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NSY PORTSMOUTH
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RCRA CORRECTIVE ACTION
PORTSMOUTH NAVAL SHIPYARD
KITTERY, MAINE
PHASE IV FIELDWORK--
APPENDICES I - VIII

BOOK 7 OF 7

PREPARED FOR:

U.S. DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PHILADELPHIA, PENNSYLVANIA 19112-5094
CONTRACT Nº N62472-86-C-1283

PREPARED BY:

McLAREN/HART ENVIRONMENTAL ENGINEERING CORPORATION
28 MADISON AVENUE EXTENSION
ALBANY, NEW YORK 12203

JANUARY 3, 1992

ENVIRONMENTAL AFFAIRS

PORTSMOUTH NAVAL SHIPYARD

pH

Client: McLaren/Hart

Project No.: 910479

Date Sample Received: 8/27/91

Date Analysis Completed: 9/25/91

Client ID	Laboratory ID	Result
DRFW-01-01-03	910479-10	7.22
DRFW-02-01-02	910479-11	8.06
DRFW-03-01-02	910479-12	7.75
DRFW-04-01-02	910479-13	8.03
DRFW-05-01-03	910479-14	7.69
DRFW-06-01-04	910479-15	7.46

Reported by: T.K.

Approved by: Phyllis Shulh

FLASHPOINT

Client: McLaren/Hart

Project No.: 910479

Date Sample Received: 8/27/91

Date Analysis Completed: 9/24/91

Result: °F

Client ID	Laboratory ID	Result	Reporting Limits
DRFW-01-01-03	910479-10	no flash	200°F
DRFW-02-01-02	910479-11	no flash	200°F
DRFW-03-01-02	910479-12	no flash	200°F
DRFW-04-01-02	910479-13	no flash	200°F
DRFW-05-01-03	910479-14	no flash	200°F
DRFW-06-01-04	910479-15	no flash	200°F

Reported by: L.C. Lefebvre

Approved by: [illegible]

REACTIVE SULFIDE

Client: McLaren/Hart

Project No.: 910479

Date Received: 8/27/91

Date Analysis Completed: 9/04/91

Concentration in: mg/L (ppm)

Client ID	Laboratory ID	Sample Concentration	Method Reporting Limit
DRFW-01-01-03	910479-10	ND	1
DRFW-02-01-02	910479-11	ND	1
DRFW-03-01-02	910479-12	ND	1
DRFW-04-01-02	910479-13	ND	1
DRFW-05-01-03	910479-14	ND	1
DRFW-06-01-04	910479-15	ND	1

ND = Not detected

Reported by: T.K

Approved by: Phyllis Shelton

REACTIVE CYANIDE

Client: McLaren/Hart

Project No.: 910479

Date Sample Received: 8/27/91

Date Analysis Completed: 9/06/91

Concentration in: mg/L (ppm)

Client ID	Laboratory ID	Concentration	Reporting Limits
DRFW-01-01-03	910479-10	ND	0.5
DRFW-02-01-02	910479-11	ND	0.5
DRFW-03-01-02	910479-12	ND	0.5
DRFW-04-01-02	910479-13	ND	0.5
DRFW-05-01-03	910479-14	ND	0.5
DRFW-06-01-04	910479-15	ND	0.5

ND = Not detected

Reported by: Amy Cale Approved by: Phyllis Shultz

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW-01-01-03

Date Sample Prepared: 9/03/91 | Lab ID: 910479-10

Date Sample Analyzed: 9/13/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	98	76-114
Toluene d-8	99	88-110
Bromofluorobenzene	102	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW–01–01–03

Date Sample Prepared: 9/04/91 | Lab ID: 910479–10

Date Sample Analyzed: 9/06/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4–Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro–1,3–butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4–Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5–Trichlorophenol	ND	170
2,4,6–Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2–Fluorophenol	5	21–100
Phenol–d5	2	10–094
2,4,6–Tribromophenol	35	10–123
Nitrobenzene–d5	79	35–114
2–Fluorobiphenyl	78	43–116
Terphenyl–d14	105	33–141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRFW-01-01-03

Lab Name: CEIMIC CORP Contract: _____

ab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-10

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/27/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/30/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRFW-01-01-03

Laboratory ID: H910479-10

Concentration in: ug/L (ppb)

Date Sampled: 8/27/91

Date TCLP Performed: 8/30/91

Date Leachate Prepared: 9/05/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	43
2,4,5-TP (Silvex)	ND	10	ND	10

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Km

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRFW-01-01-03

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-0

Matrix (soil/water): WATER Lab Sample ID: 00479-10S

Level (low/med): LOW Date Received: 08/27/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	132.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW–02–01–02

Date Sample Prepared: 9/03/91 | Lab ID: 910479–11

Date Sample Analyzed: 9/13/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2–Dichloroethane	ND	5
1,1–Dichloroethene	ND	5
2–Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2–Dichloroethane–d4	102	76–114
Toluene d–8	99	88–110
Bromofluorobenzene	102	86–115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW-02-01-02

Date Sample Prepared: 9/04/91 | Lab ID: 910479-11

Date Sample Analyzed: 9/06/91 | Conc. in: μg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	68	21-100
Phenol-d5	62	10-094
2,4,6-Tribromophenol	63	10-123
Nitrobenzene-d5	75	35-114
2-Fluorobiphenyl	68	43-116
Terphenyl-d14	95	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRFW-02-01-02

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-11

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/27/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/30/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRFW-02-01-02

Laboratory ID: H910479-11

Concentration in: ug/L (ppb)

Date Sampled: 8/27/91

Date TCLP Performed: 8/30/91

Date Leachate Prepared: 9/05/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	43
2,4,5-TP (Silvex)	ND	10	ND	10

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: Henry Pilant

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRFW-02-01-02

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-03

Matrix (soil/water): WATER Lab Sample ID: 00479-11S

Level (low/med): LOW Date Received: 08/23/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	38.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW–03–01–02

Date Sample Prepared: 9/03/91 | Lab ID: 910479–12

Date Sample Analyzed: 9/13/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2–Dichloroethane	ND	5
1,1–Dichloroethene	ND	5
2–Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2–Dichloroethane–d4	103	76–114
Toluen d–8	98	88–110
Bromofluorobenzene	101	86–115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW-03-01-02

Date Sample Prepared: 9/04/91 | Lab ID: 910479-12

Date Sample Analyzed: 9/06/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	67	21-100
Phenol-d5	65	10-094
2,4,6-Tribromophenol	63	10-123
Nitrobenzene-d5	73	35-114
2-Fluorobiphenyl	72	43-116
Terphenyl-d14	93	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRFW-03-01-02

Lab Name: CEIMIC CORP Contract: _____

ab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-12

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/27/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/30/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRFW-03-01-02

Laboratory ID: H910479-12

Concentration in: ug/L (ppb)

Date Sampled: 8/27/91

Date TCLP Performed: 8/30/91

Date Leachate Prepared: 9/05/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	43
2,4,5-TP (Silvex)	ND	10	ND	10

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: Harry Schmidt

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRFW-03-01-02

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-03

Matrix (soil/water): WATER Lab Sample ID: 00479-12S

Level (low/med): LOW Date Received: 08/27/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	51.00	B		P
7440-43-9	Cadmium	4.00	B		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW-04-01-02

Date Sample Prepared: 9/03/91 | Lab ID: 910479-13

Date Sample Analyzed: 9/13/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	106	76-114
Toluene d-8	98	88-110
Bromofluorobenzene	102	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW-04-01-02

Date Sample Prepared: 9/04/91 | Lab ID: 910479-13

Date Sample Analyzed: 9/06/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	70	21-100
Phenol-d5	66	10-094
2,4,6-Tribromophenol	63	10-123
Nitrobenzene-d5	72	35-114
2-Fluorobiphenyl	71	43-116
Terphenyl-d14	99	33-141

ND = Not detected

PESTICIDE ORGANICS ANALYSIS DATA SHEET

DRFW-04-01-02

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-13

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/27/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/30/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRFW-04-01-02

Laboratory ID: H910479-13

Concentration in: ug/L (ppb)

Date Sampled: 8/27/91

Date TCLP Performed: 8/30/91

Date Leachate Prepared: 9/05/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	43
2,4,5-TP (Silvex)	ND	10	ND	10

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Km

Approved by: Henry Schmidt

DC 697

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRFW-04-01-02

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-03

Matrix (soil/water): WATER Lab Sample ID: 00479-13S

Level (low/med): LOW Date Received: 08/27/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	39.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW–05–01–03

Date Sample Prepared: 9/03/91 | Lab ID: 910479–14

Date Sample Analyzed: 9/13/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2–Dichloroethane	ND	5
1,1–Dichloroethene	ND	5
2–Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2–Dichloroethane–d4	105	76–114
Toluene d–8	98	88–110
Bromofluorobenzene	102	86–115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)

SEMIVOLATILE ORGANICS TARGET ANALYTES

EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW–05–01–03

Date Sample Prepared: 9/04/91 | Lab ID: 910479–14

Date Sample Analyzed: 9/06/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4–Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro–1,3–butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4–Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5–Trichlorophenol	ND	170
2,4,6–Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2–Fluorophenol	54	21–100
Phenol–d5	52	10–094
2,4,6–Tribromophenol	65	10–123
Nitrobenzene–d5	78	35–114
2–Fluorobiphenyl	72	43–116
Terphenyl–d14	92	33–141

ND = Not detected

PESTICIDE ORGANICS ANALYSIS DATA SHEET

DRFW-05-01-03

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-14

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/27/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/30/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/18/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRFW-05-01-03

Laboratory ID: H910479-14

Concentration in: ug/L (ppb)

Date Sampled: 8/27/91

Date TCLP Performed: 8/30/91

Date Leachate Prepared: 9/05/91

Date Extract Analyzed: 9/27/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	43
2,4,5-TP (Silvex)	ND	10	ND	10

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: Henry Lebrun

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRFW-05-01-03

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-03

Matrix (soil/water): WATER Lab Sample ID: 00479-14S

Level (low/med): LOW Date Received: 08/27/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	66.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW-06-01-04

Date Sample Prepared: 9/03/91 | Lab ID: 910479-15

Date Sample Analyzed: 9/13/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	103	76-114
Toluene d-8	101	88-110
Bromofluorobenzene	104	86-115

ND = Not detected

SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/27/91 | Client ID: DRFW-06-01-04

Date Sample Prepared: 9/04/91 | Lab ID: 910479-15

Date Sample Analyzed: 9/06/91 | Conc. in: μg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	58	21-100
Phenol-d5	52	10-094
2,4,6-Tribromophenol	58	10-123
Nitrobenzene-d5	75	35-114
2-Fluorobiphenyl	70	43-116
Terphenyl-d14	90	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRFW-06-01-04

Lab Name: CEIMIC CORP Contract: _____

b Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-15

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/27/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/30/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/18/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRFW-06-01-04

Laboratory ID: H910479-15

Concentration in: ug/L (ppb)

Date Sampled: 8/27/91

Date TCLP Performed: 8/30/91

Date Leachate Prepared: 9/05/91

Date Extract Analyzed: 9/27/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	43
2,4,5-TP (Silvex)	ND	10	ND	10

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Km

Approved by: [signature]

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TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRFW-06-01-04

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-03

Matrix (soil/water): WATER Lab Sample ID: 00479-15S

Level (low/med): LOW Date Received: 08/27/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	64.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

pH

Client: McLaren/Hart

Project No.: 910479

Date Sample Received: 8/23/91

Date Analysis Completed: 9/25/91

Client ID	Laboratory ID	Result
DRDECP-01-05-03	910479-01	7.32
DRDW-01-07	910479-02	8.40
DRDW-08-01	910479-03	8.13
DRDW-08B-01	910479-04	8.24
DRDW8,8B,9-01-03	910479-05	7.91
DRDW-09-01	910479-06	8.21
DRDW-10B-01-02	910479-07	8.18
DRJW-13S,B,D,01	910479-08	7.46
P3-UNK-01-03	910479-09	11.88

Reported by: T.H

Approved by: [signature]

FLASHPOINT

Client: McLaren/Hart

Project No.: 910479

Date Sample Received: 8/23/91

Date Analysis Completed: 9/24/91

Result: °F

Client ID	Laboratory ID	Result	Reporting Limits
DRDECP-01-05-03	910479-01	no flash	200°F
DRDW-01-07	910479-02	no flash	200°F
DRDW-08-01	910479-03	no flash	200°F
DRDW-08B-01	910479-04	no flash	200°F
DRDW8,8B,9-01-03	910479-05	no flash	200°F
DRDW-09-01	910479-06	no flash	200°F
DRDW-10B-01-02	910479-07	no flash	200°F
DRJW-13S,B,D,01	910479-08	no flash	200°F
P3-UNK-01-03	910479-09	no flash	200°F

Reported by: [signature]

Approved by: [signature]

REACTIVE SULFIDE

Client: McLaren/Hart

Project No.: 910479

Date Received: 8/23/91

Date Analysis Completed: 9/04/91

Concentration in: mg/L (ppm)

Client ID	Laboratory ID	Sample Concentration	Method Reporting Limit
DRDECP-01-05-03	910479-01	ND	1
DRDW-01-07	910479-02	ND	1
DRDW-08-01	910479-03	ND	1
DRDW-08B-01	910479-04	ND	1
DRDW8,8B,9-01-03	910479-05	ND	1
DRDW-09-01	910479-06	ND	1
DRDW-10B-01-02	910479-07	ND	1
DRJW-13S,B,D,01	910479-08	ND	1
P3-UNK-01-03	910479-09	ND	1

ND = Not detected

Reported by: T.K

Approved by: [signature]

REACTIVE CYANIDE

Client: McLaren/Hart

Project No.: 910479

Date Received: 8/23/91

Date Analysis Completed: 9/05/91

Concentration in: mg/L (ppm)

Client ID	Laboratory ID	Concentration	Reporting Limits
DRDECP-01-05-03	910479-01	ND	0.5
DRDW-01-07	910479-02	ND	0.5
DRDW-08-01	910479-03	ND	0.5
DRDW-08B-01	910479-04	ND	0.5
DRDW8,8B,9-01-03	910479-05	ND	0.5
DRDW-09-01	910479-06	ND	0.5
DRDW-10B-01-02	910479-07	ND	0.5
DRJW-13S,B,D,01	910479-08	ND	0.5
P3-UNK-01-03	910479-09	ND	0.5

ND = Not detected

Reported by: Amy Cole Approved by: Phyllis Shile

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDECP-01-05-03

Date Sample Prepared: 8/27/91 | Lab ID: 910479-01

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	110	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	103	76-114
Toluene d-8	99	88-110
Bromofluorobenzene	99	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDECP-01-05-03

Date Sample Prepared: 8/29/91 | Lab ID: 910479-01

Date Sample Analyzed: 8/30/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	63	21-100
Phenol-d5	53	10-094
2,4,6-Tribromophenol	78	10-123
Nitrobenzene-d5	67	35-114
2-Fluorobiphenyl	68	43-116
Terphenyl-d14	65	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDECP-01-05-03

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-01

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/23/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRDECP-01-05-03

Laboratory ID: H910479-01

Concentration in: ug/L (ppb)

Date Sampled: 8/23/91

Date TCLP Performed: 8/27/91

Date Leachate Prepared: 8/30/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	41
2,4,5-TP (Silvex)	ND	10	ND	12

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Km

Approved by: Henry Eckert

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDECP-01-05-03

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05

Matrix (soil/water): WATER Lab Sample ID: 00479-01S

Level (low/med): LOW Date Received: 08/23/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	201.00			P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW–01–07

Date Sample Prepared: 8/27/91 | Lab ID: 910479–02

Date Sample Analyzed: 8/28/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2–Dichloroethane	ND	5
1,1–Dichloroethene	ND	5
2–Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2–Dichloroethane–d4	103	76–114
Toluene d–8	103	88–110
Bromofluorobenzene	107	86–115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW-01-07

Date Sample Prepared: 8/29/91 | Lab ID: 910479-02

Date Sample Analyzed: 8/30/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	64	21-100
Phenol-d5	56	10-094
2,4,6-Tribromophenol	79	10-123
Nitrobenzene-d5	66	35-114
2-Fluorobiphenyl	71	43-116
Terphenyl-d14	70	33-141

ND = Not detected

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDW-01-07

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-02

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/23/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRDW-01-07

Laboratory ID: H910479-02

Concentration in: ug/L (ppb)

Date Sampled: 8/23/91

Date TCLP Performed: 8/27/91

Date Leachate Prepared: 8/30/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	41
2,4,5-TP (Silvex)	ND	10	ND	12

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Km

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDW-01-07

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-03

Matrix (soil/water): WATER Lab Sample ID: 00479-02S

Level (low/med): LOW Date Received: 08/23/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	30.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW-08-01

Date Sample Prepared: 8/27/91 | Lab ID: 910479-03

Date Sample Analyzed: 9/03/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	112	76-114
Toluene d-8	98	88-110
Bromofluorobenzene	104	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW-08-01

Date Sample Prepared: 8/29/91 | Lab ID: 910479-03

Date Sample Analyzed: 8/30/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	45	21-100
Phenol-d5	40	10-094
2,4,6-Tribromophenol	70	10-123
Nitrobenzene-d5	69	35-114
2-Fluorobiphenyl	71	43-116
Terphenyl-d14	73	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDW-08-01

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-03

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/23/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRDW-08-01

Laboratory ID: H910479-03

Concentration in: ug/L (ppb)

Date Sampled: 8/22/91

Date TCLP Performed: 8/27/91

Date Leachate Prepared: 8/30/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	41
2,4,5-TP (Silvex)	ND	10	ND	12

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDW-08-01

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-03

Matrix (soil/water): WATER Lab Sample ID: 00479-03S

Level (low/med): LOW Date Received: 08/23/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	65.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

321

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW–08B–01

Date Sample Prepared: 8/27/91 | Lab ID: 910479–04

Date Sample Analyzed: 9/03/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	6	5
1,2–Dichloroethane	ND	5
1,1–Dichloroethene	ND	5
2–Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2–Dichloroethane–d4	111	76–114
Toluene d–8	96	88–110
Bromofluorobenzene	104	86–115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW–08B–01

Date Sample Prepared: 8/29/91 | Lab ID: 910479–04

Date Sample Analyzed: 9/10/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4–Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro–1,3–butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4–Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5–Trichlorophenol	ND	170
2,4,6–Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2–Fluorophenol	54	21–100
Phenol–d5	55	10–094
2,4,6–Tribromophenol	66	10–123
Nitrobenzene–d5	65	35–114
2–Fluorobiphenyl	59	43–116
Terphenyl–d14	73	33–141

ND = Not detected

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDW-08B-01

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-04

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/23/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRDW-08B-01

Laboratory ID: H910479-04

Concentration in: ug/L (ppb)

Date Sampled: 8/22/91

Date TCLP Performed: 8/27/91

Date Leachate Prepared: 8/30/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	41
2,4,5-TP (Silvex)	ND	10	ND	12

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by:

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDW-08B-01

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05

Matrix (soil/water): WATER Lab Sample ID: 00479-04S

Level (low/med): LOW Date Received: 08/23/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	60.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

322

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW8,8B,9-01-03

Date Sample Prepared: 8/27/91 | Lab ID: 910479-05

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	99	76-114
Toluene d-8	94	88-110
Bromofluorobenzene	99	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW8,8B,9-01-03

Date Sample Prepared: 8/29/91 | Lab ID: 910479-05

Date Sample Analyzed: 9/10/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	33	21-100
Phenol-d5	37	10-094
2,4,6-Tribromophenol	54	10-123
Nitrobenzene-d5	80	35-114
2-Fluorobiphenyl	71	43-116
Terphenyl-d14	89	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDW8-8,8B,9-01

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-05

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/23/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRDW8,8B,9-01-03

Laboratory ID: H910479-05

Concentration in: ug/L (ppb)

Date Sampled: 8/22/91

Date TCLP Performed: 8/27/91

Date Leachate Prepared: 8/30/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	41
2,4,5-TP (Silvex)	ND	10	ND	12

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDW8,8B,9-01-03

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-03

Matrix (soil/water): WATER Lab Sample ID: 00479-05S

Level (low/med): LOW Date Received: 08/23/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	60.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW-09-01

Date Sample Prepared: 8/27/91 | Lab ID: 910479-06

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	102	76-114
Toluene d-8	99	88-110
Bromofluorobenzene	98	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW–09–01

Date Sample Prepared: 8/29/91 | Lab ID: 910479–06

Date Sample Analyzed: 9/10/91 | Conc. in: μg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4–Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro–1,3–butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4–Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5–Trichlorophenol	ND	170
2,4,6–Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2–Fluorophenol	14	21–100
Phenol–d5	34	10–094
2,4,6–Tribromophenol	63	10–123
Nitrobenzene–d5	80	35–114
2–Fluorobiphenyl	71	43–116
Terphenyl–d14	90	33–141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDW-09-01

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-06

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/23/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRDW-09-01

Laboratory ID: H910479-06

Concentration in: ug/L (ppb)

Date Sampled: 8/22/91

Date TCLP Performed: 8/27/91

Date Leachate Prepared: 8/30/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	41
2,4,5-TP (Silvex)	ND	10	ND	12

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDW-09-01

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-0

Matrix (soil/water): WATER Lab Sample ID: 00479-06S

Level (low/med): LOW Date Received: 08/23/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	85.00	B		P
7440-39-3	Barium	52.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW-10B-01-02

Date Sample Prepared: 8/27/91 | Lab ID: 910479-07

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	99	76-114
Toluene d-8	99	88-110
Bromofluorobenzene	105	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW-10B-01-02

Date Sample Prepared: 8/29/91 | Lab ID: 910479-07

Date Sample Analyzed: 9/10/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	63	21-100
Phenol-d5	58	10-094
2,4,6-Tribromophenol	91	10-123
Nitrobenzene-d5	84	35-114
2-Fluorobiphenyl	81	43-116
Terphenyl-d14	96	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDW-10B-01-02

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-07

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/23/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRDW-10B-01-02

Laboratory ID: H910479-07

Concentration in: ug/L (ppb)

Date Sampled: 8/22/91

Date TCLP Performed: 8/27/91

Date Leachate Prepared: 8/30/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	41
2,4,5-TP (Silvex)	ND	10	ND	12

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: Henry Schmidt

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDW-10B-01-02

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-057

Matrix (soil/water): WATER Lab Sample ID: 00479-07S

Level (low/med): LOW Date Received: 09/23/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	B		P
7440-39-3	Barium	103.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRDW–13S,B,D,01

Date Sample Prepared: 8/27/91 | Lab ID: 910479–08

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2–Dichloroethane	ND	5
1,1–Dichloroethene	ND	5
2–Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2–Dichloroethane–d4	100	76–114
Toluene d–8	101	88–110
Bromofluorobenzene	102	86–115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: DRJW-13S,B,D,01

Date Sample Prepared: 8/29/91 | Lab ID: 910479-08

Date Sample Analyzed: 9/10/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	14	21-100
Phenol-d5	8	10-094
2,4,6-Tribromophenol	51	10-123
Nitrobenzene-d5	65	35-114
2-Fluorobiphenyl	64	43-116
Terphenyl-d14	76	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRJW-13S,B,D,-01

b Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-08

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/23/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: DRSW-13S,B,D-01

Laboratory ID: H910479-08

Concentration in: ug/L (ppb)

Date Sampled: 8/22/91

Date TCLP Performed: 8/27/91

Date Leachate Prepared: 8/30/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	41
2,4,5-TP (Silvex)	ND	10	ND	12

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Km

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRJW-13S,B,D,01

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05

Matrix (soil/water): WATER Lab Sample ID: 00479-08S

Level (low/med): LOW Date Received: 08/23/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	88.00	B		P
7440-39-3	Barium	83.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: P3–UNK–01–03

Date Sample Prepared: 8/27/91 | Lab ID: 910479–09

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2–Dichloroethane	ND	5
1,1–Dichloroethene	ND	5
2–Butanone	27	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2–Dichloroethane–d4	102	76–114
Toluene d–8	102	88–110
Bromofluorobenzene	100	86–115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/23/91 | Client ID: P3-UNK-01-03

Date Sample Prepared: 8/29/91 | Lab ID: 910479-09

Date Sample Analyzed: 9/10/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	70	21-100
Phenol-d5	66	10-094
2,4,6-Tribromophenol	94	10-123
Nitrobenzene-d5	79	35-114
2-Fluorobiphenyl	74	43-116
Terphenyl-d14	89	33-141

ND = Not detected

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P3-UNK-01-03

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECP

Matrix: (soil/water) WATER Lab Sample ID: 910479-09

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/23/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/17/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
72-20-8	Endrin	0.33	U
72-43-5	Methoxychlor	1.7	U
5103-74-2	Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U

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TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client ID: P3-UNK-01-03-01

Laboratory ID: H910479-09

Concentration in: ug/L (ppb)

Date Sampled: 8/23/91

Date TCLP Performed: 8/27/91

Date Leachate Prepared: 8/30/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	41
2,4,5-TP (Silvex)	ND	10	ND	12

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: Henry Sl

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

P3-UNK-01-03

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRDECP-01-05-03

Matrix (soil/water): WATER Lab Sample ID: 00479-09S

Level (low/med): LOW Date Received: 08/23/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	130.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	15.00	B		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U	N	CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

pH

Client: McLaren/Hart

Project No.: 910476

Date Sample Received: 8/21/91

Date Analysis Completed: 9/23/91

Client ID	Laboratory ID	Result
DRGW-01-01	910476-01	7.87
DRJW-09B-01-02	910476-02	8.58
DRJW-12B-01-03	910476-03	7.42
DRJW-13B-01-05	910476-04	7.50
DRJW-16-01-03	910476-05	7.68
DRJW-16B-01-03	910476-06	8.26
DRJW-18-01-02	910476-07	8.37
DRJW-19-01-03	910476-08	7.42

Reported by: Amy Cree

Approved by: Phyllis Stella

FLASHPOINT

Client: McLaren/Hart

Project No.: 910476

Date Sample Received: 8/21/91

Date Analysis Completed: 9/22/91

Result: °F

Client ID	Laboratory ID	Result	Method Reporting Limit
DRGW-01-01	910476-01	No flash	200°F
DRJW-09B-01-02	910476-02	No flash	200°F
DRJW-12B-01-03	910476-03	No flash	200°F
DRJW-13B-01-05	910476-04	No flash	200°F
DRJW-16-01-03	910476-05	No flash	200°F
DRJW-16B-01-03	910476-06	No flash	200°F
DRJW-18-01-02	910476-07	No flash	200°F
DRJW-19-01-03	910476-08	No flash	200°F

Reported by: [signature]

Approved by: [signature]

REACTIVE SULFIDE

Client: McLaren/Hart

Project No.: 910476

Date Received: 8/21/91

Date Analysis Completed: 9/04/91

Concentration in: mg/L (ppm)

Client ID	Laboratory ID	Sample Concentration	Method Reporting Limit
DRGW-01-01	910476-01	ND	1
DRJW-09B-01-02	910476-02	ND	1
DRJW-12B-01-03	910476-03	ND	1
DRJW-13B-01-05	910476-04	ND	1
DRJW-16-01-03	910476-05	ND	1
DRJW-16B-01-03	910476-06	ND	1
DRJW-18-01-02	910476-07	ND	1
DRJW-19-01-03	910476-08	ND	1

ND = Not detected

Reported by: _____ Approved by: _____

REACTIVE CYANIDE

Client: McLaren/Hart

Project No.: 910476

Date Received: 8/21/91

Date Analysis Completed: 8/29/91

Concentration in: mg/L (ppm)

Client ID	Laboratory ID	Concentration	Reporting Limits
DRGW-01-01	910476-01	ND	0.5
DRJW-09B-01-02	910476-02	ND	0.5
DRJW-12B-01-03	910476-03	ND	0.5
DRJW-13B-01-05	910476-04	ND	0.5
DRJW-16-01-03	910476-05	ND	0.5
DRJW-16B-01-03	910476-06	ND	0.5
DRJW-18-01-02	910476-07	ND	0.5
DRJW-19-01-03	910476-08	ND	0.5

ND = Not detected

Reported by: Amy Cole

Approved by: Ellis Shuler

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRGW-01-01

Date Sample Prepared: 8/22/91 | Lab ID: 910476-01

Date Sample Analyzed: 8/23/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	92	76-114
Toluene d-8	99	88-110
Bromofluorobenzene	99	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRGW-01-01

Date Sample Prepared: 8/27/91 | Lab ID: 910476-01

Date Sample Analyzed: 8/28/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	54	21-100
Phenol-d5	44	10-094
2,4,6-Tribromophenol	61	10-123
Nitrobenzene-d5	69	35-114
2-Fluorobiphenyl	74	43-116
Terphenyl-d14	94	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRGW-01-01

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-01

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/26/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRGW-01-01

Laboratory ID: 910476-01

Concentration in: ug/L (ppb)

Date Sampled: 8/20/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/19/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by:

TCLP METALS

1
INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRGW-01-01

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-01S

Level (low/med): LOW Date Received: 08/21/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	28.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

11 588

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-09B-01-02

Date Sample Prepared: 8/22/91 | Lab ID: 910476-02

Date Sample Analyzed: 8/23/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	92	76-114
Toluene d-8	98	88-110
Bromofluorobenzene	96	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID:DRJW-09B-01-02

Date Sample Prepared: 8/27/91 | Lab ID: 910476-02

Date Sample Analyzed: 8/28/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	58	21-100
Phenol-d5	52	10-094
2,4,6-Tribromophenol	66	10-123
Nitrobenzene-d5	68	35-114
2-Fluorobiphenyl	66	43-116
Terphenyl-d14	82	33-141

ND = Not detected

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRJW-09B0102

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-02

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/26/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRJW-09B-01-02

Laboratory ID: 910476-02

Concentration in: ug/L (ppb)

Date Sampled: 8/20/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/19/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by:

727

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRJW-09B-01-02

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-02S

Level (low/med): LOW Date Received: 08/21/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	18.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-12B-01-03

Date Sample Prepared: 8/22/91 | Lab ID: 910476-03

Date Sample Analyzed: 8/23/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	92	76-114
Toluene d-8	98	88-110
Bromofluorobenzene	98	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/21/91 — Client ID: DRJW-12B-01-03

Date Sample Prepared: 8/27/91 — Lab ID: 910476-03

Date Sample Analyzed: 8/28/91 — Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
[illegible],5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	30	21-100
Phenol-d5	27	10-094
2,4,6-Tribromophenol	59	10-123
Nitrobenzene-d5	62	35-114
2-Fluorobiphenyl	63	43-116
Terphenyl-d14	87	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRJW-12B0103

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-03

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/26/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRJW-12B-01-03

Laboratory ID: 910476-03

Concentration in: ug/L (ppb)

Date Sampled: 8/20/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/19/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRJW-12B-01-03

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-C/

Matrix (soil/water): WATER Lab Sample ID: 00476-03S

Level (low/med): LOW Date Received: 08/21/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	45.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-13B-01-05

Date Sample Prepared: 8/22/91 | Lab ID: 910476-04

Date Sample Analyzed: 8/23/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	96	76-114
Toluene d-8	94	88-110
Bromofluorobenzene	99	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-13B-01-05

Date Sample Prepared: 8/27/91 | Lab ID: 910476-04

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	2	21-100
Phenol-d5	0	10-094
2,4,6-Tribromophenol	15	10-123
Nitrobenzene-d5	68	35-114
2-Fluorobiphenyl	70	43-116
Terphenyl-d14	86	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRJW-13B0105

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-4

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/26/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRJW-13B-01-05

Laboratory ID: 910476-04

Concentration in: ug/L (ppb)

Date Sampled: 8/20/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by:

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRJW-13B-01-05

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-04S

Level (low/med): LOW Date Received: 08/21/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	82.00	B		P
7440-39-3	Barium	55.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-16-01-03

Date Sample Prepared: 8/22/91 | Lab ID: 910476-05

Date Sample Analyzed: 8/23/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	8	5
Carbon tetrachloride	ND	5
Chlorobenzene	40	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	73	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	102	76-114
Toluene d-8	91	88-110
Bromofluorobenzene	102	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-16-01-03

Date Sample Prepared: 8/27/91 | Lab ID: 910476-05

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	55	21-100
Phenol-d5	48	10-094
2,4,6-Tribromophenol	65	10-123
Nitrobenzene-d5	79	35-114
2-Fluorobiphenyl	66	43-116
Terphenyl-d14	79	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRJW16-01-03

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-5

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/26/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRJW-16-01-03

Laboratory ID: 910476-05

Concentration in: ug/L (ppb)

Date Sampled: 8/20/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by:

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRJW-16-01-03

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-05S

Level (low/med): LOW Date Received: 08/21/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	230.00			P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

4 592

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-16B-01-03

Date Sample Prepared: 8/22/91 | Lab ID: 910476-06

Date Sample Analyzed: 8/23/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	104	76-114
Toluene d-8	81	88-110
Bromofluorobenzene	102	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-16B-01-03

Date Sample Prepared: 8/27/91 | Lab ID: 910476-06

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	52	21-100
Phenol-d5	53	10-094
2,4,6-Tribromophenol	89	10-123
Nitrobenzene-d5	72	35-114
2-Fluorobiphenyl	73	43-116
Terphenyl-d14	84	33-141

ND = Not detected

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRJW16B01-03

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-06

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/26/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRJW-16B-01-03

Laboratory ID: 910476-06

Concentration in: ug/L (ppb)

Date Sampled: 8/20/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by:

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRJW-168-01-03

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-06S

Level (low/med): LOW Date Received: 08/21/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	17.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-18-01-02

Date Sample Prepared: 8/22/91 | Lab ID: 910476-07

Date Sample Analyzed: 8/24/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	106	76-114
Toluene d-8	98	88-110
Bromofluorobenzene	97	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/21/91 — Client ID: DRJW-18-01-02

Date Sample Prepared: 8/27/91 — Lab ID: 910476-07

Date Sample Analyzed: 8/29/91 — Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	54	21-100
Phenol-d5	51	10-094
2,4,6-Tribromophenol	74	10-123
Nitrobenzene-d5	84	35-114
2-Fluorobiphenyl	67	43-116
Terphenyl-d14	92	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRJW18-01-02

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-07

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/26/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRJW-18-01-02

Laboratory ID: 910476-07

Concentration in: ug/L (ppb)

Date Sampled: 8/20/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Km

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRJW-18-01-02

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-07S

Level (low/med): LOW Date Received: 08/21/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	95.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-19-01-03

Date Sample Prepared: 8/22/91 | Lab ID: 910476-08

Date Sample Analyzed: 8/24/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	106	76-114
Toluene d-8	96	88-110
Bromofluorobenzene	95	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/21/91 | Client ID: DRJW-19-01-03

Date Sample Prepared: 8/27/91 | Lab ID: 910476-08

Date Sample Analyzed: 9/09/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	39	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	58	21-100
Phenol-d5	58	10-094
2,4,6-Tribromophenol	67	10-123
Nitrobenzene-d5	73	35-114
2-Fluorobiphenyl	66	43-116
Terphenyl-d14	75	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRJW19-01-03

Lab Name: CEIMIC CORP Contract: _____

Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-08

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/26/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRJW-19-01-03

Laboratory ID: 910476-08

Concentration in: ug/L (ppb)

Date Sampled: 8/20/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Km

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRJW-19-01-03

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-08S

Level (low/med): LOW Date Received: 08/21/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	143.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	B		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	B		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

pH

Client: McLaren/Hart

Project No.: 910476

Date Sample Received: 8/22/91

Date Analysis Completed: 9/23/91

Client ID	Laboratory ID	Result
DRDECE-01-04	910476-15	8.46
DRDECE-05	910476-16	7.74
DRDECE-06	910476-17	9.14
DRDECE-07	910476-18	8.48
DRDECP-01-04	910476-19	11.43
DRDECP-05-08	910476-20	7.64
DRDECP-09-10	910476-21	7.96
DRDECP-12-15	910476-22	9.32
DRDECP-16-21	910476-23	7.66
DRJW-17B-01	910476-24	8.35

Reported by: Amy Cole

Approved by: Phyllis Shelle

FLASHPOINT

Client: McLaren/Hart

Project No.: 910476

Date Sample Received: 8/22/91

Date Analysis Completed: 9/22/91

Result: °F

Client ID	Laboratory ID	Result	Method Reporting Limit
DRDECE-01-04	910476-15	No flash	200°F
DRDECE-05	910476-16	No flash	200°F
DRDECE-06	910476-17	No flash	200°F
DRDECE-07	910476-18	No flash	200°F
DRDECP-01-04	910476-19	No flash	200°F
DRDECP-05-08	910476-20	No flash	200°F
DRDECP-09-10	910476-21	No flash	200°F
DRDECP-12-15	910476-22	No flash	200°F
DRDECP-16-21	910476-23	No flash	200°F
DRJW-17B-01	910476-24	No flash	200°F

Reported by: [signature]

Approved by: Phyllis Stulb

REACTIVE SULFIDE

Client: McLaren/Hart

Project No.: 910476

Date Received: 8/22/91

Date Analysis Completed: 9/04/91

Concentration in: mg/L (ppm)

Client ID	Laboratory ID	Sample Concentration	Method Reporting Limit
DRDECE-01-04	910476-15	ND	1
DRDECE-05	910476-16	ND	1
DRDECE-06	910476-17	ND	1
DRDECE-07	910476-18	ND	1
DRDECP-01-04	910476-19	ND	1
DRDECP-05-08	910476-20	ND	1
DRDECP-09-10	910476-21	ND	1
DRDECP-12-15	910476-22	ND	1
DRDECP-16-21	910476-23	ND	1
DRJW-17B-01	910476-24	ND	1

ND = Not detected

Reported by: J.K.

Approved by: Phyllis Shelton

REACTIVE CYANIDE

Client: McLaren/Hart

Project No.: 910476

Date Received: 8/22/91

Date Analysis Completed: 9/05/91

Concentration in: mg/L (ppm)

Client ID	Laboratory ID	Concentration	Reporting Limits
DRDECE-01-04	910476-15	ND	0.5
DRDECE-05	910476-16	ND	0.5
DRDECE-06	910476-17	ND	0.5
DRDECE-07	910476-18	ND	0.5
DRDECP-01-04	910476-19	ND	0.5
DRDECP-05-08	910476-20	ND	0.5
DRDECP-09-10	910476-21	ND	0.5
DRDECP-12-15	910476-22	ND	0.5
DRDECP-16-21	910476-23	ND	0.5
DRJW-17B-01	910476-24	ND	0.5

ND = Not detected

Reported by: Amy Cole Approved by: Gillis Shade

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECE-01-04

Date Sample Prepared: 8/26/91 | Lab ID: 910476-15

Date Sample Analyzed: 8/31/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	102	76-114
Toluene d-8	101	88-110
Bromofluorobenzene	93	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

ent: McLaren/Hart

Date Sample Received: 8/22/91 — Client ID: DRDECE-01-04

Date Sample Prepared: 8/27/91 — Lab ID: 910476-15

Date Sample Analyzed: 8/28/91 — Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	63	21-100
Phenol-d5	57	10-094
2,4,6-Tribromophenol	71	10-123
Nitrobenzene-d5	67	35-114
2-Fluorobiphenyl	73	43-116
Terphenyl-d14	96	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDECE-01-04

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-15

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRDECE-01-04

Laboratory ID: 910476-15

Concentration in: ug/L (ppb)

Date Sampled: 8/22/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by:

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDECE-01-04

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-158

Level (low/med): LOW Date Received: 08/22/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	187.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: BROWN Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECE-05

Date Sample Prepared: 8/26/91 | Lab ID: 910476-16

Date Sample Analyzed: 9/03/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	110	76-114
Toluene d-8	99	88-110
Bromofluorobenzene	106	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/22/91 — Client ID: DRDECE–05

Date Sample Prepared: 8/27/91 — Lab ID: 910476–16

Date Sample Analyzed: 8/29/91 — Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4–Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro–1,3–butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4–Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5–Trichlorophenol	ND	170
2,4,6–Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2–Fluorophenol	29	21–100
Phenol–d5	33	10–094
2,4,6–Tribromophenol	53	10–123
Nitrobenzene–d5	29	35–114
2–Fluorobiphenyl	37	43–116
Terphenyl–d14	64	33–141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDECE-05

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-16

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRDECE-05

Laboratory ID: 910476-16

Concentration in: ug/L (ppb)

Dilution Factor: 2

Date Sampled: 8/22/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by:

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDECE-05

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-16S

Level (low/med): LOW Date Received: 08/22/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	144.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECE–06

Date Sample Prepared: 8/26/91 | Lab ID: 910476–17

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2–Dichloroethane	ND	5
1,1–Dichloroethene	ND	5
2–Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2–Dichloroethane–d4	99	76–114
Toluene d–8	95	88–110
Bromofluorobenzene	94	86–115

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECE-06

Date Sample Prepared: 8/27/91 | Lab ID: 910476-17

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	53	21-100
Phenol-d5	50	10-094
2,4,6-Tribromophenol	65	10-123
Nitrobenzene-d5	58	35-114
2-Fluorobiphenyl	64	43-116
Terphenyl-d14	91	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDECE-06

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-17

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRDECE-06

Laboratory ID: 910476-17

Concentration in: ug/L (ppb)

Dilution Factor: 2

Date Sampled: 8/22/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: [signature]

780

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDECE-06

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-17S

Level (low/med): LOW Date Received: 08/22/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	18.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECE-07

Date Sample Prepared: 8/26/91 | Lab ID: 910476-18

Date Sample Analyzed: 9/03/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	108	76-114
Toluene d-8	98	88-110
Bromofluorobenzene	106	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECE-07

Date Sample Prepared: 8/27/91 | Lab ID: 910476-18

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	55	21-100
Phenol-d5	51	10-094
2,4,6-Tribromophenol	55	10-123
Nitrobenzene-d5	68	35-114
2-Fluorobiphenyl	63	43-116
Terphenyl-d14	87	33-141

ND = Not detected

PESTICIDE ORGANICS ANALYSIS DATA SHEET

DRDECE-07

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

atrix: (soil/water) WATER Lab Sample ID: 910476-18

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRDECE-07

Laboratory ID: 910476-18

Concentration in: ug/L (ppb)

Date Sampled: 8/22/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDECE-07

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-18S

Level (low/med): LOW Date Received: 08/22/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	512.00			P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	21.00			P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECP-01-04

Date Sample Prepared: 8/26/91 | Lab ID: 910476-19

Date Sample Analyzed: 9/03/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	107	76-114
Toluene d-8	97	88-110
Bromofluorobenzene	103	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECP-01-04

Date Sample Prepared: 8/27/91 | Lab ID: 910476-19

Date Sample Analyzed: 8/29/91 | Conc. in: μg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	60	21-100
Phenol-d5	55	10-094
2,4,6-Tribromophenol	60	10-123
Nitrobenzene-d5	67	35-114
2-Fluorobiphenyl	71	43-116
Terphenyl-d14	95	33-141

ND = Not detected

PESTICIDE ORGANICS ANALYSIS DATA SHEET

DRDECP-01-04

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-19

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/14/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRDECP-01-04

Laboratory ID: 910476-19

Concentration in: ug/L (ppb)

Dilution Factor: 2

Date Sampled: 8/21/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/26/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Km

Approved by: Henry Filbert

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDECP-01-04

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-19S

Level (low/med): LOW Date Received: 08/22/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	23.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Dae Sample Received: 8/22/91 | Client ID: DRDECP–05–08

Date Sample Prepared: 8/26/91 | Lab ID: 910476–20

Date Sample Analyzed: 8/31/91 | Conc. in: μg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2–Dichloroethane	ND	5
1,1–Dichloroethene	ND	5
2–Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2–Dichloroethane–d4	107	76–114
Toluene d–8	100	88–110
Bromofluorobenzene	100	86–115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECP-05-08

Date Sample Prepared: 8/27/91 | Lab ID: 910476-20

Date Sample Analyzed: 8/29/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	64	21-100
Phenol-d5	59	10-094
2,4,6-Tribromophenol	64	10-123
Nitrobenzene-d5	65	35-114
2-Fluorobiphenyl	73	43-116
Terphenyl-d14	89	33-141

ND = Not detected

DRDECP-05-20

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-20

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/15/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRDECP-05-08

Laboratory ID: 910476-20

Concentration in: ug/L (ppb)

Date Sampled: 8/21/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: Km

Approved by:

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDECP-05-08

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-208

Level (low/med): LOW Date Received: 08/22/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	38.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Dae Sample Received: 8/22/91 | Client: DRDECP-09-10

Date Sample Prepared: 8/26/91 | Lab ID: 910476-21

Date Sample Analyzed: 9/03/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	101	76-114
Toluene d-8	95	88-110
Bromofluorobenzene	103	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECP-09-10

Date Sample Prepared: 8/27/91 | Lab ID: 910476-21

Date Sample Analyzed: 9/09/91 | Conc. in: μg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	62	21-100
Phenol-d5	58	10-094
2,4,6-Tribromophenol	67	10-123
Nitrobenzene-d5	75	35-114
2-Fluorobiphenyl	71	43-116
Terphenyl-d14	72	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDECP-09-10

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-21

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/15/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRDECP-09-10

Laboratory ID: 910476-21

Concentration in: ug/L (ppb)

Date Sampled: 8/21/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by:

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDECP-09-10

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-21S

Level (low/med): LOW Date Received: 08/22/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	234.00			P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: BROWN Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Dae Sample Received: 8/22/91 | Client ID: DRDECP-12-15

Date Sample Prepared: 8/26/91 | Lab ID: 910476-22

Date Sample Analyzed: 9/01/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	107	76-114
Toluene d-8	98	88-110
Bromofluorobenzene	99	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECP-12-15

Date Sample Prepared: 8/27/91 | Lab ID: 910476-22

Date Sample Analyzed: 9/09/91 | Conc. in: μg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	58	21-100
Phenol-d5	54	10-094
2,4,6-Tribromophenol	67	10-123
Nitrobenzene-d5	76	35-114
2-Fluorobiphenyl	68	43-116
Terphenyl-d14	72	33-141

ND = Not detected

PESTICIDE ORGANICS ANALYSIS DATA SHEET

DRDECP-12-15

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-22

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/15/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRDECP-12-15

Laboratory ID: 910476-22

Concentration in: ug/L (ppb)

Date Sampled: 8/22/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/28/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: [signature]

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDECP-12-15

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-228

Level (low/med): LOW Date Received: 08/22/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	167.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
VOLATILE ORGANICS TARGET ANALYSIS
EPA Method 8240

Client: McLaren/Hart

Dae Sample Received: 8/22/91 | Client ID: DRDECP-16-21

Date Sample Prepared: 8/26/91 | Lab ID: 910476-23

Date Sample Analyzed: 9/01/91 | Conc. in: µg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
Benzene	ND	5
Carbon tetrachloride	ND	5
Chlorobenzene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
1,1-Dichloroethene	ND	5
2-Butanone	ND	10
Tetrachloroethene	ND	5
Trichloroethene	ND	5
Vinyl chloride	ND	10
Pyridine	ND	1000

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
1,2-Dichloroethane-d4	108	76-114
Toluene d-8	96	88-110
Bromofluorobenzene	103	86-115

ND = Not detected

TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP)
SEMIVOLATILE ORGANICS TARGET ANALYTES
EPA Method 8270

Client: McLaren/Hart

Date Sample Received: 8/22/91 | Client ID: DRDECP-16-21

Date Sample Prepared: 8/27/91 | Lab ID: 910476-23

Date Sample Analyzed: 9/09/91 | Conc. in: μg/L (ppb)

Target Analyte	Sample Concentration	Method Reporting Limits
2,4-Dinitrotoluene	ND	33
Hexachlorobenzene	ND	33
Hexachloro-1,3-butadiene	ND	33
Hexachloroethane	ND	33
Nitrobenzene	ND	33
1,4-Dichlorobenzene	ND	33
Methylphenols (total)	ND	33
Pentachlorophenol	ND	170
2,4,5-Trichlorophenol	ND	170
2,4,6-Trichlorophenol	ND	33

Surrogate Recovery Summary

Surrogate Compound	% Recovery	QC Limits
2-Fluorophenol	70	21-100
Phenol-d5	63	10-094
2,4,6-Tribromophenol	80	10-123
Nitrobenzene-d5	63	35-114
2-Fluorobiphenyl	61	43-116
Terphenyl-d14	72	33-141

ND = Not detected

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRDECP-16-21

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: DRDECE

Matrix: (soil/water) WATER Lab Sample ID: 910476-23

Sample wt/vol: 300 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/22/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/27/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/15/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.17	U
319-85-7	beta-BHC	0.17	U
319-86-8	delta-BHC	0.17	U
58-89-9	gamma-BHC (Lindane)	0.17	U
76-44-8	Heptachlor	0.17	U
309-00-2	Aldrin	0.17	U
1024-57-3	Heptachlor epoxide	0.17	U
959-98-8	Endosulfan I	0.17	U
60-57-1	Dieldrin	0.33	U
72-55-9	4,4'-DDE	0.33	U
72-20-8	Endrin	0.33	U
33213-65-9	Endosulfan II	0.33	U
72-54-8	4,4'-DDD	0.33	U
1031-07-8	Endosulfan sulfate	0.33	U
50-29-3	4,4'-DDT	0.33	U
72-43-5	Methoxychlor	1.7	U
53494-70-5	Endrin ketone	0.33	U
5103-74-2	Tech -Chlordane	1.7	U
8001-35-2	Toxaphene	3.3	U
12674-11-2	Aroclor-1016	1.7	U
11104-28-2	Aroclor-1221	1.7	U
11141-16-5	Aroclor-1232	1.7	U
53469-21-9	Aroclor-1242	1.7	U
12672-29-6	Aroclor-1248	1.7	U
11097-69-1	Aroclor-1254	3.3	U
11096-82-5	Aroclor-1260	3.3	U

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

ORGANOCHLORINE HERBICIDES

EPA Method 8150

Client: McLaren/Hart

Client Sample ID: DRDECP-16-21

Laboratory ID: 910476-23

Concentration in: ug/L (ppb)

Date Sampled: 8/22/91

Date TCLP Performed: 8/26/91

Date Leachate Prepared: 8/30/91

Date Extract Analyzed: 9/20/91

	Actual		Adjusted*	
Target Analyte	Sample Result	Method Reporting Limit	Sample Result	Method Reporting Limit
2,4-D	ND	33	ND	660
2,4,5-TP (Silvex)	ND	10	ND	20

ND = Not detected

* Actual sample result adjusted for matrix bias. Refer to matrix spike analysis summary form.

