	Bromoform	2	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
108-88-3	Toluene	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
100-42-5	Styrene	2	U
1330-20-7	Xylene (total)	2	U
106-93-4	1,2-Dibromoethane	2	U
95-50-1	1,2-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

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AR000324

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE I

096040308WD

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040616 Date Received: 04/04/95

Lab File ID: 040616D Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	2	U
74-83-9	Bromomethane	2	U
75-01-4	Vinyl Chloride	2	U
75-00-3	Chloroethane	2	U
75-09-2	Methylene Chloride	4	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	2	U
75-35-4	1,1-Dichloroethene	13	D
75-34-3	1,1-Dichloroethane	3	D
156-60-5	Trans-1,2-Dichloroethene	2	U
156-59-4	cis-1,2-Dichloroethene	2	U
67-66-3	Chloroform	2	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	21	D
56-23-5	Carbon Tetrachloride	2	U
75-27-4	Bromodichloromethane	2	U
74-97-5	Bromochloromethane	2	U
78-87-5	1,2-Dichloropropane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	2	U
79-00-5	1,1,2-Trichloroethane	2	U
71-43-2	Benzene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
75-25-2	Bromoform	2	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
108-88-3	Toluene	2	U
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
100-42-5	Styrene	2	U
1330-20-7	Xylene (total)	2	U
106-93-4	1,2-Dibromoethane	2	U
95-50-1	1,2-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

AR000325

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

096040308T

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040618 Date Received: 04/04/95

Lab File ID: 040618 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000326

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

096040308W

Lab Name: ENVIROSYSTEMS Contract:

ab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040616 Date Received: 04/04/95

Lab File ID: 040616 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	13.	
75-34-3	1,1-Dichloroethane	3	
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	27.	
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

096040308M

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040617 Date Received: 04/04/95

Lab File ID: 040617 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000328

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

096040301W

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040613 Date Received: 04/04/95

Lab File ID: 040613 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 5.0

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	25 ~~53~~	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	33	
75-34-3	1,1-Dichloroethane	5	
156-60-5	Trans-1,2-Dichloroethene	5	U
156-59-4	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	39	
71-55-6	1,1,1-Trichloroethane	53	
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
74-97-5	Bromochloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
106-93-4	1,2-Dibromoethane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U

EL 5/5/95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

096040301T

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040615 Date Received: 04/04/95

Lab File ID: 040615 Date Analyzed: 04/08/95

Purge Volume: 25.0 mL Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene Chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-60-5	Trans-1,2-Dichloroethene	1	U
156-59-4	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
74-97-5	Bromochloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylene (total)	1	U
106-93-4	1,2-Dibromoethane	1	U
95-50-1	1,2-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U

AR000330

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

096040301M

Lab Name: ENVIROSYSTEMS Contract:

Lab Code: ENVSYS Case No.: R3096 SDG No.: 096040301M

Lab Sample ID: 95040614 Date Received: 04/04/95

Lab File ID: 040614 Date Analyzed: 04/09/95

Purge Volume: 25.0 mL Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q	
74-87-3	Chloromethane	5	U	
74-83-9	Bromomethane	5	U	
75-01-4	Vinyl Chloride	5	U	
75-00-3	Chloroethane	5	U	
75-09-2	Methylene Chloride	10	U	
67-64-1	Acetone	25 ~~29~~	U	EL 5/5/
75-15-0	Carbon Disulfide	5	U	
75-35-4	1,1-Dichloroethene	24		
75-34-3	1,1-Dichloroethane	6		
156-60-5	Trans-1,2-Dichloroethene	5	U	
156-59-4	cis-1,2-Dichloroethene	5	U	
67-66-3	Chloroform	5	U	
107-06-2	1,2-Dichloroethane	5	U	
78-93-3	2-Butanone	25 ~~31~~	U	EL 5/5/9
71-55-6	1,1,1-Trichloroethane	71		
56-23-5	Carbon Tetrachloride	5	U	
75-27-4	Bromodichloromethane	5	U	
74-97-5	Bromochloromethane	5	U	
78-87-5	1,2-Dichloropropane	5	U	
10061-01-5	cis-1,3-Dichloropropene	5	U	
79-01-6	Trichloroethene	5	U	
124-48-1	Dibromochloromethane	5	U	
79-00-5	1,1,2-Trichloroethane	5	U	
71-43-2	Benzene	5	U	
10061-02-6	trans-1,3-Dichloropropene	5	U	
75-25-2	Bromoform	5	U	
108-10-1	4-Methyl-2-Pentanone	25	U	
591-78-6	2-Hexanone	25	U	
127-18-4	Tetrachloroethene	5	U	
79-34-5	1,1,2,2-Tetrachloroethane	5	U	
108-88-3	Toluene	5	U	
108-90-7	Chlorobenzene	5	U	
100-41-4	Ethylbenzene	5	U	
96-12-8	1,2-Dibromo-3-chloropropane	5	U	
100-42-5	Styrene	5	U	
1330-20-7	Xylene (total)	5	U	
106-93-4	1,2-Dibromoethane	5	U	
95-50-1	1,2-Dichlorobenzene	5	U	
106-46-7	1,4-Dichlorobenzene	5	U	
541-73-1	1,3-Dichlorobenzene	5	U	

AR000331

CRYOCHEM OU1

Analytical Results

Round 12

Dates Sampled: May 16-17, 1995

Resample

DATA SUMMARY FORM: VOLATILES
WATER SAMPLES (µg/L)
CRYOCHEM SITE

CASES G7589 and G7605		Sampling Dates: May 16 and 17, 1995														
RESIDENT NAME		Garber			Dicindio			Minninger			Mike's Service Station			Hallman		
Sample Number	Detection Limit	CCS-RW-82W-12	CCS-RW-82M-12	CCD-RW-82T-12	CCS-RW-88W-12	CCS-RW-88M-12	CCD-RW-88T-12	CCS-RW-101W-12	CCS-RW-101M-12	CCS-RW-101T-12	CCS-RW-188W-12	CCS-RW-188M-12	CCS-RW-188T-12	CCS-RW-100W-12	CCS-RW-100M-12	CCS-RW-100T-12
Location of Sample		Well	Midpoint	Tap	Well	Midpoint	Tap	Well	Midpoint	Tap	Well	Midpoint	Tap	Well	Midpoint	Tap
Dilution Factor		1	1	1	5	1	1	5	1	1	5	1	1	1	1	1
All units in µg/L																
Chloromethane	1															UJ
Vinyl Chloride	1															UJ
Bromomethane	1															UJ
Chloroethane	1															UJ
Acetone	5				R	R		R	0.9 B		12 B		R			UJ
1,1-Dichloroethene	1	11			48			24			54	0.2 J	0.9 B	3	4	UJ
Carbon Disulfide	1														0.2 J	UJ
Methylene Chloride	2							1 B								UJ
trans-1,2-Dichloroethene	1															UJ
1,1-Dichloroethane	1	2			7			5			29				0.9 J	UJ
2-Butanone	5				R	R		R			R		R	0.8 J		UJ
cis-1,2-Dichloroethene	1															UJ
Chloroform	1															UJ
Bromochloromethane	1															UJ
1,1,1-Trichloroethane	1	21			84			53			64	0.3 J		10	10	UJ
Carbon Tetrachloride	1															UJ
Benzene	1										1 J					UJ
1,2-Dichloroethane	1															UJ
Trichloroethene	1	1			5			3 J			4 J	0.2 J		0.4 J	0.4 J	UJ
1,2-Dichloropropane	1															UJ
Bromodichloromethane	1															UJ
4--Methyl-2-pentanone	5															UJ
cis-1,3-Dichloropropene	1															UJ
Toluene	1											0.2 J				UJ
trans-1,3-Dichloropropene	1															UJ
1,1,2,-Trichloroethane	1															UJ
2-Hexanone	5											0.2 J				UJ
Tetrachloroethene	1	0.7 J			2 J			2 J			2 J			0.2 J	0.2 J	UJ
Dibromochloromethane	1															UJ
1,2-Dibromoethane (EDB)	1															UJ
Chlorobenzene	1															UJ
Ethylbenzene	1															UJ
Total Xylenes	1															UJ
Styrene	1															UJ
Bromoform	1															UJ
1,1,1,2-Tetrachloroethane	1															UJ
1,3-Dichlorobenzene	1															UJ
1,4-Dichlorobenzene	1															UJ
1,2-Dichlorobenzene	1															UJ
1,2-Dibromo-3-chloropropane	1															UJ

DATA SUMMARY FORM: VOLATILES
WATER SAMPLES (µg/L)
CRYOCHEM SITE

CASES G7589 and G7605	Sampling Dates: May 16 and 17, 1995														
RESIDENT NAME	Olock				Bohn		Greenley				Hutt	Yeager	Cleaver	Bonurs	Graham
Sample Number	CCS-RW-451W-12	CCD-RW-451W-12	CCS-RW-451M-12	CCS-RW-451T-12	CCS-RW-455W-12	CCD-RW-455W-12	CCS-RW-73W-12	CCS-RW-73M-12	CCD-RW-73M-12	CCS-RW-73T-12	CCS-RW-33W-12	CCS-RW-109W-12	CCS-RW-41W-12	CCS-RW-64W-12	CCS-RW-120W-12
Location of Sample	Well	Well	Midpoint	Tap	Well	Well	Well	Midpoint	Midpoint	Tap	Well	Well	Well	Well	Well
Dilution Factor	1	1	1	1	1	1	10	1	1	1	1	1	1	1	1
All units in µg/L	Duplicate Samples				Duplicate Samples			Duplicate Samples							
Chloromethane															
Vinyl Chloride															
Bromomethane															
Chloroethane															
Acetone	3 B	3 B	R		R	2 B	25 B	2 B	R	R	R	1 B	2 B	5 B	R
1,1-Dichloroethene	11	12					92								0.4 J
Carbon Disulfide															
Methylene Chloride							6 B		UJ	UJ	UJ	UJ	UJ		
trans-1,2-Dichloroethene															
1,1-Dichloroethane	6	6	0.2 J				14								0.2 J
2-Butanone			R		R		R		R	R	R	R	R		R
cis-1,2-Dichloroethene															
Chloroform															
Bromochloromethane															
1,1,1-Trichloroethane	18	18	0.2 J				140				0.3 J	0.3 J			2
Carbon Tetrachloride															
Benzene															
1,2-Dichloroethane															
Trichloroethene	0.4 J	0.4 J					10								
1,2-Dichloropropane															
Bromodichloromethane															
4--Methyl-2-pentanone															
cis-1,3-Dichloropropene															
Toluene															
trans-1,3-Dichloropropene															
1,1,2,-Trichloroethane															
2-Hexanone															
Tetrachloroethene							5 J								
Dibromochloromethane															
1,2-Dibromoethane (EDB)															
Chlorobenzene															
Ethylbenzene															
Total Xylenes															
Styrene															
Bromoform															
1,1,1,2-Tetrachloroethane															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
1,2-Dichlorobenzene															
1,2-Dibromo-3-chloropropane															

ARU00334

CRYOCHEM OU1

Analytical Results

Round 13

Dates Sampled: November 14-17, 1995

Site Name: Cryochem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#66W Sampling Date(s): 11-14-95

To calculate sample quantitation limits:
(CRQL * Dilution Factor)

	Sample No.	107M		107T		107W		108M		108T		108W		114T		114W		66W	
	Dilution Factor	1.0		1.0		2.9		1.0		1.0		1.0		1.0		1.0		1.0	
	Location	CCS-RW107M-13		CCS-RW107T-13		CCS-RW107W-13		CCS-RW108M-13		CCS-RW108T-13		CCS-RW108W-13		CCS-RW114T-13		CCS-RW114W-13		CCS-RW66W-13	
CRQL	COMPOUND																		
1	Chloromethane																		
1	Bromomethane																		
1	*Vinyl Chloride																		
1	Chloroethane																		
2	*Methylene Chloride	0.9	B	0.8	B	2	B	0.7	B	0.7	B	0.8	B	0.7	B	0.8	B	1	B
5	Acetone		R		R		R		R		R		R		R		R		R
1	Carbon Disulfide							1				1							
1	*1,1-Dichloroethene					32						12				3			
1	1,1-Dichloroethane					6						3				0.5	J		
1	*cis-1,2-Dichloroethene																		
1	*trans-1,2-Dichloroethene																		
1	Chloroform																	3	
1	*1,2-Dichloroethane																		
5	*2-Butanone		R		R		R		R		R		R		R		R		R
1	Bromochloromethane																		
1	*1,1,1-Trichloroethane					54		1				20				4			
1	*Carbon Tetrachloride																		
1	Bromodichloromethane																	1	

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS
revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#66W Sampling Date(s): 11-14-95

To calculate sample quantitation limits:
(CRQL * Dilution Factor)

CRQL	COMPOUND	107M	107T	107W	108M	108T	108W	114T	114W	66W
	Sample No.	107M	107T	107W	108M	108T	108W	114T	114W	66W
	Dilution Factor	1.0	1.0	2.9	1.0	1.0	1.0	1.0	1.0	1.0
	Location	CCS-RW107M-13	CCS-RW107T-13	CCS-RW107W-13	CCS-RW108M-13	CCS-RW108T-13	CCS-RW108W-13	CCS-RW114T-13	CCS-RW114W-13	CCS-RW66W-13
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene			4			1			
1	Dibromochloromethane									0.5 J
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene			2 J			0.7 J			
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

AR000337

Site Name: Cryochem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#66W Sampling Date(s): 11-14-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000338

CRQL	COMPOUND	82D		82M		82T		82W		88D		88M		88T		88W		FQ4	
	Sample No.	82D		82M		82T		82W		88D		88M		88T		88W		FQ4	
	Dilution Factor	1.0		1.0		1.0		2.5		1.0		1.0		1.0		4.5		1.0	
	Location	CCD-RW82M-13		CCS-RW82M-13		CCS-RW88T-13		CCS-RW82W-13		CCD-RW88M-13		CCS-RW88M-13		CCS-RW88T-13		CCS-RW88W-13		CCS-FQ1114-13	
		Field Dup. Of 82M		Field Dup. Of 82D						Field Dup. Of 88M		Field Dup. Of 88D						SAMPLE IS A FIELD BLANK.	
1	Chloromethane																		
1	Bromomethane																		
1	*Vinyl Chloride																		
1	Chloroethane																		
2	*Methylene Chloride	0.9	B	0.8	B	0.8	B	2	B	0.9	B	0.8	B	0.8	B	4	B	1	B
5	Acetone		R		R		R		R		R		R		R		R		R
1	Carbon Disulfide																		
1	*1,1-Dichloroethene							18								52			
1	1,1-Dichloroethane	2		2				6		4		3				9			
1	*cis-1,2-Dichloroethene																		
1	*trans-1,2-Dichloroethene																		
1	Chloroform																		
1	*1,2-Dichloroethane																		
5	*2-Butanone		R		R		R		R		R		R		R		R		R
1	Bromochloromethane																		
1	*1,1,1-Trichloroethane	1		1				46		6		5				82			
1	*Carbon Tetrachloride																		
1	Bromodichloromethane																		

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#66W Sampling Date(s): 11-14-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000339

CRQL	COMPOUND	82D	82M	82T	82W	88D	88M	88T	88W	FQ4
	Sample No.	82D	82M	82T	82W	88D	88M	88T	88W	FQ4
	Dilution Factor	1.0	1.0	1.0	2.5	1.0	1.0	1.0	4.5	1.0
	Location	CCD-RW82M-13	CCS-RW82M-13	CCS-RW88T-13	CCS-RW82W-13	CCD-RW88M-13	CCS-RW88M-13	CCS-RW88T-13	CCS-RW88W-13	CCS-FQ1114-13
		Field Dup. Of 82M	Field Dup. Of 82D			Field Dup. Of 88M	Field Dup. Of 88D			SAMPLE IS A FIELD BLANK.
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene				3				6	
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene				2				3 J	
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#66W Sampling Date(s): 11-14-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000340

	Sample No.	TQ4									
	Dilution Factor	1.0									
	Location	CCS-TQ1114-13									
		SAMPLE IS A TRIP BLANK.									
CRQL	COMPOUND										
1	Chloromethane										
1	Bromomethane										
1	*Vinyl Chloride										
1	Chloroethane										
2	*Methylene Chloride	0.9	B								
5	Acetone		R								
1	Carbon Disulfide										
1	*1,1-Dichloroethene										
1	1,1-Dichloroethane										
1	*cis-1,2-Dichloroethene										
1	*trans-1,2-Dichloroethene										
1	Chloroform										
1	*1,2-Dichloroethane										
5	*2-Butanone		R								
1	Bromochloromethane										
1	*1,1,1-Trichloroethane										
1	*Carbon Tetrachloride										
1	Bromodichloromethane										

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#66W Sampling Date(s): 11-14-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000034

CRQL	COMPOUND	TQ4								
	Sample No.	TQ4								
	Dilution Factor	1.0								
	Location	CCS-TQ1114-13								
		SAMPLE IS A TRIP BLANK.								
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene									
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone		R							
1	*Tetrachloroethene									
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: CryoChem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#69W Sampling Date(s): 11-15-95 - 11-17-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

CRQL	COMPOUND	105M		105T		105W		268D		268M		268T		268W		69W		71M	
	Sample No.	105M		105T		105W		268D		268M		268T		268W		69W		71M	
	Dilution Factor	1.0		1.0		2.6		1.0		1.0		1.0		1.0		1.0		1.0	
	Location	CCS-RW105M-13		CCS-RW105T-13		CCS-RW105W-13		CCD-RW268W-13		CCS-RW268M-13		CCS-RW268T-13		CCS-RW268W-13		CCS-RW69W-13		CCS-RW71M-13	
								Field Dup. Of 268W						Field Dup. Of 268D					
1	Chloromethane																		
1	Bromomethane																		
1	*Vinyl Chloride																		
1	Chloroethane																		
2	*Methylene Chloride	0.8	B	0.6	B	2	B	0.9	B	2	B	1	B	0.8	B	0.7	B	0.6	B
5	Acetone		R		R		R		R		R		R		R		R		R
1	Carbon Disulfide																	0.5	J
1	*1,1-Dichloroethene					24										1			
1	1,1-Dichloroethane					5													
1	*cis-1,2-Dichloroethene																		
1	*trans-1,2-Dichloroethene																		
1	Chloroform																		
1	*1,2-Dichloroethane																		
5	*2-Butanone		R		R		R		R		R		R		R		R		R
1	Bromochloromethane																		
1	*1,1,1-Trichloroethane					44										2			
1	*Carbon Tetrachloride																		
1	Bromodichloromethane																		

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

AR000342

Site Name: CryoChem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#69W Sampling Date(s): 11-15-95 - 11-17-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000343

CRQL	COMPOUND	105M	105T	105W	268D	268M	268T	268W	69W	71M
	Sample No.	105M	105T	105W	268D	268M	268T	268W	69W	71M
	Dilution Factor	1.0	1.0	2.6	1.0	1.0	1.0	1.0	1.0	1.0
	Location	CCS-RW105M-13	CCS-RW105T-13	CCS-RW105W-13	CCD-RW268W-13	CCS-RW268M-13	CCS-RW268T-13	CCS-RW268W-13	CCS-RW69W-13	CCS-RW71M-13
					Field Dup. Of 268W			Field Dup. Of 268D		
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene			3						
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene			1 J						
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: CryoChem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#69W Sampling Date(s): 11-15-95 - 11-17-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000344

CRQL	COMPOUND	71T		71W		72M		72T		72W		89M		89T		FQ5		FQ6	
	Sample No.	71T		71W		72M		72T		72W		89M		89T		FQ5		FQ6	
	Dilution Factor	1.0		1.0		1.0		1.0		2.8		1.0		1.0		1.0		1.0	
	Location	CCS-RW71T-13		CCS-RW71W-13		CCS-RW72M-13		CCS-RW72T-13		CCS-RW72W-13		CCS-RW89M-13		CCS-RW89T-13		CCS-FQ1115-13		CCS-FQ1116-13	
																SAMPLE IS A FIELD BLANK.		SAMPLE IS A FIELD BLANK.	
1	Chloromethane																		
1	Bromomethane																		
1	*Vinyl Chloride																		
1	Chloroethane																		
2	*Methylene Chloride	0.8	B	0.8	B	0.7	B	0.7	B	2	B	1	B	0.9	B	0.9	B	1	B
5	Acetone		R		R		R		R		R		R		R		R		R
1	Carbon Disulfide			0.5	J														
1	*1,1-Dichloroethene			4						54									
1	1,1-Dichloroethane			1		5				23									
1	*cis-1,2-Dichloroethene																		
1	*trans-1,2-Dichloroethene																		
1	Chloroform																		
1	*1,2-Dichloroethane																		
5	*2-Butanone		R		R		R		R		R		R		R		R		R
1	Bromochloromethane																		
1	*1,1,1-Trichloroethane			9		7				59		0.8	J						
1	*Carbon Tetrachloride																		
1	Bromodichloromethane																		

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

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Site Name: CryoChem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#69W Sampling Date(s): 11-15-95 - 11-17-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000345

	Sample No.	71T	71W	72M	72T	72W	89M	89T	FQ5	FQ6
	Dilution Factor	1.0	1.0	1.0	1.0	2.8	1.0	1.0	1.0	1.0
	Location	CCS-RW71T-13	CCS-RW71W-13	CCS-RW72M-13	CCS-RW72T-13	CCS-RW72W-13	CCS-RW89M-13	CCS-RW89T-13	CCS-FQ1115-13	CCS-FQ1116-13
									SAMPLE IS A FIELD BLANK.	SAMPLE IS A FIELD BLANK.
CRQL	COMPOUND									
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene		0.6 J			5				
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene					2 J				
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: CryoChem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#69W Sampling Date(s): 11-15-95 - 11-17-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

CRQL	COMPOUND																
	Sample No.	TQ5		TQ6													
	Dilution Factor	1.0		1.0													
	Location	CCS-TQ1115-13		CCS-TQ1116-13													
		SAMPLE IS A TRIP BLANK.		SAMPLE IS A TRIP BLANK.													
1	Chloromethane																
1	Bromomethane																
1	*Vinyl Chloride																
1	Chloroethane																
2	*Methylene Chloride	1	B	1	B												
5	Acetone		R		R												
1	Carbon Disulfide																
1	*1,1-Dichloroethene																
1	1,1-Dichloroethane																
1	*cis-1,2-Dichloroethene																
1	*trans-1,2-Dichloroethene																
1	Chloroform																
1	*1,2-Dichloroethane																
5	*2-Butanone		R		R												
1	Bromochloromethane																
1	*1,1,1-Trichloroethane																
1	*Carbon Tetrachloride																
1	Bromodichloromethane																

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

AR000345

Site Name: CryoChem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#69W Sampling Date(s): 11-15-95 - 11-17-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000347

	Sample No.	TQ5		TQ6															
	Dilution Factor	1.0		1.0															
	Location	CCS-TQ1115-13		CCS-TQ1116-13															
CRQL	COMPOUND	SAMPLE IS A TRIP BLANK.		SAMPLE IS A TRIP BLANK.															
1	*1,2-Dichloropropane																		
1	Cis-1,3-Dichloropropene																		
1	Trichloroethene																		
1	Dibromochloromethane																		
1	1,1,2-Trichloroethane																		
1	*Benzene																		
1	Trans-1,3-Dichloropropene																		
1	Bromoform																		
1	1,2-Dibromoethane																		
5	4-Methyl-2-pentanone																		
5	2-Hexanone		R		R														
1	*Tetrachloroethene																		
1	1,1,2,2-Tetrachloroethane																		
1	*Toluene																		
1	*Chlorobenzene																		
1	*Ethylbenzene																		
1	*Styrene																		
1	*Total Xylenes																		
1	1,2-Dibromo-3-Chloropropane																		
1	1,3-Dichlorobenzene																		
1	1,4-Dichlorobenzene																		
1	1,2-Dichlorobenzene																		