Reported by: KM

Approved by: Henry Fabian

TCLP METALS

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

DRDECP-16-21

Lab Name: CEIMIC Contract: AL005-09

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: DRGW-01-01

Matrix (soil/water): WATER Lab Sample ID: 00476-238

Level (low/med): LOW Date Received: 08/22/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	75.00	U		P
7440-39-3	Barium	127.00	B		P
7440-43-9	Cadmium	4.00	U		P
7440-47-3	Chromium	5.00	U		P
7439-92-1	Lead	111.00	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	99.00	U		P
7440-22-4	Silver	7.00	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TOTAL ORGANIC CARBON (TOC)

Method 415.2

Client: McLaren/Hart

Project No.: 910463

Date Received: 8/13/91

Date Analysis Completed: 9/05/91

Result in: % on dry weight basis

Client ID	Laboratory ID	Sample Concentration	Reporting Limit
BGS-01	910463-01	5.3	0.1
BGS-02	910463-02	0.6	0.1
BGS-03	910463-03	1.3	0.1
BGS-04	910463-04	0.7	0.1
BGS-05	910463-05	3.9	0.1
BGS-06	910463-06	3.1	0.1
BGS-07	910463-07	2.6	0.1
BGS-08	910463-08	1.6	0.1
BGS-09	910463-09	3.9	0.1
BGS-11	910463-10	4.0	0.1

ND = Not detected

Reported by: ACC

Approved by: Phyllis Shell

pH

Client: McLaren/Hart

Project No.: 910463

Date Sample Received: 8/13/91

Date Analysis Completed: 8/14/91

Client ID	Laboratory ID	Result
BGS-01	910463-01	7.8
BGS-02	910463-02	8.3
BGS-03	910463-03	7.0
BGS-04	910463-04	7.1
BGS-05	910463-05	6.9
BGS-06	910463-06	7.1
BGS-07	910463-07	5.9
BGS-08	910463-08	6.5
BGS-09	910463-09	6.6
BGS-11	910463-10	6.0

Reported by: _____ Approved by: _____

PERCENT MOISTURE

Client: McLaren/Hart

Project No.: 910463

Date Sample Received: 8/13/91

Date Analysis Completed:

Client ID	Laboratory ID	% Moisture
BGS-01	910463-01	18
BGS-02	910463-02	15
BGS-03	910463-03	16
BGS-04	910463-04	9
BGS-05	910463-05	13
BGS-06	910463-06	20
BGS-07	910463-07	20
BGS-08	910463-08	13
BGS-09	910463-09	13
BGS-11	910463-10	19

Reported by: [illegible]

Reported by: [illegible]

PARTICLE SIZE ANALYSIS

Client: McLaren/Hart

Client ID: BGS-02A

Laboratory ID: 910463-11

Date Sample Received: 8/14/91

Date Analysis Completed: 8/19/91

Gravel, passing 3-in and retained on No. 4 sieve:		35%
Sand, passing No. 4 Sieve and retained on No. 200 sieve:		24%
a) Coarse sand, passing No. 4 sieve and retained on No. 10 sieve:	8%	
b) Medium sand, passing No. 10 sieve and retained on No. 60 sieve:	9%	
c) Fine and, passing No. 60 sieve and retained on No. 200 sieve:	7%	
Silt size, 0.074 to 0.005 mm:		41%
Clay, smaller than 0.005 mm:		0
Colloids, smaller than 0.001 mm:		0

Reported by: GEO

Approved by: Phyllis Stalk

U 698

PARTICLE SIZE ANALYSIS

Client: McLaren/Hart

Client ID: BGS-04A

Laboratory ID: 910463-12

Date Sample Received: 8/14/91

Date Analysis Completed: 8/19/91

Gravel, passing 3-in and retained on No. 4 sieve:		41%
Sand, passing No. 4 Sieve and retained on No. 200 sieve:		45%
a) Coarse sand, passing No. 4 sieve and retained on No. 10 sieve:	8%	
b) Medium sand, passing No. 10 sieve and retained on No. 60 sieve:	18%	
c) Fine and, passing No. 60 sieve and retained on No. 200 sieve:	19%	
Silt size, 0.074 to 0.005 mm:		14%
Clay, smaller than 0.005 mm:		0
Colloids, smaller than 0.001 mm:		0

Reported by: GEO

Approved by: Phyllis Stalk

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-01

b Name: CEIMIC CORP Contract: MCLAREN HART

b Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

trix: (soil/water) SOIL Lab Sample ID: 910463-01

mple wt/vol: 5.0 (g/mL) G Lab File ID: E4908

vel: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 15 Date Analyzed: 08/14/91

lumn: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	5	BJ
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-01

.ab Name: CEIMIC CORP Contract: MCLAREN HART

.ab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

latrix: (soil/water) SOIL Lab Sample ID: 910463-01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E4908

.evel: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 15 Date Analyzed: 08/14/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

U 25

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-01

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6233

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 18 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/27/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
100-51-6	Benzyl Alcohol	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	bis(2-Chloroisopropyl)Ether	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	43	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	44	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-01

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6233

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 18 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/27/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	400	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	180	J
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	810	U
56-55-3	Benzo(a)Anthracene	140	J
218-01-9	Chrysene	240	J
117-81-7	bis(2-Ethylhexyl)Phthalate	58	BJ
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	140	J
207-08-9	Benzo(k)Fluoranthene	110	J
50-32-8	Benzo(a)Pyrene	110	J
193-39-5	Indeno(1,2,3-cd)Pyrene	79	J
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	66	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-01

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6233

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 18 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/27/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.43	530	BJ
2. 123422	4-Hydroxy-4-methyl-2-pentano	6.13	21000	ABJ
3. 000000	Unknown	7.82	1100	BJ
4. 000000	Unknown	8.94	450	BJ
5. 1120214	Undecane	12.09	400	J
6. 000000	Aliphatic hydrocarbon	17.82	200	BJ
7. 000000	Aliphatic hydrocarbon	22.55	160	BJ
8. 000000	Aliphatic hydrocarbon	25.32	240	BJ
9. 000000	C15H12 isomer	25.64	160	BJ
10. 000000	Aliphatic hydrocarbon	26.61	320	BJ
11. 000000	Unknown	28.07	200	BJ
12. 000000	Unknown	34.29	810	BJ
13. 000000	Aliphatic hydrocarbon	36.26	930	BJ
14. 000000	Unknown	36.44	810	BJ
15. 000000	Aliphatic hydrocarbon	38.92	1300	BJ
16. 000000	Unknown	42.94	280	BJ

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-01

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-01

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. 18 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/06/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.7	U
319-85-7	beta-BHC	9.7	U
319-86-8	delta-BHC	9.7	U
58-89-9	gamma-BHC (Lindane)	9.7	U
76-44-8	Heptachlor	9.7	U
309-00-2	Aldrin	9.7	U
1024-57-3	Heptachlor epoxide	9.7	U
959-98-8	Endosulfan I	9.7	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	U
72-43-5	Methoxychlor	97	U
53494-70-5	Endrin ketone	19	U
5103-71-9	alpha-Chlordane	97	U
5103-74-2	gamma-Chlordane	97	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	97	U
11104-28-2	Aroclor-1221	97	U
11141-16-5	Aroclor-1232	97	U
53469-21-9	Aroclor-1242	97	U
12672-29-6	Aroclor-1248	97	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

U 591

CLP METALS & CYANIDE

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGS-01

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGS-01

Matrix (soil/water): SOIL Lab Sample ID: 00463-01S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 84.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19500.00			P
7440-36-0	Antimony	7.00	B	N	P
7440-38-2	Arsenic	10.60		N	F
7440-39-3	Barium	98.30			P
7440-41-7	Beryllium	0.78	B		F
7440-43-9	Cadmium	2.40			P
7440-70-2	Calcium	3220.00			P
7440-47-3	Chromium	68.60			P
7440-48-4	Cobalt	12.80			P
7440-50-8	Copper	61.10			P
7439-89-6	Iron	22500.00			P
7439-92-1	Lead	112.00		N	F
7439-95-4	Magnesium	9650.00			P
7439-96-5	Manganese	263.00			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	49.50			P
7440-09-7	Potassium	2190.00			P
7782-49-2	Selenium	0.97	U	W	F
7440-22-4	Silver	1.50	U	N	P
7440-23-5	Sodium	1320.00			P
7440-28-0	Thallium	0.22	B	W	F
7440-62-2	Vanadium	47.70			P
7440-66-6	Zinc	187.00			P
	Cyanide	2.00	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-02

ab Name: CEIMIC CORP Contract: MCLAREN HART

ab Code: CEIMIC Case No.: AL005-06 SAS No.: _____ SDG No.: BGS-01

atrix: (soil/water) SOIL Lab Sample ID: 910463-02

ample wt/vol: 5.0 (g/mL) G Lab File ID: E4909

evel: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 15 Date Analyzed: 08/14/91

olumn: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-02

Lab Name: CEIMIC CORP Contract: MCLAREN HART

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-02

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E4909

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 15 Date Analyzed: 08/14/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-02

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: I0359

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 15 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/25/91

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
100-51-6	Benzyl Alcohol	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	bis(2-Chloroisopropyl)Ether	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethyl Phthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-02

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: I0359

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 15 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/25/91

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-Methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	780	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	390	U
207-08-9	Benzo(k)Fluoranthene	390	U
50-32-8	Benzo(a)Pyrene	390	U
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-02

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: I0359

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 15 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/25/91

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.00

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.67	390	BJ
2. 123422	4-Hydroxy-4-methyl-2-pentano	6.32	16000	ABJ
3. 000000	Unknown	8.02	820	BJ
4. 000000	Unknown	9.14	160	BJ
5. 000000	Unknown	27.72	200	BJ

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-02

b Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-02

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. 15 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/06/91

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.4	U
319-85-7	beta-BHC	9.4	U
319-86-8	delta-BHC	9.4	U
58-89-9	gamma-BHC (Lindane)	9.4	U
76-44-8	Heptachlor	9.4	U
309-00-2	Aldrin	9.4	U
1024-57-3	Heptachlor epoxide	9.4	U
959-98-8	Endosulfan I	9.4	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	U
72-43-5	Methoxychlor	94	U
53494-70-5	Endrin ketone	19	U
5103-71-9	alpha-Chlordane	94	U
5103-74-2	gamma-Chlordane	94	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	94	U
53469-21-9	Aroclor-1242	94	U
12672-29-6	Aroclor-1248	94	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

U 594

CLP METALS & CYANIDE

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGS-02

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGS-01

Matrix (soil/water): SOIL Lab Sample ID: 00463-02S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 84.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26500.00			P
7440-36-0	Antimony	9.40	B	N	P
7440-38-2	Arsenic	10.80		N	F
7440-39-3	Barium	62.30			P
7440-41-7	Beryllium	1.10			F
7440-43-9	Cadmium	2.70			P
7440-70-2	Calcium	1150.00			P
7440-47-3	Chromium	78.00			P
7440-48-4	Cobalt	14.60			P
7440-50-8	Copper	16.80			P
7439-89-6	Iron	27200.00			P
7439-92-1	Lead	9.50		N	F
7439-95-4	Magnesium	10800.00			P
7439-96-5	Manganese	295.00			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	50.00			P
7440-09-7	Potassium	2830.00			P
7782-49-2	Selenium	0.98	U	W	F
7440-22-4	Silver	1.60	U	N	P
7440-23-5	Sodium	933.00	B		P
7440-28-0	Thallium	0.23	B		F
7440-62-2	Vanadium	53.60			P
7440-66-6	Zinc	46.60			P
----------	Cyanide	2.60	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-03

Name: CEIMIC CORP Contract: MCLAREN HART

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-03

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E4910

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 15 Date Analyzed: 08/14/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-03

Lab Name: CEIMIC CORP Contract: MCLAREN HART

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-03

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E4910

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 15 Date Analyzed: 08/14/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-03

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-03

Sample wt/vol: 30.4 (g/mL) G Lab File ID: I0362

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 16 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/25/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	98	J
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
100-51-6	Benzyl Alcohol	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	bis(2-Chloroisopropyl)Ether	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethyl Phthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-03

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-03

Sample wt/vol: 30.4 (g/mL) G Lab File ID: I0362

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 16 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/25/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-Methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	790	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	390	U
207-08-9	Benzo(k)Fluoranthene	390	U
50-32-8	Benzo(a)Pyrene	390	U
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-03

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-03

Sample wt/vol: 30.4 (g/mL) G Lab File ID: I0362

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 16 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/25/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.63	470	BJ
2. 123422	4-Hydroxy-4-methyl-2-pentano	6.32	16000	ABJ
3. 000000	Unknown	8.00	1000	BJ
4. 000000	C10H16 isomer	8.42	510	BJ
5. 000000	Unknown	25.77	240	BJ
6. 000000	Unknown	26.57	270	BJ
7. 000000	ALiphatic hydrocarbon	27.99	310	BJ
8. 000000	Unknown	28.47	270	BJ
9. 000000	Unknown	28.81	820	BJ
10. 000000	Unknown	29.87	310	BJ
11. 000000	Unknown	29.99	240	BJ
12. 000000	Aliphatic hydrocarbon	30.29	430	BJ
13. 000000	Unknown	30.81	200	BJ
14. 000000	Unknown	30.97	200	BJ
15. 000000	Unknown	34.44	1900	BJ
16. 000000	Aliphatic hydrocarbon	36.47	390	BJ
17. 000000	Unknown	36.74	390	BJ
18. 000000	Aliphatic hydrocarbon	39.26	390	BJ
19. 000000	Unknown	44.34	510	BJ

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-03

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: ALQQS- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. 16 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/07/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.5	U
319-85-7	beta-BHC	9.5	U
319-86-8	delta-BHC	9.5	U
58-89-9	gamma-BHC (Lindane)	9.5	U
76-44-8	Heptachlor	9.5	U
309-00-2	Aldrin	9.5	U
1024-57-3	Heptachlor epoxide	9.5	U
959-98-8	Endosulfan I	9.5	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	U
72-43-5	Methoxychlor	95	U
53494-70-5	Endrin ketone	19	U
5103-71-9	alpha-Chlordane	95	U
5103-74-2	gamma-Chlordane	95	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	95	U
11104-28-2	Aroclor-1221	95	U
11141-16-5	Aroclor-1232	95	U
53469-21-9	Aroclor-1242	95	U
12672-29-6	Aroclor-1248	95	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

FORM I PEST 1/87 Rev.

CLP METALS & CYANIDE

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGS-03

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGS-01

Matrix (soil/water): SOIL Lab Sample ID: 00463-03S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 85.8

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25900.00			P
7440-36-0	Antimony	7.40	U	N	P
7440-38-2	Arsenic	14.10		N	F
7440-39-3	Barium	44.10	B		P
7440-41-7	Beryllium	1.10			F
7440-43-9	Cadmium	2.80			P
7440-70-2	Calcium	876.00	B		P
7440-47-3	Chromium	91.90			P
7440-48-4	Cobalt	14.80			P
7440-50-8	Copper	13.20			P
7439-89-6	Iron	24500.00			P
7439-92-1	Lead	10.80		N	F
7439-95-4	Magnesium	10500.00			P
7439-96-5	Manganese	196.00			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	52.20			P
7440-09-7	Potassium	1110.00	B		P
7782-49-2	Selenium	1.10	U	W	F
7440-22-4	Silver	1.60	U	N	P
7440-23-5	Sodium	931.00	B		P
7440-28-0	Thallium	0.21	U		F
7440-62-2	Vanadium	52.40			P
7440-66-6	Zinc	43.90			P
	Cyanide	1.60	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-04

) Name: CEIMIC CORP Contract: MCLAREN HART

) Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

:rix: (soil/water) SOIL Lab Sample ID: 910463-04

nple wt/vol: 5.0 (g/mL) G Lab File ID: E4913

/el: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 7 Date Analyzed: 08/14/91

!umn: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	5	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	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	11	U
591-78-6	2-Hexanone	11	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

U

44

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-04

ab Name: CEIMIC CORP Contract: MCLAREN HART

ab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

atrix: (soil/water) SOIL Lab Sample ID: 910463-04

ample wt/vol: 5.0 (g/mL) G Lab File ID: E4913

evel: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 7 Date Analyzed: 08/14/91

olumn (pack/cap) PACK Dilution Factor: 1.0

umber TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-04

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-04

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D6236

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 9 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl Alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	bis(2-Chloroisopropyl)Ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-04

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-04

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D6236

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 9 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	75	J
120-12-7	Anthracene	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	97	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	59	J
218-01-9	Chrysene	64	J
117-81-7	bis(2-Ethylhexyl)Phthalate	360	U
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	44	J
207-08-9	Benzo(k)Fluoranthene	55	J
50-32-8	Benzo(a)Pyrene	50	J
193-39-5	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3	Dibenz(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-04

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-04

Sample wt/vol: 30.2 (g/mL) G Lab File ID: D6236

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 9 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.52	470	BJ
2. 123422	2-Pentanone, 4-Hydroxy-4-Met	6.22	19000	ABJ
3. 000000	Unknown	7.88	1100	BJ
4. 000000	Unknown	8.97	290	BJ
5. 000000	Aliphatic hydrocarbon	34.22	150	BJ
6. 000000	Unknown alcohol	34.29	440	BJ
7. 000000	Aliphatic hydrocarbon	35.19	220	BJ
8. 000000	Aliphatic hydrocarbon	36.27	510	BJ
9. 000000	Unknown	36.42	470	BJ
10. 000000	Unknown	38.11	250	BJ
11. 000000	Aliphatic hydrocarbon	38.94	620	BJ
12. 000000	Unknown	39.32	150	BJ
13. 000000	Unknown	41.56	220	BJ
14. 000000	Unknown	41.94	180	BJ
15. 000000	Aliphatic hydrocarbon	42.68	290	BJ

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-04

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-04

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. 9 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/06/91

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC (Lindane)	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
5103-71-9	alpha-Chlordane	87	U
5103-74-2	gamma-Chlordane	87	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	87	U
53469-21-9	Aroclor-1242	87	U
12672-29-6	Aroclor-1248	87	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

CLP METALS & CYANIDE

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGS-04

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGS-01

Matrix (soil/water): SOIL Lab Sample ID: 00463-04S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 91.3

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11700.00			P
7440-36-0	Antimony	5.60	U	N	P
7440-38-2	Arsenic	12.70		N	F
7440-39-3	Barium	42.20			P
7440-41-7	Beryllium	0.54	B		F
7440-43-9	Cadmium	2.30			P
7440-70-2	Calcium	1410.00			P
7440-47-3	Chromium	46.10			P
7440-48-4	Cobalt	12.00			P
7440-50-8	Copper	89.90			P
7439-89-6	Iron	21900.00			P
7439-92-1	Lead	89.70		N	F
7439-95-4	Magnesium	7040.00			P
7439-96-5	Manganese	381.00			P
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	42.80			P
7440-09-7	Potassium	1860.00			P
7782-49-2	Selenium	1.00	U		F
7440-22-4	Silver	1.20	U	N	P
7440-23-5	Sodium	817.00	B		P
7440-28-0	Thallium	0.20	U		F
7440-62-2	Vanadium	30.60			P
7440-66-6	Zinc	108.00			P
	Cyanide	2.00	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-05

b Name: CEIMIC CORP Contract: MCLAREN HART

b Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

trix: (soil/water) SOIL Lab Sample ID: 910463-05

mple wt/vol: 5.0 (g/mL) G Lab File ID: E4914

vel: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 10 Date Analyzed: 08/14/91

lumn: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	13	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-05

ab Name: CEIMIC CORP Contract: MCLAREN HART

ab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

atrix: (soil/water) SOIL Lab Sample ID: 910463-05

ample wt/vol: 5.0 (g/mL) G Lab File ID: E4914

evel: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 10 Date Analyzed: 08/14/91

olumn (pack/cap) PACK Dilution Factor: 1.0

umber TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-05RE

ab Name: CEIMIC CORP Contract: MCLAREN HART

ab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

atrix: (soil/water) SOIL Lab Sample ID: 910463-05RE

ample wt/vol: 5.0 (g/mL) G Lab File ID: E4918

evel: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 10 Date Analyzed: 08/14/91

olumn: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	4	BJ
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-05RE

ab Name: CEIMIC CORP Contract: MCLAREN HART

ab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

atrix: (soil/water) SOIL Lab Sample ID: 910463-05RE

ample wt/vol: 5.0 (g/mL) G Lab File ID: E4918

evel: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 10 Date Analyzed: 08/14/91

olumn (pack/cap) PACK Dilution Factor: 1.0

umber TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-05

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-05

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D6238

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl Alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	bis(2-Chloroisopropyl)Ether	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-05

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-05

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D6238

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	58	J
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	300	J
129-00-0	Pyrene	290	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)Anthracene	160	J
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	140	J
207-08-9	Benzo(k)Fluoranthene	150	J
50-32-8	Benzo(a)Pyrene	150	J
193-39-5	Indeno(1,2,3-cd)Pyrene	87	J
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	68	J

(1) - Cannot be separated from Diphenylamine

UC 289

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-05

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-05

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D6238

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.53	680	BJ
2. 123422	2-Pentanone, 4-Hydroxy-4-Met	6.23	26000	ABJ
3. 000000	Unknown	7.88	1800	BJ
4. 000000	Unknown	8.97	300	BJ
5. 000000	Aliphatic hydrocarbon	30.16	150	BJ
6. 000000	Aliphatic hydrocarbon	33.26	190	BJ
7. 000000	Unknown alcohol	34.27	530	BJ
8. 000000	Aliphatic hydrocarbon	35.21	230	BJ
9. 000000	Aliphatic hydrocarbon	36.29	680	BJ
10. 000000	Aliphatic hydrocarbon	36.39	1300	BJ
11. 000000	Aliphatic hydrocarbon	38.12	490	BJ
12. 000000	Aliphatic hydrocarbon	38.97	910	BJ
13. 000000	Unknown	39.19	260	BJ
14. 000000	Unknown	40.59	300	BJ
15. 000000	Unknown	41.57	260	BJ
16. 000000	Unknown	42.14	230	BJ
17. 000000	Unknown	43.33	230	BJ

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-05

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/06/91

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.2	U
319-85-7	beta-BHC	9.2	U
319-86-8	delta-BHC	9.2	U
58-89-9	gamma-BHC (Lindane)	9.2	U
76-44-8	Heptachlor	9.2	U
309-00-2	Aldrin	9.2	U
1024-57-3	Heptachlor epoxide	9.2	U
959-98-8	Endosulfan I	9.2	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	Methoxychlor	92	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	92	U
5103-74-2	gamma-Chlordane	92	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	92	U
11104-28-2	Aroclor-1221	92	U
11141-16-5	Aroclor-1232	92	U
53469-21-9	Aroclor-1242	92	U
12672-29-6	Aroclor-1248	92	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

U 602

CLP METALS & CYANIDE

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGS-05

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGS-01

Matrix (soil/water): SOIL Lab Sample ID: 00463-05S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 86.0

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18400.00			P
7440-36-0	Antimony	5.80	U	N	P
7440-38-2	Arsenic	13.30		N	F
7440-39-3	Barium	77.20			P
7440-41-7	Beryllium	0.91			F
7440-43-9	Cadmium	2.90			P
7440-70-2	Calcium	2500.00			P
7440-47-3	Chromium	42.20			P
7440-48-4	Cobalt	12.40			P
7440-50-8	Copper	135.00			P
7439-89-6	Iron	24100.00			P
7439-92-1	Lead	98.10		N	F
7439-95-4	Magnesium	6040.00			P
7439-96-5	Manganese	451.00			P
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel	34.50			P
7440-09-7	Potassium	2740.00			P
7782-49-2	Selenium	0.90	U	W	F
7440-22-4	Silver	1.30	U	N	P
7440-23-5	Sodium	1020.00			P
7440-28-0	Thallium	0.24	B		F
7440-62-2	Vanadium	46.70			P
7440-66-6	Zinc	147.00			P
	Cyanide	2.00	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-06

ab Name: CEIMIC CORP Contract: MCLAREN HART

ab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

atrix: (soil/water) SOIL Lab Sample ID: 910463-06

ample wt/vol: 5.0 (g/mL) G Lab File ID: E4915

evel: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 24 Date Analyzed: 08/14/91

olumn: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	7	U
67-64-1	Acetone	8	BJ
75-15-0	Carbon Disulfide	7	U
75-35-4	1,1-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
540-59-0	1,2-Dichloroethene (total)	7	U
67-66-3	Chloroform	7	U
107-06-2	1,2-Dichloroethane	7	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
108-05-4	Vinyl Acetate	13	U
75-27-4	Bromodichloromethane	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
79-01-6	Trichloroethene	7	U
124-48-1	Dibromochloromethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
71-43-2	Benzene	7	U
10061-02-6	Trans-1,3-Dichloropropene	7	U
75-25-2	Bromoform	7	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
108-88-3	Toluene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
100-42-5	Styrene	7	U
1330-20-7	Total Xylenes	7	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-06

ab Name: CEIMIC CORP Contract: MCLAREN HART

ab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

atrix: (soil/water) SOIL Lab Sample ID: 910463-06

ample wt/vol: 5.0 (g/mL) G Lab File ID: E4915

evel: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 24 Date Analyzed: 08/14/91

olumn (pack/cap) PACK Dilution Factor: 1.0

umber TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-06

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-06

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6237

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	bis(2-Chloroisopropyl)Ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-06

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-06

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6237

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	92	J
120-12-7	Anthracene	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	150	J
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)Anthracene	89	J
218-01-9	Chrysene	98	J
117-81-7	bis(2-Ethylhexyl)Phthalate	77	BJ
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	87	J
207-08-9	Benzo(k)Fluoranthene	88	J
50-32-8	Benzo(a)Pyrene	88	J
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenz(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

UO 324

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-06

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-06

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6237

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.53	620	BJ
2. 123422	2-Pentanone, 4-Hydroxy-4-Met	6.23	25000	ABJ
3. 000000	Unknown	7.88	1700	BJ
4. 000000	Unknown	16.65	420	BJ
5. 000000	Unknown	25.67	250	BJ
6. 000000	Unknown	33.29	210	BJ
7. 000000	Unknown alcohol	34.26	1500	BJ
8. 000000	Aliphatic hydrocarbon	35.27	370	BJ
9. 000000	Aliphatic hydrocarbon	36.29	2000	BJ
10. 000000	Unknown alcohol	36.37	5000	BJ
11. 000000	Unknown	38.14	830	BJ
12. 000000	Aliphatic hydrocarbon	39.02	3200	BJ
13. 000000	Unknown alcohol	39.21	950	BJ
14. 000000	Unknown	39.39	420	BJ
15. 57885	Cholesterol (8CI)	40.17	16000	J
16. 000000	Unknown	40.94	3900	BJ
17. 000000	Unknown aldehyde	41.59	460	BJ
18. 000000	Unknown	42.13	1400	BJ
19. 000000	Aliphatic hydrocarbon	42.71	1400	BJ
20. 000000	Unknown	44.11	710	BJ

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-06

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-06

Sample wt/vol: 30.5 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/06/91

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.8	U
319-85-7	beta-BHC	9.8	U
319-86-8	delta-BHC	9.8	U
58-89-9	gamma-BHC (Lindane)	9.8	U
76-44-8	Heptachlor	9.8	U
309-00-2	Aldrin	9.8	U
1024-57-3	Heptachlor epoxide	9.8	U
959-98-8	Endosulfan I	9.8	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	49	
72-20-8	Endrin	20	U
33213-65-9	Endosulfan II	20	U
72-54-8	4,4'-DDD	20	U
1031-07-8	Endosulfan sulfate	20	U
50-29-3	4,4'-DDT	63	
72-43-5	Methoxychlor	98	U
53494-70-5	Endrin ketone	20	U
5103-71-9	alpha-Chlordane	98	U
5103-74-2	gamma-Chlordane	98	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	98	U
11104-28-2	Aroclor-1221	98	U
11141-16-5	Aroclor-1232	98	U
53469-21-9	Aroclor-1242	98	U
12672-29-6	Aroclor-1248	98	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	200	U

U 604

CLP METALS & CYANIDE

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGS-06

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGS-01

Matrix (soil/water): SOIL Lab Sample ID: 00463-06S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 79.6

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19000.00			P
7440-36-0	Antimony	6.40	U	N	P
7440-38-2	Arsenic	20.50		N	F
7440-39-3	Barium	109.00			P
7440-41-7	Beryllium	0.79	B		F
7440-43-9	Cadmium	2.60			P
7440-70-2	Calcium	2620.00			P
7440-47-3	Chromium	67.30			P
7440-48-4	Cobalt	10.30			P
7440-50-8	Copper	97.50			P
7439-89-6	Iron	20600.00			P
7439-92-1	Lead	543.00		N	F
7439-95-4	Magnesium	6960.00			P
7439-96-5	Manganese	323.00			P
7439-97-6	Mercury	0.32			CV
7440-02-0	Nickel	37.20			P
7440-09-7	Potassium	1340.00			P
7782-49-2	Selenium	1.00	U	W	F
7440-22-4	Silver	1.40	U	N	P
7440-23-5	Sodium	820.00	B		P
7440-28-0	Thallium	0.20	U		F
7440-62-2	Vanadium	46.80			P
7440-66-6	Zinc	246.00			P
	Cyanide	1.90	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-07

ab Name: CEIMIC CORP Contract: MCLAREN HART

ab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

atrix: (soil/water) SOIL Lab Sample ID: 910463-07

ample wt/vol: 5.0 (g/mL) G Lab File ID: E4916

evel: (low/med) LOW Date Received: 08/13/91

Moisture: not dec. 23 Date Analyzed: 08/14/91

olumn: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	13	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	13	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-07

Lab Name: CEIMIC CORP Contract: MCLAREN HART

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E4916

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 23 Date Analyzed: 08/14/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-07

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-07

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D6239

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	67	J
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	bis(2-Chloroisopropyl)Ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-07

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-07

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D6239

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	190	J
120-12-7	Anthracene	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	340	J
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)Anthracene	210	J
218-01-9	Chrysene	240	J
117-81-7	bis(2-Ethylhexyl)Phthalate	410	U
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	250	J
207-08-9	Benzo(k)Fluoranthene	150	J
50-32-8	Benzo(a)Pyrene	200	J
193-39-5	Indeno(1,2,3-cd)Pyrene	100	J
53-70-3	Dibenz(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	72	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-07

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-07

Sample wt/vol: 30.4 (g/mL) G Lab File ID: D6239

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.0

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.53	530	BJ
2. 123422	4-Hydroxy-4-methyl-2-pentano	6.23	21000	ABJ
3. 000000	Unknown	7.88	1300	BJ
4. 000000	Unknown	8.97	370	BJ
5. 000000	Unknown	16.64	210	BJ
6. 000000	Aliphatic hydrocarbon	30.16	210	BJ
7. 000000	Aliphatic hydrocarbon	34.27	1600	BJ
8. 000000	Aliphatic hydrocarbon	35.21	290	BJ
9. 000000	Aliphatic hydrocarbon	36.31	2800	BJ
10. 000000	Alcohol	36.39	3600	BJ
11. 000000	Unknown	38.14	990	BJ
12. 000000	Aliphatic hydrocarbon	38.97	1900	BJ
13. 000000	Alcohol	39.19	900	BJ
14. 000000	Unknown	39.36	490	BJ
15. 000000	Aldehyde	41.59	410	BJ
16. 000000	Unknown	43.33	370	BJ
17. 000000	Unknown	44.11	330	BJ

U 361

BGS-07

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: ALOC5- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-07

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. 20 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/06/91

GPC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	110	
72-20-8	Endrin	20	U
33213-65-9	Endosulfan II	20	U
72-54-8	4,4'-DDD	55	
1031-07-8	Endosulfan sulfate	20	U
50-29-3	4,4'-DDT	580	
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	20	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	200	U

U 609

SAMPLE ID

INORGANIC ANALYSIS DATA SHEET

BGS-07

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGS-01

Matrix (soil/water): SOIL Lab Sample ID: 00463-07S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 80.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20800.00			P
7440-36-0	Antimony	7.50	U	N	P
7440-38-2	Arsenic	58.60		N	F
7440-39-3	Barium	223.00			P
7440-41-7	Beryllium	1.10			F
7440-43-9	Cadmium	2.80			P
7440-70-2	Calcium	1390.00			P
7440-47-3	Chromium	73.20			P
7440-48-4	Cobalt	12.40			P
7440-50-8	Copper	232.00			P
7439-89-6	Iron	22800.00			P
7439-92-1	Lead	1100.00		NS	F
7439-95-4	Magnesium	7550.00			P
7439-96-5	Manganese	330.00			P
7439-97-6	Mercury	0.57			CV
7440-02-0	Nickel	42.90			P
7440-09-7	Potassium	1840.00			P
7782-49-2	Selenium	0.97	U	W	F
7440-22-4	Silver	1.60	U	N	P
7440-23-5	Sodium	858.00	B		P
7440-28-0	Thallium	0.19	U		F
7440-62-2	Vanadium	62.70			P
7440-66-6	Zinc	237.00			P
----------	Cyanide	2.00	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-08

Lab Name: CEIMIC CORP Contract: MCLAREN HART

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E4923

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 10 Date Analyzed: 08/15/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	BJ
67-64-1	Acetone	7	BJ
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	3	J
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

U 76

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-08

Name: CEIMIC CORP Contract: MCLAREN HART

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E4923

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 10 Date Analyzed: 08/15/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

U 77

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BGS-08

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-08

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6235

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl Alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	bis(2-Chloroisopropyl)Ether	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-08

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-08

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6235

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	71	J
129-00-0	Pyrene	68	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)Anthracene	47	J
218-01-9	Chrysene	53	J
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	57	J
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	43	J
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BGS-08

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-08

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6235

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.0

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.52	500	BJ
2. 123422	2-Pentanone, 4-Hydroxy-4-Met	6.22	19000	ABJ
3. 000000	Unknown	7.88	1100	BJ
4. 000000	Unknown	8.97	340	BJ
5. 000000	Unknown alcohol	34.29	840	BJ
6. 000000	Unknown	35.42	340	BJ
7. 000000	Aliphatic hydrocarbon	36.27	610	BJ
8. 000000	Unknown	36.42	800	BJ
9. 000000	Unknown	38.11	230	BJ
10. 000000	Aliphatic hydrocarbon	38.92	800	BJ
11. 000000	Unknown aidehyde	41.57	230	BJ
12. 000000	Aliphatic hydrocarbon	42.68	310	BJ
13. 000000	Unknown	42.96	420	BJ

PESTICIDE ORGANICS ANALYSIS DATA SHEET

BGS-08

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-08

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/06/91

GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.1	U
319-85-7	beta-BHC	9.1	U
319-86-8	delta-BHC	9.1	U
58-89-9	gamma-BHC (Lindane)	9.1	U
76-44-8	Heptachlor	9.1	U
309-00-2	Aldrin	9.1	U
1024-57-3	Heptachlor epoxide	9.1	U
959-98-8	Endosulfan I	9.1	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	37	
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	29	
72-43-5	Methoxychlor	91	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	91	U
5103-74-2	gamma-Chlordane	91	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	91	U
53469-21-9	Aroclor-1242	91	U
12672-29-6	Aroclor-1248	91	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

613A

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGS-08

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGS-01

Matrix (soil/water): SOIL Lab Sample ID: 00463-08S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 88.0

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16500.00			P
7440-36-0	Antimony	6.10	U	N	P
7440-38-2	Arsenic	11.50		N	F
7440-39-3	Barium	39.70			P
7440-41-7	Beryllium	0.85	B		F
7440-43-9	Cadmium	2.70			P
7440-70-2	Calcium	1440.00			P
7440-47-3	Chromium	50.00			P
7440-48-4	Cobalt	12.40			P
7440-50-8	Copper	59.00			P
7439-89-6	Iron	23400.00			P
7439-92-1	Lead	88.50		N	F
7439-95-4	Magnesium	7750.00			P
7439-96-5	Manganese	350.00			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	38.20			P
7440-09-7	Potassium	1860.00			P
7782-49-2	Selenium	1.10	U		F
7440-22-4	Silver	1.30	U	N	P
7440-23-5	Sodium	1060.00			P
7440-28-0	Thallium	0.21	U		F
7440-62-2	Vanadium	43.90			P
7440-66-6	Zinc	88.40			P
	Cyanide	1.40	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-09

Lab Name: CEIMIC CORP Contract: MCLAREN HART

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: BA673

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 11 Date Analyzed: 08/14/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

U 84

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-09

Lab Name: CEIMIC CORP Contract: MCLAREN HART

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: BA673

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 11 Date Analyzed: 08/14/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-09

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-09

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6234

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl Alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	bis(2-Chloroisopropyl)Ether	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
65-85-0	Benzoic Acid	340	J
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BGS-09

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-09

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6234

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	60	J
129-00-0	Pyrene	53	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	40	J
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

U 420

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-09

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-09

Sample wt/vol: 30.1 (g/mL) G Lab File ID: D6234

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.0

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.52	460	BJ
2. 123422	2-Pentanone, 4-Hydroxy-4-Met	6.20	19000	ABJ
3. 000000	Unknown	7.87	1000	BJ
4. 000000	Unknown aromatic	15.17	530	BJ
5. 000000	C8H8O3 isomer	17.85	380	BJ
6. 000000	Unknown alcohol	33.29	230	BJ
7. 000000	Unknown alcohol	34.27	1500	BJ
8. 000000	Unknown alcohol	35.32	880	BJ
9. 000000	Aliphatic hydrocarbon	36.29	1800	BJ
10. 000000	Unknown alcohol	36.39	3500	BJ
11. 000000	Unknown	38.11	460	BJ
12. 000000	Aliphatic hydrocarbon	38.97	3400	BJ
13. 000000	Unknown	39.17	3300	BJ
14. 000000	Unknown	39.34	760	BJ
15. 000000	Aliphatic hydrocarbon	42.69	1100	BJ
16. 000000	Unknown	43.29	690	BJ
17. 000000	Unknown	44.09	570	BJ

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-09

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-09

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/07/91

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.1	U
319-85-7	beta-BHC	9.1	U
319-86-8	delta-BHC	9.1	U
58-89-9	gamma-BHC (Lindane)	9.1	U
76-44-8	Heptachlor	9.1	U
309-00-2	Aldrin	9.1	U
1024-57-3	Heptachlor epoxide	9.1	U
959-98-8	Endosulfan I	9.1	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	110	
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	110	
72-43-5	Methoxychlor	91	U
53494-70-5	Endrin ketone	18	U
5103-71-9	alpha-Chlordane	91	U
5103-74-2	gamma-Chlordane	91	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	91	U
53469-21-9	Aroclor-1242	91	U
12672-29-6	Aroclor-1248	91	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGS-09

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGS-01

Matrix (soil/water): SOIL Lab Sample ID: 00463-09S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 87.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25800.00			P
7440-36-0	Antimony	7.00	B	N	P
7440-38-2	Arsenic	11.00		N	F
7440-39-3	Barium	49.10			P
7440-41-7	Beryllium	0.77	B		F
7440-43-9	Cadmium	3.40			P
7440-70-2	Calcium	1510.00			P
7440-47-3	Chromium	103.00			P
7440-48-4	Cobalt	12.70			P
7440-50-8	Copper	18.50			P
7439-89-6	Iron	26400.00			P
7439-92-1	Lead	40.10		N	F
7439-95-4	Magnesium	9620.00			P
7439-96-5	Manganese	460.00			P
7439-97-6	Mercury	0.27			CV
7440-02-0	Nickel	44.60			P
7440-09-7	Potassium	837.00	B		P
7782-49-2	Selenium	1.10	U	W	F
7440-22-4	Silver	1.50	U	N	P
7440-23-5	Sodium	1030.00	B		P
7440-28-0	Thallium	0.21	U		F
7440-62-2	Vanadium	66.70			P
7440-66-6	Zinc	73.70			P
----------	Cyanide	1.90	U		C

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-11

Lab Name: CEIMIC CORP Contract: MCLAREN HART

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: BA674

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 12 Date Analyzed: 08/14/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-11

Lab Name: CEIMIC CORP Contract: MCLAREN HART

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: BA674

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 12 Date Analyzed: 08/14/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

U 90

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-11

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-10

Sample wt/vol: 30.3 (g/mL) G Lab File ID: I0399

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 19 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	bis(2-Chloroisopropyl)Ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-11

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-10

Sample wt/vol: 30.3 (g/mL) G Lab File ID: I0399

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 19 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)Anthracene	61	J
218-01-9	Chrysene	120	J
117-81-7	bis(2-Ethylhexyl)Phthalate	410	U
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	84	J
207-08-9	Benzo(k)Fluoranthene	46	J
50-32-8	Benzo(a)Pyrene	60	J
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenz(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	44	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGS-11

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-10

Sample wt/vol: 30.3 (g/mL) G Lab File ID: I0399

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. 19 dec. ____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/28/91

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000	Unknown	5.67	330	BJ
2. 123422	4-Hydroxy-4-methyl-2-pentano	6.33	13000	ABJ
3. 000000	Unknown	7.98	810	BJ
4. 000000	Unknown	9.12	410	BJ
5. 000000	Aliphatic hydrocarbon	26.74	160	BJ
6. 000000	Unknown	34.42	810	BJ
7. 000000	Aliphatic hydrocarbon	35.36	160	BJ
8. 000000	Aliphatic hydrocarbon	36.47	730	BJ
9. 000000	Unknown	36.66	770	BJ
10. 000000	Aliphatic hydrocarbon	39.27	770	BJ
11. 000000	Unknown	39.67	240	BJ
12. 000000	Unknown	43.46	240	BJ

1B

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGS-11

Lab Name: CEIMIC CORP Contract: _____

Lab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: BGS-01

Matrix: (soil/water) SOIL Lab Sample ID: 910463-10

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. 19 dec. _____ Date Extracted: 08/14/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/07/91

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.8	U
319-85-7	beta-BHC	9.8	U
319-86-8	delta-BHC	9.8	U
58-89-9	gamma-BHC (Lindane)	9.8	U
76-44-8	Heptachlor	9.8	U
309-00-2	Aldrin	9.8	U
1024-57-3	Heptachlor epoxide	9.8	U
959-98-8	Endosulfan I	9.8	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	20	U
72-20-8	Endrin	20	U
33213-65-9	Endosulfan II	20	U
72-54-8	4,4'-DDD	20	U
1031-07-8	Endosulfan sulfate	20	U
50-29-3	4,4'-DDT	20	U
72-43-5	Methoxychlor	98	U
53494-70-5	Endrin ketone	20	U
5103-71-9	alpha-Chlordane	98	U
5103-74-2	gamma-Chlordane	98	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	98	U
11104-28-2	Aroclor-1221	98	U
11141-16-5	Aroclor-1232	98	U
53469-21-9	Aroclor-1242	98	U
12672-29-6	Aroclor-1248	98	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	200	U

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGS-11

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGS-01

Matrix (soil/water): SOIL Lab Sample ID: 00463-10S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 81.8

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23100.00			P
7440-36-0	Antimony	6.50	U	N	P
7440-38-2	Arsenic	12.30		N	F
7440-39-3	Barium	89.90			P
7440-41-7	Beryllium	0.86	B		F
7440-43-9	Cadmium	3.00			P
7440-70-2	Calcium	2020.00			P
7440-47-3	Chromium	82.60			P
7440-48-4	Cobalt	15.40			P
7440-50-8	Copper	63.20			P
7439-89-6	Iron	25900.00			P
7439-92-1	Lead	77.80		N	F
7439-95-4	Magnesium	11200.00			P
7439-96-5	Manganese	325.00			P
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	53.50			P
7440-09-7	Potassium	2660.00			P
7782-49-2	Selenium	0.96	U	W	F
7440-22-4	Silver	1.40	U	N	P
7440-23-5	Sodium	1370.00			P
7440-28-0	Thallium	0.19	U		F
7440-62-2	Vanadium	56.80			P
7440-66-6	Zinc	120.00			P
	Cyanide	1.70	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRB-16-04

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRB-16-04

Matrix: (soil/water) WATER Lab Sample ID: 910465-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4471

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRB-16-04

Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRB-16-04

Matrix: (soil/water) WATER Lab Sample ID: 910465-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4471

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGRB-16-04

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRB-16-04

Matrix: (soil/water) WATER Lab Sample ID: 910465-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4471

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRB-16-04

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRB-16-04

Matrix: (soil/water) WATER Lab Sample ID: 910465-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: J0375

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/17/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRB-16-04

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRB-16-04

Matrix: (soil/water) WATER Lab Sample ID: 910465-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: J0375

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/17/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	2 ~~10~~	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

U 219

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRB-16-04

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRB-16-04

Matrix: (soil/water) WATER Lab Sample ID: 910465-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: J0375

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/17/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

U 219

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGRB-16-04

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRB-16-04

Matrix: (soil/water) WATER Lab Sample ID: 910465-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: J0375

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/17/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

PESTICIDE ORGANICS ANALYSIS DATA SHEET

BGRB-16-04

Lab Name: CEIMIC CORP Contract: _____

ab Code: _____ Case No.: AL005- SAS No.: _____ SDG No.: BGRB-1

Matrix: (soil/water) WATER Lab Sample ID: 910465-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/08/91

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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METALS & CYANIDE

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGRB-16-04

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGRB-16-04

Matrix (soil/water): WATER Lab Sample ID: 00465-01S

Level (low/med): LOW Date Received: 08/13/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	86.00	B	*	P
7440-36-0	Antimony	32.00	U		P
7440-38-2	Arsenic	4.00	U	N*	F
7440-39-3	Barium	5.00	U		P
7440-41-7	Beryllium	0.25	B		F
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	158.00	B		P
7440-47-3	Chromium	7.00	B	*	P
7440-48-4	Cobalt	17.00	U		P
7440-50-8	Copper	16.00	U	*	P
7439-89-6	Iron	95.00	U	*	P
7439-92-1	Lead	3.60		N*	F
7439-95-4	Magnesium	118.00	U		P
7439-96-5	Manganese	2.00	B	N*	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	27.00	U		P
7440-09-7	Potassium	810.00	U		P
7782-49-2	Selenium	5.00	U	WP	F
7440-22-4	Silver	7.00	U	N	P
7440-23-5	Sodium	369.00	B		P
7440-28-0	Thallium	1.00	U		F
7440-62-2	Vanadium	7.00	U		P
7440-66-6	Zinc	12.00	U	*	P
----------	Cyanide	10.00	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRH-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA722

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	150	
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

U .026

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRH-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-05 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA722

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	150	
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

U 026

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGRH-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: ALOCE-CS SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: BA722

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. _____ Date Analyzed: 08/15/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

U 027

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRH-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

b Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A8637

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 09/06/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/07/91

GPC Cleanup: (Y/N) N pH: 8.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BGRH-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A8637

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 09/06/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/07/91

GPC Cleanup: (Y/N) N pH: 8.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	2 ~~10~~	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

U 279

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRH-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A8637

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 09/06/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/07/91

GPC Cleanup: (Y/N) N pH: 8.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGRH-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A8637

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 09/06/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/07/91

GPC Cleanup: (Y/N) N pH: 8.4 Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

U 280

PESTICIDE I. ANALYSIS ANALYSIS DATA SHEET

BGRH-01

Lab Name: CHEMIC CORP Contract: _____

Lab Code: _____ Case No.: [illegible] SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/15/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 08/18/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 09/04/91

GPC Cleanup: (Y/N) N pH: 8.4 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGRH-01

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGRH-01

Matrix (soil/water): WATER Lab Sample ID: 00467-01S

Level (low/med): LOW Date Received: 08/14/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	95.00	B		P
7440-36-0	Antimony	32.00	U		P
7440-38-2	Arsenic	4.00	U	N	F
7440-39-3	Barium	5.00	U		P
7440-41-7	Beryllium	1.00	U	N	F
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	331000.00			P
7440-47-3	Chromium	6.00	B		P
7440-48-4	Cobalt	17.00	U		P
7440-50-8	Copper	16.00	U		P
7439-89-6	Iron	95.00	U	E	P
7439-92-1	Lead	1.00	U	W	F
7439-95-4	Magnesium	902000.00		E	P
7439-96-5	Manganese	4.00	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	27.00	U		P
7440-09-7	Potassium	267000.00			P
7782-49-2	Selenium	5.00	U	W	F
7440-22-4	Silver	7.00	U	N	P
7440-23-5	Sodium	8720000.00			P
7440-28-0	Thallium	10.00	U		F
7440-62-2	Vanadium	7.00	U		P
7440-66-6	Zinc	12.00	U		P
	Cyanide	10.00	U	N	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

BGRL-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA730

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	B
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	7	
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

U 034

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRL-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-05 SAS No.: _____ SDG No.: BGRH-0

Matrix: (soil/water) WATER Lab Sample ID: 910467-02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA730

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. _____ Date Analyzed: 08/18/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	B
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	7	
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

U 034

1C

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGRL-01

b Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-05 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA730

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRL-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A8556

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/17/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/27/91

GPC Cleanup: (Y/N) N pH: 8.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRL-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A8556

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/17/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/27/91

GPC Cleanup: (Y/N) N pH: 8.5 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	2 ~~10~~	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

TS 10/2/91

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BGRL-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A8556

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/17/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/27/91

GPC Cleanup: (Y/N) N pH: 8.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BGRL-01

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A8556

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 08/17/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/27/91

GPC Cleanup: (Y/N) N pH: 8.5 Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Lab Name: CEIMIC CORP	Contract:		SSBL-01
Lab Code:	Case No.: AL008+	SAS No.:	SDG No.: SSBH-01
Matrix: (soil/water) WATER		Lab Sample ID:	910487-02
Sample wt/vol: 1000 (g/mL) ML		Lab File ID:	
Level: (low/med) LOW		Date Received:	08/15/91
% Moisture: not dec. ____	dec. ____	Date Extracted:	08/18/91
Extraction: (SepF/Cont/Sonc) SEPF		Date Analyzed:	09/04/91
GPC Cleanup: (Y/N) N	pH: 8.5	Dilution Factor:	1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

INORGANIC ANALYSIS DATA SHEET

SAMPLE ID

BGRL-01

Lab Name: CEIMIC Contract: AL005-08

Lab Code: CEIMIC Case No.: HART SAS No.: SDG No.: BGRH-01

Matrix (soil/water): WATER Lab Sample ID: 00467-02S

Level (low/med): LOW Date Received: 08/14/91

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	79.00	B		P
7440-36-0	Antimony	32.00	U		P
7440-38-2	Arsenic	4.30	B	N	F
7440-39-3	Barium	5.00	U		P
7440-41-7	Beryllium	1.00	U	N	F
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	312000.00			P
7440-47-3	Chromium	5.00	U		P
7440-48-4	Cobalt	17.00	U		P
7440-50-8	Copper	16.00	U		P
7439-89-6	Iron	95.00	U	E	P
7439-92-1	Lead	1.00	U	W	F
7439-95-4	Magnesium	852000.00		E	P
7439-96-5	Manganese	4.00	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	27.00	U		P
7440-09-7	Potassium	324000.00			P
7782-49-2	Selenium	5.00	U	W	F
7440-22-4	Silver	7.00	U	N	P
7440-23-5	Sodium	9290000.00			P
7440-28-0	Thallium	10.00	U		F
7440-62-2	Vanadium	7.00	U		P
7440-66-6	Zinc	12.00	U		P
	Cyanide	10.00	U	N	C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TB070991

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: JS-01-

atrix: (soil/water) WATER Lab Sample ID: 910387-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4233

Level: (low/med) LOW Date Received: 07/10/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	5	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	B
67-64-1	Acetone	24	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB070991

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: JS-01-

Matrix: (soil/water) WATER Lab Sample ID: 910387-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4233

Level: (low/med) LOW Date Received: 07/10/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	5	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	B
67-64-1	Acetone	24	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB070991

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: JS-01-

Matrix: (soil/water) WATER Lab Sample ID: 910387-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4233

Level: (low/med) LOW Date Received: 07/10/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0 107

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB071091

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: JS-01-

Matrix: (soil/water) WATER Lab Sample ID: 910387-11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4235

Level: (low/med) LOW Date Received: 07/10/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	7	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	9	B
67-64-1	Acetone	16	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071091

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: JS-01-

Matrix: (soil/water) WATER Lab Sample ID: 910387-11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4235

Level: (low/med) LOW Date Received: 07/10/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	7	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	9	B
67-64-1	Acetone	16	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

FORM I VOA

1/87 Rev.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB071091

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: JS-01-

Matrix: (soil/water) WATER Lab Sample ID: 910387-11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4235

Level: (low/med) LOW Date Received: 07/10/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071091

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

b Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DCS-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910390-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4224

Level: (low/med) LOW Date Received: 07/11/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	3	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	~~10~~ 2	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
67-64-1	Acetone	13	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	~~5~~ 2	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

MC 10/2/91

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071091

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DCS-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910390-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4224

Level: (low/med) LOW Date Received: 07/11/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q	
74-87-3	Chloromethane	3	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
67-64-1	Acetone	13	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB071091

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-03 SAS No.: _____ SDG No.: DCS-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910390-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4224

Level: (low/med) LOW Date Received: 07/11/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071191

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DCS-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910390-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4225

Level: (low/med) LOW Date Received: 07/11/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	3	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	
67-64-1	Acetone	11	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071191

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DCS-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910390-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4225

Level: (low/med) LOW Date Received: 07/11/91

% Moisture: not dec. ____ Date Analyzed: 07/17/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	3	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	
67-64-1	Acetone	11	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB071191

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DCS-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910330-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4225

Level: (low/med) LOW Date Received: 07/11/91

% Moisture: not dec. _____ Date Analyzed: 07/17/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071291

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: SS-14 (12-14)

Matrix: (soil/water) WATER Lab Sample ID: 910395-12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4218

Level: (low/med) LOW Date Received: 07/12/91

% Moisture: not dec. ____ Date Analyzed: 07/16/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	4	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
67-64-1	Acetone	14	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071291

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: SS-14 (12-14)

Matrix: (soil/water) WATER Lab Sample ID: 910395-12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4218

Level: (low/med) LOW Date Received: 07/12/91

% Moisture: not dec. ____ Date Analyzed: 07/16/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	4	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
67-64-1	Acetone	14	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

FORM I VOA 1/87 Rev.

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB071291

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC ; Case No.: AL005- SAS No.: _____ SDG No.: SS-14(1-7/4

Matrix: (soil/water) WATER Lab Sample ID: 910395-12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4218

Level: (low/med) LOW Date Received: 07/12/91

% Moisture: not dec. ____ Date Analyzed: 07/16/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DRB-08-04

Matrix: (soil/water) WATER Lab Sample ID: 910404-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4247

Level: (low/med) LOW Date Received: 07/16/91

% Moisture: not dec. ____ Date Analyzed: 07/18/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	3	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	14	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

TS 10/2/91

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: DRB-08

Matrix: (soil/water) WATER Lab Sample ID: 910404-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4247

Level: (low/med) LOW Date Received: 07/16/91

% Moisture: not dec. ____ Date Analyzed: 07/18/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	3	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	14	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB071691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: DRB-08

Matrix: (soil/water) WATER Lab Sample ID: 910404-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4247

Level: (low/med) LOW Date Received: 07/16/91

% Moisture: not dec. ____ Date Analyzed: 07/18/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071791

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

b Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DRB-08-04

Matrix: (soil/water) WATER Lab Sample ID: 910404-21

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4248

Level: (low/med) LOW Date Received: 07/17/91

% Moisture: not dec. ____ Date Analyzed: 07/18/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	2	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	B
67-64-1	Acetone	17	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071791

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: DRB-08

Matrix: (soil/water) WATER Lab Sample ID: 910404-21

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4248

Level: (low/med) LOW Date Received: 07/17/91

% Moisture: not dec. ____ Date Analyzed: 07/18/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	2	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	B
67-64-1	Acetone	17	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB071791

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005- SAS No.: _____ SDG No.: DRB-08

Matrix: (soil/water) WATER Lab Sample ID: 910404-21

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4248

Level: (low/med) LOW Date Received: 07/17/91

% Moisture: not dec. ____ Date Analyzed: 07/18/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071891

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BASB-01(5-7)

Matrix: (soil/water) WATER Lab Sample ID: 910410-19

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4274

Level: (low/med) LOW Date Received: 07/19/91

% Moisture: not dec. ____ Date Analyzed: 07/23/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	16	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~8~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB071891

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: SDG No.: BASB-01(5-7)

Matrix: (soil/water) WATER Lab Sample ID: 910410-19

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4274

Level: (low/med) LOW Date Received: 07/19/91

% Moisture: not dec. Date Analyzed: 07/23/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	16	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB071891

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BASB-01(5-7)

Matrix: (soil/water) WATER Lab Sample ID: 910410-19

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4274

Level: (low/med) LOW Date Received: 07/19/91

% Moisture: not dec. _____ Date Analyzed: 07/23/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB072491

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: JSB-170(0-2)

Matrix: (soil/water) WATER Lab Sample ID: 910418-08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C8219

Level: (low/med) LOW Date Received: 07/24/91

% Moisture: not dec. ____ Date Analyzed: 07/27/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB072491

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: JSB-17(0-3)

Matrix: (soil/water) WATER Lab Sample ID: 910418-08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C8219

Level: (low/med) LOW Date Received: 07/24/91

% Moisture: not dec. ____ Date Analyzed: 07/27/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB072491

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: JSB-17B(0-3)

Matrix: (soil/water) WATER Lab Sample ID: 910418-08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C8219

Level: (low/med) LOW Date Received: 07/24/91

% Moisture: not dec. ____ Date Analyzed: 07/27/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB072691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: JSB-178(0-2)

Matrix: (soil/water) WATER Lab Sample ID: 910418-13

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4315

Level: (low/med) LOW Date Received: 07/26/91

% Moisture: not dec. ____ Date Analyzed: 07/29/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	23	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB072691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: JSB-178(0-2)

Matrix: (soil/water) WATER Lab Sample ID: 910418-13

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4315

Level: (low/med) LOW Date Received: 07/26/91

% Moisture: not dec. ____ Date Analyzed: 07/29/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	23	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB072691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: JSB-17B(0-2)

Matrix: (soil/water) WATER Lab Sample ID: 910418-13

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4315

Level: (low/med) LOW Date Received: 07/26/91

% Moisture: not dec. ____ Date Analyzed: 07/29/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB073091

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: SD-01(0-0.5)

Matrix: (soil/water) WATER Lab Sample ID: 910427-11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA456

Level: (low/med) LOW Date Received: 07/30/91

% Moisture: not dec. ____ Date Analyzed: 07/31/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB073091

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: SD-01(0-0.5)

Matrix: (soil/water) WATER Lab Sample ID: 910427-11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA456

Level: (low/med) LOW Date Received: 07/30/91

% Moisture: not dec. ____ Date Analyzed: 07/31/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB073091

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: SD-01 (0-0.5)

Matrix: (soil/water) WATER Lab Sample ID: 910427-11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA456

Level: (low/med) LOW Date Received: 07/30/91

% Moisture: not dec. _____ Date Analyzed: 07/31/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080191

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: TB080191

Matrix: (soil/water) WATER Lab Sample ID: 910435-03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4323

Level: (low/med) LOW Date Received: 08/01/91

% Moisture: not dec. ____ Date Analyzed: 08/02/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	9 ~~13~~	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

Revised: 9/13/91 CAK

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080191

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: TB080191

Matrix: (soil/water) WATER Lab Sample ID: 910435-03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4323

Level: (low/med) LOW Date Received: 08/01/91

% Moisture: not dec. ____ Date Analyzed: 08/02/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	9 ~~13~~	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

Revised: 9/13/91 CGK

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB080191

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: TB080191

Matrix: (soil/water) WATER Lab Sample ID: 910435-03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4323

Level: (low/med) LOW Date Received: 08/01/91

% Moisture: not dec. ____ Date Analyzed: 08/02/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080291

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-09 SAS No.: _____ SDG No.: DRB-15-04

Matrix: (soil/water) WATER Lab Sample ID: 910440-15

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA540

Level: (low/med) LOW Date Received: 08/03/91

% Moisture: not dec. ____ Date Analyzed: 08/05/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080291

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DRB-15-04

Matrix: (soil/water) WATER Lab Sample ID: 910440-15

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA540

Level: (low/med) LOW Date Received: 08/03/91

% Moisture: not dec. ____ Date Analyzed: 08/05/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB080291

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DRB-15-04

Matrix: (soil/water) WATER Lab Sample ID: 910440-15

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA540

Level: (low/med) LOW Date Received: 08/03/91

% Moisture: not dec. ____ Date Analyzed: 08/05/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080591

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DW-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910444-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4384

Level: (low/med) LOW Date Received: 08/05/91

% Moisture: not dec. ____ Date Analyzed: 08/06/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080591

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DW-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910444-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4384

Level: (low/med) LOW Date Received: 08/05/91

% Moisture: not dec. ____ Date Analyzed: 08/06/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB080591

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DW-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910444-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4384

Level: (low/med) LOW Date Received: 08/05/91

% Moisture: not dec. ____ Date Analyzed: 08/06/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

L Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DW-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910444-20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4393

Level: (low/med) LOW Date Received: 08/06/91

% Moisture: not dec. ____ Date Analyzed: 08/07/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

TS 10/2/91

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DW-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910444-20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4393

Level: (low/med) LOW Date Received: 08/06/91

% Moisture: not dec. _____ Date Analyzed: 08/07/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB080691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: DW-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910444-20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4393

Level: (low/med) LOW Date Received: 08/06/91

% Moisture: not dec. _____ Date Analyzed: 08/07/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080791

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: FSB-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910448-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4399

Level: (low/med) LOW Date Received: 08/07/91

% Moistur : not dec. _____ Date Analyzed: 08/07/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080791

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: FSB-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910448-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4399

Level: (low/med) LOW Date Received: 08/07/91

% Moisture: not dec. ____ Date Analyzed: 08/07/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB080791

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: FSB-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910448-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4399

Level: (low/med) LOW Date Received: 08/07/91

% Moisture: not dec. ____ Date Analyzed: 08/07/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB081391

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRB-16-04

Matrix: (soil/water) WATER Lab Sample ID: 910465-18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4477

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	3	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB081391

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRB-16-04

Matrix: (soil/water) WATER Lab Sample ID: 910465-18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4477

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	3	J

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB081391

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRB-16-04

Matrix: (soil/water) WATER Lab Sample ID: 910465-18

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4477

Level: (low/med) LOW Date Received: 08/13/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

U 123

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB081491

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA735

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. _____ Date Analyzed: 08/18/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB081491

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-05 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA735

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. ____ Date Analyzed: 08/18/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB081491

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-05 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA735

Level: (low/med) LOW Date Received: 08/14/91

% Moisture: not dec. _____ Date Analyzed: 08/19/91

Column (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB081591

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-34

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA747

Level: (low/med) LOW Date Received: 08/15/91

% Moisture: not dec. _____ Date Analyzed: 08/21/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	11	B
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB081591

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-34

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA747

Level: (low/med) LOW Date Received: 08/15/91

% Moisture: not dec. _____ Date Analyzed: 08/21/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	11	B
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB081591

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

b Code: CEIMIC Case No.: AL005-05 SAS No.: _____ SDG No.: BGRH-01

Matrix: (soil/water) WATER Lab Sample ID: 910467-34

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BA747

Level: (low/med) LOW Date Received: 08/15/91

% Moisture: not dec. _____ Date Analyzed: 08/21/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

TB081691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: JW-04-04

Matrix: (soil/water) WATER Lab Sample ID: 910468-23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E4952

Level: (low/med) LOW Date Received: 08/16/91

% Moisture: not dec. ____ Date Analyzed: 08/22/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB081691

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: JW-04-04

Matrix: (soil/water) WATER Lab Sample ID: 910468-23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E4952

Level: (low/med) LOW Date Received: 08/16/91

% Moisture: not dec. ____ Date Analyzed: 08/22/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB081691

Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-05 SAS No.: _____ SDG No.: JW-04-04

Matrix: (soil/water) WATER Lab Sample ID: 910468-23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: E4952

Level: (low/med) LOW Date Received: 08/16/91

% Moisture: not dec. ____ Date Analyzed: 08/22/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB082191

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: OF-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910476-14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4518

Level: (low/med) LOW Date Received: 08/21/91

% Moisture: not dec. ____ Date Analyzed: 08/23/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	~~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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB082191

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: OF-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910476-14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4518

Level: (low/med) LOW Date Received: 08/21/91

% Moisture: not dec. ____ Date Analyzed: 08/23/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB082191

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-18 SAS No.: _____ SDG No.: OF-01-04

Matrix: (soil/water) WATER Lab Sample ID: 910476-14

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4518

Level: (low/med) LOW Date Received: 08/21/91

% Moisture: not dec. ____ Date Analyzed: 08/23/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB082791

b Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: FRB-19-04

Matrix: (soil/water) WATER Lab Sample ID: 910483-15

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4582

Level: (low/med) LOW Date Received: 08/27/91

% Moisture: not dec. _____ Date Analyzed: 09/01/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	2 ~~10~~	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2 ~~5~~	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB082791

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: FRB-13-04

Matrix: (soil/water) WATER Lab Sample ID: 910483-15

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4582

Level: (low/med) LOW Date Received: 08/27/91

% Moisture: not dec. ____ Date Analyzed: 09/01/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB082791

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-08 SAS No.: _____ SDG No.: FRB-19-04

Matrix: (soil/water) WATER Lab Sample ID: 910483-15

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F4582

Level: (low/med) LOW Date Received: 08/27/91

% Moisture: not dec. ____ Date Analyzed: 09/01/91

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB111391

Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-15 SAS No.: _____ SDG No.: STSE-16I NW

Matrix: (soil/water) WATER Lab Sample ID: 910629-08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BB595

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. ____ Date Analyzed: 11/21/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	18	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

FORM I VOA 1/87 Rev.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB111391

Lab Name: CEIMIC CORPORATION

Contract: McLaren/Hart

Lab Code: CEIMIC

Case No.: AL005-15

SAS NO.: _____

SDG NO.: STSE-16INW

Matrix: (soil/water) WATER

Lab Sample ID: 910629-08

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: BB595

Level: (low/med) LOW

Date Received: 11/14/91

% Moisture: not dec. _____

Date Analyzed: 11/21/91

Column: (pack/cap) CAP

Dilution Factor: 1.0

Target Analyte	Concentration Units: (ug/L or ug/kg) UG/L	Q
Acetonitrile	200	U
Acrolein	150	U
Acrylonitrile	150	U
Allyl chloride	100	U
Chloroprene	100	U
1,2-Dibromo-3-chloropropane	5	U
1,2-Dibromoethane	5	U
Dibromomethane	5	U
trans-1,4-Dichloro-2-butene	5	U
Dichlorodifluoromethane	10	U
1,4-Dioxane	200	U
Ethyl cyanide	100	U
Ethyl methacrylate	100	U
Iodomethane	40	U
Isobutyl alcohol	200	U
Methacrylonitrile	100	U
Methyl methacrylate	100	U
Pyridine	1,000	U
1,1,1,2-Tetrachloroethane	5	U
Trichlorofluoromethane	10	U
1,2,3-Trichloropropane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB111491

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-15 SAS No.: _____ SDG No.: STSE-16INW

Matrix: (soil/water) WATER Lab Sample ID: 910629-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BB596

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. ____ Date Analyzed: 11/21/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	2	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	36	
75-15-0	Carbon Disulfide	4	J
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

FORM I VOA 1/87 Rev.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB111491

Lab Name: CEIMIC CORPORATION Contract: McLaren/Hart

Lab Code: CEIMIC Case No.: AL005-15 SAS NO.: _____ SDG NO.: STSE-16INW

Matrix: (soil/water) WATER Lab Sample ID: 910629-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BB596

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. _____ Date Analyzed: 11/21/91

Column: (pack/cap) CAP Dilution Factor: 1.0

Target Analyte	Concentration Units: (ug/L or ug/kg) UG/L	Q
Acetonitrile	200	U
Acrolein	150	U
Acrylonitrile	150	U
Allyl chloride	100	U
Chloroprene	100	U
1,2-Dibromo-3-chloropropane	5	U
1,2-Dibromoethane	5	U
Dibromomethane	5	U
trans-1,4-Dichloro-2-butene	5	U
Dichlorodifluoromethane	10	U
1,4-Dioxane	200	U
Ethyl cyanide	100	U
Ethyl methacrylate	100	U
Iodomethane	40	U
Isobutyl alcohol	200	U
Methacrylonitrile	100	U
Methyl methacrylate	100	U
Pyridine	1,000	U
1,1,1,2-Tetrachloroethane	5	U
Trichlorofluoromethane	10	U
1,2,3-Trichloropropane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB111491B

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-15 SAS No.: _____ SDG No.: STSE-16INW

Matrix: (soil/water) WATER Lab Sample ID: 910629-15

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BB619

Level: (low/med) LOW Date Received: 11/15/91

% Moisture: not dec. ____ Date Analyzed: 11/22/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB111491

Lab Name: CEIMIC CORPORATION Contract: McLaren/Hart

Lab Code: CEIMIC Case No.: AL005-15 SAS NO.: _____ SDG NO.: STSE-16INW

Matrix: (soil/water) WATER Lab Sample ID: 910629-15

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BB619

Level: (low/med) LOW Date Received: 11/15/91

% Moisture: not dec. _____ Date Analyzed: 11/22/91

Column: (pack/cap) CAP Dilution Factor: 1.0

Target Analyte	Concentration Units: (ug/L or ug/kg) UG/L	Q
Acetonitrile	200	U
Acrolein	150	U
Acrylonitrile	150	U
Allyl chloride	100	U
Chloroprene	100	U
1,2-Dibromo-3-chloropropane	5	U
1,2-Dibromoethane	5	U
Dibromomethane	5	U
trans-1,4-Dichloro-2-butene	5	U
Dichlorodifluoromethane	10	U
1,4-Dioxane	200	U
Ethyl cyanide	100	U
Ethyl methacrylate	100	U
Iodomethane	40	U
Isobutyl alcohol	200	U
Methacrylonitrile	100	U
Methyl methacrylate	100	U
Pyridine	1,000	U
1,1,1,2-Tetrachloroethane	5	U
Trichlorofluoromethane	10	U
1,2,3-Trichloropropane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB111891

Lab Name: CEIMIC CORP Contract: MCLAREN HAR

Lab Code: CEIMIC Case No.: AL005-15 SAS No.: _____ SDG No.: STSE-16INW

Matrix: (soil/water) WATER Lab Sample ID: 910629-20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BB631

Level: (low/med) LOW Date Received: 11/18/91

% Moisture: not dec. ____ Date Analyzed: 11/23/91

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	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	10	U
591-78-6	2-Hexanone	10	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
100-42-5	Styrene	5	U
1330-20-7	Total Xylenes	5	U

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CEIMIC
CORPORATION
"Analytical Chemistry for Environmental Management"

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB111891

Lab Name: CEIMIC CORPORATION Contract: McLaren/Hart

Lab Code: CEIMIC Case No.: AL005-15 SAS NO.: _____ SDG NO.: STSE-16INW

Matrix: (soil/water) WATER Lab Sample ID: 910629-20

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: BB631

Level: (low/med) LOW Date Received: 11/~~20~~18/91

% Moisture: not dec. _____ Date Analyzed: 11/23/91

Column: (pack/cap) CAP Dilution Factor: 1.0

Target Analyte	Concentration Units: (ug/L or ug/kg) UG/L	Q
Acetonitrile	200	U
Acrolein	150	U
Acrylonitrile	150	U
Allyl chloride	100	U
Chloroprene	100	U
1,2-Dibromo-3-chloropropane	5	U
1,2-Dibromoethane	5	U
Dibromomethane	5	U
trans-1,4-Dichloro-2-butene	5	U
Dichlorodifluoromethane	10	U
1,4-Dioxane	200	U
Ethyl cyanide	100	U
Ethyl methacrylate	100	U
Iodomethane	40	U
Isobutyl alcohol	200	U
Methacrylonitrile	100	U
Methyl methacrylate	100	U
Pyridine	1,000	U
1,1,1,2-Tetrachloroethane	5	U
Trichlorofluoromethane	10	U
1,2,3-Trichloropropane	5	U

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APPENDIX V

SOIL GAS SURVEY CHROMATOGRAMS

SOIL GAS SURVEY CHROMATOGRAMS

CHROMATOGRAM Nº	EXPLANATION OF CHROMATOGRAM
1	Instrument Blank
2	Syringe Blank (50uL)
3	Benzene Standard (programmed)
4	Toluene Standard
5	Toluene Standard (programmed)
6	Xylene Standard
7	Xylene Standard
8	Gas Collection Tube Blank
9	Syringe Blank
10	Background Sample BG-1-2'6" (1415)
11	Background Sample BG-1-3'8" (1430)
12	Xylene Standard
13	Xylene Standard (increased gain)
14	Benzene Standard
15	Toluene Standard
16	Syringe Blank
17	Sample SG-1-3'10" (1540)
18	Sample SG-2-2'5" (1620)
19	Sample SG-2-5'0" (1635)
20	Sample SG-2-7'6" (1650)
21	Sample SG-2-7'6" (1650) (reanalysis)

SOIL GAS SURVEY CHROMATOGRAMS

CHROMATOGRAM Nº	EXPLANATION OF CHROMATOGRAM
22	Xylene Standard (increased gain and analysis time)
23	Gas Tank Air Sample
24	Syringe Blank
25	Xylene Standard (increased gain)
26	Benzene Standard
27	Syringe Blank (end of day -- 07/09/91)
28	Instrument Blank (beginning of day -- 07/10/91)
29	Syringe Blank
30	Syringe Blank
31	Benzene Standard
32	Syringe Blank
33	Toluene Standard
34	Syringe Blank
35	Xylene Standard (programmed)
36	Syringe Blank
37	Sample SG-3-2'6" (0830)
38	Syringe Blank
39	Syringe Blank
40	Benzene Standard
41	Syringe Blank
42	Syringe Blank

SOIL GAS SURVEY CHROMATOGRAMS

CHROMATOGRAM Nº	EXPLANATION OF CHROMATOGRAM
43	Syringe Blank
44	Syringe Blank
45	Syringe Blank
46	Instrument Blank
47	Instrument Blank
48	Instrument Blank
49	Syringe Blank
50	Syringe Blank (new syringe 100uL)
51	Syringe Blank (new septum)
52	Syringe Blank (new syringe 50uL)
53	Sample SG-4-2'6" (1000)
54	Sample SG-4-2'6" (1000) (reanalysis)
55	Instrument Blank
56	Syringe Blank
57	Syringe Blank
58	Instrument Blank
59	Instrument Blank
60	Syringe Blank
61	Xylene Standard
62	Xylene Standard
63	Instrument Blank

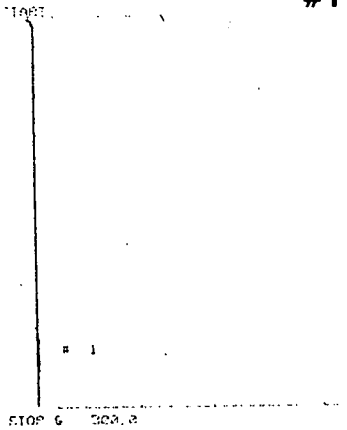
SOIL GAS SURVEY CHROMATOGRAMS

CHROMATOGRAM Nº	EXPLANATION OF CHROMATOGRAM
64	Instrument Blank
65	Instrument Blank
66	Instrument Blank
67	Syringe Blank
68	Syringe Blank
69	Syringe Blank
70	Toluene Standard
71	Instrument Blank
72	Instrument Blank
73	Instrument Blank
74	Instrument Blank
75	Syringe Blank
76	Syringe Blank
77	Syringe Blank
78	Sample SG-7-2'6" (1515)
79	Sample SG-7-2'6" (1515) (reanalysis)
80	Instrument Blank
81	Instrument Blank
82	Instrument Blank

Instr. Blank

PHOTOVAC

#1



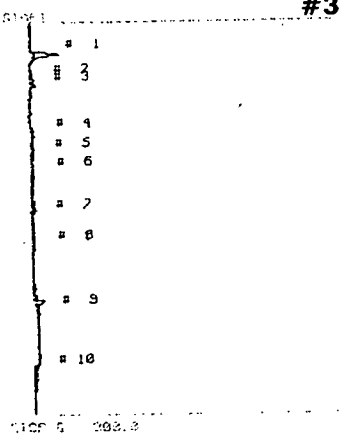
STOP G 300.0
SAMPLE RUN JUL 3 1991 14:26
ANALYSIS # 9
TEMPERATURE 26
GAIN 10

COMPOUND NAME PEAK R.T. AREA/PPM

Benzene Std.

PHOTOVAC

#3



STOP G 300.0
SAMPLE RUN JUL 3 1991 14:38
ANALYSIS # 11
TEMPERATURE 26
GAIN 10

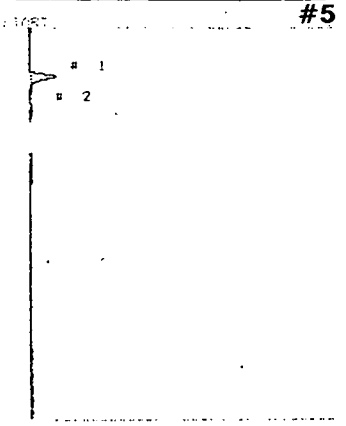
COMPOUND NAME PEAK R.T. AREA/PPM

BENZENE 1 [illegible]

Toluene Std.

PHOTOVAC

#5



STOP G 300.0
SAMPLE RUN JUL 3 1991 14:56
ANALYSIS # 13
TEMPERATURE 26
GAIN 10

COMPOUND NAME PEAK R.T. AREA/PPM

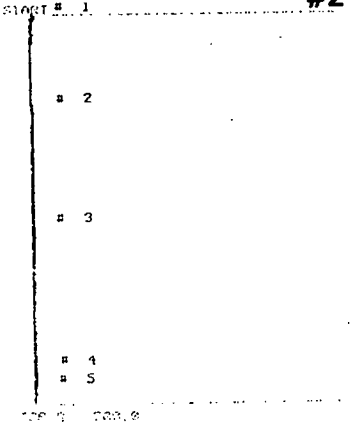
TOLUENE 1 [illegible]

50 ul injections

Syringe Blank

PHOTOVAC

#2



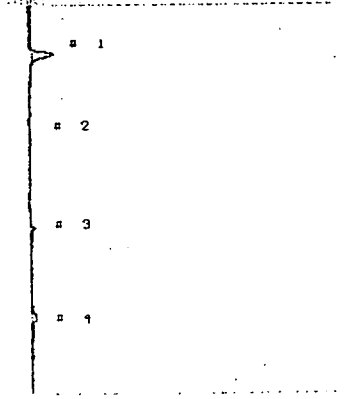
STOP G 300.0
SAMPLE RUN JUL 3 1991 14:32
ANALYSIS # 10
TEMPERATURE 26
GAIN 10

COMPOUND NAME PEAK R.T. AREA/PPM

Toluene ?

PHOTOVAC

#4



STOP G 300.0
SAMPLE RUN JUL 3 1991 14:43
ANALYSIS # 12
TEMPERATURE 26
GAIN 10

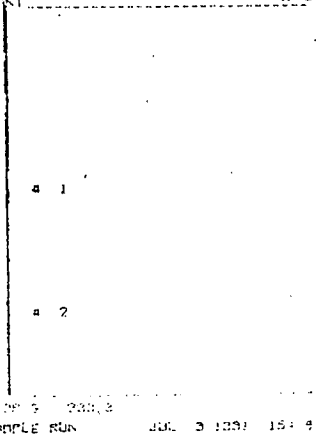
COMPOUND NAME PEAK R.T. AREA/PPM

[illegible]

Xylene ?

PHOTOVAC

#6



STOP G 300.0
SAMPLE RUN JUL 3 1991 15:[illegible]
ANALYSIS # 14
TEMPERATURE 26
GAIN 10

COMPOUND NAME PEAK R.T. AREA/PPM

Xylene ?

PHOTOVAC

#7

START

STOP @ 300.0
SAMPLE RUN JUL 3 1991 15:10
ANALYSIS # 15
TEMPERATURE 26
GAIN 10

COMPOUND NAME PEAK R.T. AREA/PPM

Syringe blank

PHOTOVAC

#9

START

STOP @ 300.0
SAMPLE RUN JUL 3 1991 15:25
ANALYSIS # 17
TEMPERATURE 26
GAIN 10

COMPOUND NAME PEAK R.T. AREA/PPM

BG-1 3'8" 1430

PHOTOVAC

#11

START

1

STOP @ 300.0
SAMPLE RUN JUL 3 1991 15:38
ANALYSIS # 19
TEMPERATURE 27
GAIN 10

COMPOUND NAME PEAK R.T. AREA/PPM

Tube 1410

PHOTOVAC

#8

START

1

STOP @ 300.0
SAMPLE RUN JUL 3 1991 15:18
ANALYSIS # 16
TEMPERATURE 27
GAIN 10

COMPOUND NAME PEAK R.T. AREA/PPM

BG-1 2.5' 1415

PHOTOVAC

#10

START

1

STOP @ 300.0
SAMPLE RUN JUL 3 1991 15:21
ANALYSIS # 12
TEMPERATURE 25
GAIN 10

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1. 190.2 194.3 #56

- increase flow -

xylene ?

PHOTOVAC

#12

START

1

STOP @ 300.0
SAMPLE RUN JUL 3 1991 16:12
ANALYSIS # 20
TEMPERATURE 27
GAIN 10

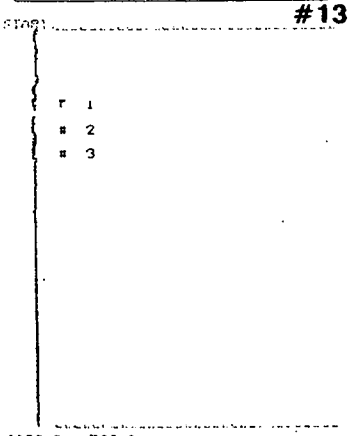
COMPOUND NAME PEAK R.T. AREA/PPM

- increase gain to 50 -

xylene ?

PHOTOVAC

#13



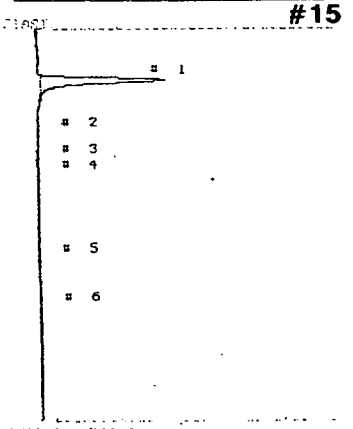
STOP @ 200.0
SAMPLE RUN JUL 3 1991 16:18
ANALYSIS # 21
TEMPERATURE 28
GAIN 50

COMPOUND NAME PEAK R.T. AREA/PPM

Toluene Std.

PHOTOVAC

#15



STOP @ 200.0
SAMPLE RUN JUL 3 1991 16:31
ANALYSIS # 23
TEMPERATURE 23
GAIN 50

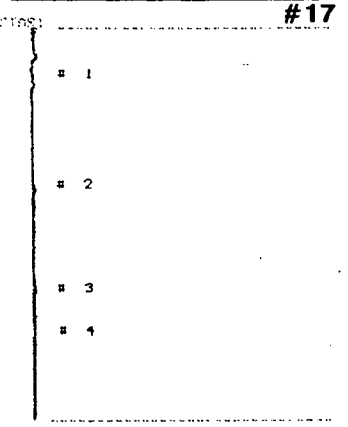
COMPOUND NAME PEAK R.T. AREA/PPM

TOLUENE 1 [illegible]

SG-1 3'10" 1540

PHOTOVAC

#17



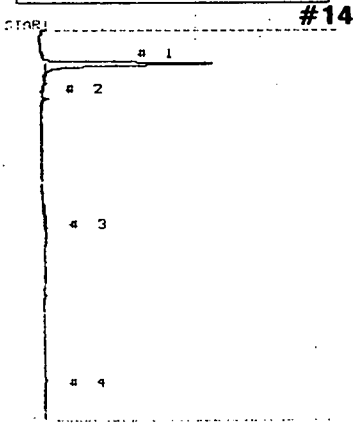
STOP @ 200.0
SAMPLE RUN JUL 3 1991 16:43
ANALYSIS # 25
TEMPERATURE 30
GAIN 50

COMPOUND NAME PEAK R.T. AREA/PPM

Benzene Std.