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: CryoChem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#89W Sampling Date(s): 11-17-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

ARO00348

CRQL	COMPOUND	103D		103M		103T		103W		106D		106M		106T		106W		115W	
	Sample No.	103D		103M		103T		103W		106D		106M		106T		106W		115W	
	Dilution Factor	1.0		1.0		1.0		1.8		2.5		1.0		1.0		3.1		1.0	
	Location	CCD-RW103T-13		CCS-RW103M-13		CCS-RW103T-13		CCS-RW103W-13		CCD-RW106W-13		CCS-RW106M-13		CCS-RW106T-13		CCS-RW106W-13		CCS-RW115W-13	
		Field Dup. Of 103T				Field Dup. Of 103D				Field Dup. of 106W						Field Dup. of 106D			
1	Chloromethane																		
1	Bromomethane																		
1	*Vinyl Chloride																		
1	Chloroethane																		
2	*Methylene Chloride	0.9	B	0.9	B	0.9	B	2	B	2	B	1	B	1	B	3	B	0.8	B
5	Acetone		R		R		R		R		R		R		R		R		R
1	Carbon Disulfide																		
1	*1,1-Dichloroethene							20		32						30			
1	1,1-Dichloroethane			0.8	J			4		5						5			
1	*cis-1,2-Dichloroethene																		
1	*trans-1,2-Dichloroethene																		
1	Chloroform																		
1	*1,2-Dichloroethane																		
5	*2-Butanone		R		R		R		R		R		R		R		R		R
1	Bromochloromethane																		
1	*1,1,1-Trichloroethane			0.6	J			34		46						50			
1	*Carbon Tetrachloride																		
1	Bromodichloromethane																		

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: CryoChem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#89W Sampling Date(s): 11-17-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000349

CRQL	COMPOUND	103D	103M	103T	103W	106D	106M	106T	106W	115W
	Sample No.	103D	103M	103T	103W	106D	106M	106T	106W	115W
	Dilution Factor	1.0	1.0	1.0	1.8	2.5	1.0	1.0	3.1	1.0
	Location	CCD-RW103T-13	CCS-RW103M-13	CCS-RW103T-13	CCS-RW103W-13	CCD-RW106W-13	CCS-RW106M-13	CCS-RW106T-13	CCS-RW106W-13	CCS-RW115W-13
		Field Dup. Of 103T		Field Dup. Of 103D		Field Dup. of 106W			Field Dup. of 106D	
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene				2	4			4	
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene				1 J	2			2 J	
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: CryoChem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#89W Sampling Date(s): 11-17-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

ARO00350

	Sample No.	299W	455W	89W	FQ7	TQ7				
	Dilution Factor	1.0	1.0	2.5	1.0	1.0				
	Location	CCS-RW299W-13	CCS-RW455W-13	CCS-RW89W-13	CCS-FQ1117-13	CCS-TQ1117-13				
					SAMPLE IS A FIELD BLANK.	SAMPLE IS A TRIP BLANK.				
CRQL	COMPOUND									
1	Chloromethane									
1	Bromomethane									
1	*Vinyl Chloride									
1	Chloroethane									
2	*Methylene Chloride	2 B	1 B	2 B	1 B	1 B				
5	Acetone	9 L	R	R	R	R				
1	Carbon Disulfide									
1	*1,1-Dichloroethene			32						
1	1,1-Dichloroethane			5						
1	*cis-1,2-Dichloroethene									
1	*trans-1,2-Dichloroethene									
1	Chloroform									
1	*1,2-Dichloroethane									
5	*2-Butanone	R	R	R	R	R				
1	Bromochloromethane									
1	*1,1,1-Trichloroethane			47						
1	*Carbon Tetrachloride									
1	Bromodichloromethane									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: CryoChem

WATER SAMPLES
(ug/L)

Case #:R3192 SDG#89W Sampling Date(s): 11-17-95

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

ARC00351

CRQL	COMPOUND	299W	455W	89W	FQ7	TQ7				
	Sample No.	299W	455W	89W	FQ7	TQ7				
	Dilution Factor	1.0	1.0	2.5	1.0	1.0				
	Location	CCS-RW299W-13	CCS-RW455W-13	CCS-RW89W-13	CCS-FQ1117-13	CCS-TQ1117-13				
					SAMPLE IS A FIELD BLANK.	SAMPLE IS A TRIP BLANK.				
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene			4						
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R	R	R	R				
1	*Tetrachloroethene			2						
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

CRYOCHEM OU1

Analytical Results

Round 14

Date Sampled: December 21, 1995

Resample

DATA SUMMAR ORM: VOLATILES
WATER SAMPLES (µg/L)
CRYOCHEM SITE

CASE M9851		Sampling Date: December 21, 1995												
RESIDENT NAME		Garber			Goodhart			Dicindio			Weidner			
Sample Number	Detection Limit	CCS-RW-82W-14	CCS-RW-82M-14	CCD-RW-82T-14	CCS-RW-108W-14	CCS-RW-108M-14	CCD-RW-108T-14	CCS-RW-88W-14	CCS-RW-88M-14	CCD-RW-88T-14	CCS-RW-72W-14	CCS-RW-72M-14	CCD-RW-72M-14	CCD-RW-72T-14
Location of Sample		Well	Midpoint	Tap	Well	Midpoint	Tap	Well	Midpoint	Tap	Well	Midpoint	Midpoint	Tap
Dilution Factor		1/2.5	1	1	1/2	1/2	1	1/5	1	1	1/5	1	1	1
All units in µg/L												Duplicate Samples		
Chloromethane	1													
Vinyl Chloride	1													
Bromomethane	1													
Chloroethane	1													
Acetone	5						1 JB							
1,1-Dichloroethene	1	19 *			20	19		40 *			71 *			
Carbon Disulfide	1										28 *			
Methylene Chloride	2	0.4 J												
trans-1,2-Dichloroethene	1													
1,1-Dichloroethane	1	5			4	4		9						
2-Butanone	5													
cis-1,2-Dichloroethene	1													
Chloroform	1													
Bromochloromethane	1													
1,1,1-Trichloroethane	1	44 *			27 *	28 *		84 *			87 *			
Carbon Tetrachloride	1													
Benzene	1										0.5 J			
1,2-Dichloroethane	1							0.5 J			0.4 J			
Trichloroethene	1	3			2	2		6			7			
1,2-Dichloropropane	1													
Bromodichloromethane	1													
4-Methyl-2-pentanone	5							1 J						
cis-1,3-Dichloropropene	1													
Toluene	1													
trans-1,3-Dichloropropene	1													
1,1,2,-Trichloroethane	1							0.5 J			0.5 J			
2-Hexanone	5							0.8 J						
Tetrachloroethene	1	2			1	1		3			3			
Dibromochloromethane	1													
1,2-Dibromoethane (EDB)	1													
Chlorobenzene	1													
Ethylbenzene	1													
Total Xylenes	1													
Styrene	1													
Bromoform	1													
1,1,1,2-Tetrachloroethane	1													
1,3-Dichlorobenzene	1													
1,4-Dichlorobenzene	1													
1,2-Dichlorobenzene	1													
1,2-Dibromo-3-chloropropane	1													

* Results from diluted sample

AR000353

Cryochem OU1

Analytical Results

Round 15

Date Sampled: April 29, 1996

DATA SUMMARY FORM: VOLATILES 1

Site Name: Cryochem

WATER SAMPLES
(ug/L)

CAS #: R3253 Sampling Date(s): 4/29/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

DG#: 00001

Minninger | AnKrom | Diener

R00035

CRQL	COMPOUND	253042901M	253042901T	253042901W	253042902M	253042902T	253042902W	253042904M	253042904T	253042904W
	Sample No.	253042901M	253042901T	253042901W	253042902M	253042902T	253042902W	253042904M	253042904T	253042904W
	Dilution Factor	1.0	1.0	2.1	1.7	1.0	2.3	1.0	1.0	1.0
	Location	CCS-RW101M-15	CCS-RW101T-15	CCS-RW101W-15	CCS-RW102M-15	CCS-RW102T-15	CCS-RW102W-15	CCS-RW104M-15	CCS-RW104T-15	CCS-RW104W-15
1	Chloromethane									
1	Bromomethane									
1	*Vinyl Chloride									
1	Chloroethane									
2	*Methylene Chloride				2 B		1 B	0.9 B	0.7 B	
5	Acetone	R	R	R	R	R	R	R	R	R
1	Carbon Disulfide									
1	*1,1-Dichloroethene			27			35			18
1	1,1-Dichloroethane			4	3		5	2		3
1	*cis-1,2-Dichloroethene									
1	*trans-1,2-Dichloroethene									
1	Chloroform									
1	*1,2-Dichloroethane									
5	*2-Butanone	R	R	R	R	R	R	R	R	R
1	Bromochloromethane									
1	*1,1,1-Trichloroethane			32	28		43	20		20
1	*Carbon Tetrachloride									
1	Bromodichloromethane									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/29/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

SDG#: 00001

Minninger → Ankrom → Diener →

R000356

	Sample No.	253042901M	253042901T	253042901W	253042902M	253042902T	253042902W	253042904M	253042904T	253042904W
	Dilution Factor	1.0	1.0	2.1	1.7	1.0	2.3	1.0	1.0	1.0
	Location	CCS-RW101M-15	CCS-RW101T-15	CCS-RW101W-15	CCS-RW102M-15	CCS-RW102T-15	CCS-RW102W-15	CCS-RW104M-15	CCS-RW104T-15	CCS-RW104W-15
CRQL	COMPOUND									
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene			3			4			2
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene						14			
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene			1 J			2			1
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes						2			
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS
revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/29/96

SDG#: 00001

A8000357

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

Geisinger → | Benyo → | Bergeman Hinaman

	Sample No.	253042906D	253042906M	253042906T	253042906W	253042907M	253042907T	253042907W	253042914T	253042915T
	Dilution Factor	1.8	1.0	1.0	1.8	1.0	1.0	2.3	1.0	1.0
	Location	CCD-RW106W-15	CCS-RW106M-15	CCS-RW106T-15	CCS-RW106W-15	CCS-RW107M-15	CCS-RW107T-15	CCS-RW107W-15	CCS-RW114T-15	CCS-RW115T-15
		SAMPLE IS A FIELD DUP. OF 253042906W			SAMPLE IS A FIELD DUP. OF 2530429060					
CRQL	COMPOUND									
1	Chloromethane									
1	Bromomethane									
1	*Vinyl Chloride									
1	Chloroethane									
2	*Methylene Chloride	1 B	0.7 B	0.7 B	1 B			1 B	3 B	0.5 B
5	Acetone	R	R	R	R	R	R	R	R	R
1	Carbon Disulfide						1 B			
1	*1,1-Dichloroethene	34			29			26		
1	1,1-Dichloroethane	4			4			4		
1	*cis-1,2-Dichloroethene									
1	*trans-1,2-Dichloroethene									
1	Chloroform									
1	*1,2-Dichloroethane									
5	*2-Butanone	R	R	R	R	R	R	R	R	R
1	Bromochloromethane									
1	*1,1,1-Trichloroethane	37			34			33		
1	*Carbon Tetrachloride									
1	Bromodichloromethane									

RQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/29/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

SDG#: 00001

Geisinger → | < Benzo — > | Bergeman Hinaman

AR000358

CRQL	COMPOUND	253042906D	253042906M	253042906T	253042906W	253042907M	253042907T	253042907W	253042914T	253042915T
	Sample No.	253042906D	253042906M	253042906T	253042906W	253042907M	253042907T	253042907W	253042914T	253042915T
	Dilution Factor	1.8	1.0	1.0	1.8	1.0	1.0	2.3	1.0	1.0
	Location	CCD-RW106W-15	CCS-RW106M-15	CCS-RW106T-15	CCS-RW106W-15	CCS-RW107M-15	CCS-RW107T-15	CCS-RW107W-15	CCS-RW114T-15	CCS-RW115T-15
		SAMPLE IS A FIELD DUP. OF 253042906W			SAMPLE IS A FIELD DUP. OF 253042906D					
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene	3			3			3		
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene	2			1 J			1 J		
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/29/96

SDG#: 00001

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000359

	Sample No.	2530429FB1	2530429TB1							
	Dilution Factor	1.0	1.0							
	Location	CCS-FQ0429-15	CCS-TQ0429-15							
		SAMPLE IS A FIELD BLANK.	SAMPLE IS A TRIP BLANK.							
CRQL	COMPOUND									
1	Chloromethane									
1	Bromomethane									
1	*Vinyl Chloride									
1	Chloroethane									
2	*Methylene Chloride									
5	Acetone	R	R							
1	Carbon Disulfide									
1	*1,1-Dichloroethene									
1	1,1-Dichloroethane									
1	*cis-1,2-Dichloroethene									
1	*trans-1,2-Dichloroethene									
1	Chloroform									
1	*1,2-Dichloroethane									
5	*2-Butanone	R	R							
1	Bromochloromethane									
1	*1,1,1-Trichloroethane									
1	*Carbon Tetrachloride									
1	Bromodichloromethane									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

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DATA SUMMARY FORM: VOLATILES 2

WATER SAMPLES
(ug/L)

Site Name: Cryochem

DAS #: R3253 Sampling Date(s): 4/29/96

SDG#: 00001

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000360

CRQL	COMPOUND																			
	Sample No.	2530429FB1		2530429TB1																
	Dilution Factor	1.0		1.0																
	Location	CCS-FQ0429-15		CCS-TQ0429-15																
		SAMPLE IS A FIELD BLANK.		SAMPLE IS A TRIP BLANK.																
1	*1,2-Dichloropropane																			
1	Cis-1,3-Dichloropropene																			
1	Trichloroethene																			
1	Dibromochloromethane																			
1	1,1,2-Trichloroethane																			
1	*Benzene																			
1	Trans-1,3-Dichloropropene																			
1	Bromoform																			
1	1,2-Dibromoethane																			
5	4-Methyl-2-pentanone																			
5	2-Hexanone		R		R															
1	*Tetrachloroethene																			
1	1,1,2,2-Tetrachloroethane																			
1	*Toluene																			
1	*Chlorobenzene																			
1	*Ethylbenzene																			
1	*Styrene																			
1	*Total Xylenes																			
1	1,2-Dibromo-3-Chloropropane																			
1	1,3-Dichlorobenzene																			
1	1,4-Dichlorobenzene																			
1	1,2-Dichlorobenzene																			

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/29/96 - 4/30/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

SDG#: 00021

Wetzel → | Hallmen → | Fleck →

AR000361

CRQL	COMPOUND	253042903D	253042903M	253042903T	253042903W	253043000M	253043000T	243043000W	253043068M	253043068T
	Sample No.	253042903D	253042903M	253042903T	253042903W	253043000M	253043000T	243043000W	253043068M	253043068T
	Dilution Factor	3.1	1.0	1.0	2.1	1.0	1.0	1.0	1.0	1.0
	Location	CCD-RW103W-15	CCS-RW103M-15	CCS-RW103T-15	CCS-RW103W-15	CCS-RW100M-15	CCS-RW100T-15	CCS-RW100W-15	CCS-RW268-15	CCS-RW268T-15
		SAMPLE IS A FIELD DUP. OF 253042903W			SAMPLE IS A FIELD DUP. OF 2530429030					
1	Chloromethane									
1	Bromomethane									
1	*Vinyl Chloride									
1	Chloroethane									
2	*Methylene Chloride			0.7 B					0.8 B	0.7 B
5	Acetone	R	R	R	R	R	R	R	R	R
1	Carbon Disulfide		1 B							
1	*1,1-Dichloroethene	31			32			3		
1	1,1-Dichloroethane	4	4		4					
1	*cis-1,2-Dichloroethene									
1	*trans-1,2-Dichloroethene									
1	Chloroform									
1	*1,2-Dichloroethane									
5	*2-Butanone	R	R	R	R	R	R	R	R	R
1	Bromochloromethane									
1	*1,1,1-Trichloroethane	40	18		39			5		
1	*Carbon Tetrachloride									
1	Bromodichloromethane									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/29/96 - 4/30/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

SDG#: 00021

Wetzel → | Hallman → | Fleck →

ARO00362

CRQL	COMPOUND	253042903D	253042903M	253042903T	253042903W	253043000M	253043000T	243043000W	253043068M	253043068T
	Sample No.	253042903D	253042903M	253042903T	253042903W	253043000M	253043000T	243043000W	253043068M	253043068T
	Dilution Factor	3.1	1.0	1.0	2.1	1.0	1.0	1.0	1.0	1.0
	Location	CCD-RW103W-15	CCS-RW103M-15	CCS-RW103T-15	CCS-RW103W-15	CCS-RW100M-15	CCS-RW100T-15	CCS-RW100W-15	CCS-RW268-15	CCS-RW268T-15
		SAMPLE IS A FIELD DUP. OF 253042903W			SAMPLE IS A FIELD DUP. OF 253042903D					
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene	3			3					
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene	2 J			2					
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

DATA SUMMARY FORM: VOLATILES 1

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/29/96 - 4/30/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

SDG#: 00021

Fleck | Greenley | Straube → | Bauer →

AR000363

CRQL	COMPOUND	253043068W	253043073W	253043074D	253043074M	253043074T	253043074W	253043089M	253043089T	253043089W
	Sample No.	253043068W	253043073W	253043074D	253043074M	253043074T	253043074W	253043089M	253043089T	253043089W
	Dilution Factor	1.0	4.5	3.1	1.0	1.0	3.6	1.0	1.0	1.2
	Location	CCS-RW268W-15	CCS-RW73W-15	CCD-RW74W-15	CCS-RW74M-15	CCS-RW74T-15	CCS-RW74W-15	CCS-RW89M-15	CCS-RW89T-15	CCS-RW89W-15
				SAMPLE IS A FIELD DUP. OF 253043074W			SAMPLE IS A FIELD DUP. OF 253043074D			
1	Chloromethane									
1	Bromomethane									
1	*Vinyl Chloride									
1	Chloroethane									
2	*Methylene Chloride	1 B				0.6 B				0.7 B
5	Acetone	R	R	R	R	R	R	R	R	R
1	Carbon Disulfide									
1	*1,1-Dichloroethene		50	55			49			14
1	1,1-Dichloroethane		16	5			4			2
1	*cis-1,2-Dichloroethene									
1	*trans-1,2-Dichloroethene									
1	Chloroform									
1	*1,2-Dichloroethane									
5	*2-Butanone	R	R	R	R	R	R	R	R	R
1	Bromochloromethane									
1	*1,1,1-Trichloroethane		74	48			46	6		19
1	*Carbon Tetrachloride									
1	Bromodichloromethane									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/29/96 - 4/30/96

SDG#: 00021

To calculate sample quantitation limits: (CRDL * Dilution Factor)

		Fleck	Greenley	Straube				Bauer		
	Sample No.	253043068W	253043073W	253043074D	253043074M	253043074T	253043074W	253043089M	253043089T	253043089W
	Dilution Factor	1.0	4.5	3.1	1.0	1.0	3.6	1.0	1.0	1.2
	Location	CCS-RW268W-15	CCS-RW73W-15	CCD-RW74W-15	CCS-RW74M-15	CCS-RW74T-15	CCS-RW74W-15	CCS-RW89M-15	CCS-RW89T-15	CCS-RW89W-15
				SAMPLE IS A FIELD DUP. OF 253043074W			SAMPLE IS A FIELD DUP. OF 253043074D			
CRQL	COMPOUND									
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene		8							2
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									2
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene		5							1
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene					2				
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

AR000364

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/29/96 - 4/30/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

SDG#: 00021

R000365

CRQL	COMPOUND	2530430FB2		2530430TB2													
	Sample No.	2530430FB2		2530430TB2													
	Dilution Factor	1.0		1.0													
	Location	CCS-FQ0430-15		CCS-TQ0430-15													
		SAMPLE IS A FIELD BLANK.		SAMPLE IS A TRIP BLANK.													
1	Chloromethane																
1	Bromomethane																
1	*Vinyl Chloride																
1	Chloroethane																
2	*Methylene Chloride																
5	Acetone		R		R												
1	Carbon Disulfide			6	J												
1	*1,1-Dichloroethene																
1	1,1-Dichloroethane																
1	*cis-1,2-Dichloroethene																
1	*trans-1,2-Dichloroethene																
1	Chloroform																
1	*1,2-Dichloroethane																
5	*2-Butanone		R		R												
1	Bromochloromethane																
1	*1,1,1-Trichloroethane																
1	*Carbon Tetrachloride																
1	Bromodichloromethane																

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/29/96 - 4/30/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

SDG#: 00021

AR000366

CRQL	COMPOUND	2530430FB2	2530430TB2							
	Sample No.	2530430FB2	2530430TB2							
	Dilution Factor	1.0	1.0							
	Location	CCS-FQ0430-15	CCS-TQ0430-15							
		SAMPLE IS A FIELD BLANK.	SAMPLE IS A TRIP BLANK.							
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene									
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone									
5	2-Hexanone	R	R							
1	*Tetrachloroethene									
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS
revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/30/96 - 5/1/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

SDG#: 00041

Olock → | Greenley → | Hall →

CRQL	COMPOUND	253043051D		253043051M		253043051T		253043051W		253043073M		253043073T		253050105M		253050105T		253050105W	
	Sample No.	253043051D		253043051M		253043051T		253043051W		253043073M		253043073T		253050105M		253050105T		253050105W	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		12.5		1.0		3.3	
	Location	CCD-RW451W-15		CCS-RW451M-15		CCS-RW451T-15		CCS-RW451W-15		CCS-RW73M-15		CCS-RW73T-15		CCS-RW105M-15		CCS-RW105T-15		CCS-RW105W-15	
		SAMPLE IS A FIELD DUP. OF 253043051W						SAMPLE IS A FIELD DUP. OF 253043051D											
1	Chloromethane													11	J				
1	Bromomethane																		
1	*Vinyl Chloride																		
1	Chloroethane																		
2	*Methylene Chloride	2	B													0.6	B		
5	Acetone		R		R		R		R		R		R		R		R		R
1	Carbon Disulfide																		
1	*1,1-Dichloroethene							1						46				24	
1	1,1-Dichloroethane													24				7	
1	*cis-1,2-Dichloroethene																		
1	*trans-1,2-Dichloroethene																		
1	Chloroform																		
1	*1,2-Dichloroethane																		
5	*2-Butanone		R		R		R		R		R		R		R		R		R
1	Bromochloromethane																		
1	*1,1,1-Trichloroethane							0.7	J					22				57	
1	*Carbon Tetrachloride																		
1	Bromodichloromethane																		

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

AR000367

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/30/96 - 5/1/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

SDG# 00041

AR000368

Olock → | Greenley → | Hall →

CRQL	COMPOUND	253043051D	253043051M	253043051T	253043051W	253043073M	253043073T	253050105M	253050105T	253050105W
	Sample No.	253043051D	253043051M	253043051T	253043051W	253043073M	253043073T	253050105M	253050105T	253050105W
	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	12.5	1.0	3.3
	Location	CCD-RW451W-15	CCS-RW451M-15	CCS-RW451T-15	CCS-RW451W-15	CCS-RW73M-15	CCS-RW73T-15	CCS-RW105M-15	CCS-RW105T-15	CCS-RW105W-15
		SAMPLE IS A FIELD DUP. OF 253043051W			SAMPLE IS A FIELD DUP. OF 253043051D					
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene							9 J		4
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene							230		
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone	UJ								UJ
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene									2 J
1	1,1,2,2-Tetrachloroethane									
1	*Toluene							27		
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes							17		
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/30/96 - 5/1/96