PHOTOVAC

#14



STOP @ 200.0
SAMPLE RUN JUL 3 1991 16:25
ANALYSIS # 22
TEMPERATURE 28
GAIN 50

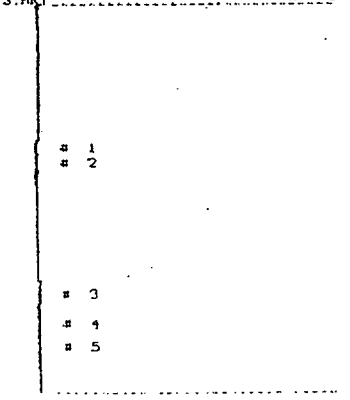
COMPOUND NAME PEAK R.T. AREA/PPM

BENZENE 1 [illegible]

Syringe Blank

PHOTOVAC

#16



STOP @ 200.0
SAMPLE RUN JUL 3 1991 16:37
ANALYSIS # 24
TEMPERATURE 23
GAIN 50

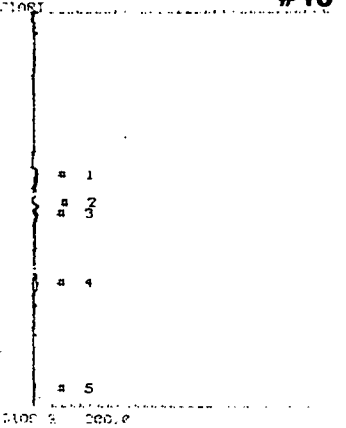
COMPOUND NAME PEAK R.T. AREA/PPM

[illegible] 1 [illegible]

SG-2 2'5" 1620

PHOTOVAC

#18



STOP @ 200.0
SAMPLE RUN JUL 3 1991 16:49
ANALYSIS # 26
TEMPERATURE 30
GAIN 50

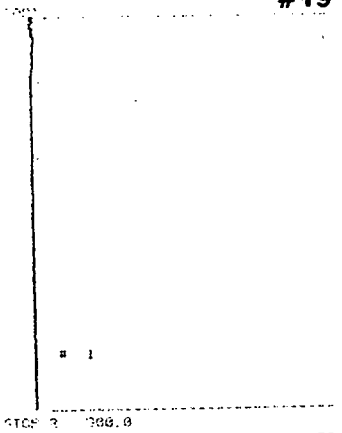
COMPOUND NAME PEAK R.T. AREA/PPM

[illegible] 1 [illegible]

SG-2 5.0' 1635

PHOTOVAC

#19



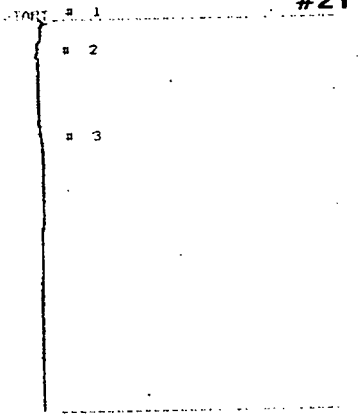
STOP @ 300.0
SAMPLE RUN JUL 3 1991 16:55
ANALYSIS # 27
TEMPERATURE 25
GAIN 50

COMPOUND NAME PEAK R.T. AREA/PPM

SG-2 7.5' 1650

PHOTOVAC

#21



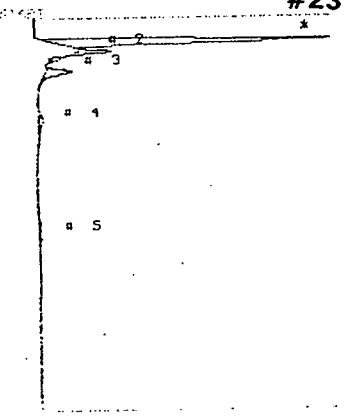
STOP @ 300.0
SAMPLE RUN JUL 3 1991 17:0
ANALYSIS # 29
TEMPERATURE 25
GAIN 50

COMPOUND NAME PEAK R.T. AREA/PPM

GAS TANK Sample

PHOTOVAC

#23



STOP @ 300.0
SAMPLE RUN JUL 3 1991 17:32
ANALYSIS # 31
TEMPERATURE 28
GAIN 20

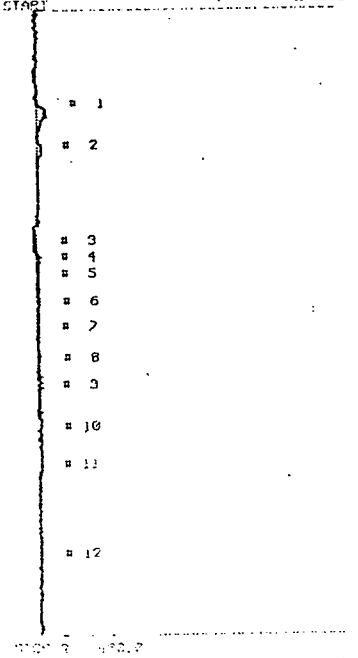
COMPOUND NAME PEAK R.T. AREA/PPM

- increase gain - 100
- increase Analysis time - 480 sec

Xylene ?

PHOTOVAC

#22

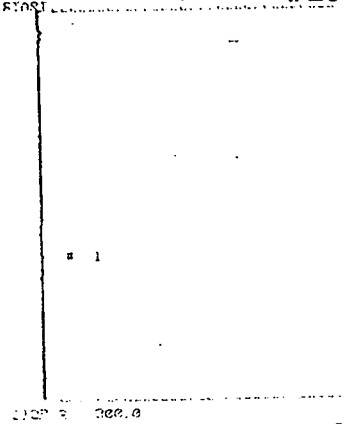


STOP @ 480.0
SAMPLE RUN JUL 3 1991 17:25
ANALYSIS # 30
TEMPERATURE 28
GAIN 100

SG-2 7.5' 1650

PHOTOVAC

#20



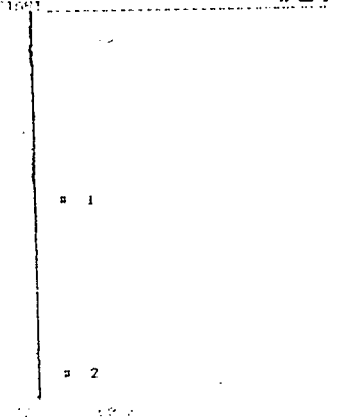
STOP @ 300.0
SAMPLE RUN JUL 3 1991 17:2
ANALYSIS # 28
TEMPERATURE 25
GAIN 50

COMPOUND NAME PEAK R.T. AREA/PPM

Syringe blank

PHOTOVAC

#24



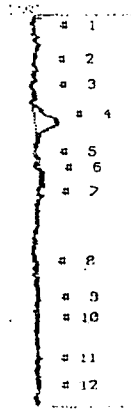
SAMPLE RUN JUL 3 1991
ANALYSIS # 32
TEMPERATURE 22
GAIN 20

-increased gain - 200

Xylene ? #4

PHOTOVAC

#25

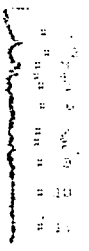


STOP R 102.0
SAMPLE RUN JUL 9 1991 12:42
ANALYSIS # 33
TEMPERATURE 27
GAIN 200

Syringe Blank

PHOTOVAC

#27



End of day 7/9

Syringe Blank

PHOTOVAC

#29

STOP R 102.0
SAMPLE RUN JUL 10 1991 9:23
ANALYSIS # 37
TEMPERATURE 26
GAIN 200

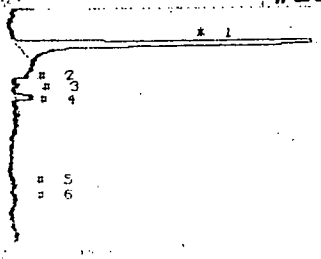
COMPOUND NAME PEAK R.T. CONC/PPM

UNKNOWN 2 10.0 20.0 MMS
UNKNOWN 5 152.0 150.0 MMS

Benzene Std.

PHOTOVAC

#26



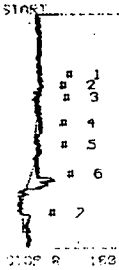
SAMPLE RUN JUL 9 1991 12:02
ANALYSIS # 34
TEMPERATURE 27
GAIN 200

- new day 7/10 -

Instr. Blank

PHOTOVAC

#28

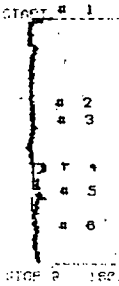


STOP R 102.0
SAMPLE RUN JUL 10 1991 9:17
ANALYSIS # 36
TEMPERATURE 25
GAIN 200

Syringe Blank

PHOTOVAC

#30

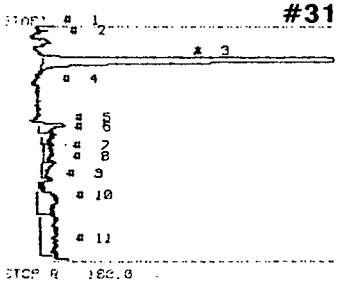


STOP R 102.0
SAMPLE RUN JUL 10 1991 9:23
ANALYSIS # 38
TEMPERATURE 27
GAIN 200

Benzene Std.

PHOTOVAC

#31



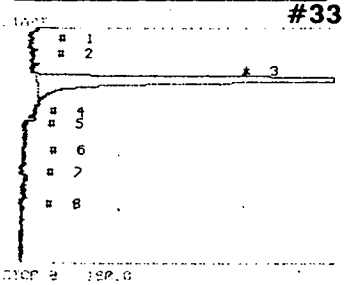
STOP @ 182.0
SAMPLE RUN JUL 10 1991 7:46
ANALYSIS # 33
TEMPERATURE 28
GAIN 200

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	13.6	36.1 mVS
BENZENE	3	27.0	3.700 PPM
UNKNOWN	5	60.5	101.9 mVS
UNKNOWN	6	67.7	335.1 mVS
UNKNOWN	7	102.3	335.1 mVS
[illegible]	8	[illegible]	[illegible]
[illegible]	9	[illegible]	[illegible]
[illegible]	10	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

Toluene Std.

PHOTOVAC

#33



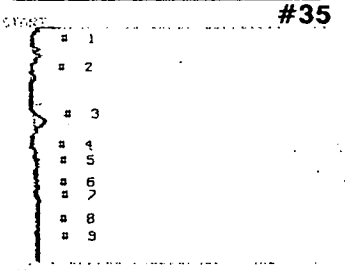
STOP @ 190.0
SAMPLE RUN JUL 10 1991 7:57
ANALYSIS # 41
TEMPERATURE 28
GAIN 200

COMPOUND NAME	PEAK	R.T.	AREA/PPM
TOLUENE	2	40.2	12.00 PPM

Xylene Std.

PHOTOVAC

#35



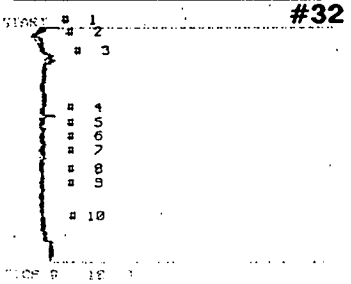
STOP @ 196.0
SAMPLE RUN JUL 10 1991 8:6
ANALYSIS # 43
TEMPERATURE 28
GAIN 200

COMPOUND NAME	PEAK	R.T.	AREA/PPM
XYLENE	3	26.5	3.500 PPM

Syringe Blank

PHOTOVAC

#32



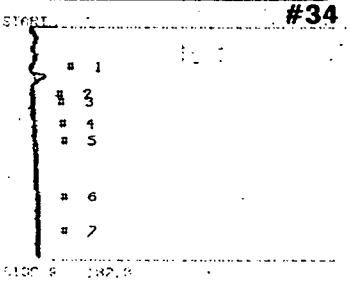
STOP @ 18[illegible]
SAMPLE RUN JUL 10 1991 7:51
ANALYSIS # 40
TEMPERATURE 28
GAIN 200

COMPOUND NAME	PEAK	R.T.	AREA/PPM
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

Syringe Blank

PHOTOVAC

#34



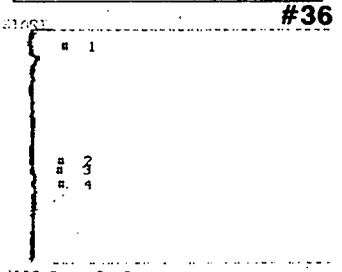
STOP @ 182.0
SAMPLE RUN JUL 10 1991 8:2
ANALYSIS # 42
TEMPERATURE 28
GAIN 200

COMPOUND NAME	PEAK	R.T.	AREA/PPM
[illegible]	[illegible]	[illegible]	[illegible]

Syringe Blank

PHOTOVAC

#36



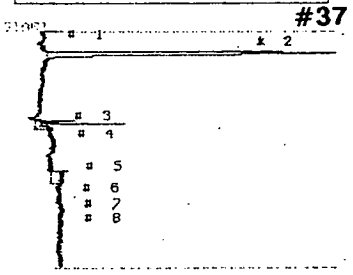
STOP @ 196.0
SAMPLE RUN JUL 10 1991 8:13
ANALYSIS # 44
TEMPERATURE 28
GAIN 200

COMPOUND NAME	PEAK	R.T.	AREA/PPM
[illegible]	[illegible]	[illegible]	[illegible]

SG-3 2.5' 0830

PHOTOVAC

#37



STOP @ 180.0
SAMPLE RUN JUL 10 1991 8:43
ANALYSIS # 45
TEMPERATURE 28
GAIN 200

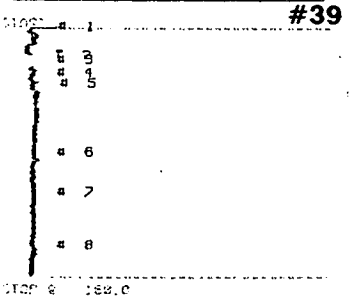
COMPOUND NAME PEAK R.T. AREA/CONC

UNKNOWN 2 12.4 1.7 [illegible]
XYLENE 3 24.1 13.05 [illegible]
BROMOFOR 5 [illegible] [illegible]

Syringe Blank

PHOTOVAC

#39



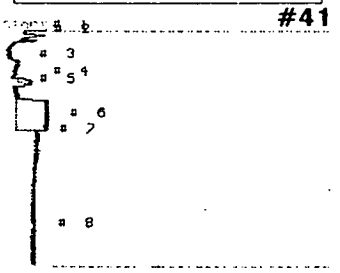
STOP @ 180.0
SAMPLE RUN JUL 10 1991 9:0
ANALYSIS # 47
TEMPERATURE 28
GAIN 200

COMPOUND NAME PEAK R.T. AREA/CONC

Syringe Blank

PHOTOVAC

#41



STOP @ 180.0
SAMPLE RUN JUL 10 1991 9:13
ANALYSIS # 49
TEMPERATURE 28
GAIN 200

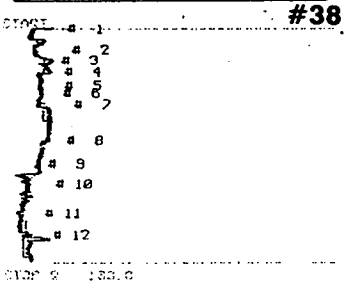
COMPOUND NAME PEAK R.T. AREA/CONC

UNKNOWN 2 [illegible] [illegible] [illegible]
BENZENE 3 [illegible] [illegible] [illegible]
TOLUENE 4 [illegible] [illegible] [illegible]
XYLENE 5 [illegible] [illegible] [illegible]

Syringe Blank

PHOTOVAC

#38



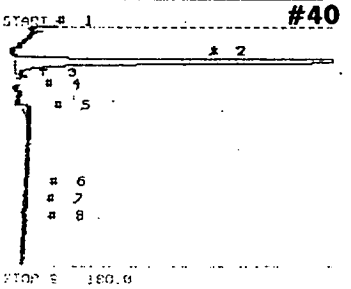
STOP @ 180.0
SAMPLE RUN JUL 10 1991 8:51
ANALYSIS # 46
TEMPERATURE 28
GAIN 200

COMPOUND NAME PEAK R.T. AREA/CONC

Benzene Std. (ccc)

PHOTOVAC

#40



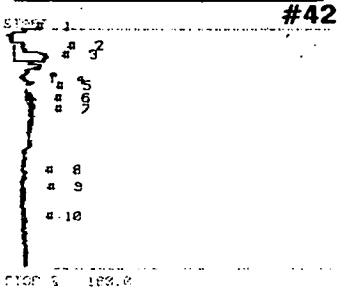
STOP @ 180.0
SAMPLE RUN JUL 10 1991 9:6
ANALYSIS # 48
TEMPERATURE 28
GAIN 200

COMPOUND NAME PEAK R.T. AREA/CONC

Syringe Blank

PHOTOVAC

#42



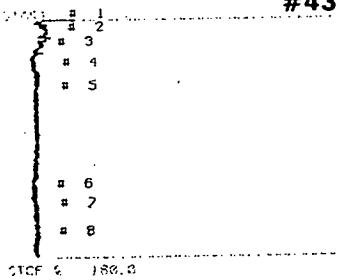
STOP @ 180.0
SAMPLE RUN JUL 10 1991 9:17
ANALYSIS # 50
TEMPERATURE 28
GAIN 200

COMPOUND NAME PEAK R.T. AREA/CONC

Syringe Blank

PHOTOVAC

#43



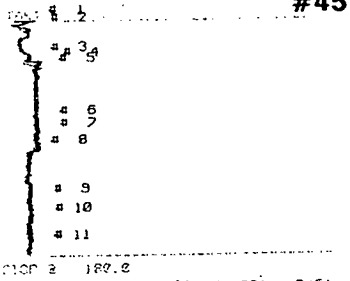
STOP @ 180.0
SAMPLE RUN JUL 10 1991 9:23
ANALYSIS # 51
TEMPERATURE 26
GAIN 200

COMPOUND NAME PEAK R.T. AREA/PPB

Syringe Blank

PHOTOVAC

#45



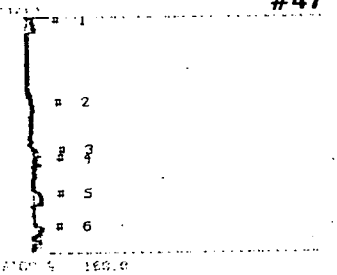
STOP @ 180.0
SAMPLE RUN JUL 10 1991 9:51
ANALYSIS # 53
TEMPERATURE 27
GAIN 200

COMPOUND NAME PEAK R.T. AREA/PPB

Instr. Blank

PHOTOVAC

#47



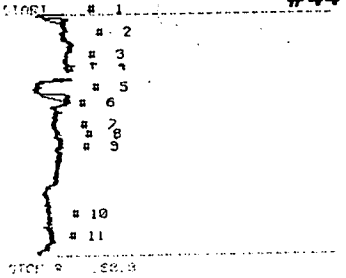
STOP @ 180.0
SAMPLE RUN JUL 10 1991 10:1
ANALYSIS # 55
TEMPERATURE 27
GAIN 200

COMPOUND NAME PEAK R.T. AREA/PPB

Syringe Blank

PHOTOVAC

#44

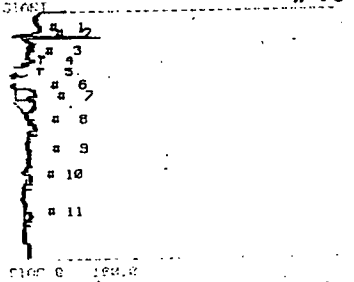


STOP @ 180.0
SAMPLE RUN JUL 10 1991 9:44
ANALYSIS # 52
TEMPERATURE 26
GAIN 200

Instr. Blank

PHOTOVAC

#46

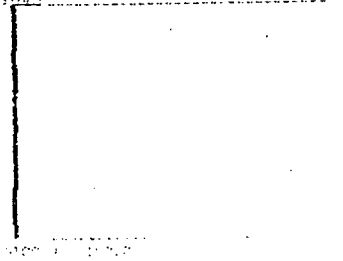


STOP @ 180.0
SAMPLE RUN JUL 10 1991 9:52
ANALYSIS # 54
TEMPERATURE 27
GAIN 200

Instr. Blank

PHOTOVAC

#48

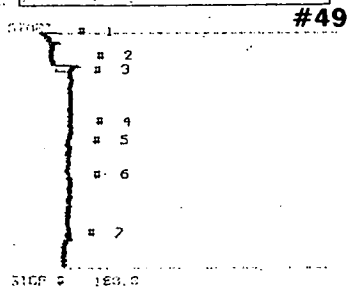


SAMPLE RUN JUL 10 1991 10:2
ANALYSIS # 56
TEMPERATURE 26
GAIN 200

Syringe Blank

PHOTOVAC

#49



STOP # 180.0
SAMPLE RUN JUL 10 1991 10:12
ANALYSIS # 52
TEMPERATURE 27
GAIN 200

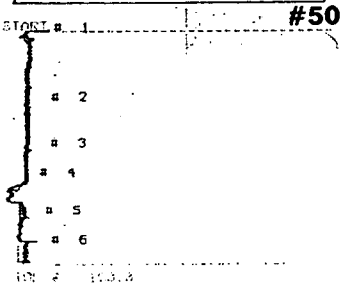
COMPOUND NAME PEAK R.T. AREA/PPB

UNKNOWN 1 [illegible]
BENZENE 2 [illegible]
UNKNOWN 3 [illegible]

- new syringe — 100ul
still 50ul injection
Syringe Blank

PHOTOVAC

#50



STOP # 180.0
SAMPLE RUN JUL 10 1991 10:17
ANALYSIS # 58
TEMPERATURE 27
GAIN 200

COMPOUND NAME PEAK R.T. AREA/PPB

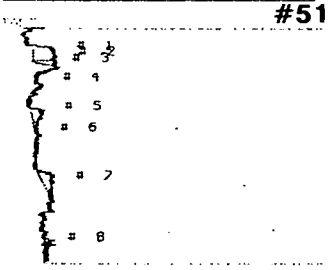
UNKNOWN 1 [illegible]
UNKNOWN 2 [illegible]

- Change septum -

Syringe Blank

PHOTOVAC

#51



STOP # 180.0
SAMPLE RUN JUL 10 1991 10:25
ANALYSIS # 59
TEMPERATURE 26
GAIN 200

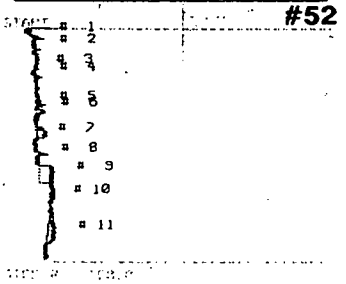
COMPOUND NAME PEAK R.T. AREA/PPB

UNKNOWN 1 [illegible]
BENZENE 2 [illegible]
UNKNOWN 3 [illegible]

Change syringe - 50ul
still 50ul injection
Syringe Blank

PHOTOVAC

#52



STOP # 180.0
SAMPLE RUN JUL 10 1991 10:31
ANALYSIS # 60
TEMPERATURE 25
GAIN 200

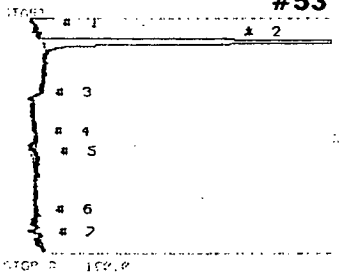
COMPOUND NAME PEAK R.T. AREA/PPB

UNKNOWN 1 [illegible]
UNKNOWN 2 [illegible]

SG-4 1000

PHOTOVAC

#53



STOP # 180.0
SAMPLE RUN JUL 10 1991 10:36
ANALYSIS # 61
TEMPERATURE 27
GAIN 200

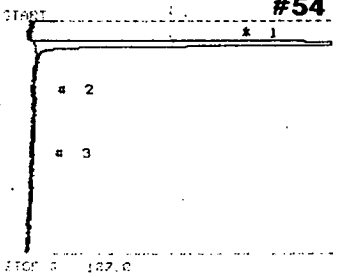
COMPOUND NAME PEAK R.T. AREA/PPB

UNKNOWN 1 [illegible]
UNKNOWN 2 [illegible]

SG-4 1000

PHOTOVAC

#54



STOP # 180.0
SAMPLE RUN JUL 10 1991 10:41
ANALYSIS # 62
TEMPERATURE 27
GAIN 200

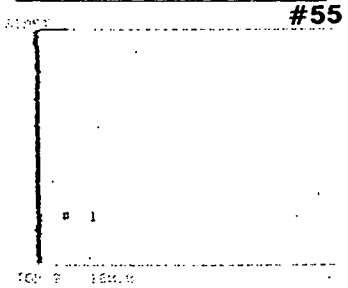
COMPOUND NAME PEAK R.T. AREA/PPB

UNKNOWN 1 [illegible]

Instr. Blank

PHOTOVAC

#55



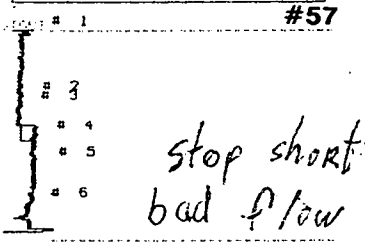
SAMPLE RUN JUL 10 1991 10:46
ANALYSIS # 63
TEMPERATURE 27
GAIN 200

COMPOUND NAME PEAK R.T. AREA/MIN

Syringe blank

PHOTOVAC

#57



stop short
bad flow

STOP # 161.0
SAMPLE RUN JUL 10 1991 13:26
ANALYSIS # 65
TEMPERATURE 26
GAIN 200

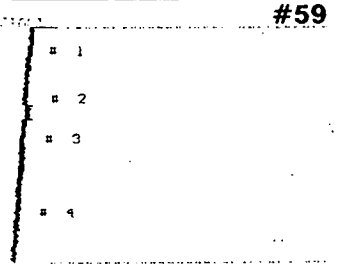
COMPOUND NAME PEAK R.T. AREA/MIN

VOLUME # 60.0 10.04 CPM

Instr. Blank

PHOTOVAC

#59



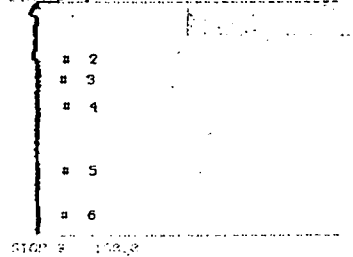
SAMPLE RUN JUL 10 1991 13:40
ANALYSIS # 67
TEMPERATURE 27
GAIN 200

COMPOUND NAME PEAK R.T. AREA/MIN

Syringe Blank

PHOTOVAC

#56

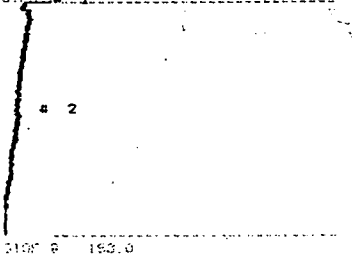


SAMPLE RUN JUL 10 1991 10:51
ANALYSIS # 69
TEMPERATURE 27
GAIN 200

Instr Blank

PHOTOVAC

#58

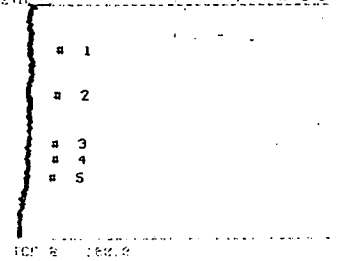


STOP # 163.0
SAMPLE RUN JUL 10 1991 13:36
ANALYSIS # 66
TEMPERATURE 26
GAIN 200

Syringe Blank

PHOTOVAC

#60

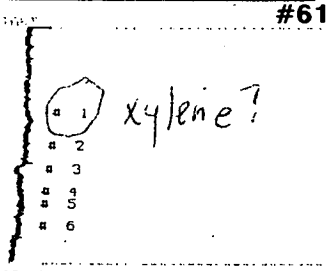


STOP # 168.0
SAMPLE RUN JUL 10 1991 13:49
ANALYSIS # 68
TEMPERATURE 26
GAIN 200

Xylene (ccc)

PHOTOVAC

#61



SAMPLE RUN JUL 10 1991 13:50
ANALYSIS # 63
TEMPERATURE 26
GAIN 200

COMPOUND NAME PEAK R.T. AREA(PPB)

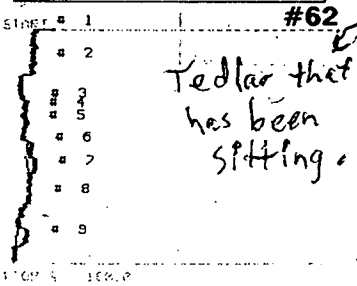
UNKNOWN 6 [illegible]

Xylene (ccc)

xylene std bottle has run out. Taken from Tedlar that has been sitting.

PHOTOVAC

#62

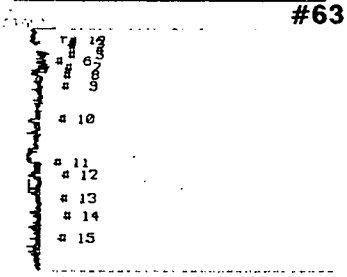


SAMPLE RUN JUL 10 1991 13:55
ANALYSIS # 70
TEMPERATURE 27
GAIN 200

Instr. Blank

PHOTOVAC

#63



SAMPLE RUN JUL 10 1991 14:1[illegible]
ANALYSIS # 71
TEMPERATURE 26
GAIN 200

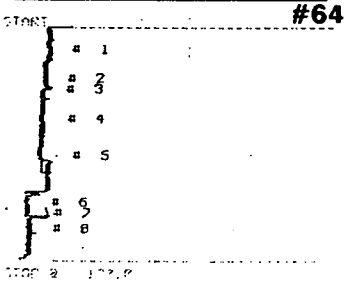
COMPOUND NAME PEAK R.T. AREA(PPB)

BENZENE 5 [illegible]
UNKNOWN 7 [illegible]

Instr. Blank

PHOTOVAC

#64

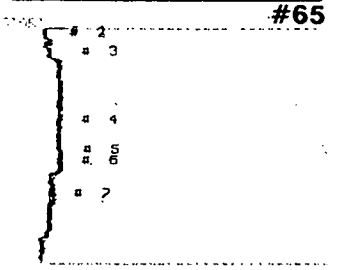


SAMPLE RUN JUL 10 1991 14:31
ANALYSIS # 72
TEMPERATURE 26
GAIN 200

Instr. Blank

PHOTOVAC

#65



SAMPLE RUN JUL 10 1991 14:35
ANALYSIS # 73
TEMPERATURE 26
GAIN 200

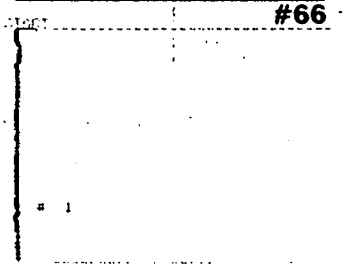
COMPOUND NAME PEAK R.T. AREA(PPB)

UNKNOWN 7 [illegible]

Instr. Blank

PHOTOVAC

#66

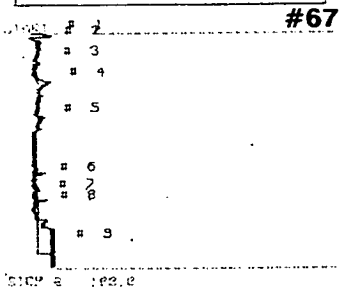


SAMPLE RUN JUL 10 1991 14:39
ANALYSIS # 74
TEMPERATURE 26
GAIN 200

Syringe Blank

PHOTOVAC

#67



STOP @ 180.0
SAMPLE RUN JUL 10 1991 14:49
ANALYSIS # 25
TEMPERATURE 26
GAIN 200

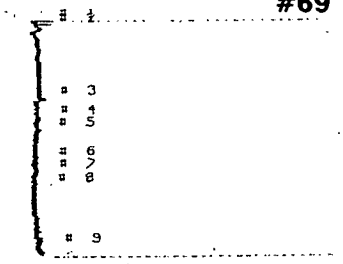
COMPOUND NAME PEAK R.T. ASSAYED

BENZENE 1 2.5 59.2 ppb
TOLUENE 4 36.3 [illegible]
[illegible] 3 180.0 1.0 [illegible]

Syringe blank

PHOTOVAC

#69



STOP @ 180.0
SAMPLE RUN JUL 10 1991 14:52
ANALYSIS # 27
TEMPERATURE 26
GAIN 200

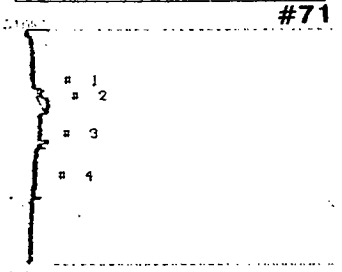
COMPOUND NAME PEAK R.T. ASSAYED

BENZENE 3 [illegible]

Instr. Blank

PHOTOVAC

#71



STOP @ 180.0
SAMPLE RUN JUL 10 1991 15:4
ANALYSIS # 29
TEMPERATURE 26
GAIN 200

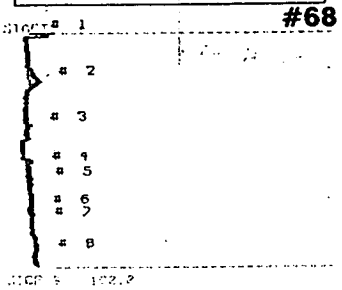
COMPOUND NAME PEAK R.T. ASSAYED

BENZENE 1 [illegible]
[illegible] 2 [illegible]

Syringe Blank

PHOTOVAC

#68

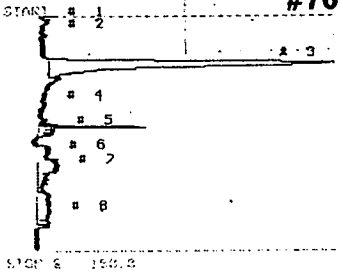


STOP @ 180.0
SAMPLE RUN JUL 10 1991 14:46
ANALYSIS # 26
TEMPERATURE 26
GAIN 200

Toluene (CCC)

PHOTOVAC

#70

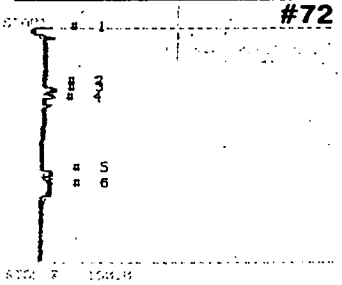


STOP @ 180.0
SAMPLE RUN JUL 10 1991 15:0
ANALYSIS # 28
TEMPERATURE 26
GAIN 200

Instr. Blank

PHOTOVAC

#72

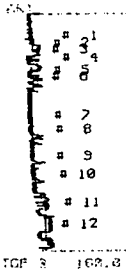


STOP @ 180.0
SAMPLE RUN JUL 10 1991 15:6
ANALYSIS # 30
TEMPERATURE 26
GAIN 200

Instr. Blank

PHOTOVAC

#73



SAMPLE RUN JUL 10 1991 15:27
ANALYSIS # 81
TEMPERATURE 26
GAIN 200

Syringe blank

PHOTOVAC

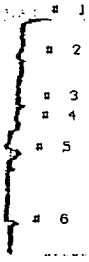
#75

SAMPLE RUN JUL 10 1991 15:33
ANALYSIS # 83
TEMPERATURE 26
GAIN 200

Syringe blank

PHOTOVAC

#77



SAMPLE RUN JUL 10 1991 15:53
ANALYSIS # 85
TEMPERATURE 26
GAIN 200

Instr. Blank

PHOTOVAC

#74

SAMPLE RUN JUL 10 1991 15:03
ANALYSIS # 82
TEMPERATURE 26
GAIN 200

Syringe blank

PHOTOVAC

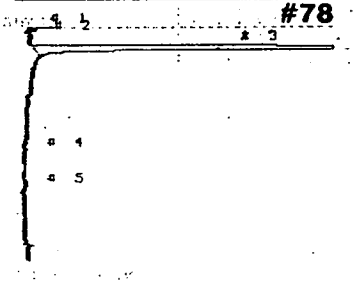
#76

SAMPLE RUN JUL 10 1991 15:43
ANALYSIS # 84
TEMPERATURE 26
GAIN 200

SG-7 7.5' 1515

PHOTOVAC

#78

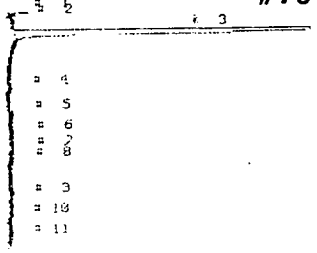


SAMPLE RUN JUL 10 1991 16:03
ANALYSIS # 86
TEMPERATURE 26
GAIN 200

SB-7 2.5' 1515

PHOTOVAC

#79

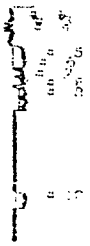


SAMPLE BGN JUL 10 1991 16:0
ANALYSIS # 22
TEMPERATURE 26
GAIN 728

Instr. blank

PHOTOVAC

#81

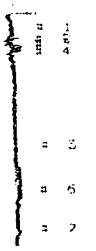


SAMPLE BGN JUL 10 1991 16:12
ANALYSIS # [illegible]
TEMPERATURE [illegible]
GAIN 728

Instr. blank

PHOTOVAC

#80



SAMPLE BGN JUL 10 1991 16:12
ANALYSIS # [illegible]
TEMPERATURE [illegible]
GAIN [illegible]

Instr. Blank

PHOTOVAC

#82

SAMPLE BGN [illegible]
ANALYSIS # [illegible]
TEMPERATURE [illegible]
GAIN [illegible]

APPENDIX VI

MONITORING WELL/EXCAVATION SURVEY ELEVATIONS

HORIZONTAL AND VERTICAL CONTROL

Horizontal Control Points Used As Provided On A Working Drawing By Ray Belville Of The Portsmouth Naval Shipyard.

No.	X (East)	Y (North)	Description
D-1	348975.281	90991.599	Chiseled + in RR rail.
D1-1	350201.243	90862.827	1/2" re-rod, flush.
D1-2	350841.099	90982.176	1/2" re-rod, flush.
D3	348972.183	89591.937	Chiseled + in rim S.M.H. #31
D4	349291.988	89255.946	RR spike in road.
D6	348114.808	89642.304	1/2" re-rod, flush.
D8	347414.491	88791.348	PK nail in paint stripe.

Vertical Control: To stay consistent with the work conducted for McLaren/Hart by Frank Emery, PLS, PE, CAPE Services utilized BM 12 at an elevation of 115.855 feet, as referenced on the following drawings:

a. "Topographic Site Plan, Jamaica Island Land Fill (JILF), Portsmouth Naval Shipyard, Kittery, Maine" dated December 29, 1988, (revised January 3, 1990, and designated as drawing No. 11388 by Frank Emmery, Wells, Maine.

b. "Topographic Site Plan, DRMO Storage Yard, Portsmouth Naval Shipyard, Kittery, Maine" dated January 4, 1989, (revised January 3, 1990, and designated as drawing No. 11488 by Frank Emmery, Wells, Maine.

As described on a working drawing provided by Ray Belville of the Portsmouth Naval Shipyard, BM 12 is a "square cut, second step, N.E. entrance to Bldg 13"; this is the shipyard's "main" BM; in contrast to the above drawings the elevation provided on this drawing is 115.71 feet.

Point Number	X (East)	Y (North)	Elevation (Feet)
176	349638.5	90391.5	108.6
177	349701.2	90441.5	108.9
178	349695.2	90450.0	108.8
179	349636.9	90400.0	108.2
180	349633.4	90392.5	108.4
181	349648.4	90436.6	108.0
182	349643.3	90438.8	107.8
183	349628.7	90394.0	108.4

Excavation Sites
As Staked By McLaren-Hart.

Point Number	X (East)	Y (North)	Elevation (Feet)
Near Well JW-17B			
112	350077.5	90911.3	107.6
113	350078.4	90917.0	107.5
114	350057.3	90918.8	107.6
115	350056.8	90912.8	107.7
116	350023.8	90923.7	107.8
117	350023.7	90919.3	107.9
118	350002.9	90921.7	108.2
119	350003.3	90926.2	108.1
Near Wells MW-2, MW-3, & MW-6			
131	349145.9	89903.6	116.6
132	349136.2	89902.2	116.9
133	349121.8	89912.4	117.4
134	349132.6	89932.1	117.4
135	349152.3	89928.2	116.4
136	349157.3	89921.2	116.5
137	349110.6	89930.9	117.6
Near Well JW-19			
139	349577.1	89927.5	112.1
140	349593.6	89940.2	111.9
141	349572.5	89953.2	111.7
142	349565.4	89933.7	111.3
Near Wells MW-4, MW-5, & MW-7			
148	350031.2	90084.2	111.1
149	349993.0	90111.8	111.3
150	349973.6	90076.7	111.6
151	350010.5	90065.1	111.2
152	350031.6	90069.6	111.1
Five Excavations Near Well JW-18			
164	349689.3	90311.4	111.5
165	349650.4	90335.2	111.7
166	349651.2	90303.7	111.9
167	349681.4	90295.4	111.8
168	349663.7	90349.8	108.6
169	349684.2	90343.4	108.3
170	349689.3	90353.9	108.1
171	349668.9	90361.4	108.4
172	349659.3	90380.7	108.5
173	349716.9	90407.1	108.7
174	349713.8	90415.6	108.8
175	349654.8	90389.6	108.5

Well, Seep, And Tidal Gauge Coordinates And Elevations.

	Coordinates		Grade Elevation (Feet)	Outer (Metal) Casing	Inner (PVC) Casing
	X (East)	Y (North)			
JW-4	350642.3	90910.1	Flush	106.13	105.80
JW-5	350324.5	90871.8	Flush	106.96	106.74
JW-6	349955.2	91117.4	Flush	108.31	107.78
JW-7	349690.3	90677.7	107.14	109.68	No Data
JW-7B	349687.6	90669.7	107.32	108.96	108.87
JW-8	349423.8	90241.8	111.06	113.35	112.73
JW-8B	349436.9	90249.3	111.12	114.01	114.00
JW-9	349455.5	89646.6	105.09	106.68	106.42
JW-9B	349443.3	89633.5	105.07	106.89	106.88
JW-10	349659.5	89409.9	106.43	108.46	108.40
JW-12D	349779.9	89571.8	106.71	108.24	108.24
JW-12B	349777.1	89558.3	106.49	108.24	108.42
JW-12S	349774.8	89547.1	106.66	108.68	108.67
JW-13D	349967.7	89896.4	108.67	111.11	110.79
JW-13S	349957.8	89887.1	108.66	111.37	111.38
JW-13B	349950.9	89881.0	108.46	110.50	110.24
JW-14	350261.1	90178.9	109.57	111.18	111.13
JW-14B	350247.9	90168.7	109.38	107.47	111.00
JW-15	350179.4	91041.8	Flush	107.60	107.42
JW-15B	350187.4	91030.0	Flush	107.47	107.29
JW-16	350324.8	90672.1	Flush	106.70	106.38
JW-16B	350334.8	90651.8	Flush	106.73	106.40
JW-17B	350046.8	90921.0	Flush	107.87	107.47
JW-18	349658.3	90358.6	Flush	108.54	108.29
JW-19	349569.3	89928.2	111.88	114.46	114.14
MW-2	349183.1	89920.0	115.98	118.11	118.15
MW-3	349166.9	89901.9	Flush	116.41	116.14
MW-4	350045.0	90078.0	111.45	113.45	113.08
MW-5	350019.4	90053.3	111.57	113.51	113.45
MW-6	349191.3	89899.8	Flush	116.50	116.17
MW-7	350037.0	90063.0	111.66	113.95	113.86
GW-1	349080.1	89746.6	Flush	119.90	119.48

Well, Seep, And Tidal Gauge Coordinates And Elevations.

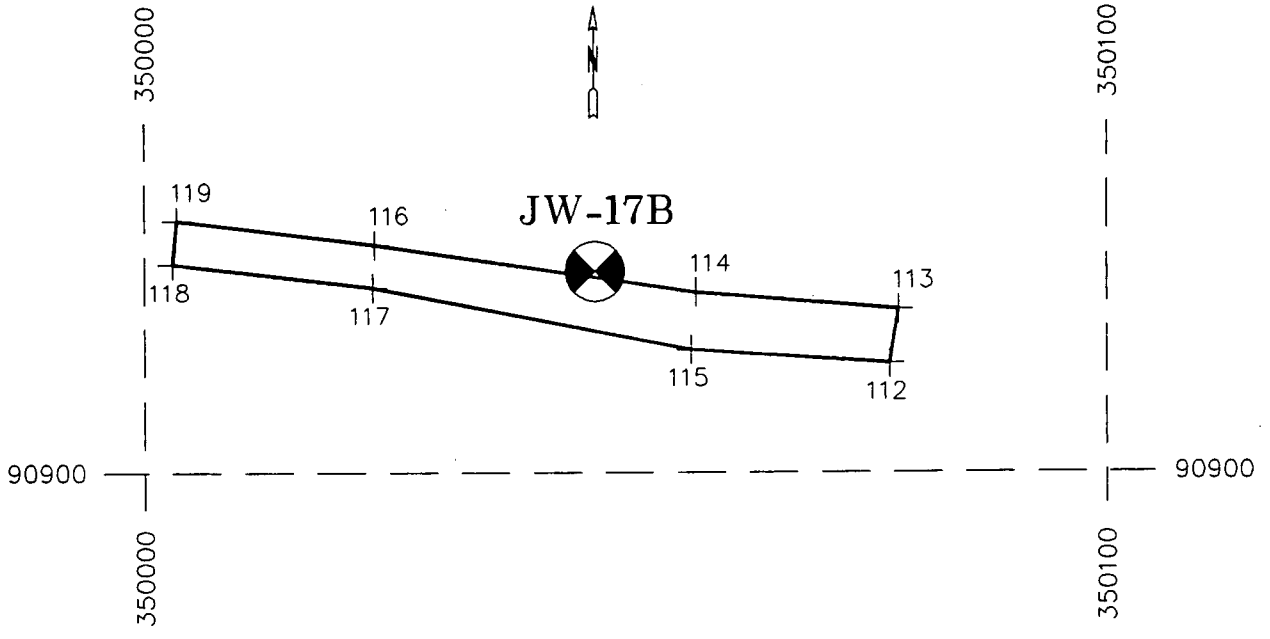
	Coordinates		Grade Elevation (Feet)	Outer (Metal) Casing	Inner (PVC) Casing
	X (East)	Y (North)			
DW-1	347865.7	88663.4	109.42	111.91	111.44
DW-1B	347878.1	88663.6	109.53	111.35	111.36
DW-2B	347986.6	88561.5	109.93	111.61	111.77
DW-3	348267.8	88571.5	108.48	110.85	110.69
DW-4	348056.0	88749.8	110.16	110.21	109.69
DW-5	347756.7	88646.8	109.09	111.70	111.14
DW-6	347725.8	88483.0	110.17	112.39	112.06
DW-7	347847.2	88503.0	109.93	111.85	111.52
DW-7B	347811.3	88504.0	110.41	112.13	112.33
DW-8	348436.3	88612.5	107.38	109.86	109.86
DW-8B	348426.0	88610.7	107.39	109.49	109.03
DW-9	348484.4	88622.2	108.42	110.07	110.14
DW-10B	348439.3	88717.6	111.62	113.81	112.83
Tidal Gauge	350153.6	89432.3	106.37	NA	NA
Conc Cor Nr Gauge			106.33	NA	NA
Seep JL-03-04	350234.7	91066.7	94.19	NA	NA
Seep JL-02-04	350244.7	91034.0	94.54	NA	NA
Seep JL-01-04	350337.4	90918.1	97.86	NA	NA

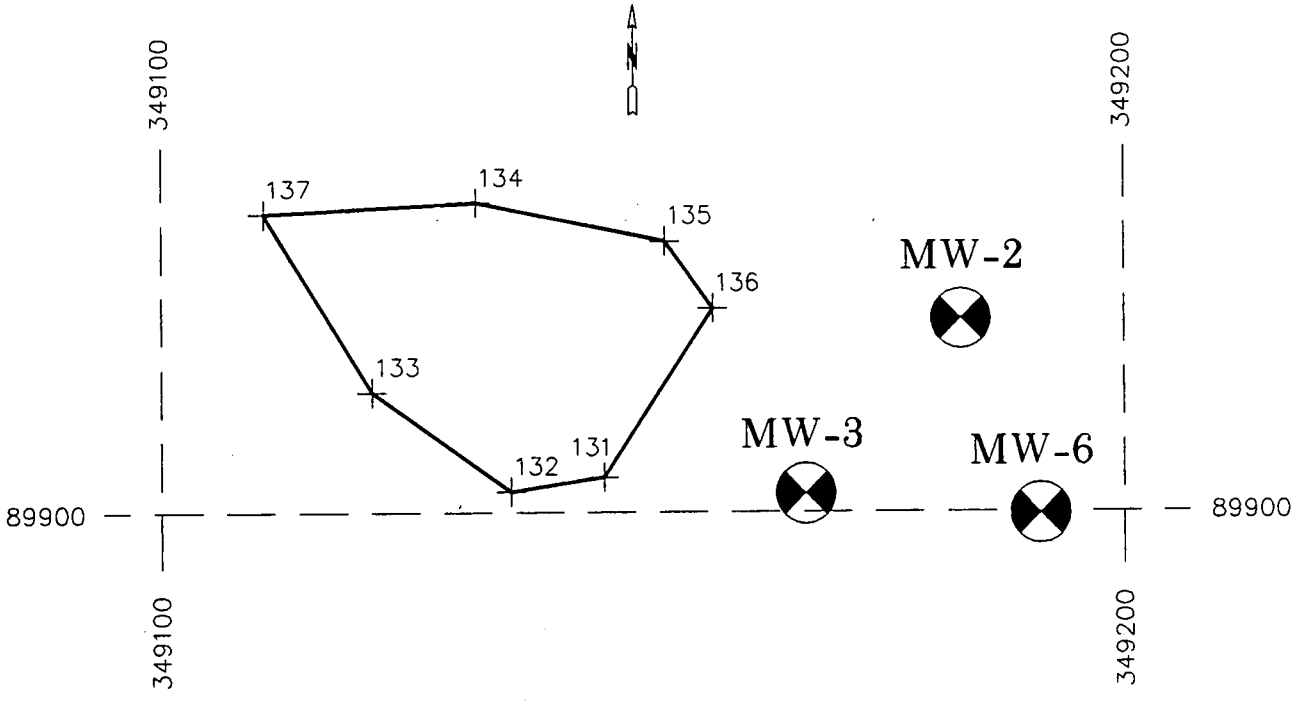
JIL EXCAVATION SITE SKETCHES

PREPARED FOR MCLAREN-HART BY

CAPE SERVICES, INC.