To calculate sample quantitation limits:
CRDL * Dilution Factor

SDG#: 00041

Schlittler → | Graham → | Kountry Kitchen | Mike's Service Station →

AR000369

CRQL	COMPOUND	253050116D	253050116M	253050116T	253050116W	253050120D	253050120T	253050166T	253050188M	253050188T
	Sample No.	253050116D	253050116M	253050116T	253050116W	253050120D	253050120T	253050166T	253050188M	253050188T
	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Location	CCD-RW116W-15	CCS-RW116M-15	CCS-RW116T-15	CCS-RW116W-15	CCD-RW120T-15	CCS-RW120T-15	CCS-RW166T-15	CCS-RW188M-15	CCS-RW188T-15
		SAMPLE IS A FIELD DUP. OF 253050116W			SAMPLE IS A FIELD DUP. OF 253050116D	SAMPLE IS A FIELD DUP. OF 253050120T	SAMPLE IS A FIELD DUP. OF 253050120D			
1	Chloromethane									
1	Bromomethane									
1	*Vinyl Chloride									
1	Chloroethane									
2	*Methylene Chloride	0.6 B	0.5 B	1 B						
5	Acetone	R	R	R	R	R	R	R	R	R
1	Carbon Disulfide									
1	*1,1-Dichloroethene	5			7					
1	1,1-Dichloroethane	1			1					
1	*cis-1,2-Dichloroethene									
1	*trans-1,2-Dichloroethene									
1	Chloroform							0.8 J		
1	*1,2-Dichloroethane									
5	*2-Butanone	R	R	R	R	R	R	R	R	R
1	Bromochloromethane									
1	*1,1,1-Trichloroethane	10			9	1	1			
1	*Carbon Tetrachloride									
1	Bromodichloromethane									

RQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/30/96 - 5/1/96

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

SDG#: 00041

Schlittler → | Graham → | Kountry Kitchen | Mike's Service Station

AR000370

CRQL	COMPOUND	253050116D	253050116M	253050116T	253050116W	253050120D	253050120T	253050166T	253050188M	253050188T
	Sample No.	253050116D	253050116M	253050116T	253050116W	253050120D	253050120T	253050166T	253050188M	253050188T
	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Location	CCD-RW116W-15	CCS-RW116M-15	CCS-RW116T-15	CCS-RW116W-15	CCD-RW120T-15	CCS-RW120T-15	CCS-RW166T-15	CCS-RW188M-15	CCS-RW188T-15
		SAMPLE IS A FIELD DUP. OF 253050116W			SAMPLE IS A FIELD DUP. OF 253050116D	SAMPLE IS A FIELD DUP. OF 253050120T	SAMPLE IS A FIELD DUP. OF 2530501200			
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene	0.9 J			0.7 J					
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform							0.6 J		
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone					UJ			UJ	UJ
5	2-Hexanone	R	R	R	R	R	R	R	R	R
1	*Tetrachloroethene	0.5 J								
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/30/96 - 5/1/96

SDG#: 00041

Mike's Service Station

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

AR000037

	Sample No.	253050188W	2530501TB3							
	Dilution Factor	1.0	1.0							
	Location	CCS-RW188W-15	CCS-TQ0501-15							
			SAMPLE IS A TRIP BLANK.							
CRQL	COMPOUND									
1	Chloromethane									
1	Bromomethane									
1	*Vinyl Chloride									
1	Chloroethane									
2	*Methylene Chloride	0.5 B								
5	Acetone	R	R							
1	Carbon Disulfide									
1	*1,1-Dichloroethene									
1	1,1-Dichloroethane									
1	*cis-1,2-Dichloroethene									
1	*trans-1,2-Dichloroethene									
1	Chloroform									
1	*1,2-Dichloroethane									
5	*2-Butanone	R	R							
1	Bromochloromethane									
1	*1,1,1-Trichloroethane									
1	*Carbon Tetrachloride									
1	Bromodichloromethane									

RQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS
revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 4/30/96 - 5/1/96

SDG#: 00041

Mike's Service Station

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

	Sample No.	253050188W	2530501TB3							
	Dilution Factor	1.0	1.0							
	Location	CCS-RW188W-15	CCS-TQ0501-15							
			SAMPLE IS A TRIP BLANK.							
CRQL	COMPOUND									
1	*1,2-Dichloropropane									
1	Cis-1,3-Dichloropropene									
1	Trichloroethene									
1	Dibromochloromethane									
1	1,1,2-Trichloroethane									
1	*Benzene									
1	Trans-1,3-Dichloropropene									
1	Bromoform									
1	1,2-Dibromoethane									
5	4-Methyl-2-pentanone	UJ	UJ							
5	2-Hexanone	R	R							
1	*Tetrachloroethene									
1	1,1,2,2-Tetrachloroethane									
1	*Toluene									
1	*Chlorobenzene									
1	*Ethylbenzene									
1	*Styrene									
1	*Total Xylenes									
1	1,2-Dibromo-3-Chloropropane									
1	1,3-Dichlorobenzene									
1	1,4-Dichlorobenzene									
1	1,2-Dichlorobenzene									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS
revised 05/94

B00372

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 5/1/96

SDG# 00061

A0003373

Bohn Reigner | Witman → | Mrs. Garber

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

	Sample No.	253050155T	253050169T	253050171M	253050171T	253050171W	253050199T	2530501FB3		
	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
	Location	CCS-RW455T-15	CCS-RW69T-15	CCS-RW71M-15	CCS-RW71T-15	CCS-RW71W-15	CCS-RW299T-15	CCS-FQ0501-15		
								SAMPLE IS A FIELD BLANK.		
CRQL	COMPOUND									
1	Chloromethane									
1	Bromomethane									
1	*Vinyl Chloride									
1	Chloroethane									
2	*Methylene Chloride	0.5 B	0.7 B	0.6 B	0.9 B	0.6 B	0.5 B			
5	Acetone	R	R	R	R	R	R	R		
1	Carbon Disulfide									
1	*1,1-Dichloroethene									
1	1,1-Dichloroethane									
1	*cis-1,2-Dichloroethene									
1	*trans-1,2-Dichloroethene									
1	Chloroform									
1	*1,2-Dichloroethane									
5	*2-Butanone	R	R	R	R	R	R	R		
1	Bromochloromethane									
1	*1,1,1-Trichloroethane									
1	*Carbon Tetrachloride									
1	Bromodichloromethane									

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS
revised 05/94

Site Name: Cryochem

WATER SAMPLES
(ug/L)

DAS #: R3253 Sampling Date(s): 5/1/96

SDG#: R00061

To calculate sample quantitation limits:
(CRDL * Dilution Factor)

	Bohn	Reigner	Witman			Mrs. Garber			
Sample No.	253050155T	253050169T	253050171M	253050171T	253050171W	253050199T	2530501FB3		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Location	CCS-RW455T-15	CCS-RW69T-15	CCS-RW71M-15	CCS-RW71T-15	CCS-RW71W-15	CCS-RW299T-15	CCS-FQ0501-15		
							SAMPLE IS A FIELD BLANK.		

CRQL	COMPOUND																				
1	*1,2-Dichloropropane																				
1	Cis-1,3-Dichloropropene																				
1	Trichloroethene																				
1	Dibromochloromethane																				
1	1,1,2-Trichloroethane																				
1	*Benzene																				
1	Trans-1,3-Dichloropropene																				
1	Bromoform																				
1	1,2-Dibromoethane																				
5	4-Methyl-2-pentanone				UJ								UJ		UJ						
5	2-Hexanone		R		R		R		R		R		R		R						
1	*Tetrachloroethene																				
1	1,1,2,2-Tetrachloroethane																				
1	*Toluene																				
1	*Chlorobenzene																				
1	*Ethylbenzene																				
1	*Styrene																				
1	*Total Xylenes																				
1	1,2-Dibromo-3-Chloropropane																				
1	1,3-Dichlorobenzene																				
1	1,4-Dichlorobenzene																				
1	1,2-Dichlorobenzene																				

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS
revised 05/94

R00374

Cryochem OU1

Analytical Results

Round 16

Date Sampled: June 11, 1996

Resample

ATA SUMMARY FORM: VOLATILES
WATER SAMPLES (µg/L)
CRYOCHEM OU1 SITE

CASE MB109		Sampling Date: June 11, 1996											
RESIDENT NAME		Diener			Ankrom			Bauer			Wetzel		
Sample Number	Detection Limit	CCS-RW-104W-16	CCS-RW-104M-16	CCS-RW-104T-16	CCS-RW-102W-16	CCS-RW-102M-16	CCS-RW-102T-16	CCS-RW-89W-16	CCS-RW-89M-16	CCS-RW-89T-16	CCS-RW-103W-16	CCS-RW-103M-16	CCS-RW-103T-16
Location of Sample		Well	Midpoint	Tap	Well	Midpoint	Tap	Well	Midpoint	Tap	Well	Midpoint	Tap
Dilution Factor		1	1	1	2.5	1/2	1	1/1.2	1	1	2.5	1	1
All units in µg/L													
Chloromethane	1		0.4 J									0.4 J	
Vinyl Chloride	1												
Bromomethane	1												
Chloroethane	1												
Acetone	5	3 JB	4 JB										
1,1-Dichloroethene	1	13			26			10			24		
Carbon Disulfide	1												
Methylene Chloride	2		0.6 JB		1 JB	0.4 JB			0.7 JB	0.4 JB			
trans-1,2-Dichloroethene	1												
1,1-Dichloroethane	1	2			5			3			5		
2-Butanone	5												
cis-1,2-Dichloroethene	1												
Chloroform	1												
Bromochloromethane	1												
1,1,1-Trichloroethane	1	21			49			28			44		
Carbon Tetrachloride	1												
Benzene	1				26			0.4 J					
1,2-Dichloroethane	1												
Trichloroethene	1	2			4			2			3		
1,2-Dichloropropane	1												
Bromodichloromethane	1												
4-Methyl-2-pentanone	5												
cis-1,3-Dichloropropene	1												
Toluene	1												
trans-1,3-Dichloropropene	1												
1,1,2,-Trichloroethane	1												
2-Hexanone	5												
Tetrachloroethene	1	1			2 J			1			2 J		
Dibromochloromethane	1												
1,2-Dibromoethane (EDB)	1												
Chlorobenzene	1												
Ethylbenzene	1												
Total Xylenes	1				2 J								
Styrene	1												
Bromoform	1												
1,1,1,2-Tetrachloroethane	1												
1,3-Dichlorobenzene	1												
1,4-Dichlorobenzene	1												
1,2-Dichlorobenzene	1												
1,2-Dibromo-3-chloropropane	1												

* Results from diluted sample

AR000376

CASE MB109				
RESIDENT NAME	Hall			
Sample Number	CCS-RW-105W-16	CCS-RW-105M-16	CCD-RW-105M-16	CCS-RW-105T-16
Location of Sample	Well	Midpoint	Midpoint	Tap
Dilution Factor	4	1	1	1
All units in µg/L		Duplicate Samples		
Chloromethane				
Vinyl Chloride				
Bromomethane		0.5 J	0.4 J	
Chloroethane				
Acetone				
1,1-Dichloroethene	18			
Carbon Disulfide				
Methylene Chloride				
trans-1,2-Dichloroethene				
1,1-Dichloroethane	6			
2-Butanone				
cis-1,2-Dichloroethene				
Chloroform				
Bromochloromethane				
1,1,1-Trichloroethane	60			
Carbon Tetrachloride				
Benzene				
1,2-Dichloroethane				
Trichloroethene	4			
1,2-Dichloropropane				
Bromodichloromethane				
4-Methyl-2-pentanone				
cis-1,3-Dichloropropene				
Toluene				
trans-1,3-Dichloropropene				
1,1,2,-Trichloroethane				
2-Hexanone				
Tetrachloroethene	2 J			
Dibromochloromethane				
1,2-Dibromoethane (EDB)				
Chlorobenzene				
Ethylbenzene				
Total Xylenes				
Styrene				
Bromoform				
1,1,1,2-Tetrachloroethane				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
1,2-Dichlorobenzene				
1,2-Dibromo-3-chloropropane				