SCALE 1 INCH = 20 FEET SHEET 1 OF 3 OCTOBER 28, 1991



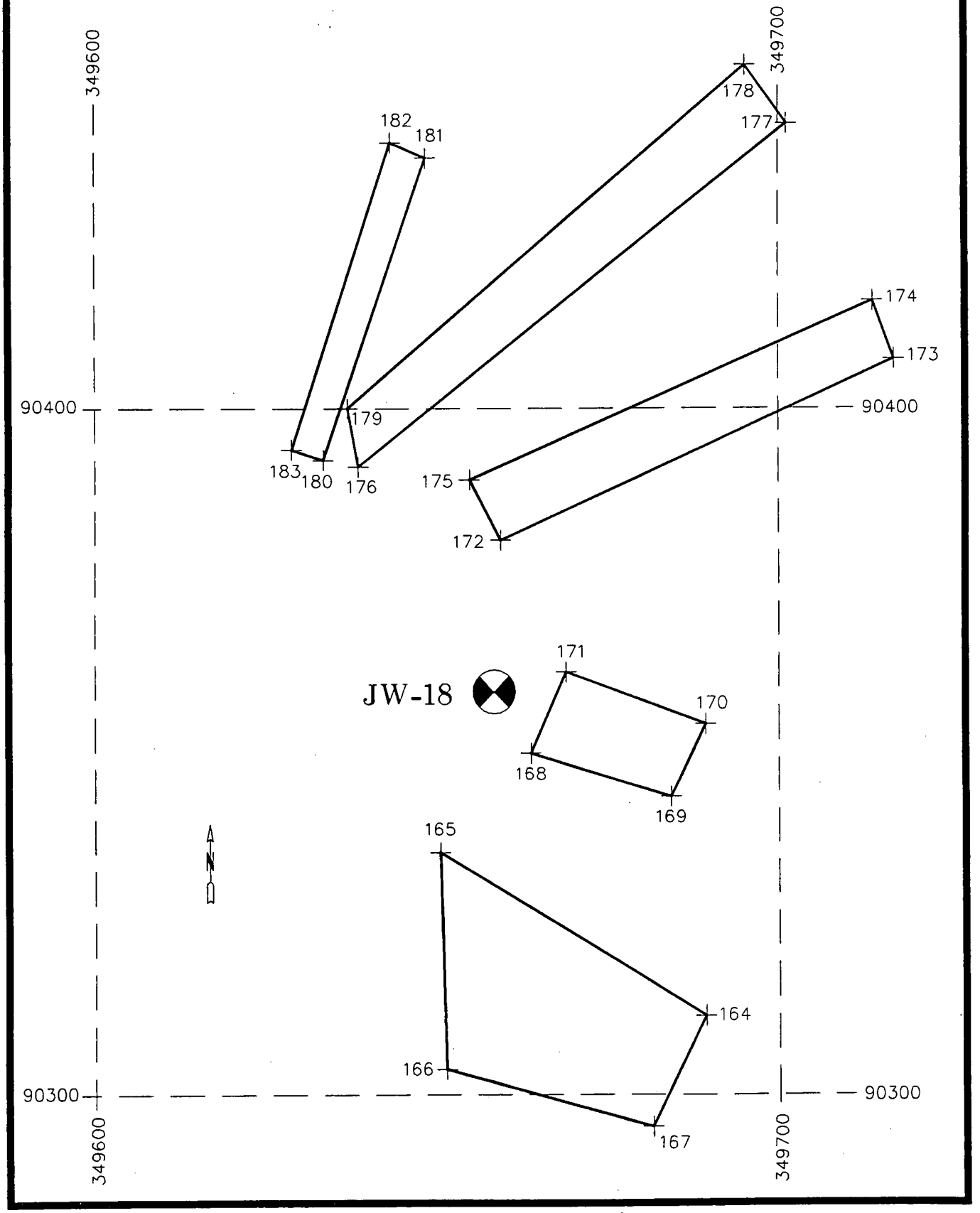


JIL EXCAVATION SITE SKETCHES

PREPARED FOR MCLAREN-HART BY

CAPE SERVICES, INC.

SCALE 1 INCH = 20 FEET SHEET 3 OF 3 OCTOBER 28, 1991

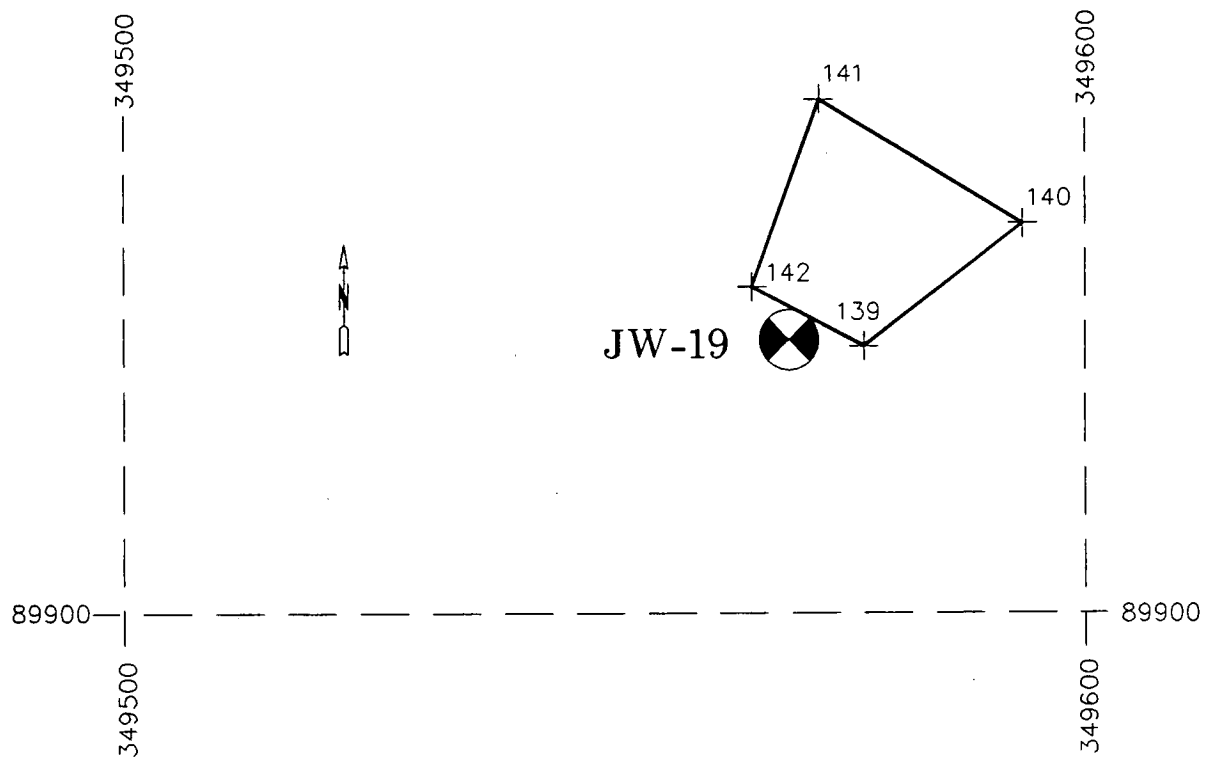


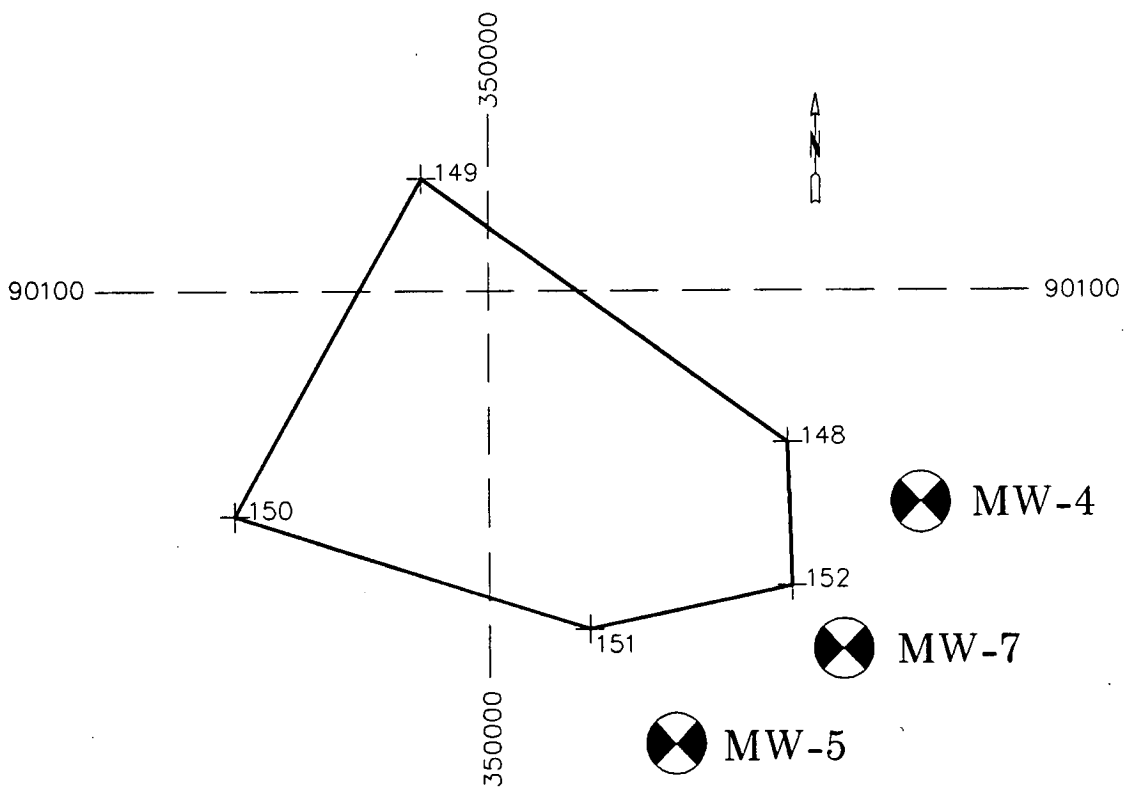
JIL EXCAVATION SITE SKETCHES

PREPARED FOR MCLAREN-HART BY

CAPE SERVICES, INC.

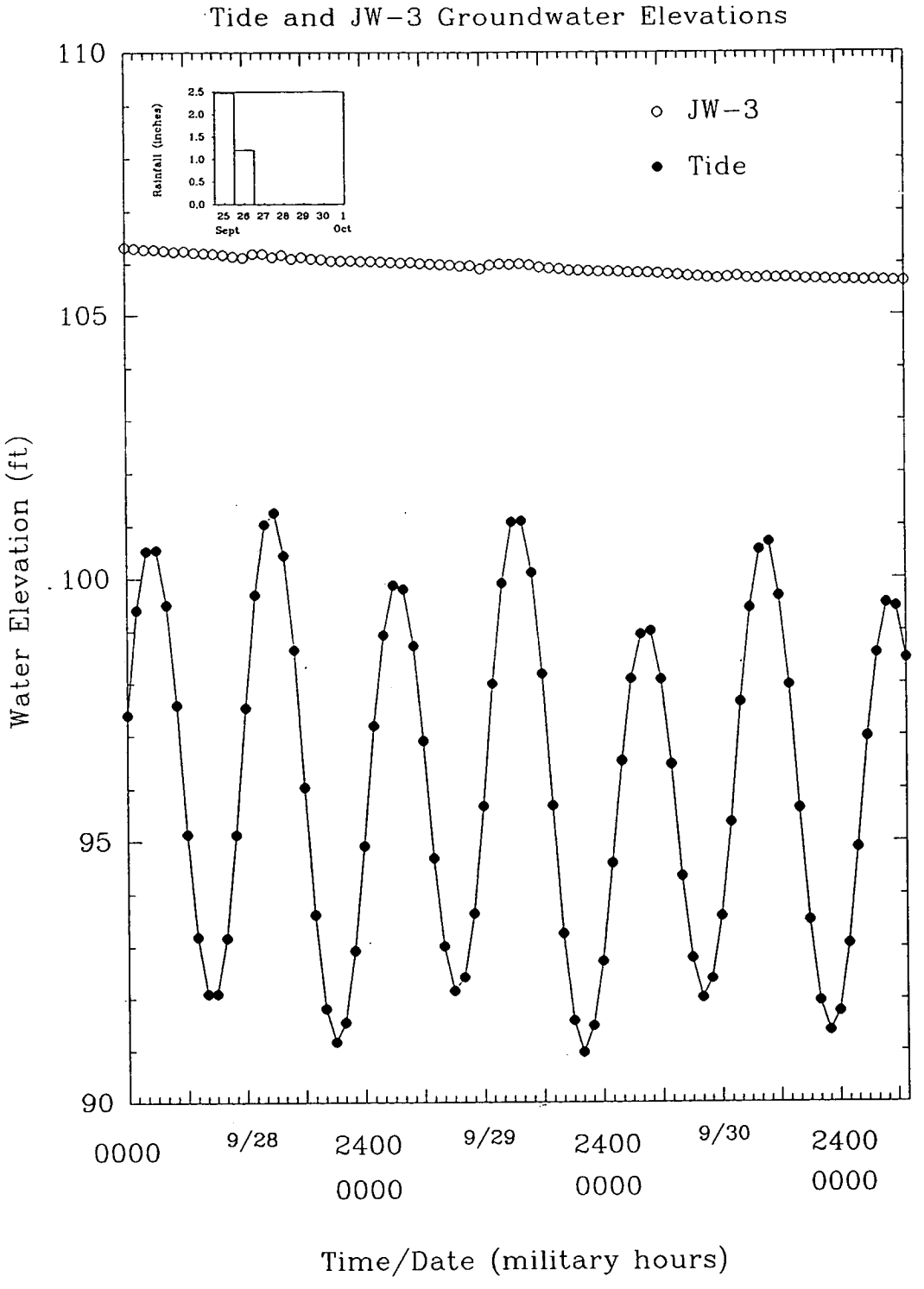
SCALE 1 INCH = 20 FEET SHEET 2 OF 3 OCTOBER 28, 1991

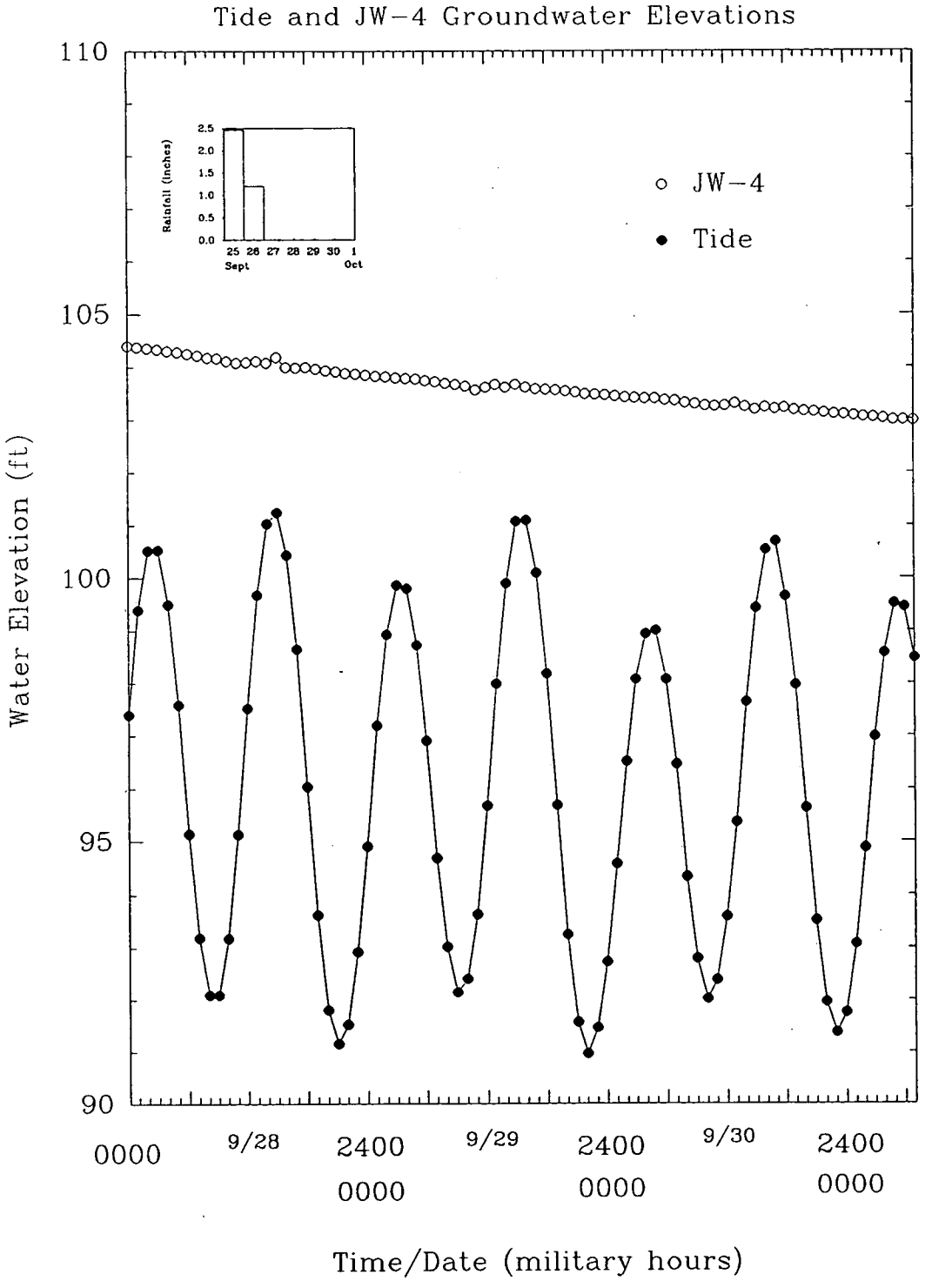


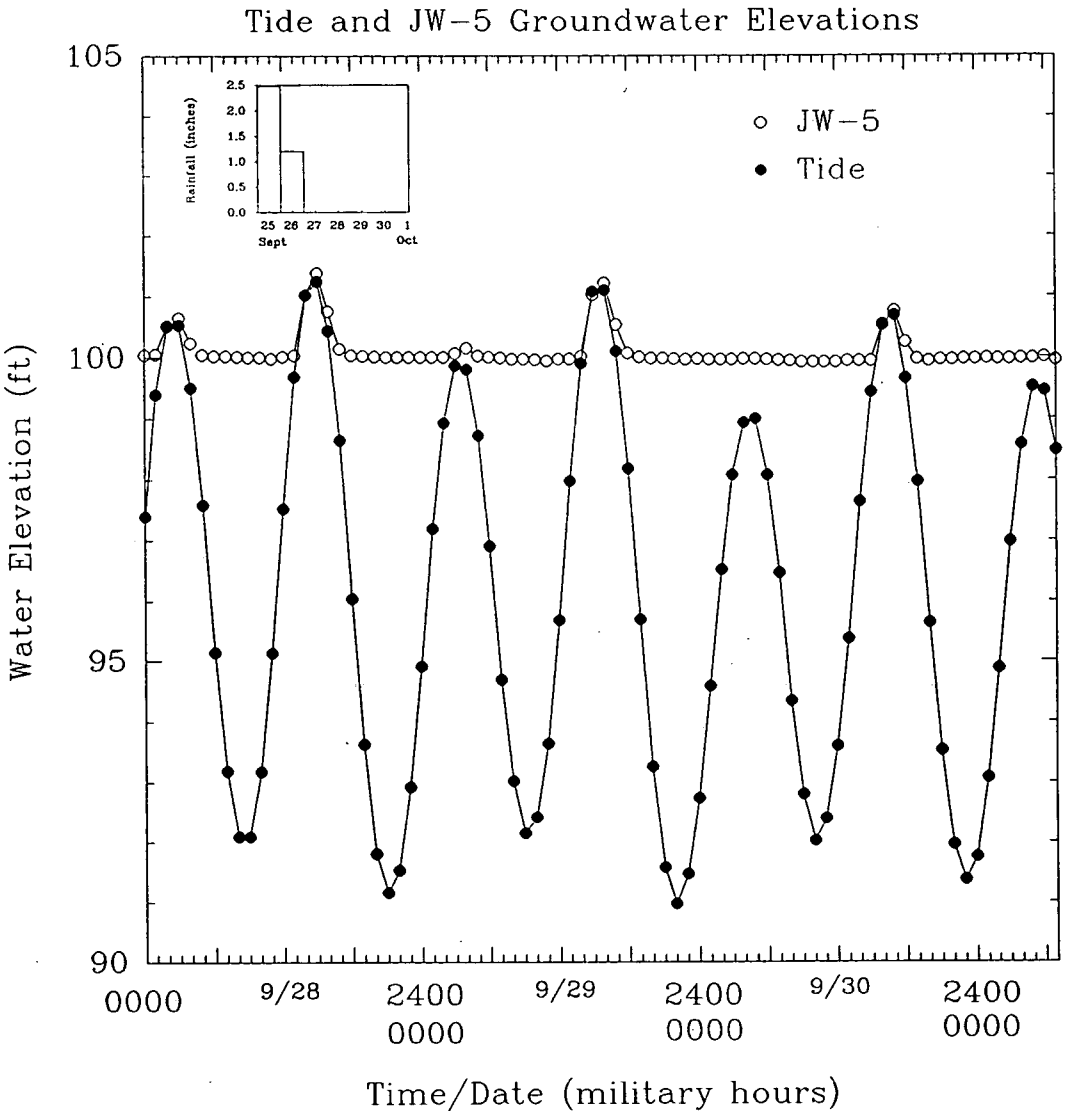


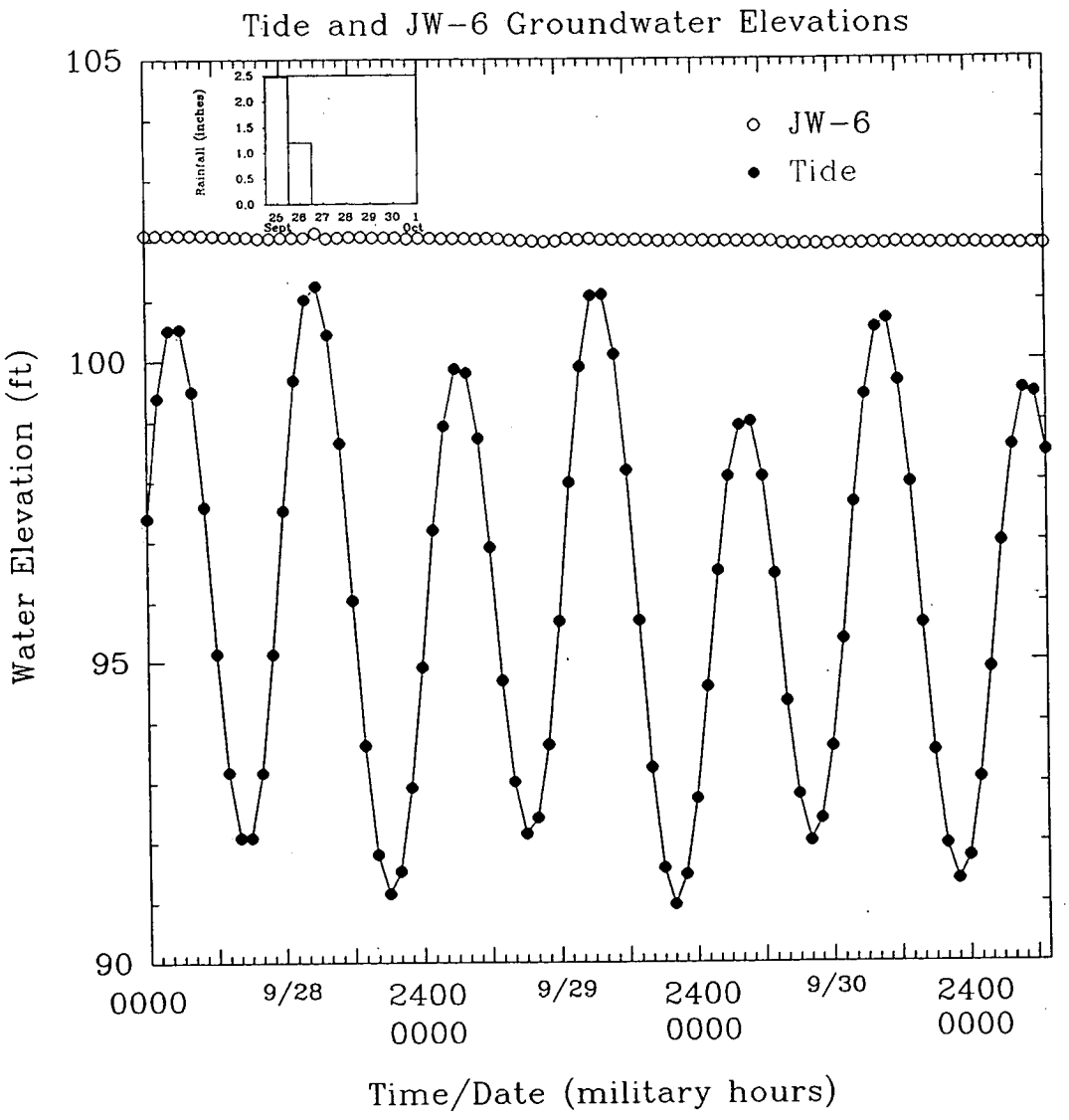
APPENDIX VII

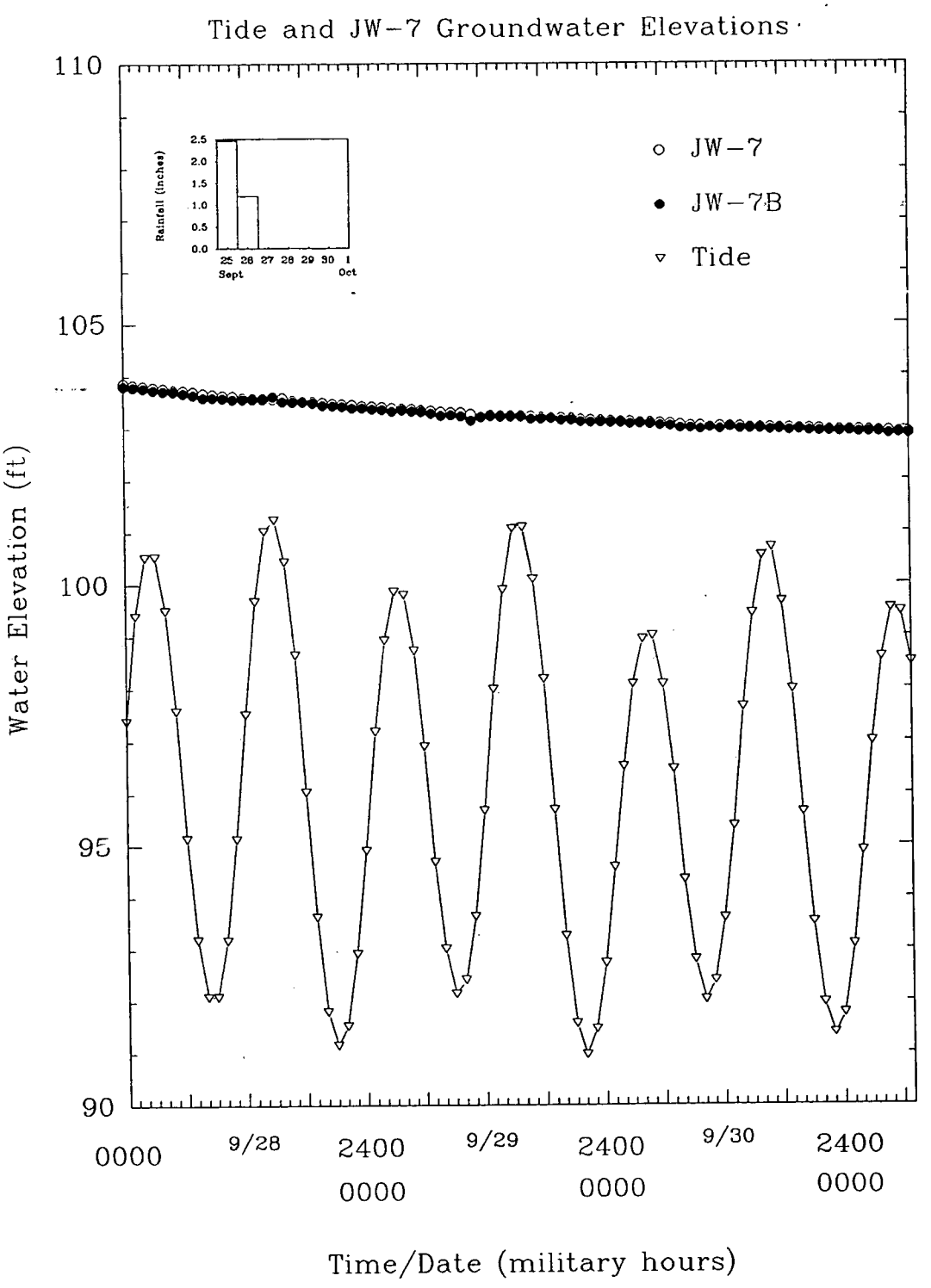
JAMAICA ISLAND LANDFILL AND MERCURY BURIAL SITES HYDROGRAPHS AND SLUG TEST WATER-LEVEL RECOVERY GRAPHS

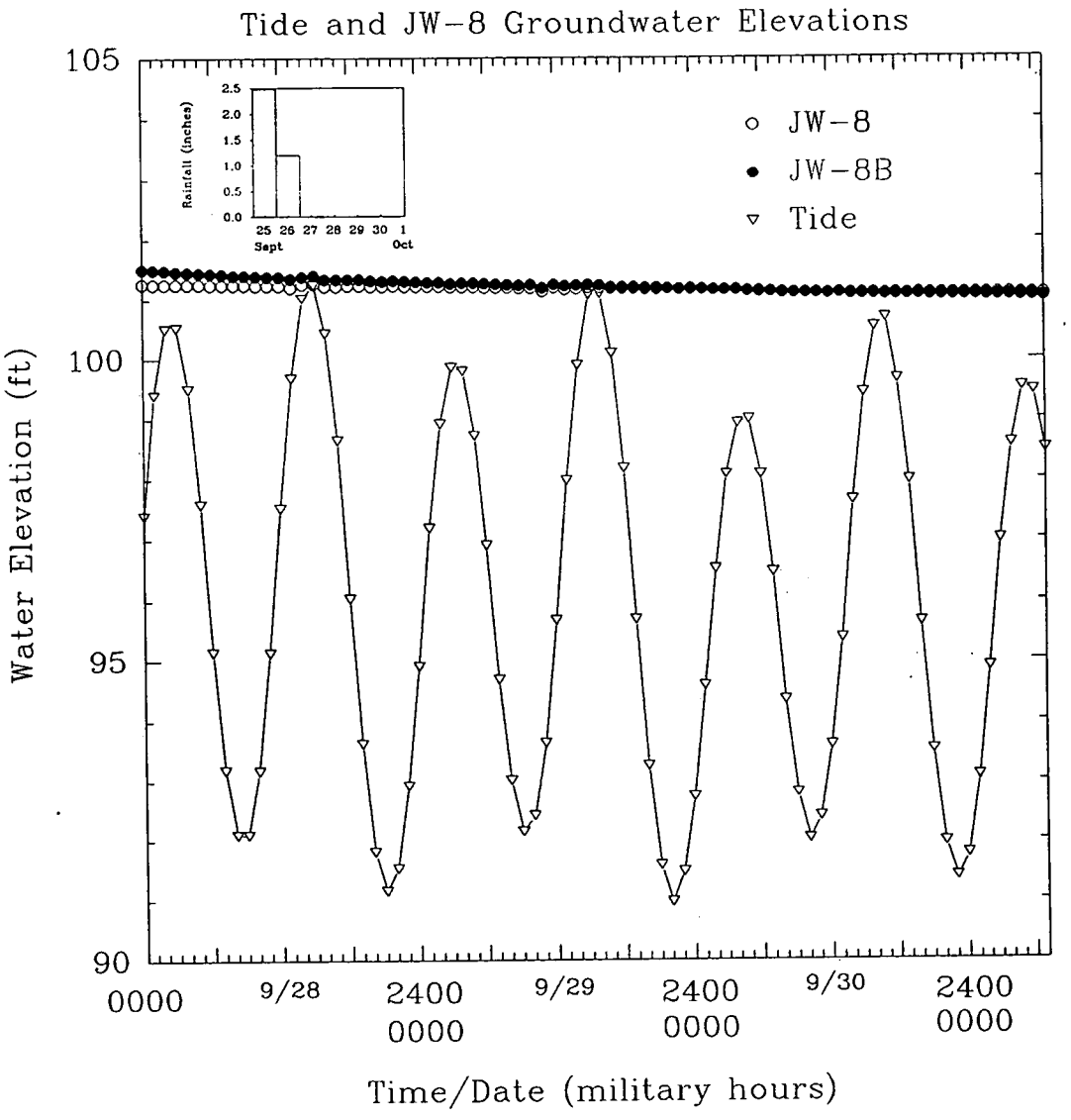

Tide and JW-3 Groundwater Elevations
110
105
100
95
90
Water Elevation (ft)
JW-3
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)

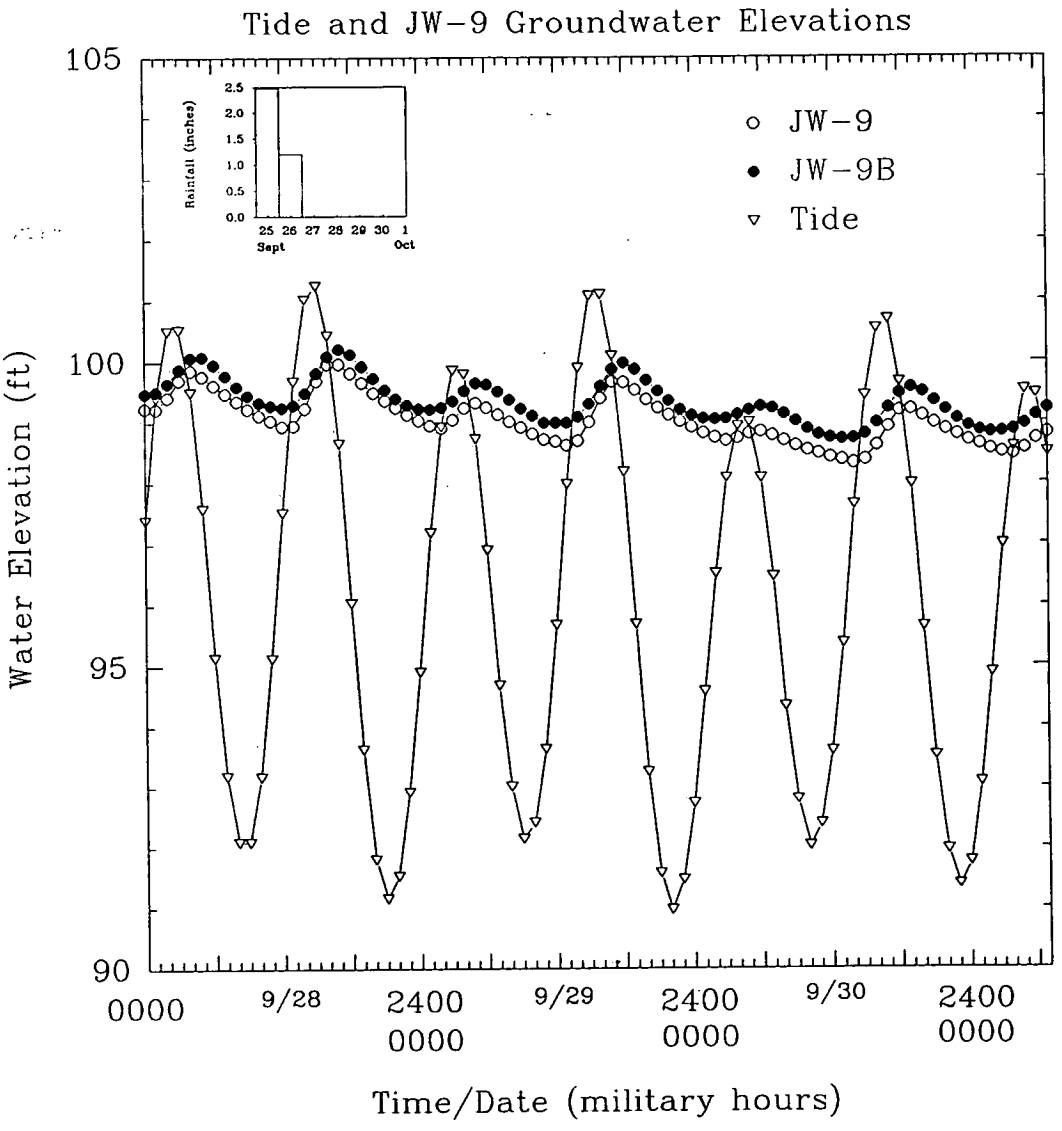

Tide and JW-4 Groundwater Elevations
110
105
100
95
90
Water Elevation (ft)
JW-4
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)

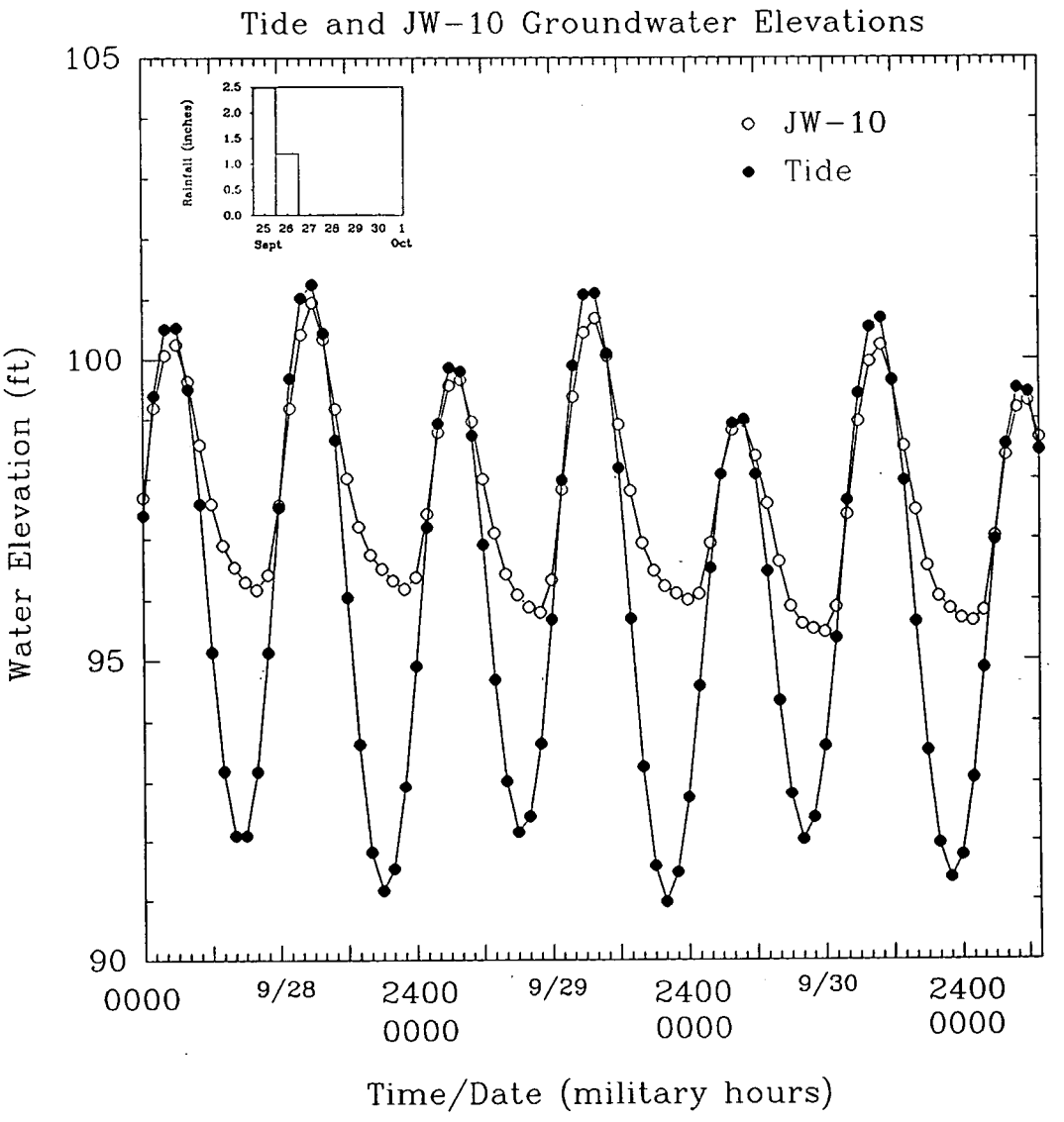

Tide and JW-5 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
JW-5
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)

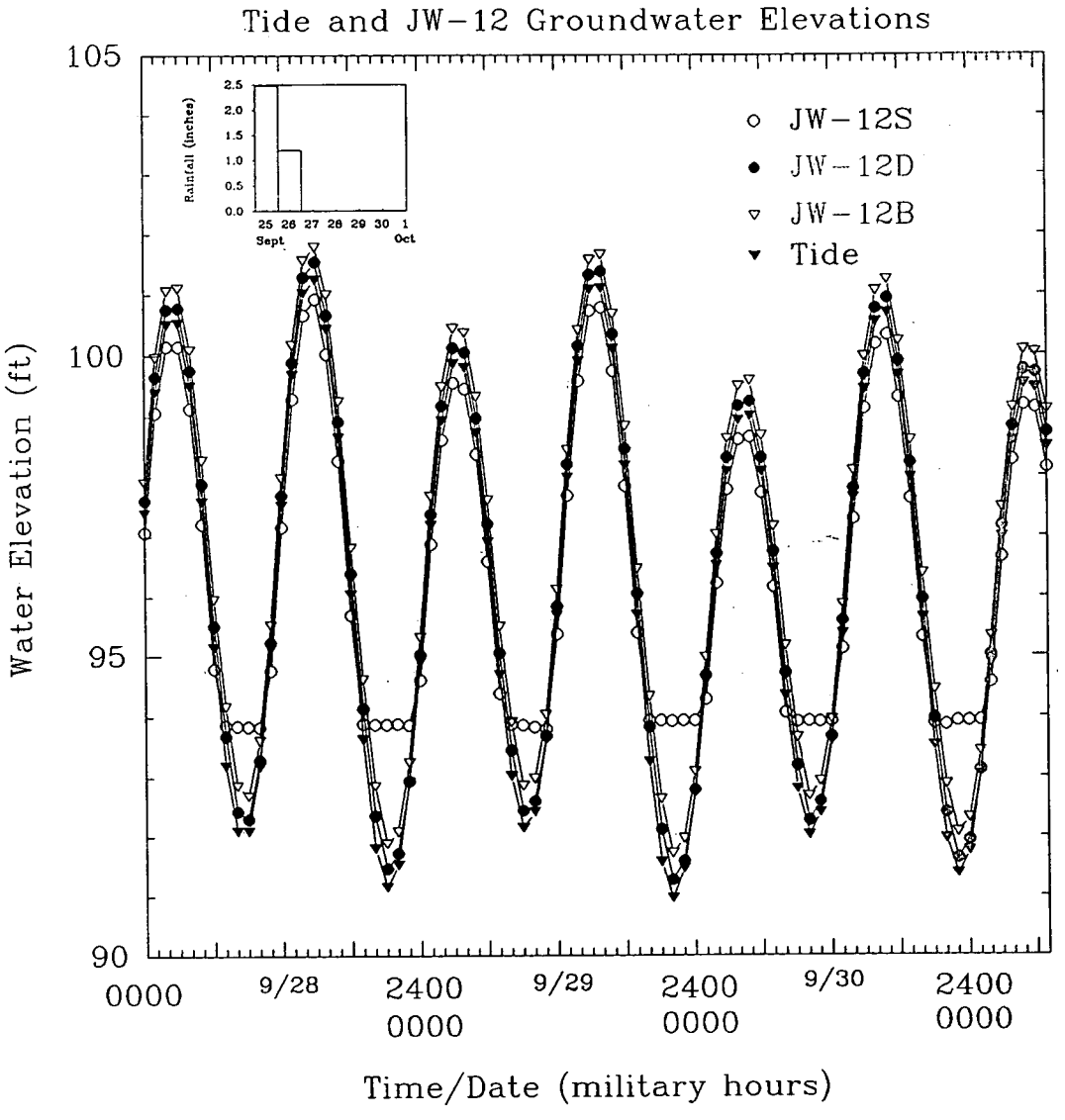

Tide and JW-6 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
JW-6
Tide
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)

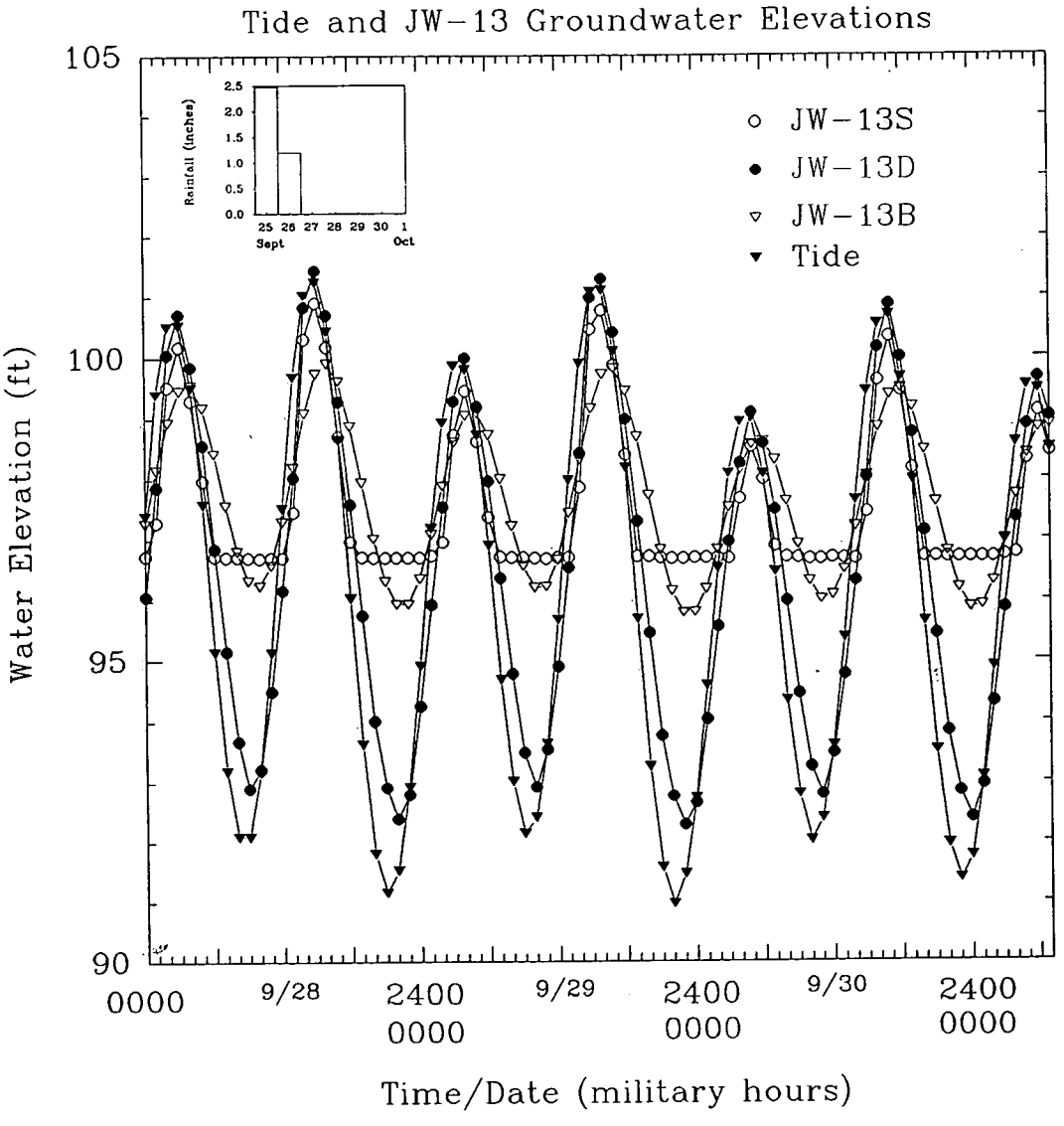

Tide and JW-7 Groundwater Elevations
110
105
100
95
90
Water Elevation (ft)
JW-7
JW-7B
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)

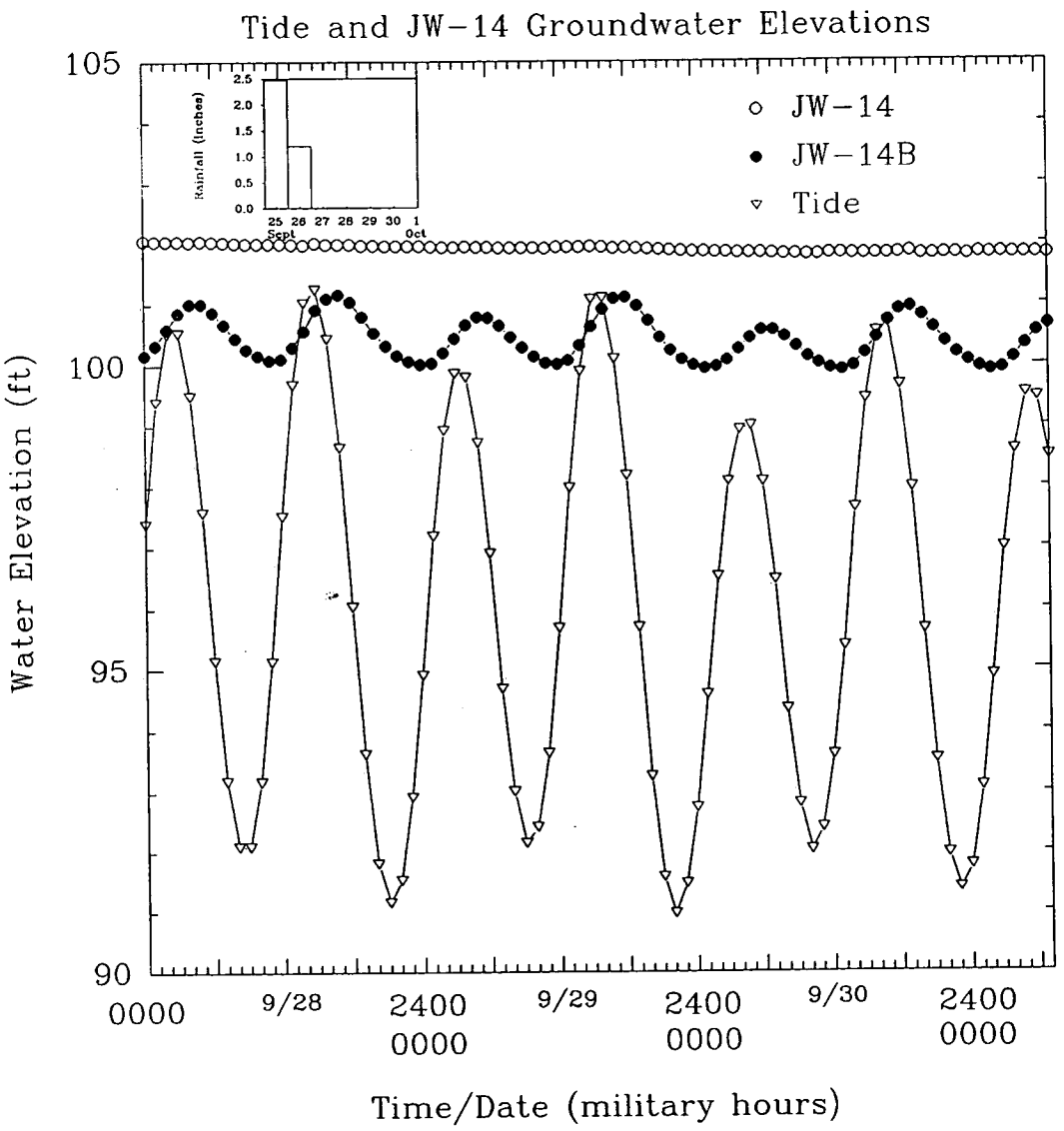

Tide and JW-8 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)
JW-8
JW-8B
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct

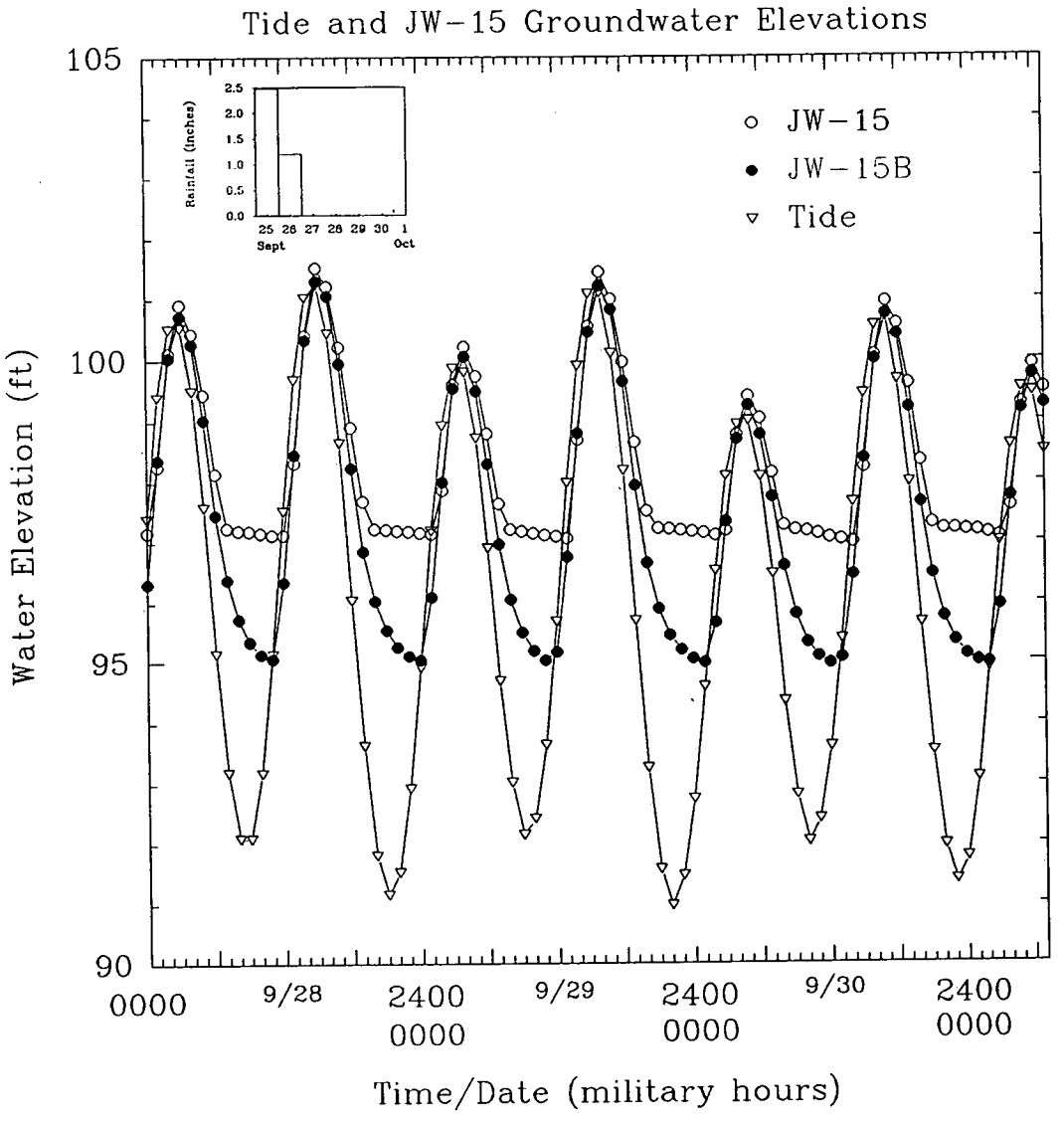

Tide and JW-9 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)
JW-9
JW-9B
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct

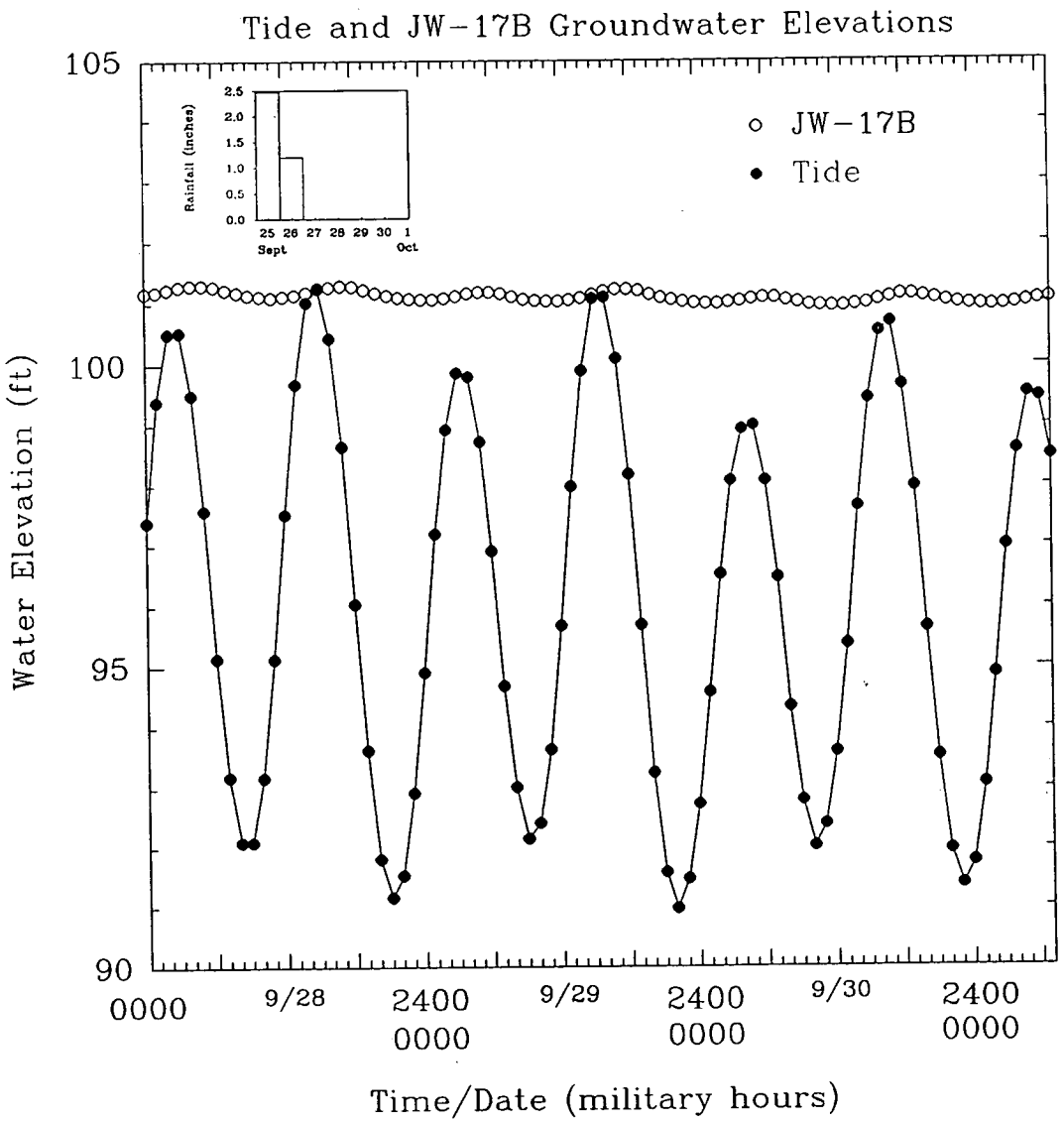

Tide and JW-10 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
JW-10
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)

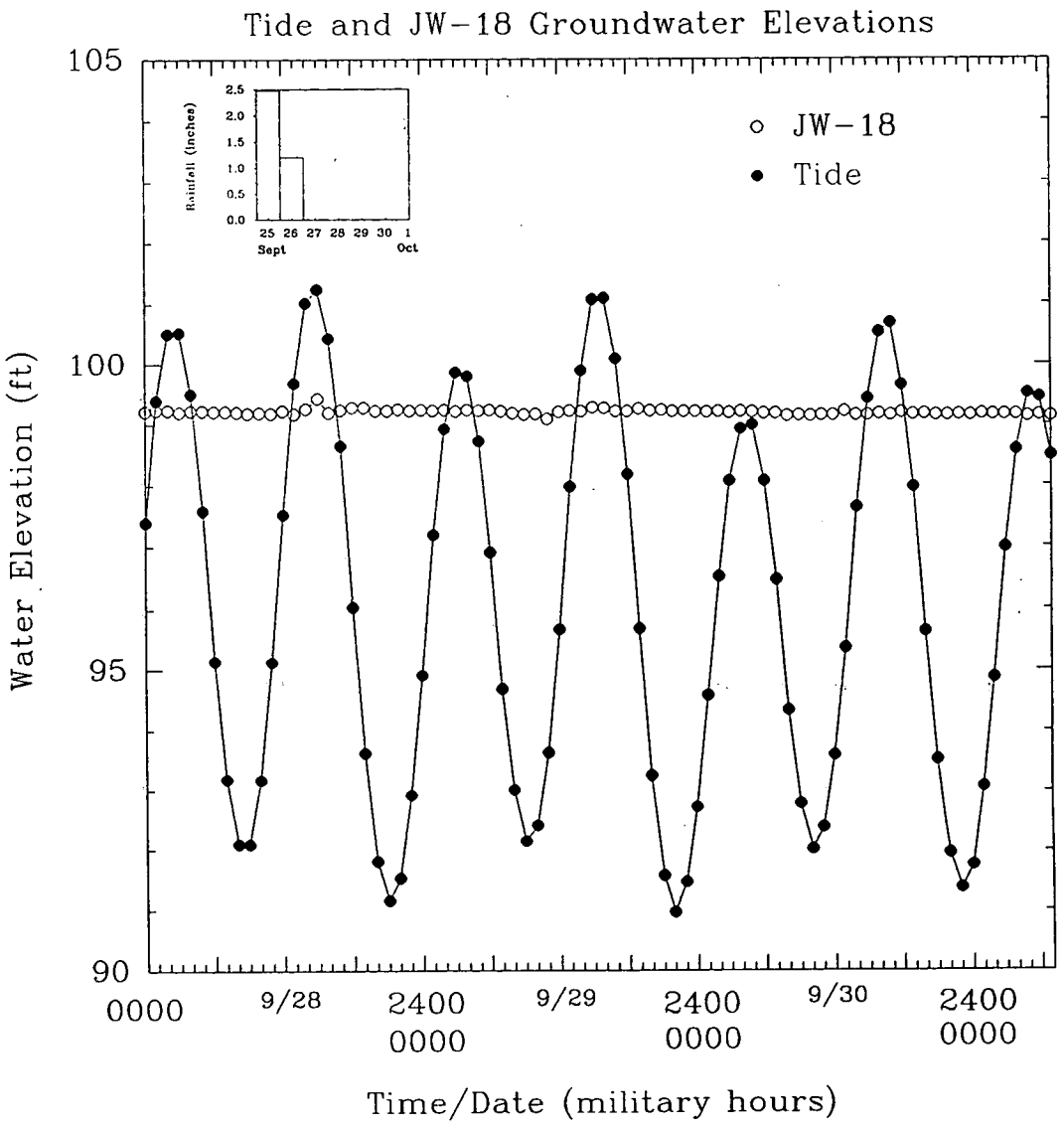

Tide and JW-12 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)
JW-12S
JW-12D
JW-12B
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct

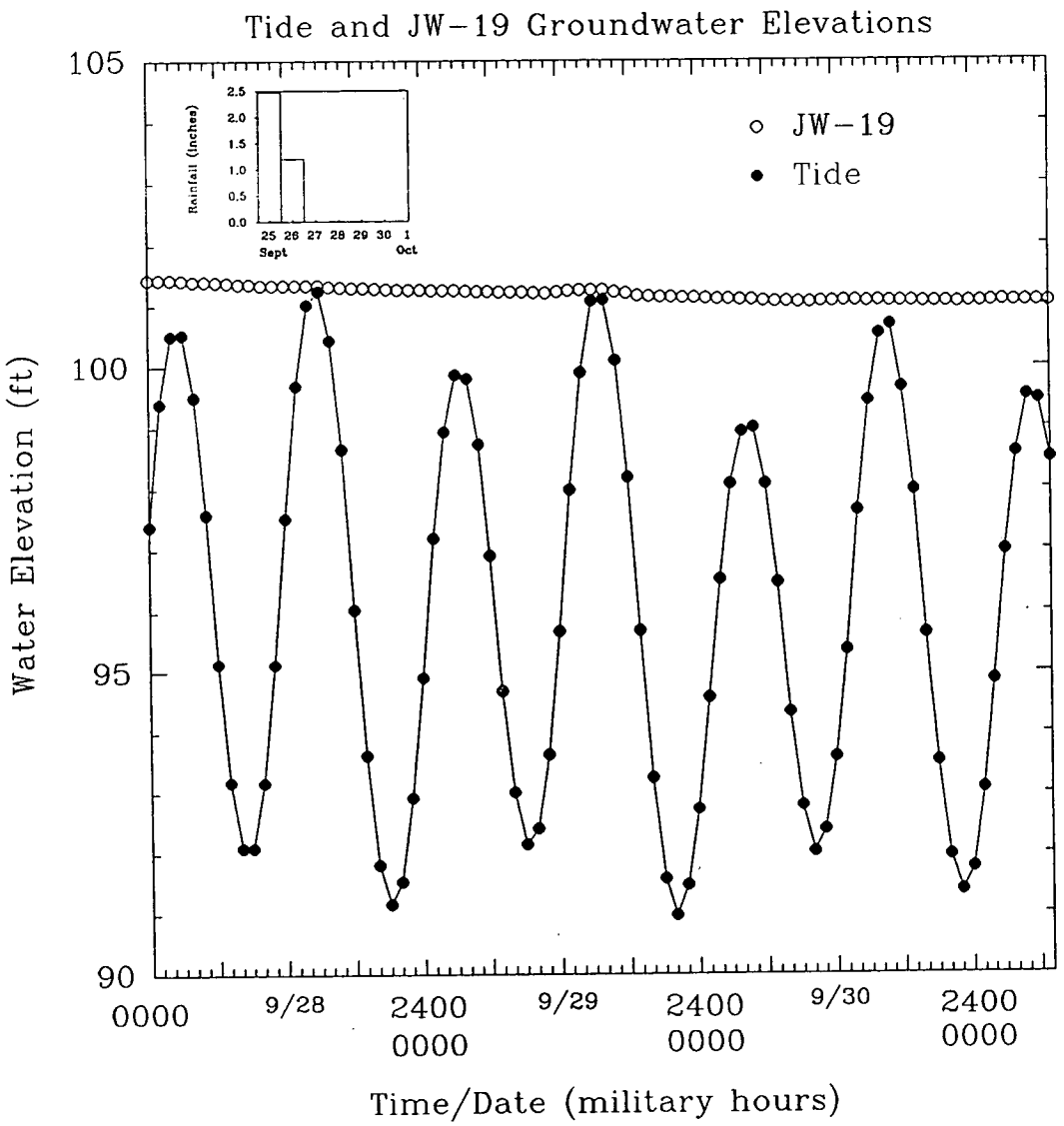

Tide and JW-13 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)
JW-13S
JW-13D
JW-13B
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct

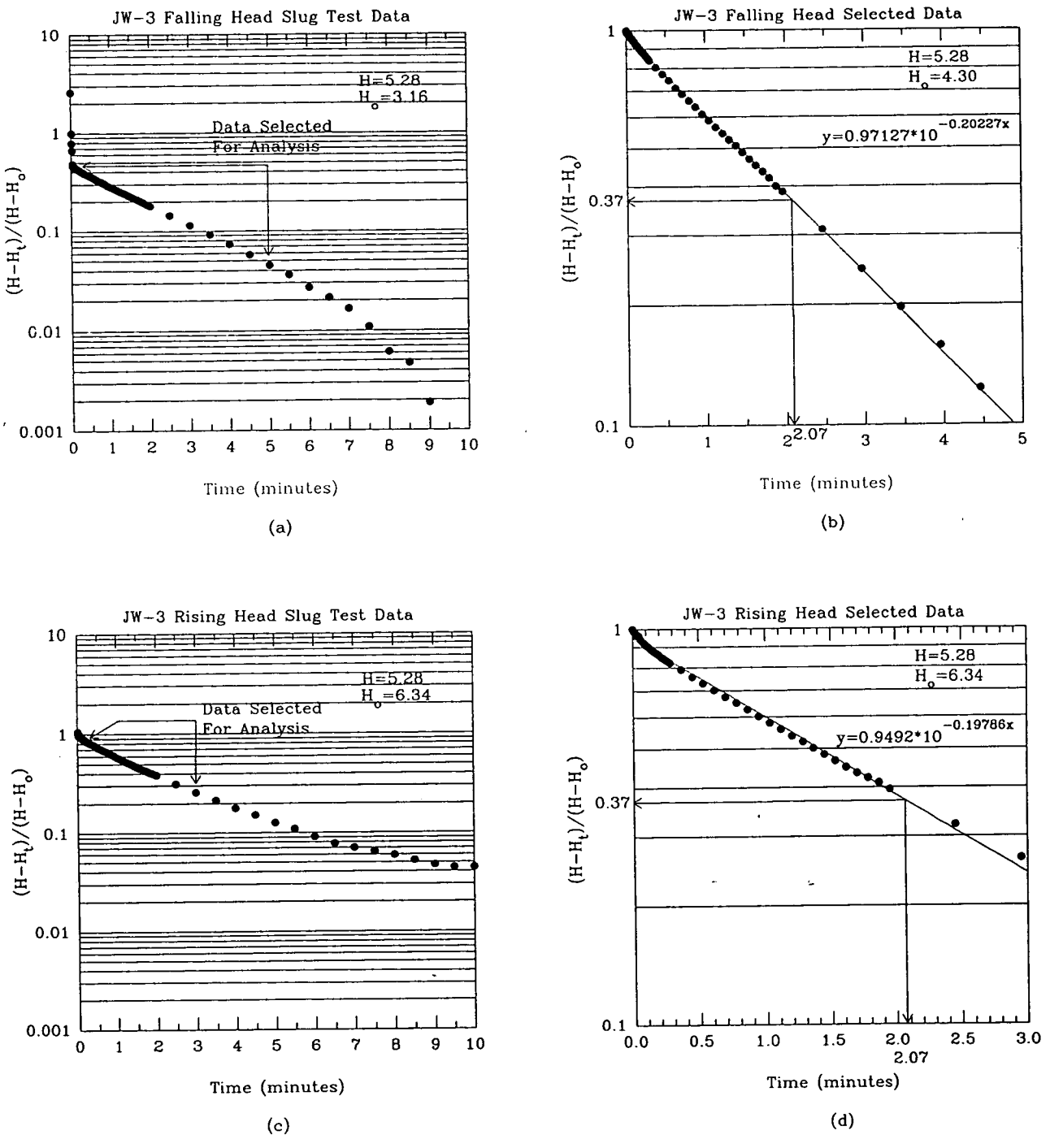

Tide and JW-14 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)
JW-14
JW-14B
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct


Tide and JW-15 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)
JW-15
JW-15B
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct

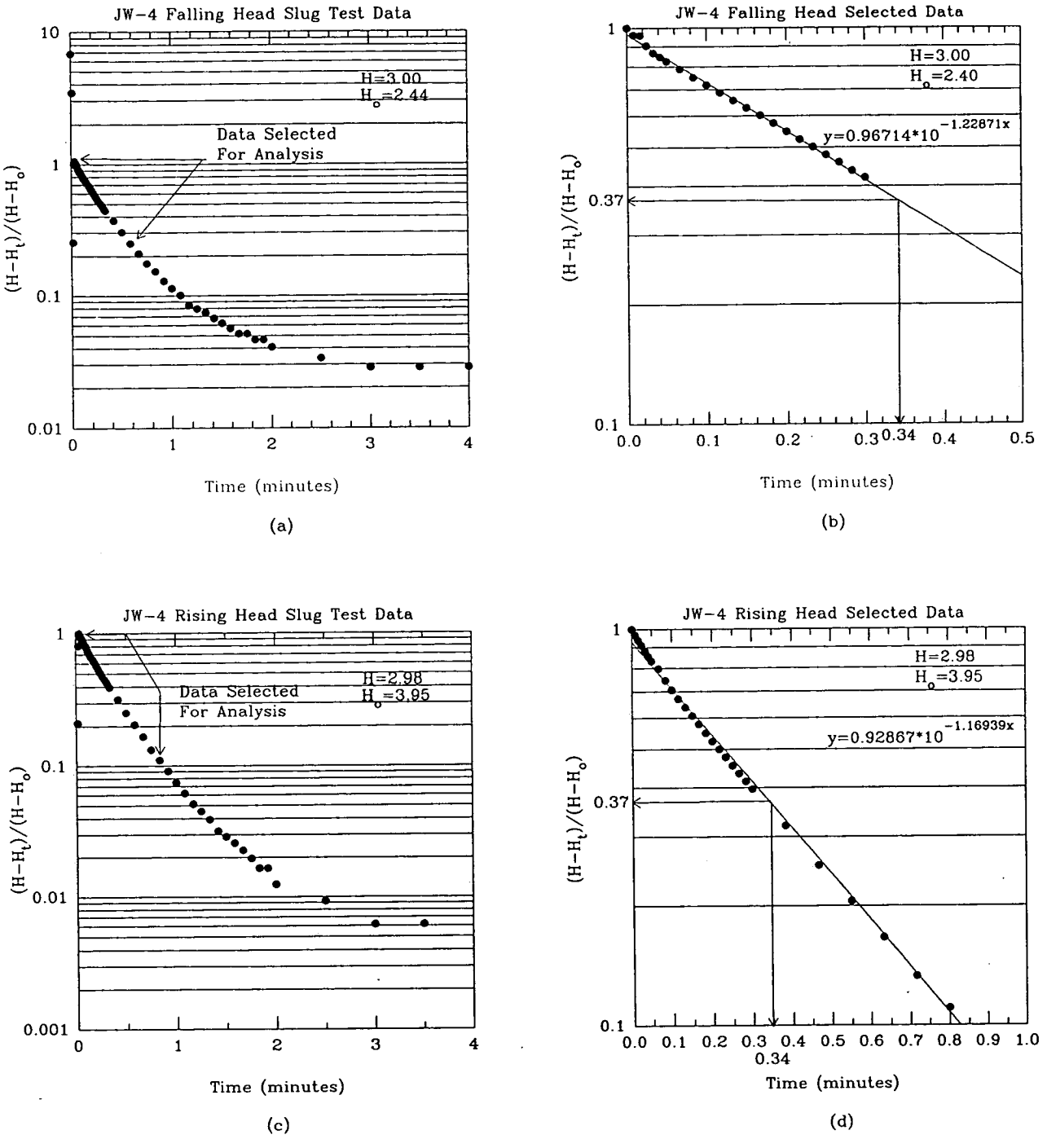

Tide and JW-17B Groundwater Elevations
105
100
95
90
Water Elevation (ft)
JW-17B
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)


Tide and JW-18 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
JW-18
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)

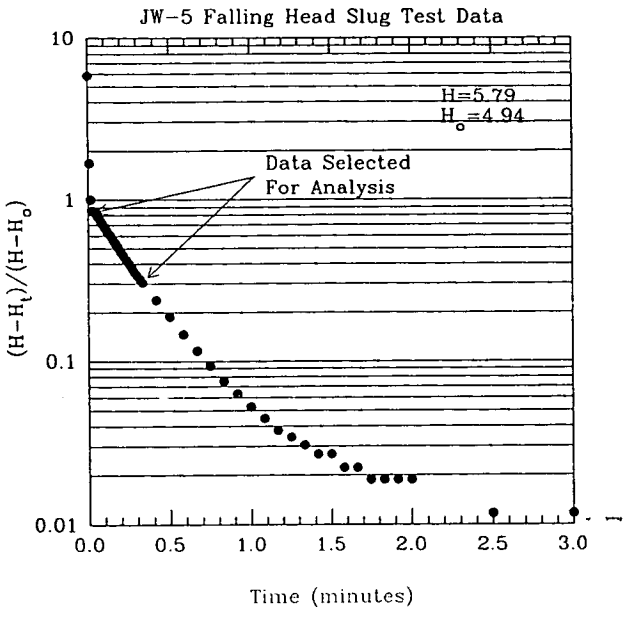

Tide and JW-19 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
JW-19
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)



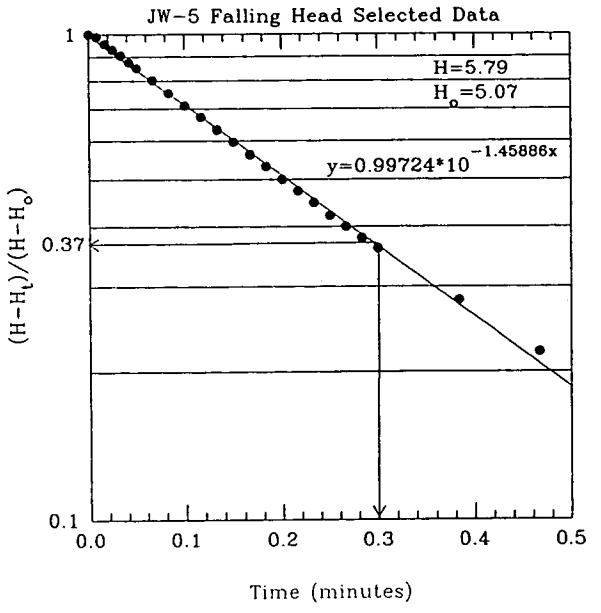
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



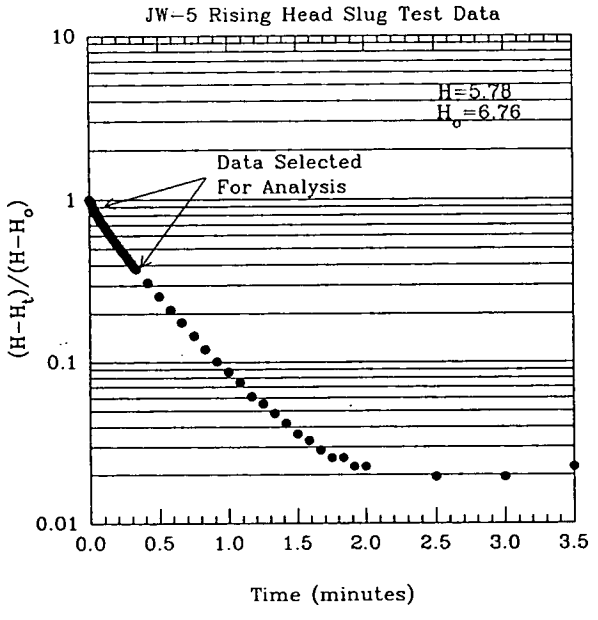
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



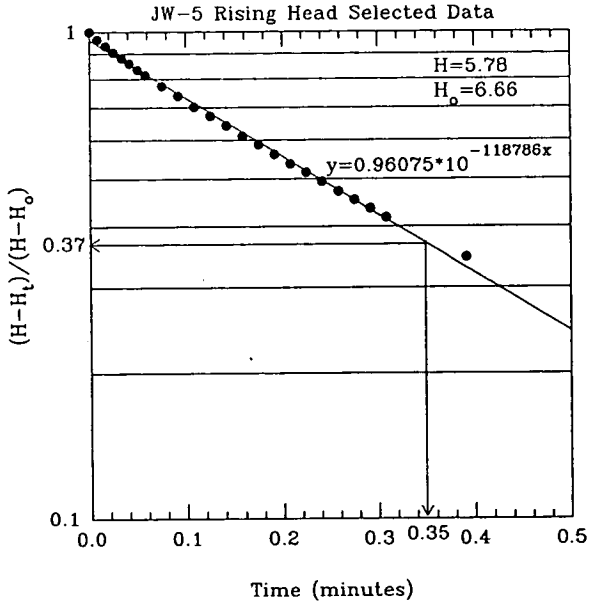
(a)



(b)

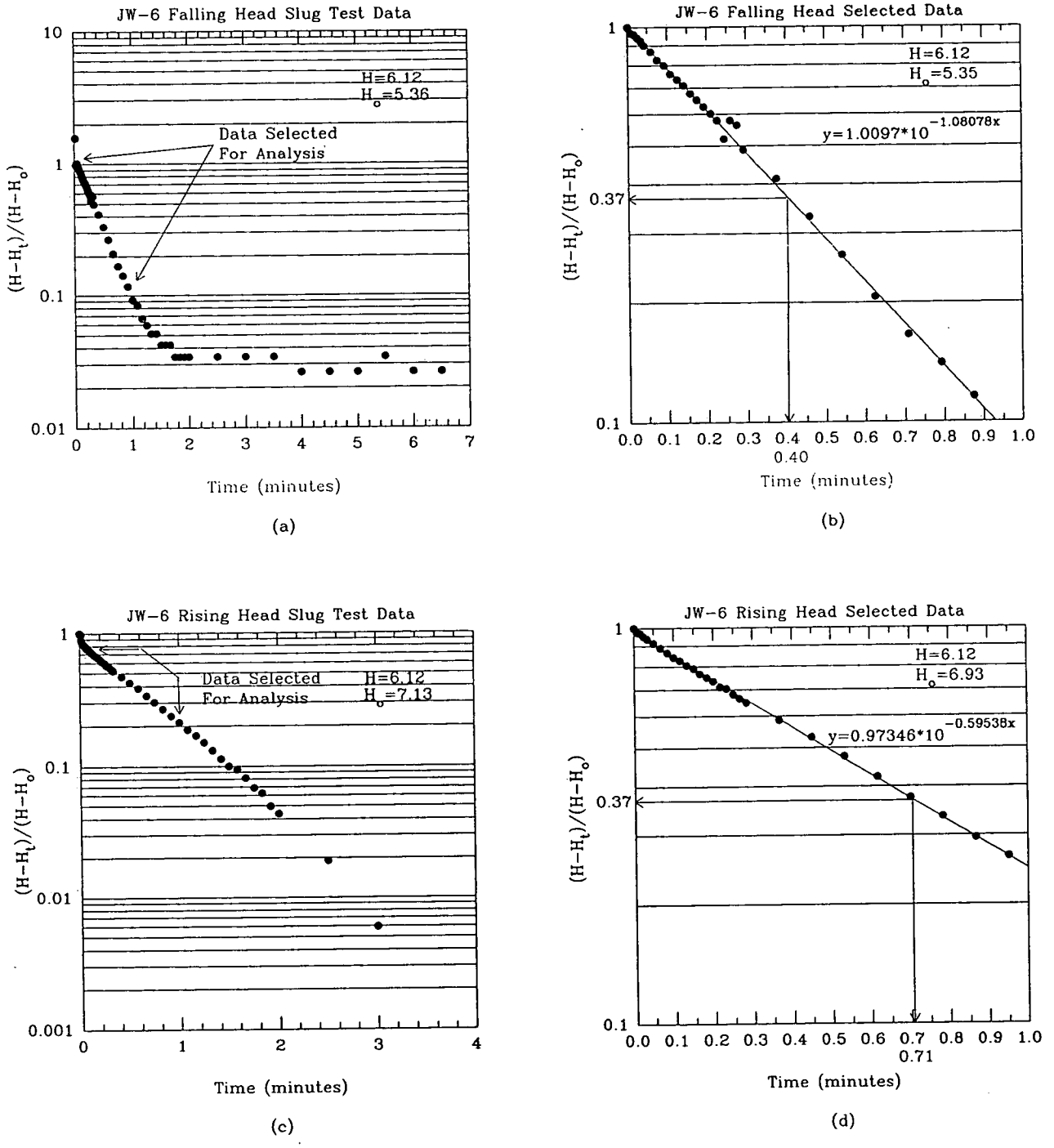


(c)

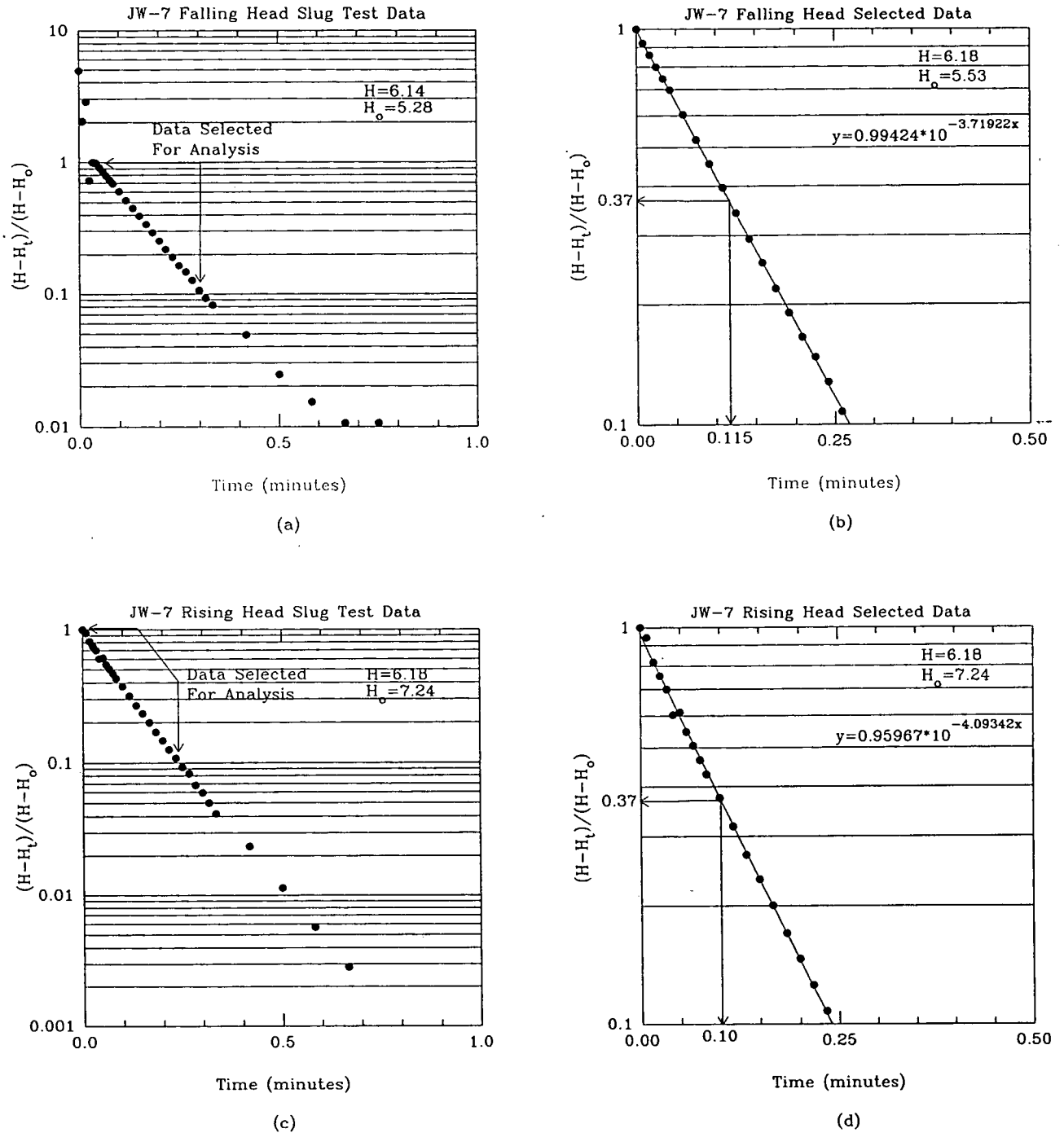


(d)