* Results from diluted sample

Appendix C

Table of Filter Changeouts

CRYOCHEM OU1
RESIDENTIAL WELL SAMPLING
104971.DS.EM

Resident (Area Code 610)	Box No.	Date Sampled	Date Carbon Replaced	Next Sample Date	Number of Samples to Collect	Comments
Ankrom [redacted]	102	10/92 9/93 4/95 5/96	1 Filter, 10/93 1 Filter, 5/96	5/97		Day-care mother - 2-6 children/day 2 adults, 2 or 3 live-in children
Bauer [redacted]	89	10/92 9/93 7/94 4/95 11/95 5/96	1 Filter, 10/93 1 Filter, 5/96	5/97		2 older adults Leonard & Jennette Dog (Dusty) Has third canister 89 Sunrise Lane
Benyo [redacted]	107	10/92 9/93 4/95 11/95 5/96		11/96	3	2 older adults Has a third filter 107 Fancy Hill Road
Hall (was Davidson) [redacted]	105	10/92 9/93 7/94 4/95 11/95 5/96	Both Filters, 10/93 1 Filter, 5/96	5/97		Gladys, older woman Has softener and third canister 105 Fancy Hill Road
[redacted]ener [redacted]	104	10/92 9/93 4/95 5/96	1 Filter, 10/93 1 Filter, 5/96	5/97		2 older adults
Geisinger [redacted]	106	10/92 9/93 4/95 11/95 5/96		11/96	3	Mr. Geisinger is deaf. Contact via mail or neighbor 1 older man Has third canister 106 Fancy Hill Road
Schittler (F. Henry) (was Gilbert) [redacted]	116	10/92 9/93 4/95 5/96	Both filters 4/25/95	11/96	3	Father of owner (Mr. Henry) indicated low pressure at tap because of clogged filters. Mr. Henry @ 367-6835 (Mrs. Schittler is his daughter.)
Greenley [redacted]	73	10/92 9/93 4/95 5/96	1 filter 4/21/95	11/96	3	1 older woman Dog
Minninger [redacted]	101	10/92 9/93 4/95 5/96	1 Filter, 10/22/92 1 Filter, 10/93 1 Filter, 4/21/95	11/96	3	2 adults, 1 young child/day Pool; sensitive skin
Straube [redacted]	74	10/92 3/93 9/93 4/95 5/96	1 Filter, 10/22/92 1 Filter, 3/25/93 Both Filters, 10/93	11/96	3	Reverend 2 older adults

AR000379

CRYOCHEM OU1
RESIDENTIAL WELL SAMPLING
104971.DS.EM

Resident (Area Code 610)	Box No.	Date Sampled	Date Carbon Replaced	Next Sample Date	Number of Samples to Collect	Comments
Weidner [redacted]	72	10/92 9/93 4/95 11/95	 1 Filter, 12/7/95	11/96	3	2 older adults Has extra tank Box 72, Route 562, Boyertown Pike.
Mike's Service Center [redacted]	188	10/92 3/93 9/93 7/94 4/95 5/96	Both Filters, 3/25/93 1 Filter, 4/23/93 1 Filter, 4/21/95	11/96	3	Owner: Mike Velazquez 1 - 3 workers daily
Fleck [redacted]	268	10/92 3/93 9/93 7/94 4/95 11/95 5/96		11/96	3	2 adults Box 268, RD7, Route 562, Boyertown Pike
Goodhart [redacted]	108	10/92 3/93 9/93 4/95 11/95	 1 Filter, 10/93 1 Filter, 12/7/95 1 Filter, 1/96	11/96	3	2 adults, 2 teens; active family 108 Fancy Hill Road
Hallman [redacted]	100	10/92 3/93 9/93 4/95 5/96	1 Filter, 3/25/93 1 Filter, 4/23/93 1 Filter, 10/93 1 Filter, 4/21/95	11/96	3	Single parent, 2 children
Olock [redacted]	451	10/92 3/93 9/93 7/94 8/94 4/95 5/96	 1 Filter, 7/94 1 Filter, 4/21/95	11/96	3	2 older adults, 1 young child/day
Witman (was Romich) [redacted]	71	10/92 3/93 9/93 7/94 4/95 11/95 5/96		11/96	3	2 adults, 1 child, 1 dog
Dicindio [redacted]	88	10/92 3/93 9/93 7/94 4/95 11/95	1 Filter, 10/22/92 1 Filter, 3/25/93 1 Filter, 10/93 1 Filter, 7/94 1 Filter, 4/21/95 1 Filter, 12/7/95	11/96	3	2 adults, 3 children; huge pool, pets; Very active family Has softener and third canister 88 Sunrise Lane

AR000380

CRYOCHEM OU1
RESIDENTIAL WELL SAMPLING
104971.DS.EM

Resident (Area Code 610)	Box No.	Date Sampled	Date Carbon Replaced	Next Sample Date	Number of Samples to Collect	Comments
Garber [redacted]	82	10/92 3/93 9/93 4/95 11/95	1 Filter, 10/22/92 1 Filter, 3/25/93 1 Filter, 10/93 1 Filter, 4/21/95 1 Filter, 12/7/95	11/96	3	Debra & Randall Work:369-0289 2 adults, 3 children, 3 animals Has a softener and a third filter Box 82, Route 562, Boyertown Pike
Wetzel (was Miller) [redacted]	103	10/92 3/93 9/93 7/94 4/95 11/95 5/96	Both Filters, 10/22/92 Both Filters, 10/93 UV Unit, 7/94 1 Filter, 5/96; leak 7/96	5/97		John and Judy 103 Fancy Hill Road (RD #2, Box 103) Has third canister
MONITOR ONLY:						
Kountry Kitchen	66	10/92 3/93 9/93 7/94 4/95 11/95 5/96		11/96	1	Does not have GAC filters Box 66, Route 562, Boyertown Pike Has non-site related contaminants
Dierolf [redacted]	67			11/96	1	Ruth, work 367-6047 67 Garber Road Rental property, now unoccupied Water and power off
Garber	299 (was 76)	11/95 5/96		11/96	1	Box 299, Route 562, 7929 Boyertown Pike
Reigner	69	11/95 5/96		11/96	1	Mr. and Mrs. Sampled at outside spigot Box 69, Route 562, Boyertown Pike
Bergeman [redacted]	114	11/95 5/96		11/96	1	Richard, Jr. Declined at first (1991?) to be monitored; now has filled out form. Has a filter system, changes filters when fish die
Hinaman [redacted]	115	11/95 5/96		11/96	1	Has no filter system. Theodore & Esther Hinaman. 115 Garber Road
Bohn [redacted]	455	4/95 11/95 5/96		11/96	1	Sample collected from garage Box 455, Route 562, Sunrise Lane Mr. Kermit Bohn.
Graham [redacted]	120	5/95 5/96		11/96	1	New resident. No filter system RD #2 Box 120, Sunrise Lane Carlton works 825-2100 from 7am-3pm Trace contaminants found

Last update: July 26, 1996

AR000381

Appendix D

Residential Well Installation Details
(From JACA Report of RI-FS)

WELL DATA COMPILED BY C.S. GARBER INC.
WORMAN RESIDENTIAL WELLS

Well Reference #	P.O. Box #	Total Depth (Feet)	Casing Depth (Feet)	Exposed Borehole (Feet)	Yield (GPM)	Yield ÷ Borehole X10
1	76	193	42	151	15	1.0
2	451	84	23	61	5	0.8
3	454	100	40	60	5	0.8
4	-	95	72	23	50	2.2
5	64	-	-	-	-	-
6	267	61	32	29	7	2.4
7	113	285	92	193	4	0.2
8	114	101	98	3	50	167
9	63	255	125	130	-	-
10	112	280/215	84/99	196/116	12/4	0.6/0.3
11	62	190/213	104/94	86/119	4/6	0.5/0.5
12	110	219	109	110	7.5	0.7
13	109	97	96	1	10	100
14	104	97	94	3	100	330
15	116	100	77	23	100	43
16	see note on fig.	100	17	83	100	12
17	see note on fig.	80	28	52	15	3
18	107	60	33	27	50	18
19	101	50	27	23	50	18
20	105	180	23	157	5	0.3
21	see note on fig.	50	27	23	60	26
22	82	107	60	47	6.5	1.4
23	115	223	98	125	6	0.5
24	100	67	18	49	16	3.3
25	88	64	61	3	30	100
26	89	60	40	20	75	37
27	69	99	14	75	6	0.8
28	71	80	26	54	6	1.1
29	72	70/145	39/98	31/47	40/15	13/3.2
30	73	-	-	-	-	-
31	74	98	27	71	8	1.1
32	CP-1	154	33	124	30	2.4
33	CP-2	166	25	141	90	6.4
34	QH-1	251	43	208	2	0.1

Appendix E

Comparison of Wellwater with MCLs

Cryochem OU1
Results of Residential Well Sampling
Concentrations in micrograms/liter (µg/L)

		Fall 1992 Rounds 1-2 9&11/92	Spring 1993 Rounds 3-5 3&4/93	Fall 1993 Rounds 6-8 10&11/93,1/94	Summer 1994 Rounds 9-10 '7&8/94	Spring 1995 Rounds 11-12 4&5/95	Fall 1995 Rounds 13-14 11&12/95	Spring 1996 Rounds 15-16 4&5/96
71 Witman	DCA	-	-	-	-	-	1	-
	DCE	-	2	-	-	-	4	-
	PCE	-	-	-	-	-	-	-
	TCA	-	3	5	1.4	4	9	-
	TCE	-	-	-	-	-	-	-
	Other	-	-	-	-	-	-	
72 Weidner	DCA	36	NS	29	NS	37	28	NS
	DCE	66	NS	52	NS	100	71	NS
	PCE	-	NS	-	NS	3	3	NS
	TCA	120	NS	91	NS	170	87	NS
	TCE	-	NS	-	NS	9	7	NS
	Other	-	NS	-	NS	-	-	NS
73 Greenley	DCA	47	NS	33	NS	14	NS	16
	DCE	230	NS	150	NS	78	NS	50
	PCE	-	NS	-	NS	-	NS	5
	TCA	420	NS	270	NS	120	NS	74
	TCE	31	NS	20	NS	8	NS	8
	Other	-	NS	-	NS	-	NS	-
74 Straube	DCA	15	7	8	NS	8	NS	5
	DCE	160	52	48	NS	67	NS	55
	PCE	-	-	-	NS	-	NS	-
	TCA	120	110	130	NS	88	NS	48
	TCE	20	-	-	NS	-	NS	-
	Other	-	-	-	NS	-	NS	-
82 Garber	DCA	9	4	4	NS	5	6	NS
	DCE	27	22	16	NS	11	19	NS
	PCE	-	-	-	NS	-	2	NS
	TCA	68	45	36	NS	42	46	NS
	TCE	-	2	2	NS	1	3	NS
	Other	-	-	-	NS	-	-	NS
88 Dicindio	DCA	16	7	9	7.8	11	9	NS
	DCE	110	60	62	45	51	52	NS
	PCE	-	-	-	2.8	-	3	NS
	TCA	220	99	120	63.9	84	84	NS
	TCE	11	5	7	5.4	5	6	NS
	Other	-	-	-	-	-	-	NS
89 Bauer	DCA	7	NS	6	-	5	5	2
	DCE	49	NS	26	-	37	32	14
	PCE	-	NS	-	-	-	2	1
	TCA	43	NS	76	-	55	47	19
	TCE	-	NS	4	-	-	4	2
	Other	-	NS	-	-	-	-	Benzene
100 Hallman	DCA	1	1	NS	NS	-	NS	-
	DCE	3	7	NS	NS	3	NS	3
	PCE	-	-	NS	NS	-	NS	-
	TCA	14	22	NS	NS	14	NS	5
	TCE	-	-	NS	NS	-	NS	-
	Other	T-2;X-2	-	NS	NS	-	NS	-
101 Minninger	DCA	7	NS	6	NS	6	NS	4
	DCE	35	NS	27	NS	33	NS	27
	PCE	1	NS	-	NS	2	NS	1
	TCA	70	NS	69	NS	71	NS	32
	TCE	3	NS	-	NS	-	NS	3
	Other	-	NS	-	NS	-	NS	-
102 Ankrom	DCA	10	NS	6	NS	6	NS	5
	DCE	40	NS	23	NS	43	NS	35
	PCE	-	NS	-	NS	-	NS	2
	TCA	120	NS	84	NS	68	NS	43
	TCE	6	NS	-	NS	-	NS	4