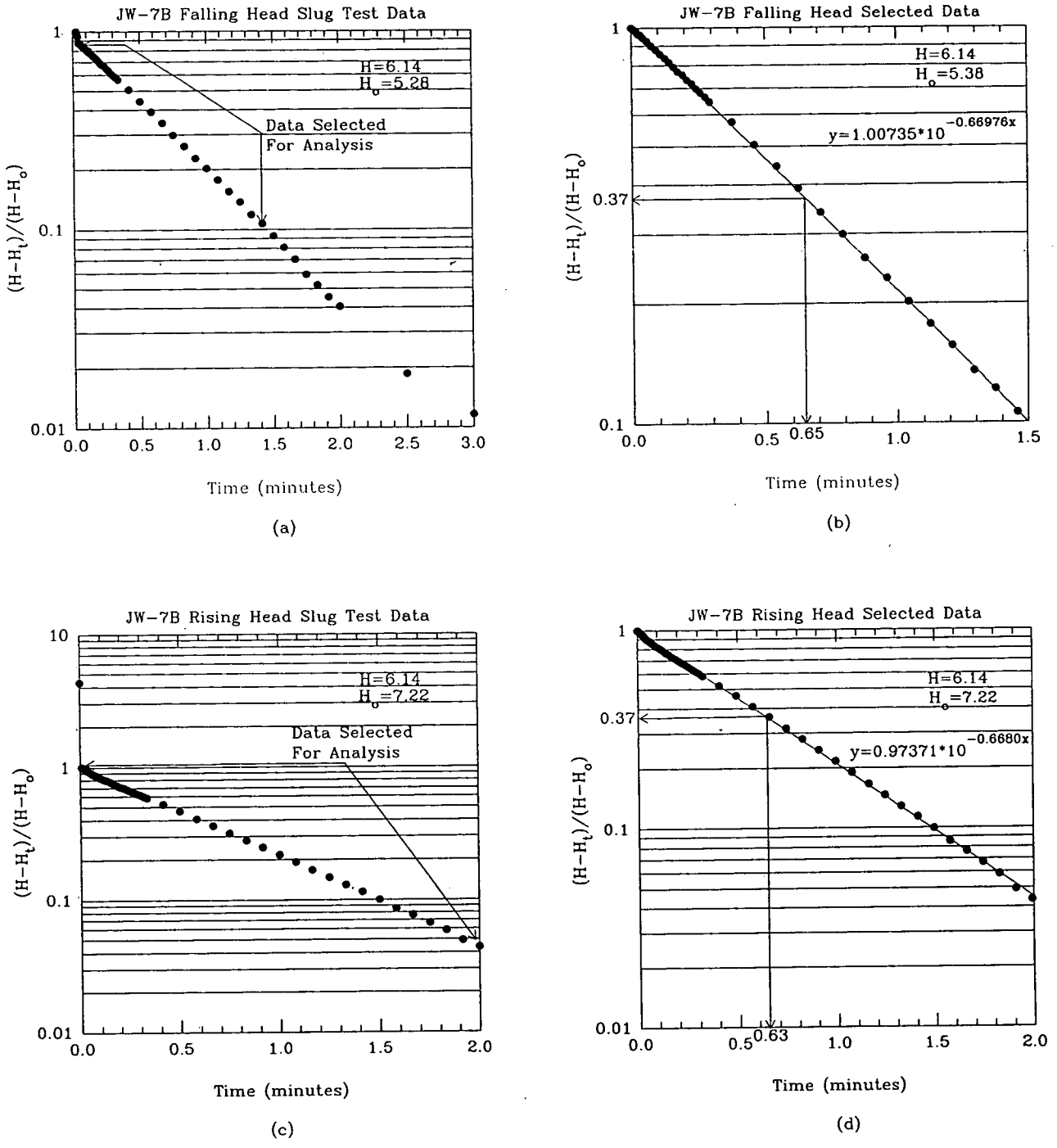
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



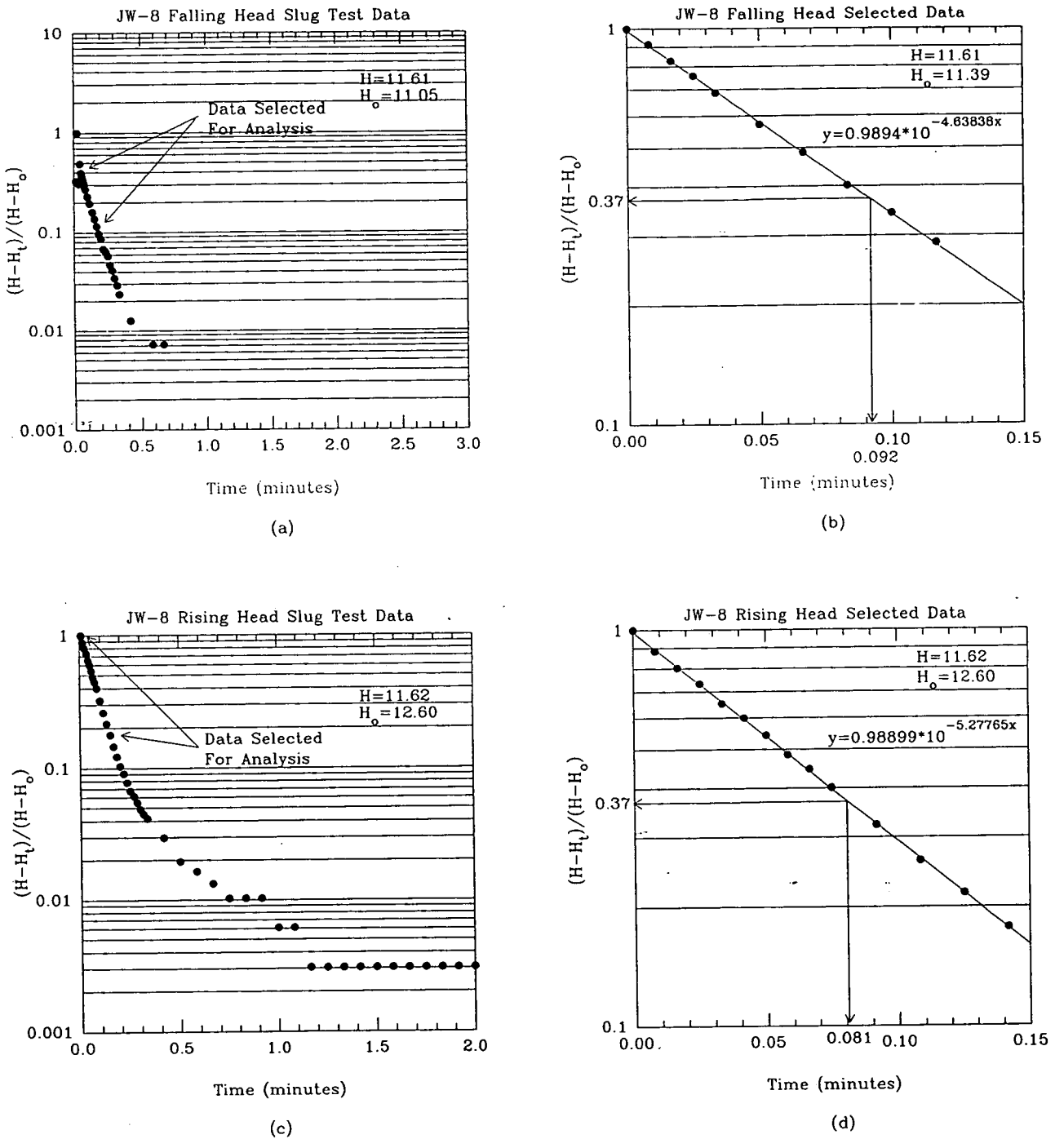
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



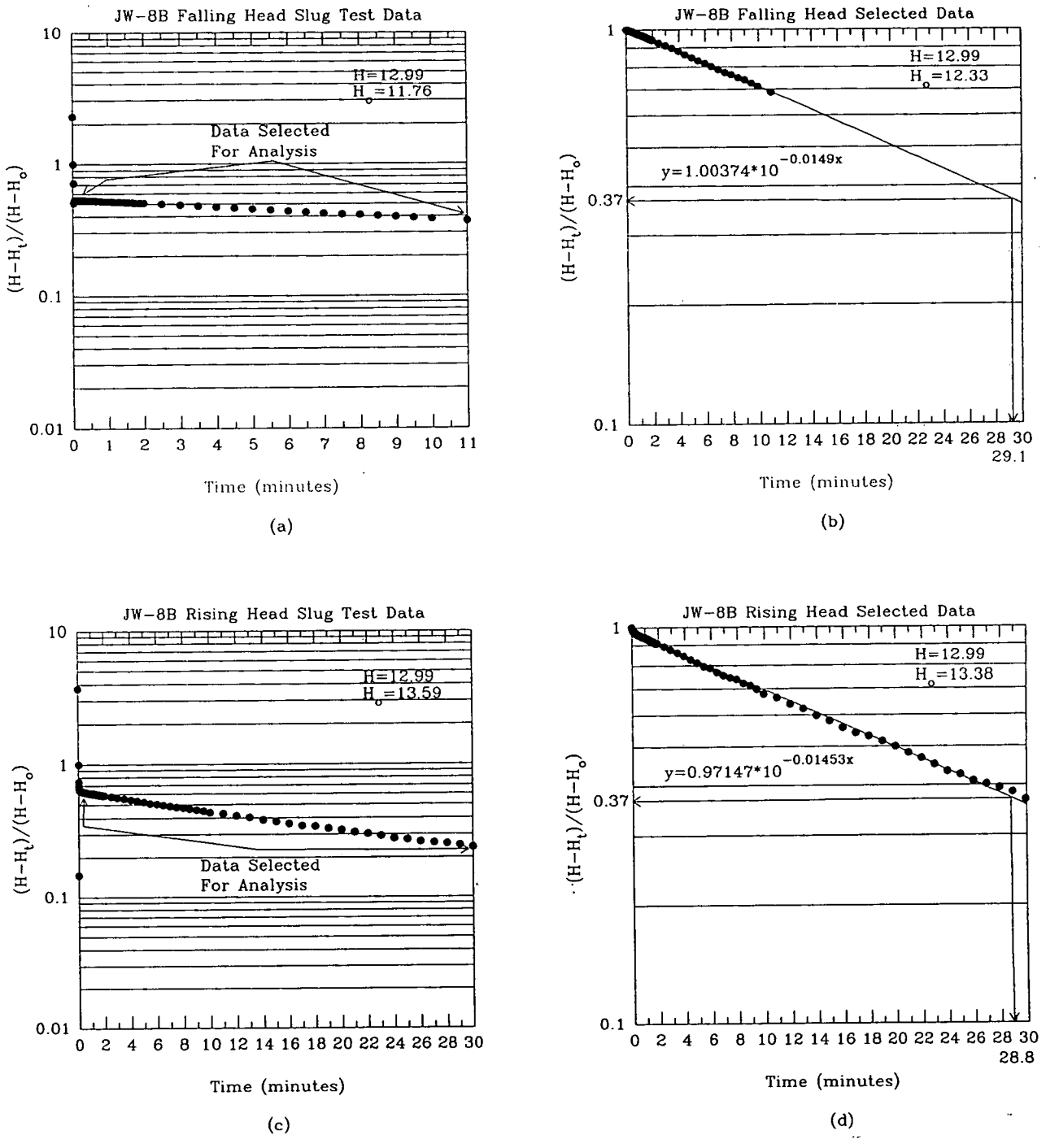
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



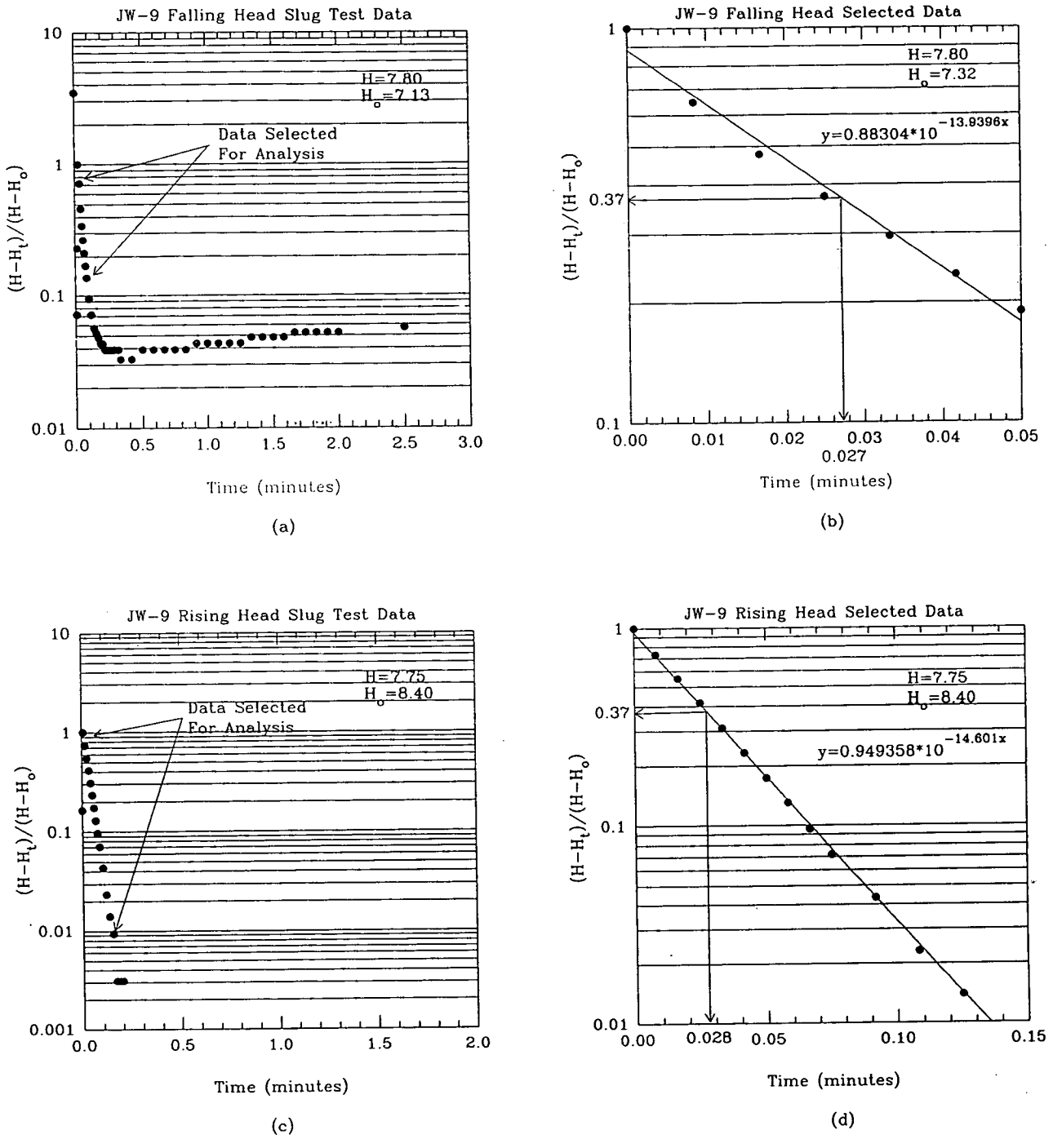
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



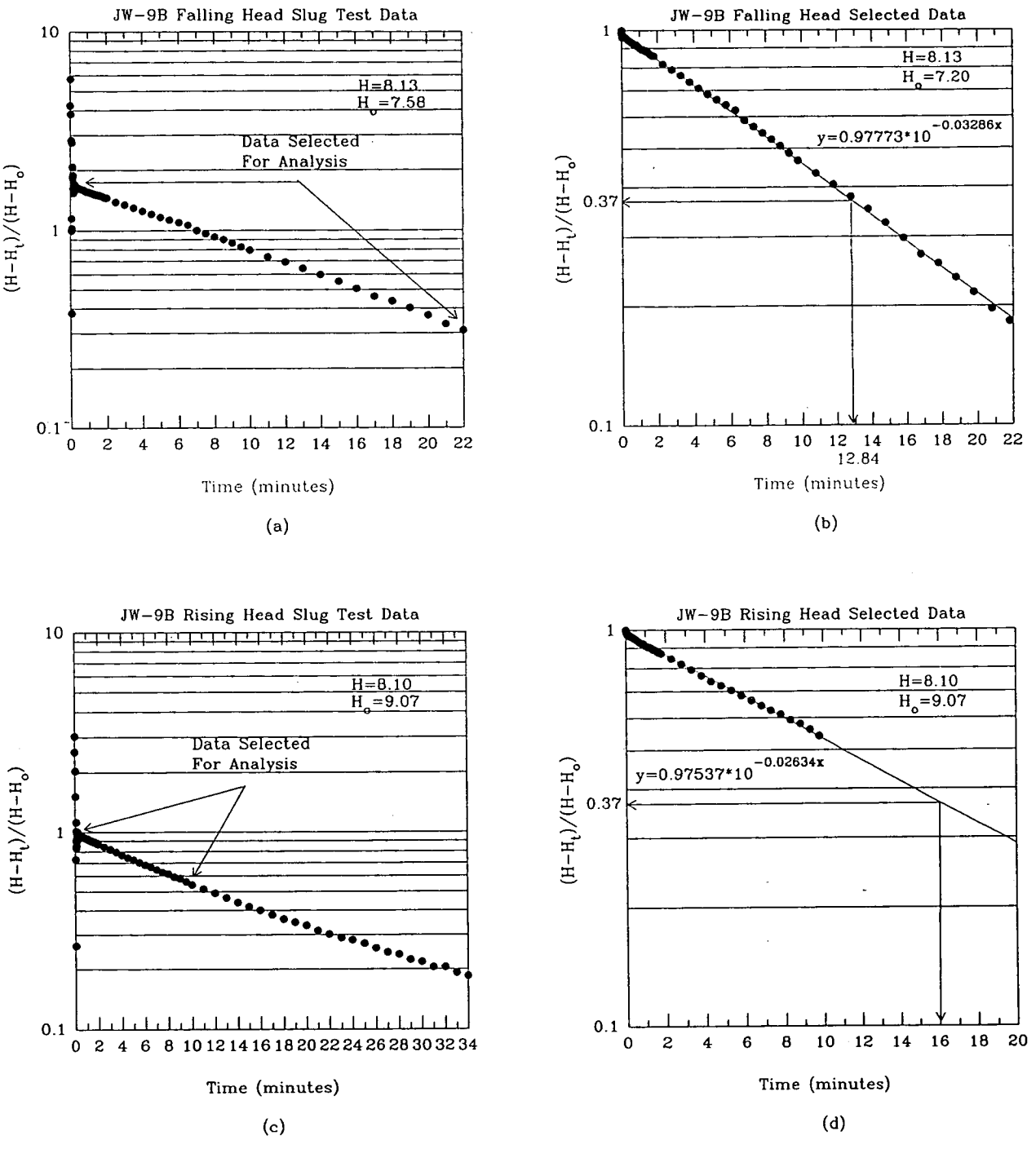
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



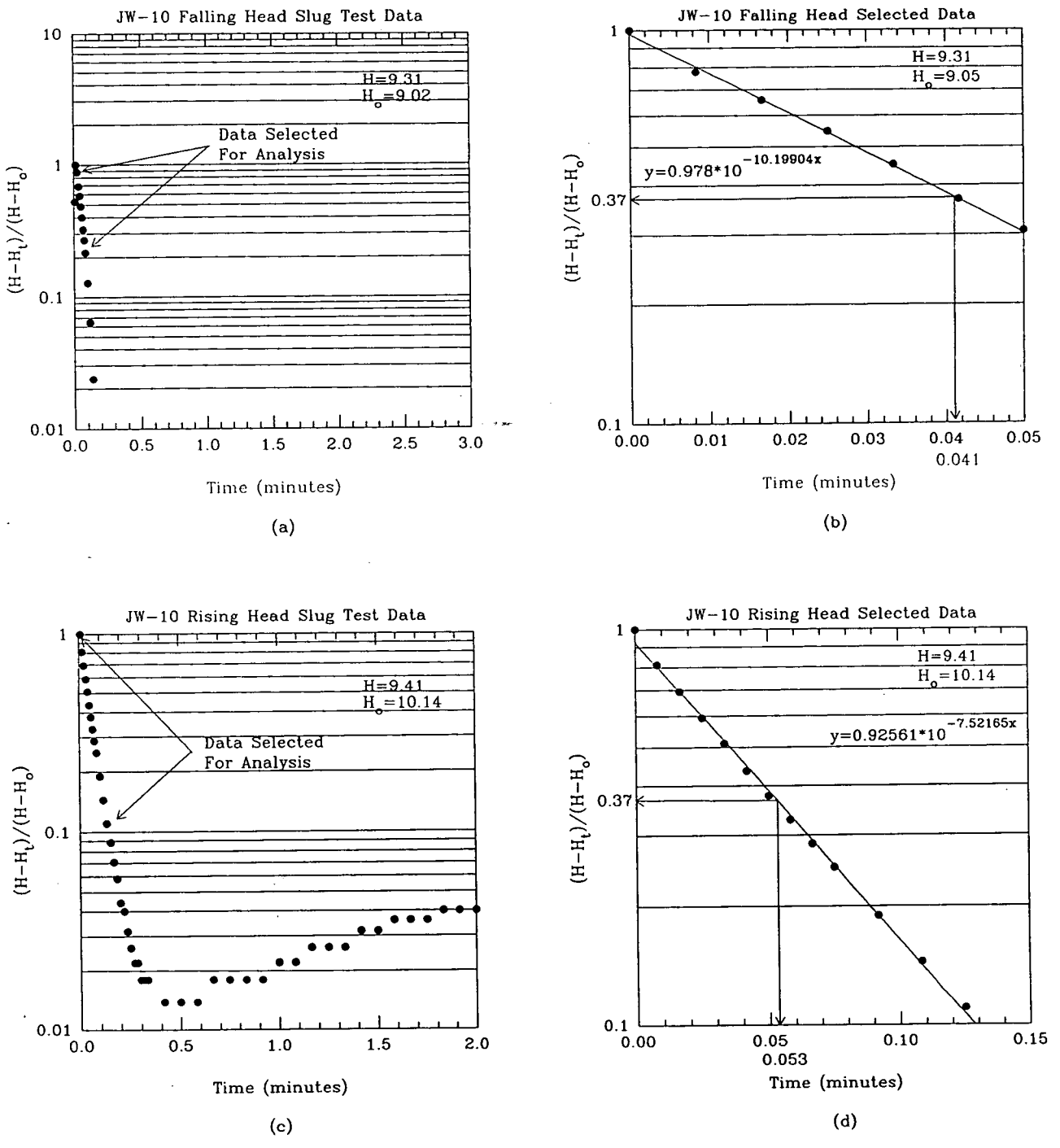
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



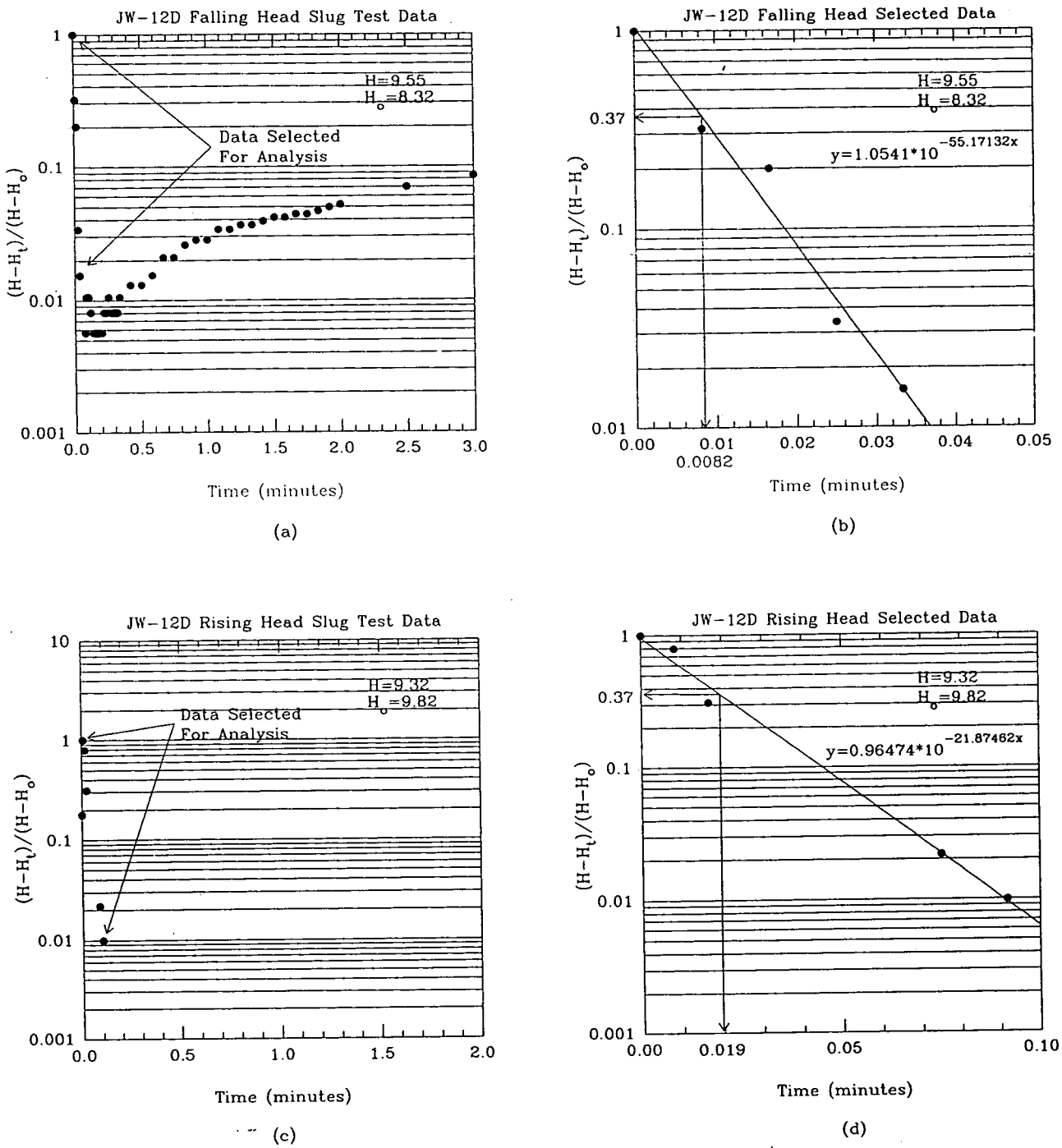
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



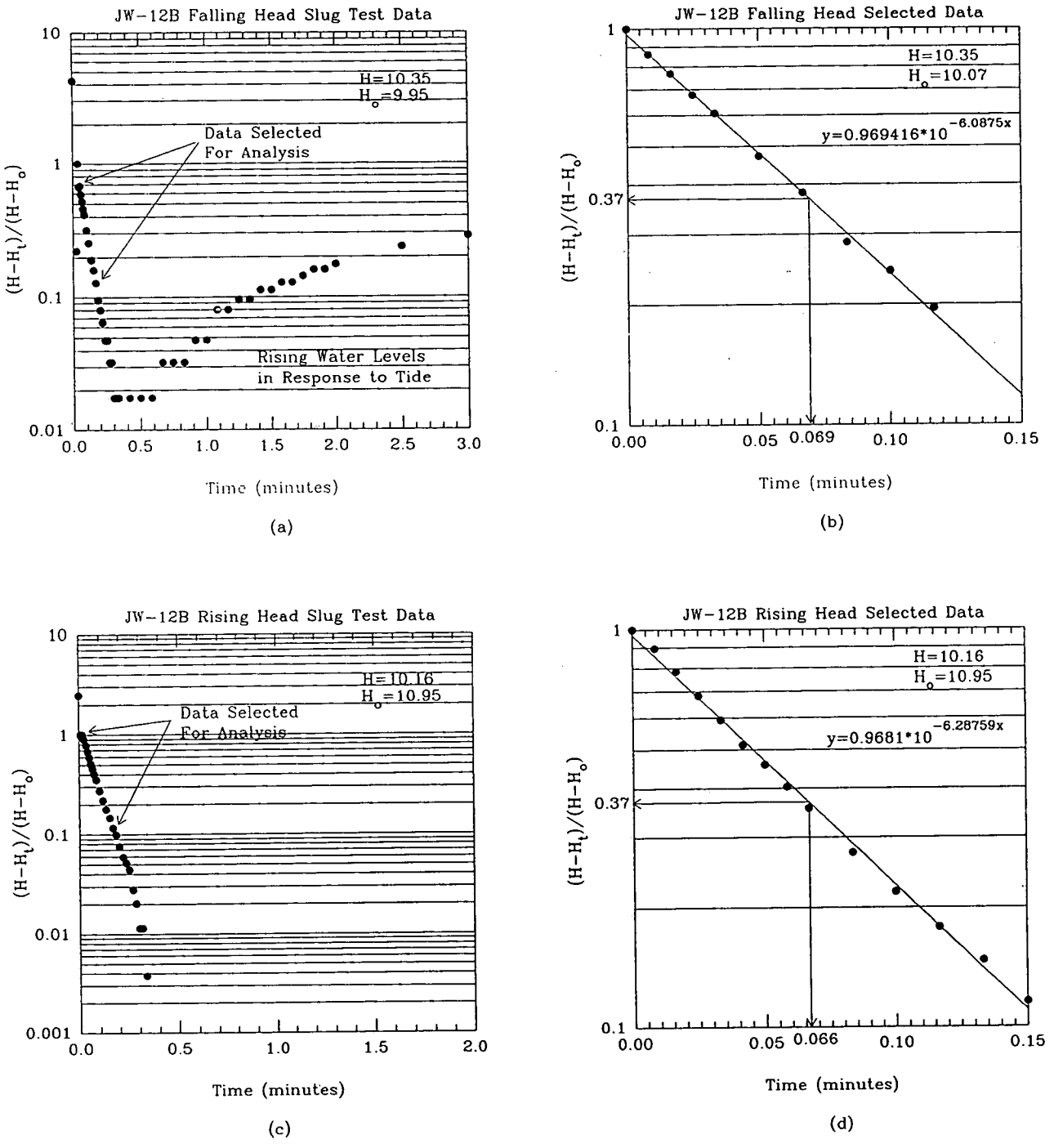
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



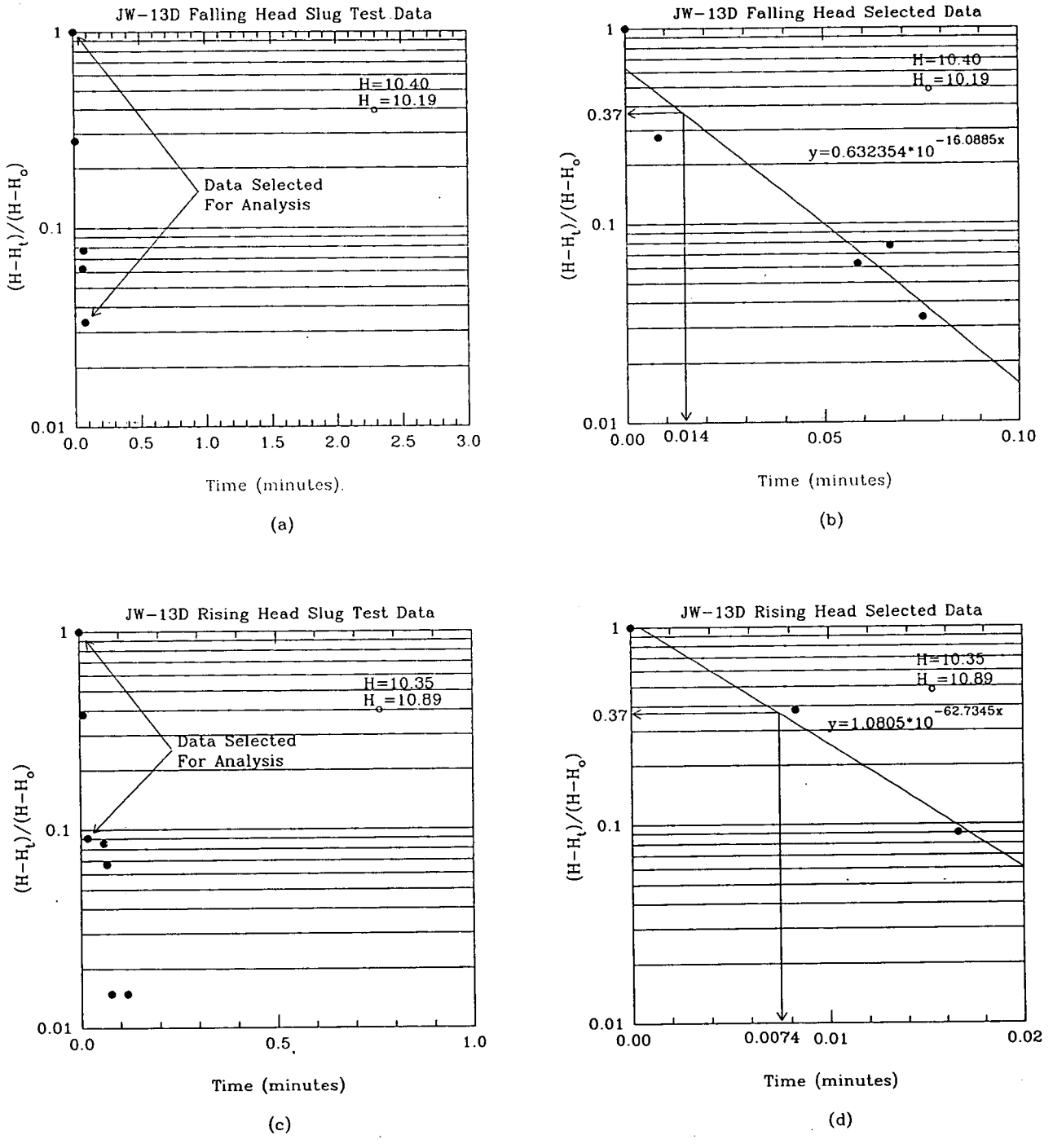
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



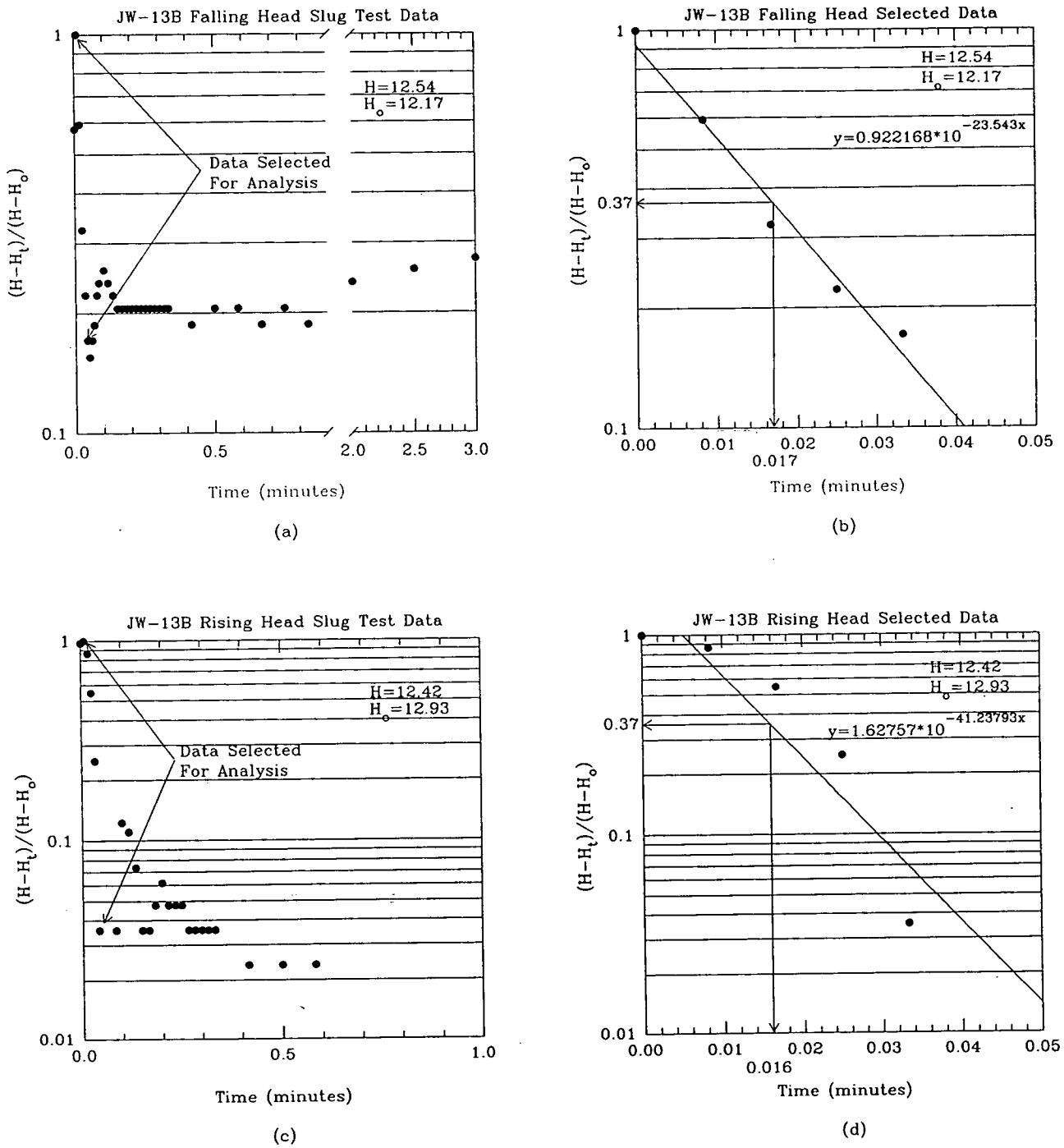
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



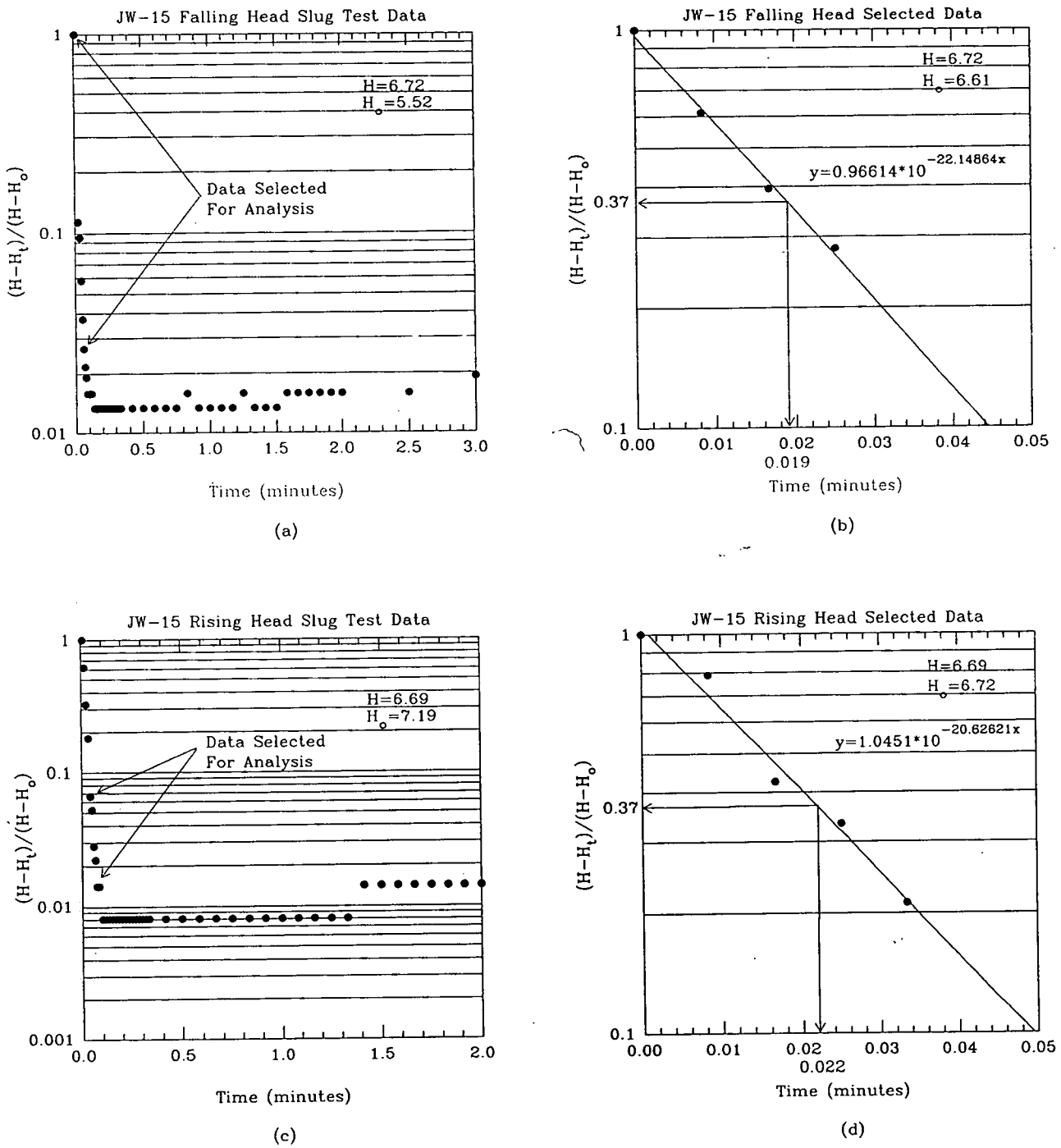
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



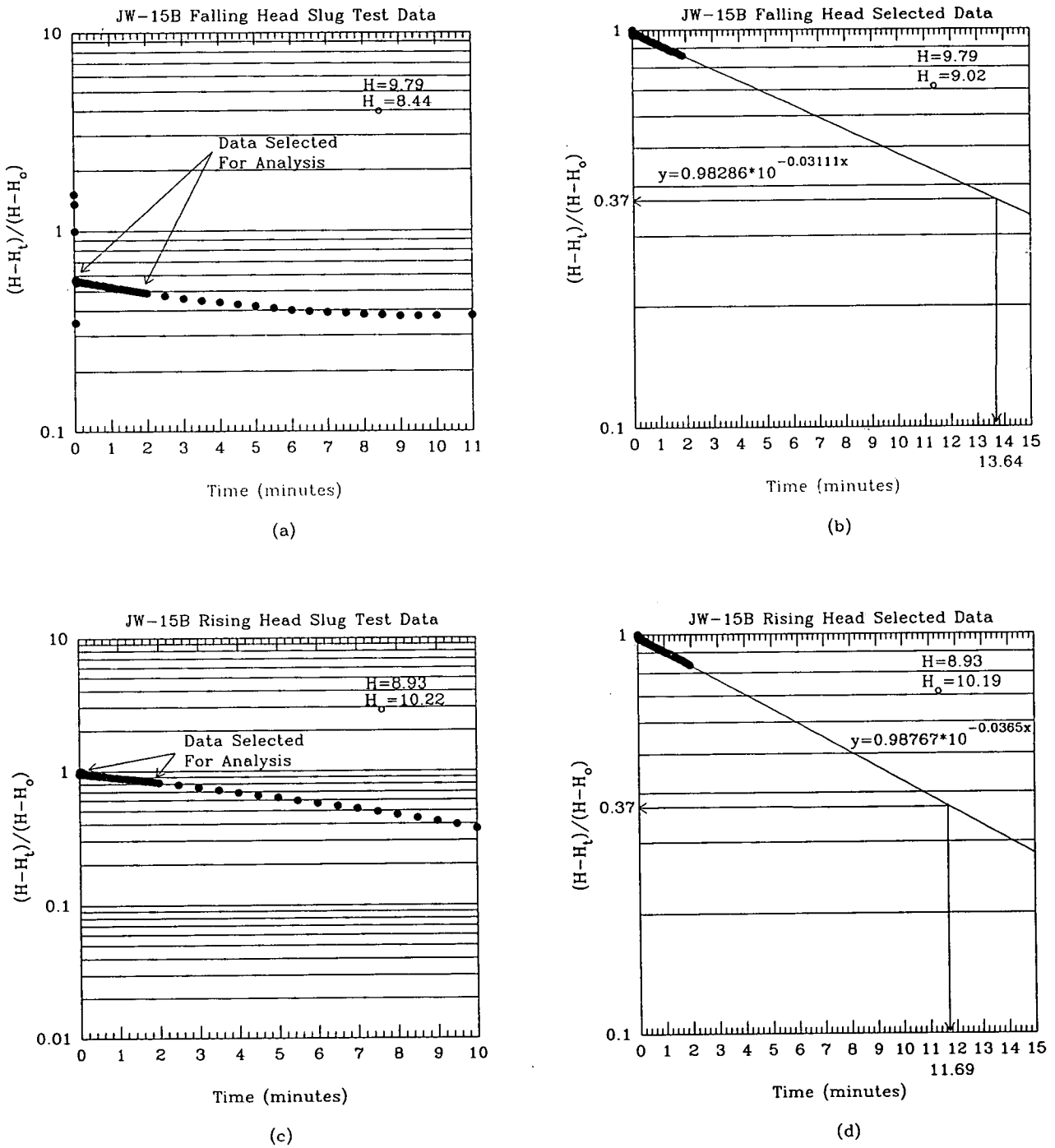
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