AR000385

Cryochem OU1
Results of Residential Well Sampling
Concentrations in micrograms/liter (µg/L)

		Fall 1992 Rounds 1-2 9&11/92	Spring 1993 Rounds 3-5 3&4/93	Fall 1993 Rounds 6-8 10&11/93,1/94	Summer 1994 Rounds 9-10 '7&8/94	Spring 1995 Rounds 11-12 4&5/95	Fall 1995 Rounds 13-14 11&12/95	Spring 1996 Rounds 15-16 4&5/96
	Other	-	NS	-	NS	-	NS	Benzene,Xylene
103 Wetzel	DCA	5	7	5	5.5	7	4	4
	DCE	**47**	**28**	**32**	16.9	**35**	**20**	**32**
	PCE	-	-	-	1.6	-	1	2
	TCA	130	85	75	45.9	58	34	40
	TCE	-	4	-	3.3	-	2	3
	Other	-	-	-	-	-	-	-
104 Diener	DCA	10	NS	4	NS	5	NS	3
	DCE	**63**	NS	**26**	NS	**32**	NS	**18**
	PCE	-	NS	-	NS	-	NS	1
	TCA	97	NS	47	NS	53	NS	20
	TCE	**6**	NS	3	NS	3	NS	2
	Other	-	NS	-	NS	-	NS	-
105 Hall	DCA	-	NS	8	6.7	8	5	24
	DCE	-	NS	**42**	**38.5**	**33**	**24**	**46**
	PCE	-	NS	5	1.7	-	1	-
	TCA	-	NS	100	54.8	75	44	22
	TCE	-	NS	-	4	-	3	**9**
	Other	-	NS	-	-	-	-	B,T,X,CH_3Cl
106 Geisinger	DCA	5	NS	8	NS	6	5	4
	DCE	**66**	NS	**37**	NS	**36**	**32**	**34**
	PCE	-	NS	5	NS	-	2	2
	TCA	64	NS	95	NS	63	50	37
	TCE	-	NS	-	NS	-	4	3
	Other	-	NS	-	NS	-	-	-
107 Benyo	DCA	-	NS	6	NS	6	6	4
	DCE	**32**	NS	**27**	NS	**33**	**32**	**26**
	PCE	-	NS	-	NS	-	2	1
	TCA	110	NS	74	NS	73	54	33
	TCE	-	NS	-	NS	-	4	3
	Other	-	NS	-	NS	-	-	-
108 Goodhart	DCA	3	3	2	NS	3	3	NS
	DCE	**13**	**18**	**10**	NS	**13**	**12**	NS
	PCE	-	-	-	NS	-	-	NS
	TCA	23	37	19	NS	27	20	NS
	TCE	2	2	1	NS	-	1	NS
	Other	-	-	-	NS	-	CS_2	NS
116 Schittler	DCA	NS	NS	-	NS	4	NS	1
	DCE	NS	NS	3	NS	**27**	NS	5
	PCE	NS	NS	-	NS	-	NS	-
	TCA	NS	NS	10	NS	46	NS	10
	TCE	NS	NS	-	NS	-	NS	-
	Other	NS	NS	-	NS	-	NS	-
188 Mike's Service Station	DCA	48	28	30	31.9	32	NS	-
	DCE	**76**	**80**	**59**	**36.6**	**59**	NS	-
	PCE	-	-	-	1.3	2	NS	-
	TCA	90	110	71	40	64	NS	-
	TCE	5	5	4	3.6	4	NS	-
	Other	-	-	-	-	-	NS	-
268 Fleck	DCA	-	-	-	-	-	-	-
	DCE	-	-	-	-	-	-	-
	PCE	-	-	-	-	-	-	-
	TCA	-	-	-	-	-	-	-
	TCE	-	-	-	-	-	-	-
	Other	-	-	-	-	-	-	-
451 Olock	DCA	-	2	1	9.3	15	NS	-
	DCE	-	3	2	**18.1**	**41**	NS	1
	PCE	-	-	-	-	-	NS	-

Cryochem OU1
Results of Residential Well Sampling
Concentrations in micrograms/liter (µg/L)

		Fall 1992 Rounds 1-2 9&11/92	Spring 1993 Rounds 3-5 3&4/93	Fall 1993 Rounds 6-8 10&11/93,1/94	Summer 1994 Rounds 9-10 '7&8/94	Spring 1995 Rounds 11-12 4&5/95	Fall 1995 Rounds 13-14 11&12/95	Spring 1996 Rounds 15-16 4&5/96
	TCA	-	6	3	15.7	48	NS	-
	TCE	-	-	-	-	-	NS	-
	Other	CS_2-14	-	-	-	-	NS	-

Notes:
Concentrations are the highest found in residence: sample, duplicate, or resample.
Concentrations below 1 ppb are not within the calibrated range of the instrument and have not been recorded.
The ESD document states, "If the results from two consecutive years of sampling of untreated well water (a minimum of three sampling events), as reviewed in accordance with Section 121(c) of CERCLA, 42 U.S.C. 9621(c), show that the water contains substances within the Maximum Contaminant Levels, then that water shall be considered to be within limits considered safe."
Maximum Contaminant Levels (MCLs) for the contaminants of concern at Cryochem:

1,1-Dichloroethane	(DCA)	None
1,1-Dichloroethene	(DCE)	7 µg/L
Tetrachloroethene	(PCE)	5 µg/L
1,1,1-Trichloroethane	(TCA)	200 µg/L
Trichloroethene	(TCE)	5 µg/L

Concentrations exceeding the MCL have been shaded.
Compounds listed in "Other" column are benzene (B), toluene (T), xylene (X), carbon disulfide (CS_2), and chloromethane (CH_3Cl).
NS - Not sampled during this round.

AR000387

Cryochem OU1
Results of Residential Well Sampling
Concentrations in micrograms/liter (µg/L)

		Fall 1992 Rounds 1-2 9&11/92	Spring 1993 Rounds 3-5 3&4/93	Fall 1993 Rounds 6-8 10&11/93,1/94	Summer 1994 Rounds 9-10 '7&8/94	Spring 1995 Rounds 11-12 4&5/95	Fall 1995 Rounds 13-14 11&12/95	Spring 1996 Rounds 15-16 4&5/96
Monitoring only - no system supplied by EPA:								
66 Kountry Kitchen	DCA	-	-	-	-	-	-	-
	DCE	-	-	-	-	-	-	-
	PCE	-	-	-	-	-	-	-
	TCA	-	-	-	-	-	-	-
	TCE	-	-	-	-	-	-	-
	Other	-	-	-	-	-	$CHCl_3$,$BrCl_2CH$	$CHCl_3$,$CHBr_3$
120 Graham	DCA	NS	NS	NS	NS	-	NS	-
	DCE	NS	NS	NS	NS	-	NS	-
	PCE	NS	NS	NS	NS	-	NS	-
	TCA	NS	NS	NS	NS	2	NS	1
	TCE	NS	NS	NS	NS	-	NS	-
	Other	NS	NS	NS	NS	-	NS	-
455 Bohn	DCA	NS	NS	NS	NS	-	-	-
	DCE	NS	NS	NS	NS	-	-	-
	PCE	NS	NS	NS	NS	-	-	-
	TCA	NS	NS	NS	NS	-	-	-
	TCE	NS	NS	NS	NS	-	-	-
	Other	NS	NS	NS	NS	-	-	-
69 Reigner	DCA	NS	NS	NS	NS	NS	-	-
	DCE	NS	NS	NS	NS	NS	1	-
	PCE	NS	NS	NS	NS	NS	-	-
	TCA	NS	NS	NS	NS	NS	2	-
	TCE	NS	NS	NS	NS	NS	-	-
	Other	NS	NS	NS	NS	NS	-	-
115 Hinaman	DCA	NS	NS	NS	NS	NS	-	-
	DCE	NS	NS	NS	NS	NS	-	-
	PCE	NS	NS	NS	NS	NS	-	-
	TCA	NS	NS	NS	NS	NS	-	-
	TCE	NS	NS	NS	NS	NS	-	-
	Other	NS	NS	NS	NS	NS	-	-
114 Bergeman	DCA	NS	NS	NS	NS	NS	-	-
	DCE	NS	NS	NS	NS	NS	3	-
	PCE	NS	NS	NS	NS	NS	-	-
	TCA	NS	NS	NS	NS	NS	4	-
	TCE	NS	NS	NS	NS	NS	-	-
	Other	NS	NS	NS	NS	NS	-	-
299 Garber	DCA	NS	NS	NS	NS	NS	-	-
	DCE	NS	NS	NS	NS	NS	-	-
	PCE	NS	NS	NS	NS	NS	-	-
	TCA	NS	NS	NS	NS	NS	-	-
	TCE	NS	NS	NS	NS	NS	-	-
	Other	NS	NS	NS	NS	NS	Acetone	-

Notes:
Concentrations are the highest found in residence: sample, duplicate, or resample.
Concentrations below 1 ppb are not within the calibrated range of the instrument and have not been recorded.
Organics detected at the Kountry Kitchen tap are chloroform, bromoform, and bromodichloromethane - water purification byproducts.
NS - Not Sampled

Cryochem OU1
Residential Well Sampling
Round 15: April 29 - May 1
(Concentrations in µg/L)

Resident	Box No.	Sample Location	Contaminants of Concern							Other constituents
			COC Hits	DCA	DCE	TCA	TCE	PCE	$MeCl_2$	
Witman	71	Tap	N						0.9 JB	
		Mid	N						0.6 JB	
		Well	N						0.6 JB	
Greenley	73	Tap	N							
		Mid	N							
		Well		16	50	74	8	5	3 J	
Straube	74	Tap							0.6 J	1,4-Dichlorobenzene (2)
		Mid	N							
		Well		4	49	46				
		WellDup		5	55	48				
Bauer	89	Tap	N							
		Mid				6				
		Well		2	14	19	2	1	0.7 J	Benzene (2)
Hallman	100	Tap	N							
		Mid	N							
		Well			3	5				
Minninger	101	Tap	N							
		Mid	N							
		Well		4	27	32	3	1 J		
Ankrom	102	Tap	N							
		Mid		3		28			2 JB	
		Well		5	35	43	4	2	1 JB	Benzene (14), Xylenes (2)
Wetzel	103	Tap	N						0.7 JB	
		Mid		4		18				Carbon disulfide (1)
		Well		4	32	39	3	2		
		WellDup		4	31	40	3	2 J		
Diener	104	Tap	N						0.7 JB	
		Mid		2		20			0.9 JB	
		Well		3	18	20	2	1		
Hall	105	Tap	N						0.6 J	
		Mid		24	46	22	9 J			Chloromethane (11 J), Benzene (230)
										Toluene (27), Xylenes (17)
		Well		7	24	57	4	2 J		
Geisinger	106	Tap	N						0.7 JB	
		Mid	N						0.7 JB	
		Well		4	29	34	3	1 J	1 J	
		WellDup		4	34	37	3	2	1 JB	
Benyo	107	Tap	N							Carbon disulfide (1)
		Mid	N							
		Well		4	26	33	3	1 J	1 JB	
Schlittler	116	Tap	N						1 J	
		Mid	N						0.5 J	
		Well		1	7	9	0.7 J			
		WellDup		1	5	10	0.9 J	0.5 J	0.6 J	
Mike's Service	188	Tap	N							
Station		Mid	N							
		Well	N						0.5 J	
Fleck	268	Tap	N						0.7 J	
		Mid	N						0.8 J	
		Well	N						1 J	
Block	451	Tap	N							
		Mid	N							

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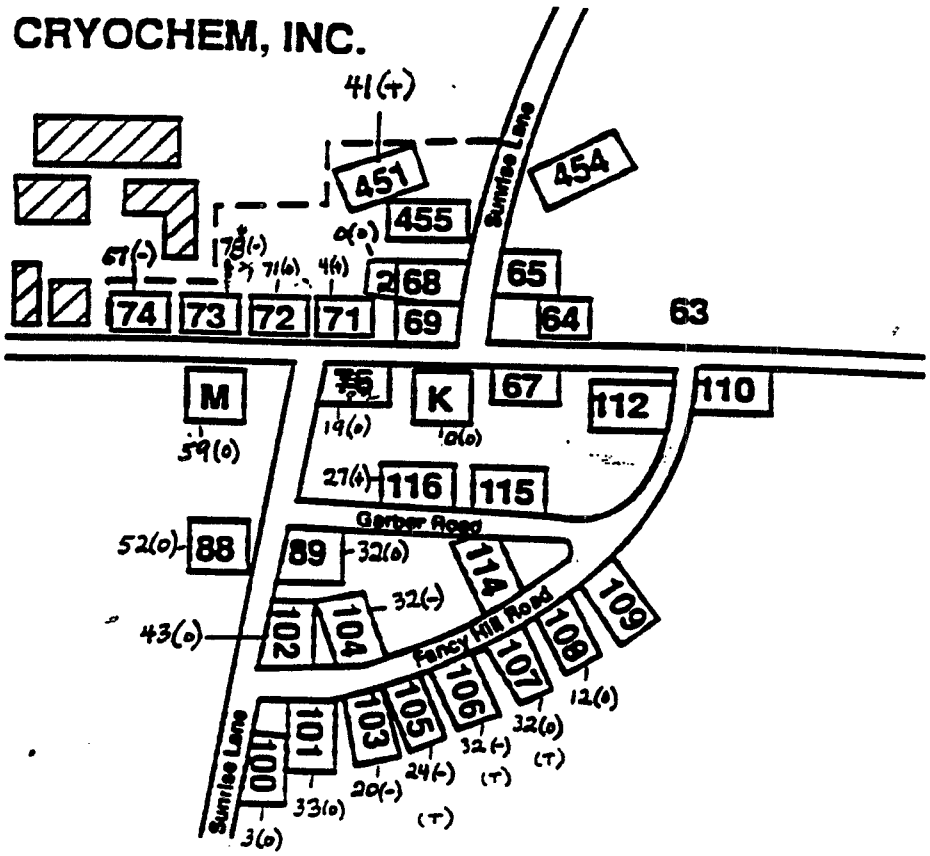
Cryochem OU1
Residential Well Sampling
Round 15: April 29 - May 1
(Concentrations in µg/L)

Resident	Box No.	Sample Location	Contaminants of Concern							Other constituents
			COC Hits	DCA	DCE	TCA	TCE	PCE	$MeCl_2$	
		Well			1	0.7 J				
		WellDup	N						2	
Kountry Kitche	66	Tap	N							Chloroform (0.8 J), Bromoform (0.6 J)
Reigner	69	Tap	N						0.7 J	
Bergeman	114	Tap	N						3 B	
Hinaman	115	Tap	N						0.5 JB	
Graham	120	Tap				1				
		TapDup				1				
Garber, Mrs.	299	Tap	N						0.5 J	
Bohn	455	Tap	N						0.5 JB	

COC - Cryochem contaminants of concern
DCA - 1,1-Dichloroethane
DCE - 1,1-Dichloroethene
TCA - 1,1,1-Trichloroethane
TCE - Trichloroethene
PCE - Tetrachloroethene
$MeCl_2$ - Methylene chloride (laboratory contaminant)

Appendix F

Map of Contaminant Trends



Number inside box = house number

Number outside box = concentration of dichloroethene (indicator constituent) (DCE) detected in well sample during last round

(-) or (+) = the concentrations of contaminants of concern have been decreasing (-) or increasing (+) with each round of sampling

(0) = not enough difference in concentrations to predict a trend.

(T) Trichloroethene (TCE) has been detected for the first time (all below MCL at 2-4 µg/L) during the last sampling round.

Appendix G
Carbon Adsorber Sizing Calculations

Aim: (1) Calculate the average water usage for each home with carbon adsorbers.

(2) Select design criteria for sizing of carbon adsorbers.

(3) Size carbon adsorbers.

(4) Compare carbon adsorber sized with actual units installed

References

(1) Metcalf & Eddy, 3rd Edition
(2) CH2M HILL Carbon Adsorber Sizing spreadsheet.

(1) Per Metcalf & Eddy:

TABLE 2-9
Typical wastewater flowrates from residential sources[a]

Source	Unit	Flow, gal/unit · d Range	Typical
Apartment:			
High-rise	Person	35–75	50
Low-rise	Person	50–80	65
Hotel	Guest	30–55	45
Individual residence:			
Typical home	Person	45–90	70
Better home	Person	60–100	80
Luxury home	Person	75–150	95
Older home	Person	30–60	45
Summer cottage	Person	25–50	40
Motel:			
With kitchen	Unit	90–180	100
Without kitchen	Unit	75–150	95
Trailer park	Person	30–50	40

[a] Adapted in part from Ref. 7.
Note: gal × 3.7854 = L

TYPE OF HOMES AT SITE

Assume 45 GPD/capita for usage

For two adults ≈ 90 GPD or 0.10 GPM pump operating for 24 hrs

Based on 45 GPD per capita, 3 GPM pumps are acceptable for homes with 2 adults.
Attached is summary of flowrate and usages.

Cryochem OU-1 Residential Water Usage

Resident	Home No.	Pump Capacity (per Garber) (gpm)	Persons	Total Water Usage[1] (gpd)	Carbon Bed Life[2] (days)
Ankrom	102	Not known	2 + 3	225	578
Bauer	89	3	2	90	1,444
Benyo	107	3	2	90	1,444
Hall	105	10	1	45	2,889
Diener	104	3	2	90	1,444
Geisinger	106	3	1	45	2,889
Schittler	116	3	2	90	1,444
Greenley	73	3	1	45	2,889
Minninger	101	2	2	90	1,444
Straube	74	3	2	90	1,444
Weidner	72	10	2	90	1,444
Mike's Station	188	10	3	135	963
Fleck	268	3	2	90	1,444
Goodhart	108	Not Known	2+2	180	722
Hallman	100	10	1+2	135	963
Olock	451	10	2	90	1,444
Witman	71	3	2	90	1,444
Dicindio	88	Not Known	2+3	225	578
Garber	82	10	2+3	225	578
Wetzel	103	3	2	90	1,444

Notes:

[1] Water usage based on a typical value of 45 gallon per day per capita

[2] Bed life based on carbon usage rate of 0.50 lbs per 1,000 gallons, and beds with 65 lbs.

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(2) Select contaminant design criteria for the Carbon adsorbers.

Select the high contaminant concentration detected, for design:

	As of Fall 1995	As of Spring 1996
DCA	28 µg/L	24 µg/L
DCE	71 µg/L	55 µg/L
PCE	3 µg/L	5 µg/L
TCA	87 µg/L	74 µg/L
TCE	7 µg/L	9 µg/L

For design assume

DCA = 30 µg/L
DCE = 75 µg/L
PCE = 5 µg/L
TCA = 90 µg/L
TCE = 10 µg/L

Per Long's Water Technology, carbon adsorbers provided are in 2 sizes:

(a) 10" ϕ x 50"

(b) 12" ϕ x 42"

Assume 3" of height lost in freeboard. Volume of carbon adsorbers are:

(a) $\frac{\pi}{4}(10/12)^2 * \frac{(50-3)}{12} = 2.14\ ft^3$

(b) $\frac{\pi}{4}(12/12)^2 * \frac{(42-3)}{12} = 2.55\ ft^3$

Carbon density ≈ 30 lbs/ft³. Carbon in each adsorber is:

(a) 64.2 lbs say 65 lbs

(b) 76.5 lbs say 75 lbs

Based on CH2M HILL's sizing program, lead contaminant is DCA. Carbon usage, with a safety factor of 10, is 0.479 lbs Carbon per 1,000 gallons (say 0.50 $\frac{lbs}{1000\ gall}$)

For the 65 lb carbon adsorber, changeout will be required after $\frac{65}{0.5} * 1{,}000$ gallons (or 130,000 gallons) have been processed.

Recommended flux rate for flow through carbon adsorbers is 5 gpm/ft^2 with 8 gpm/ft^2

For 10 gpm pump Diameter of bed $= \left(\frac{2}{\pi/4}\right)^{1/2} = 20''$

or $\left(\frac{10/8}{\pi/4}\right)^{1/2} = 15''$

For 3gpm pump Diameter of bed $= \left(\frac{3/5}{\pi/4}\right)^{1/2} = 10''$

or $\left(\frac{3/8}{\pi/4}\right)^{1/2} = 8''$

CONCLUSIONS

(1) Insufficient flow data to calculate carbon changeouts or bed life. Calculated values are not accurate at ppb levels, and indicate extremely long bed life.

(2) 3 gpm pumps are suitable for 10"Ø and 12"Ø beds. Houses with 10 gpm pumps have undersized beds.

Appendix H
Schedule for Sampling of Residential Homes

Cryochem OU-1: Revised Sampling Plan Through 1999

CH2M HILL

Prepared by: Ann West / Sunil Pereira
Date: 26-Jun-96

Legend: (3pts) Sampling event at well, midpoint, and tap

Residents	Home No.	Nov-96	May-97	Nov-97	May-98	Nov-98	May-99	Nov-99	Comments
Residents off Regular Program									
Witman	71	(3-pts)		(Midpt only)		(Midpt only)		(Midpt only)	3 pts for confirmation.
Fleck	268		(Midpt only)		(Midpt only)		(Midpt only)		Per ESD
Hallman	100	(3-pts)		(Midpt only)		(Midpt only)		(Midpt only)	Per ESD
Residents with Monitoring Only									
Kountry Kitchen	66	(Tap only)	(Tap only)	(Tap only)	(Tap only)	(Tap only)	(Tap only)	(Tap only)	Extra monitoring because commercial user.
Dierolf	67	(Tap only)	(Tap only)	(Tap only)	(Tap only)	(Tap only)			Per ESD
Reigner	69	(Tap only)	(Tap only)	(Tap only)					Per ESD
Bergman	114	(Tap only)	(Tap only)	(Tap only)					Per ESD
Hinaman	115	(Tap only)	(Tap only)	(Tap only)					Per ESD
Graham	120	(Tap only)	(Tap only)	(Tap only)					Per ESD
Mrs. Garber	299	(Tap only)	(Tap only)	(Tap only)					Per ESD
Bohn	455	(Tap only)	(Tap only)						Per ESD
Residents on Regular Program									
Weidner	72	(3-pts)		(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Greenley	73		(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Straube	74	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Mr&Mrs Garber	82	(3-pts)		(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Dicindio	88	(3-pts)		(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Bauer	89		(3-pts)		(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Minninger	101		(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Ankrom	102		(3-pts)		(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Wetzel	103		(3-pts)		(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Diener	104		(3-pts)		(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Hall	105		(3-pts)		(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Geisinger	106	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Benyo	107	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD

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Cryochem OU-1: Revised Sampling Plan Through 1999

CH2M HILL

Prepared by: Ann West / Sunil Pereira
Date: 26-Jun-96

Legend: (3pts) Sampling event at well, midpoint, and tap

Residents	Home No.	Nov-96	May-97	Nov-97	May-98	Nov-98	May-99	Nov-99	Comments
Goodhart	108	(3-pts)		(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Schittler	116		(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Mike's Serv. Sta.	188		(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD
Olock	451		(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	(3-pts)	Per ESD

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