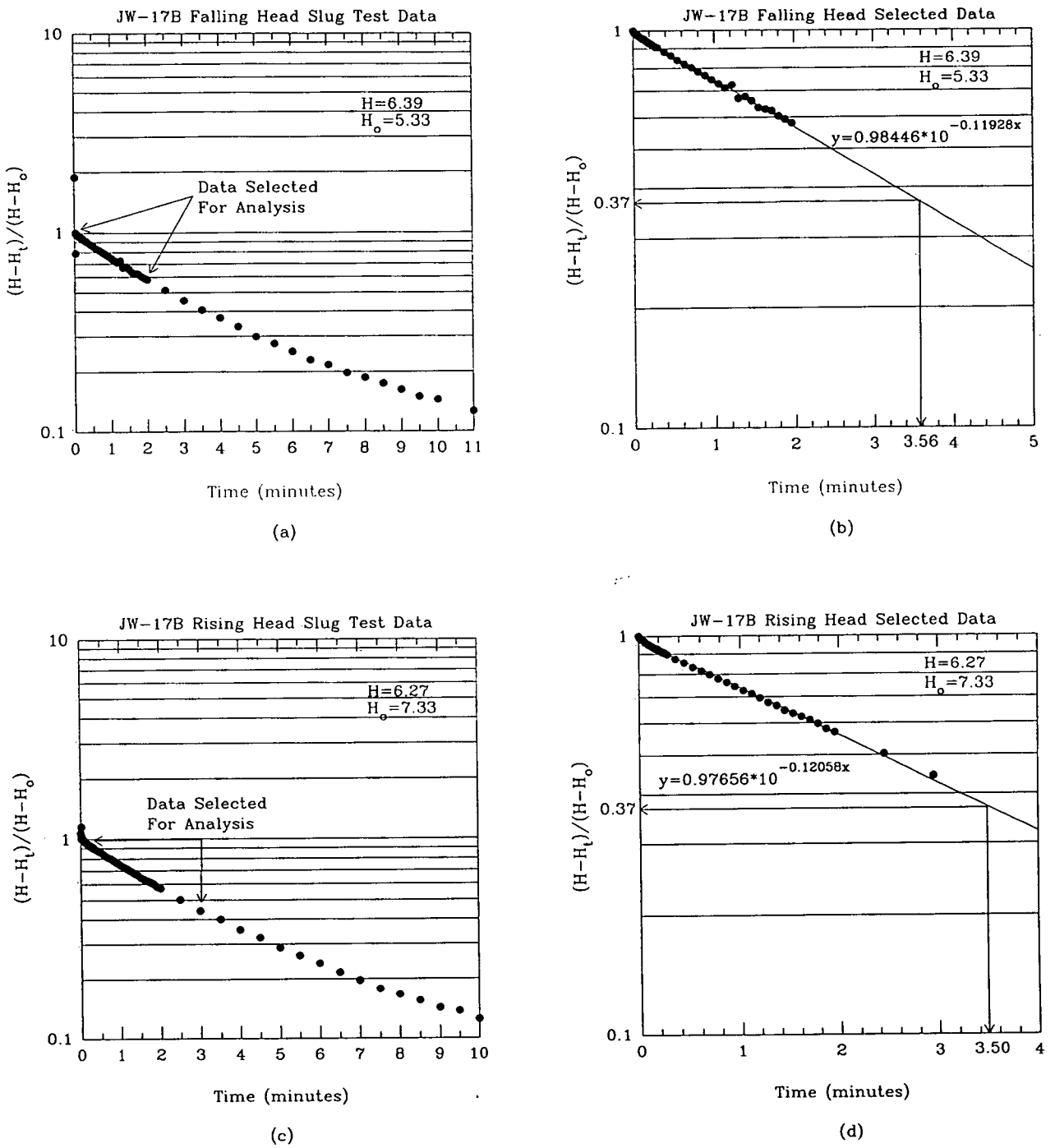
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



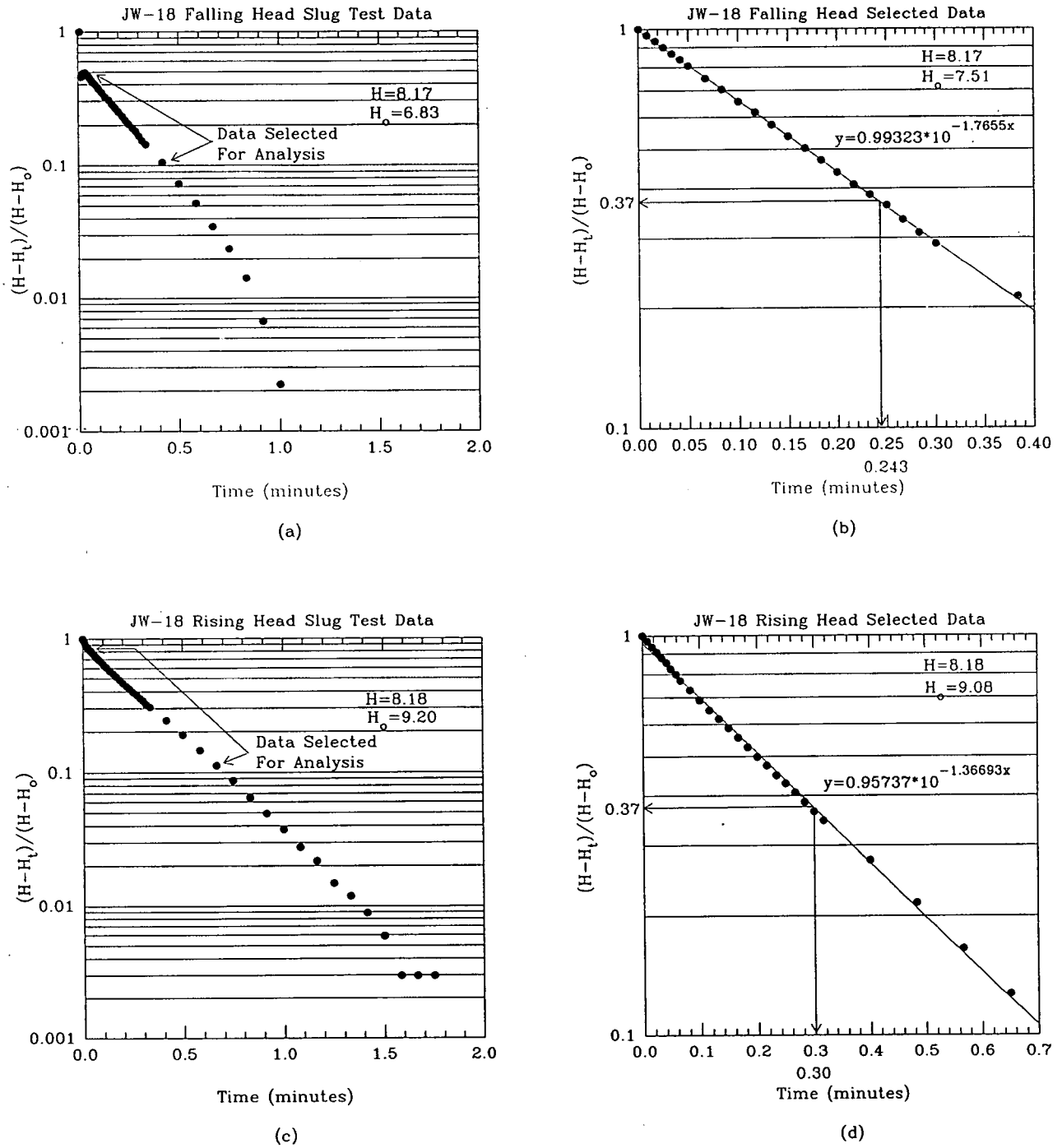
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



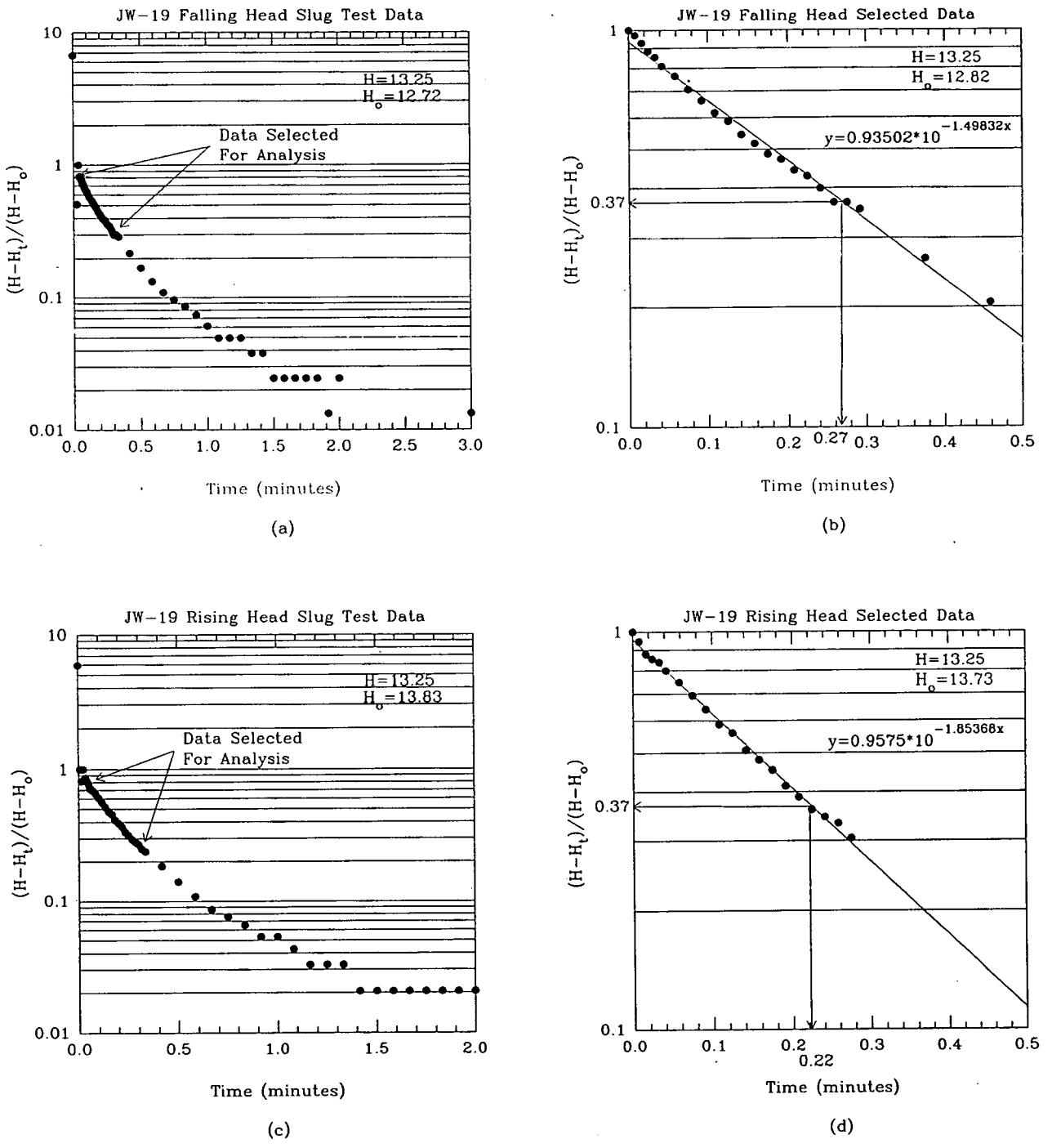
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



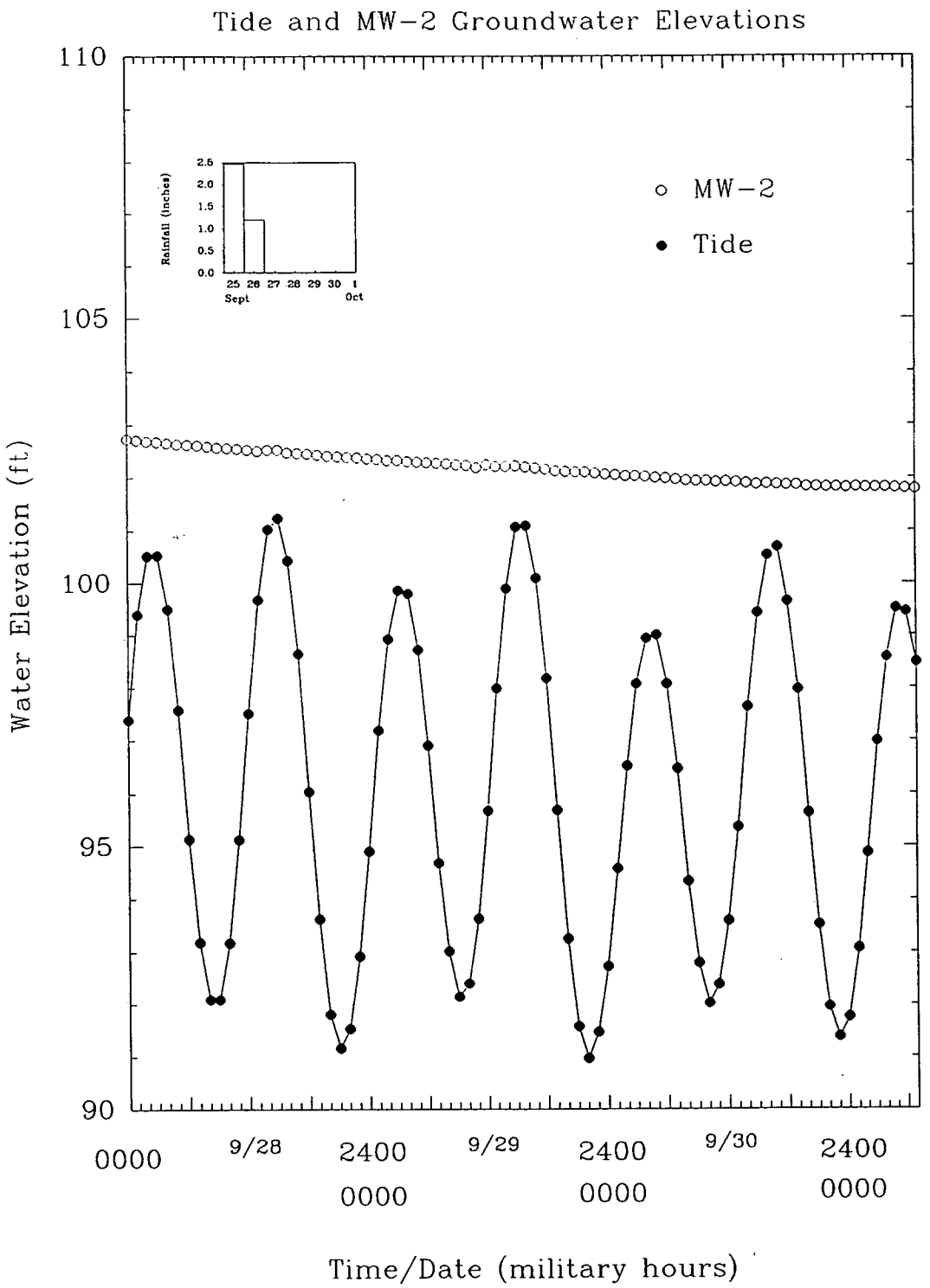
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.

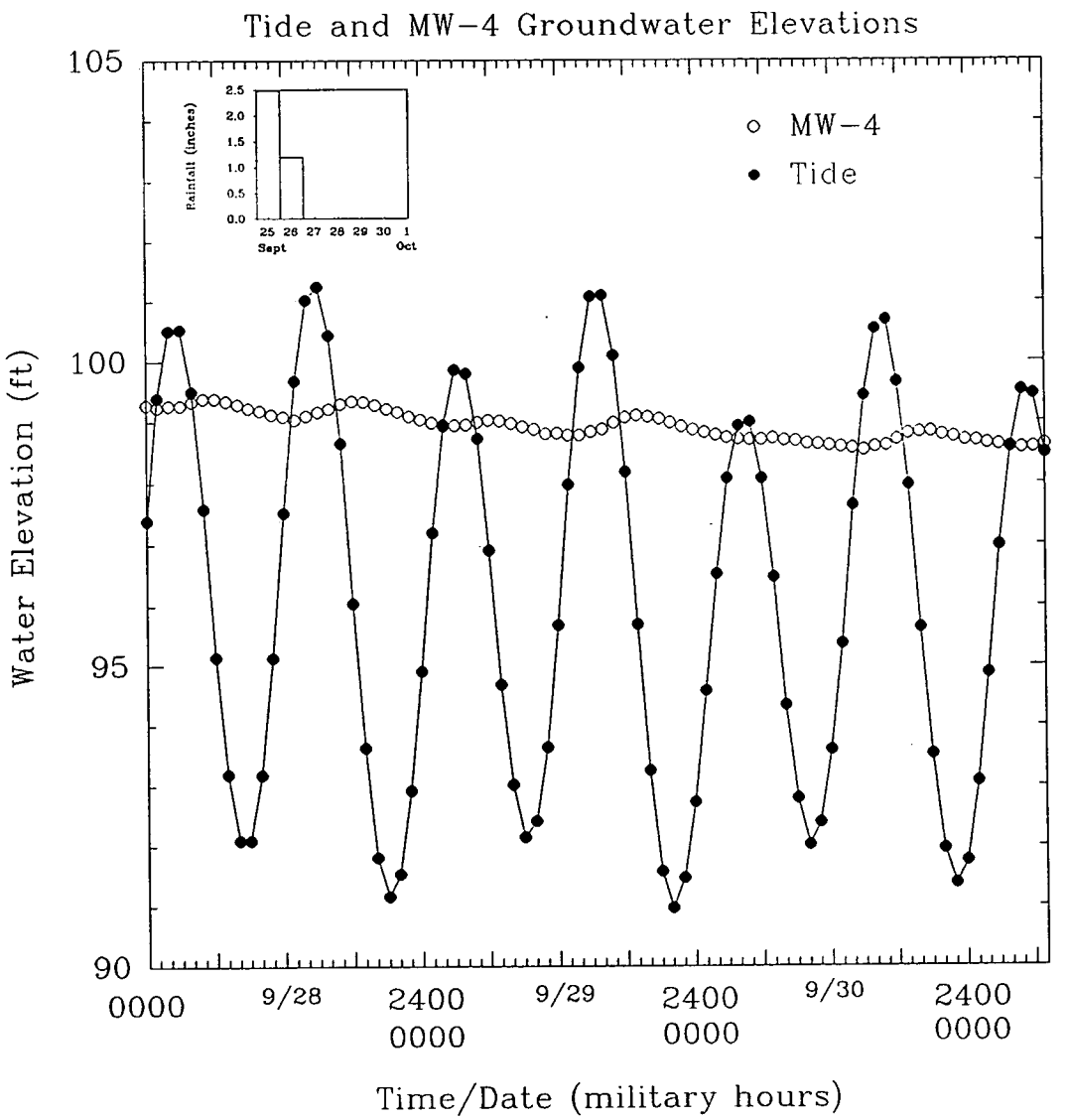


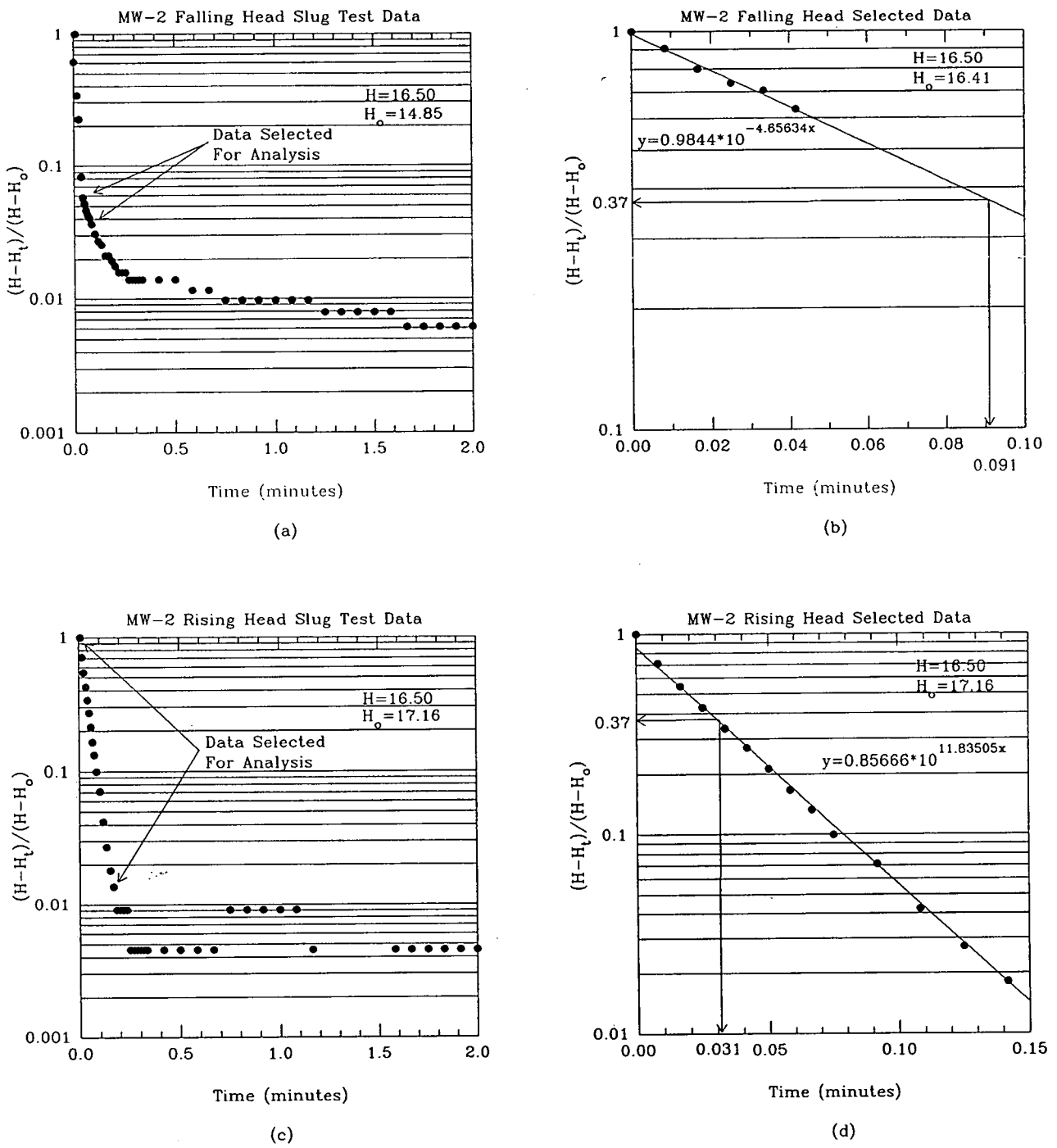
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



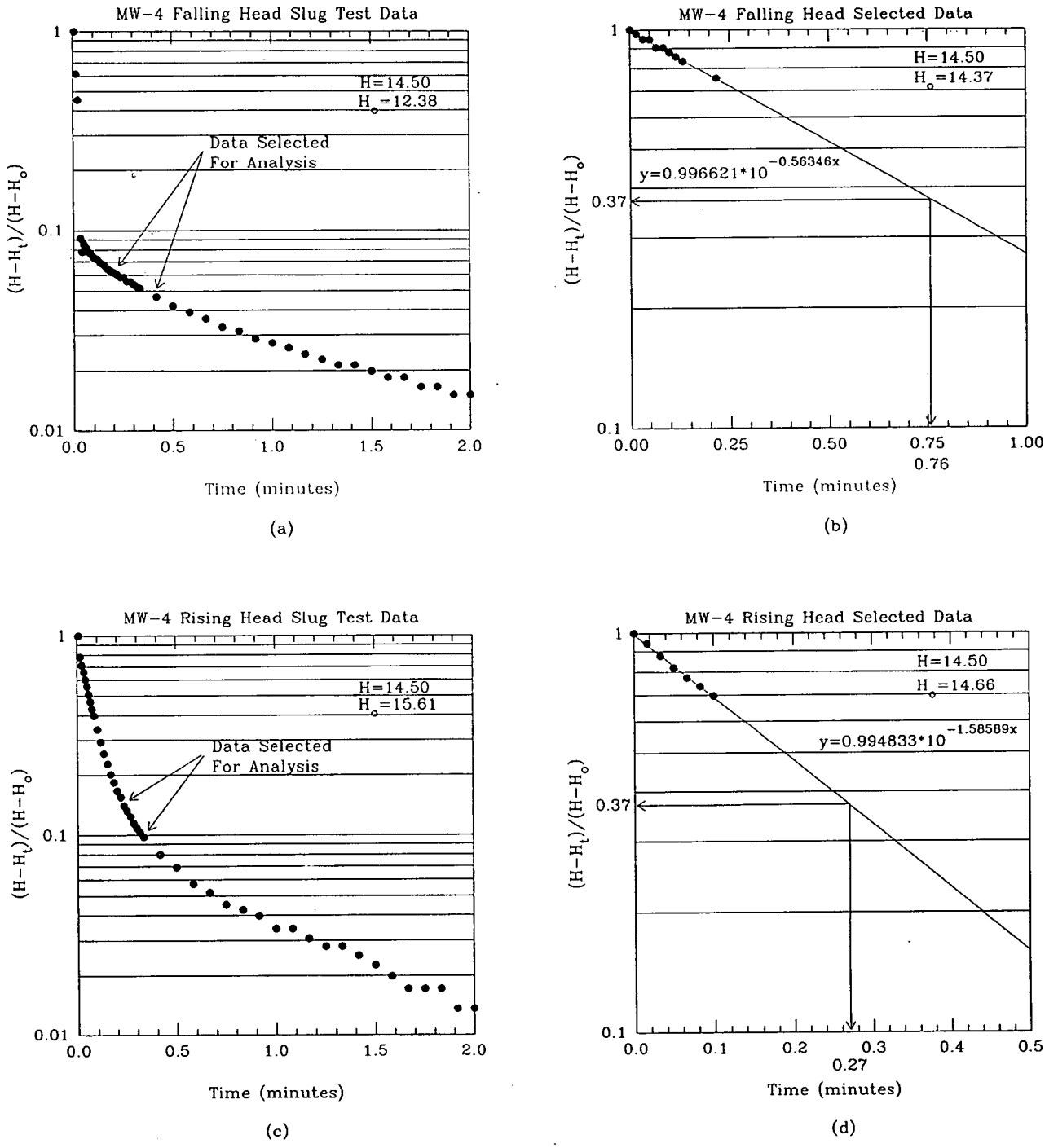
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.


Tide and MW-2 Groundwater Elevations
110
105
100
95
90
Water Elevation (ft)
MW-2
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)


Tide and MW-4 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
MW-4
Tide
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
25 26 27 28 29 30 1
Sept
Oct
0000
9/28
2400
0000
9/29
2400
0000
9/30
2400
0000
Time/Date (military hours)



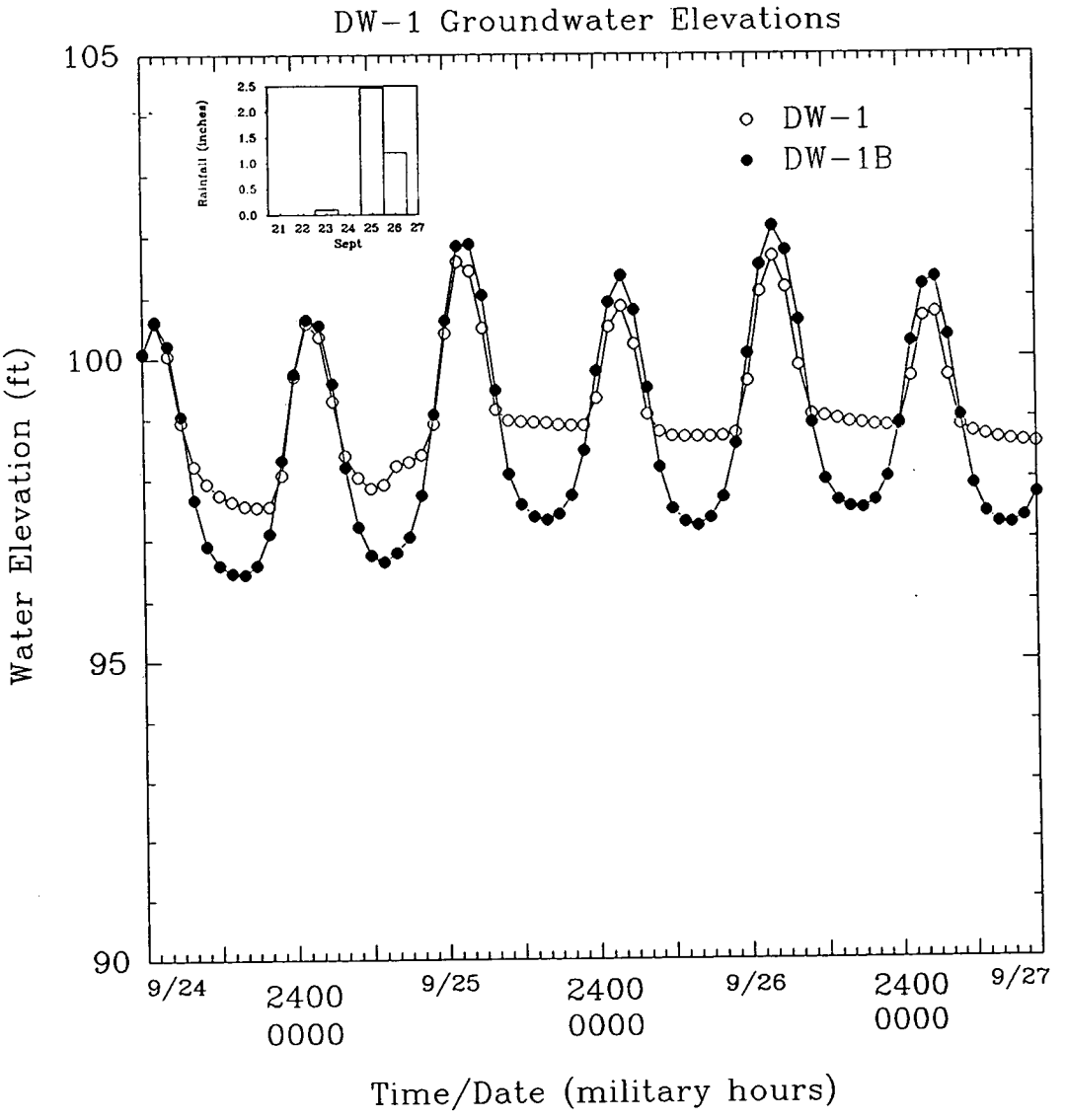
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.

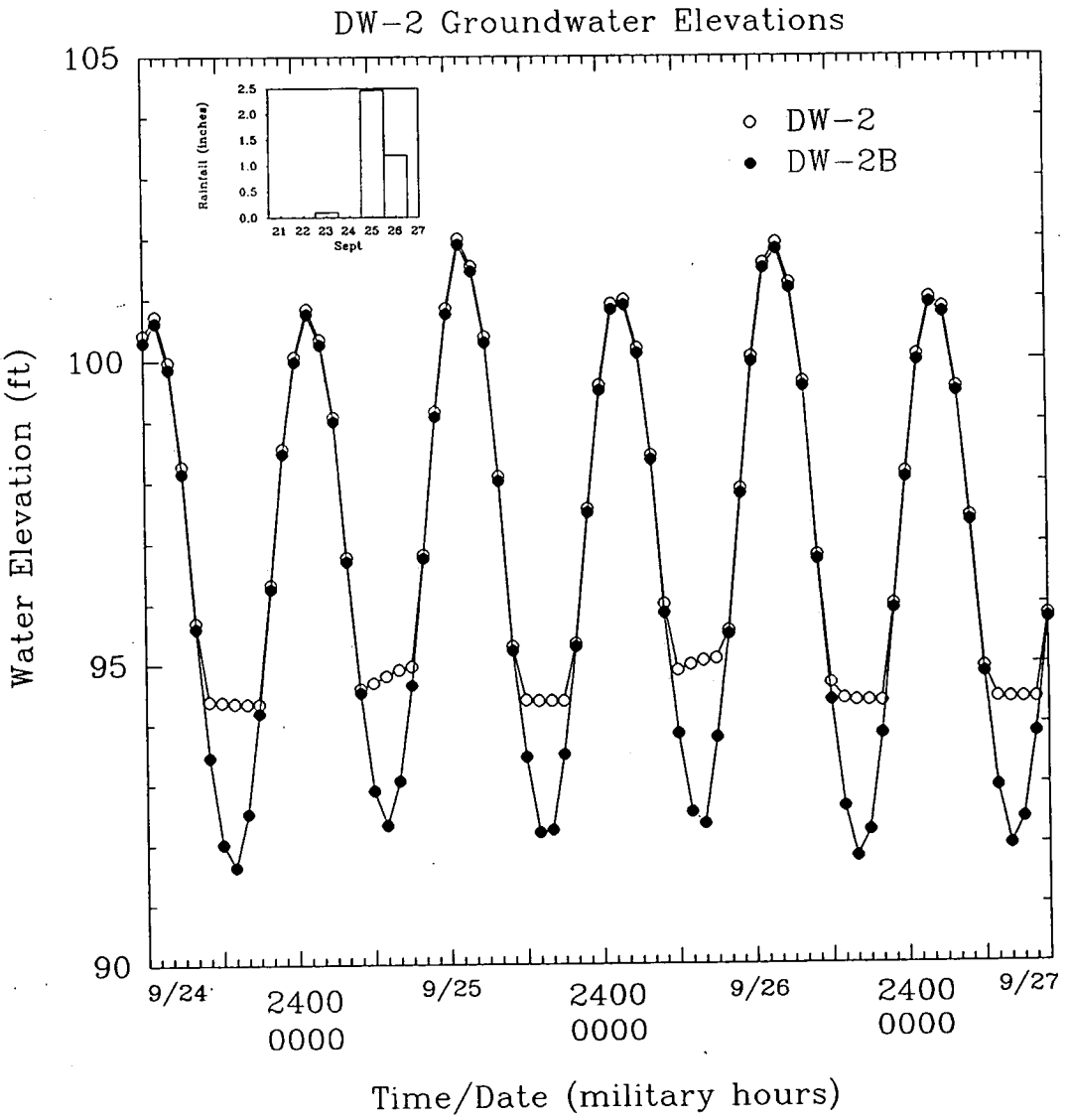


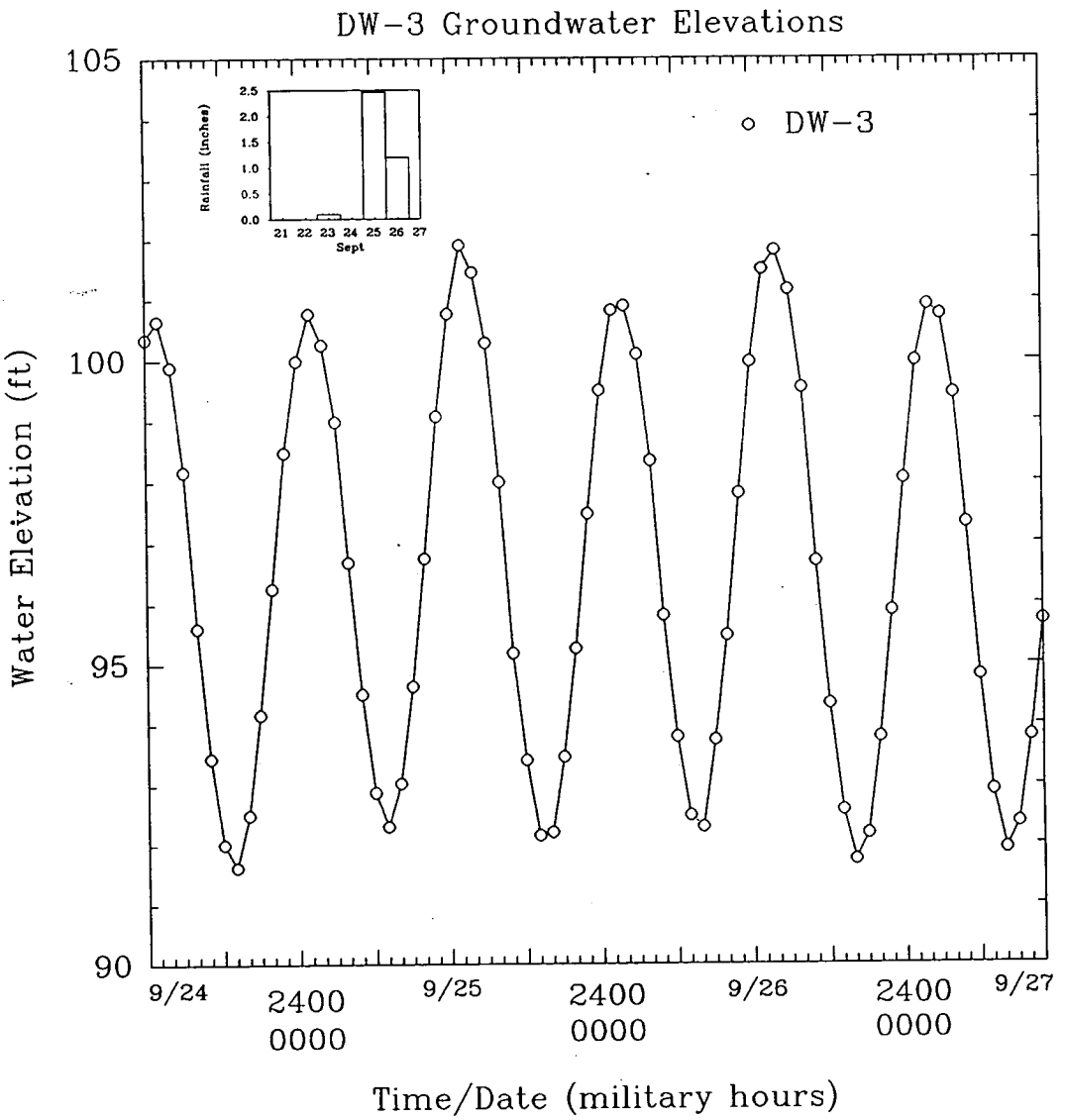
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.

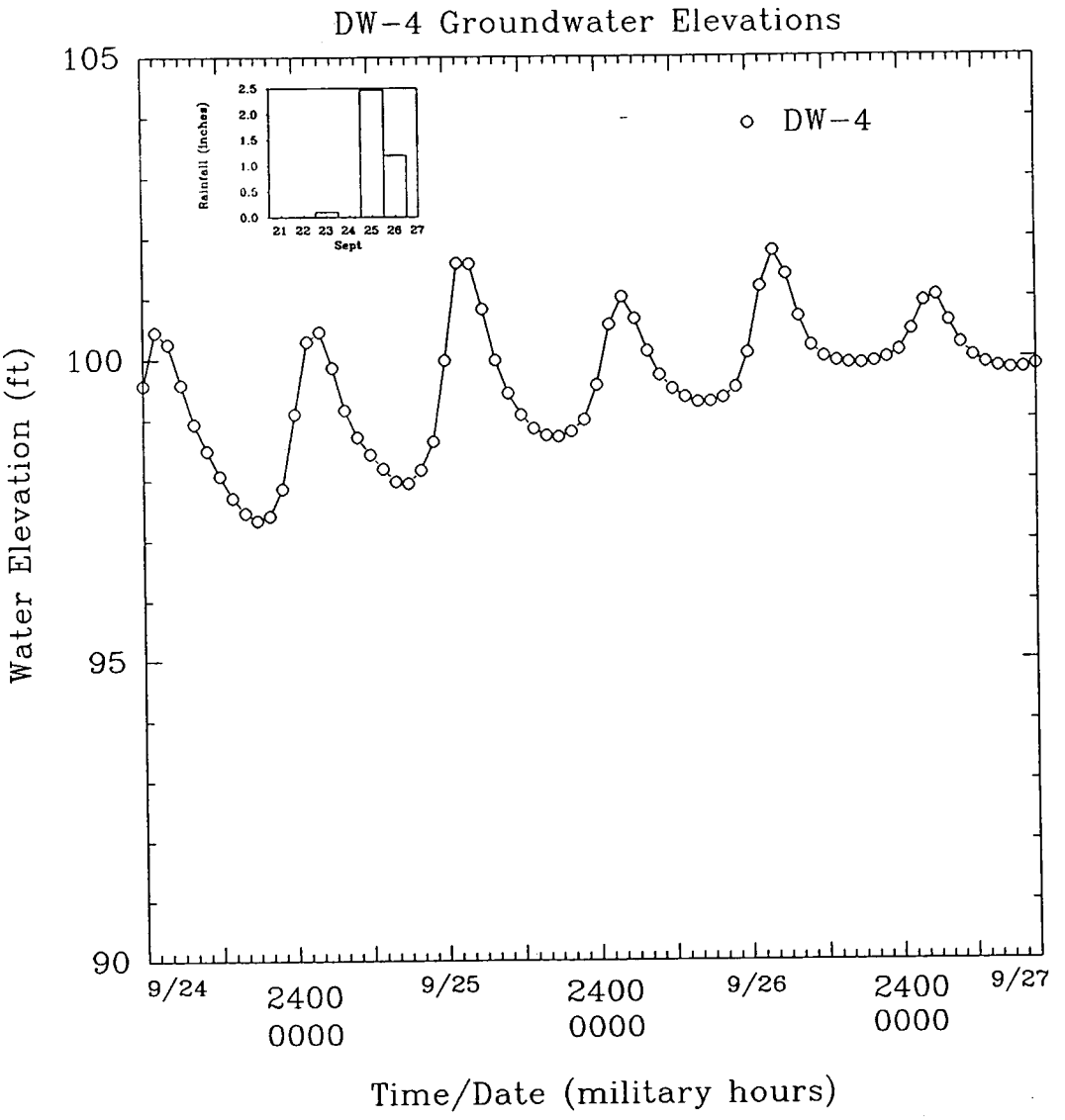
APPENDIX VIII

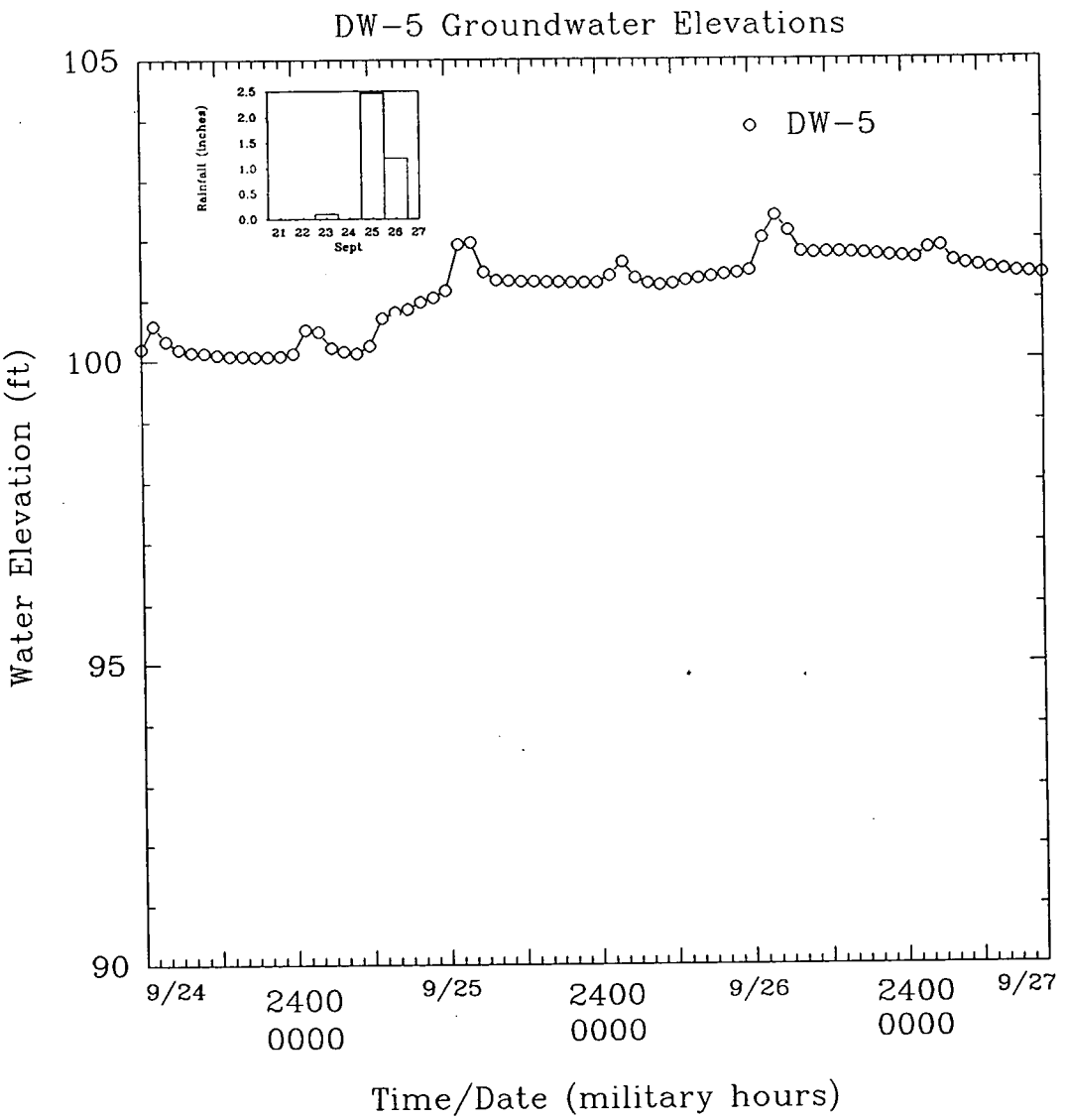
DRMO HYDROGRAPHS AND SLUG TEST WATER-LEVEL RECOVERY GRAPHS

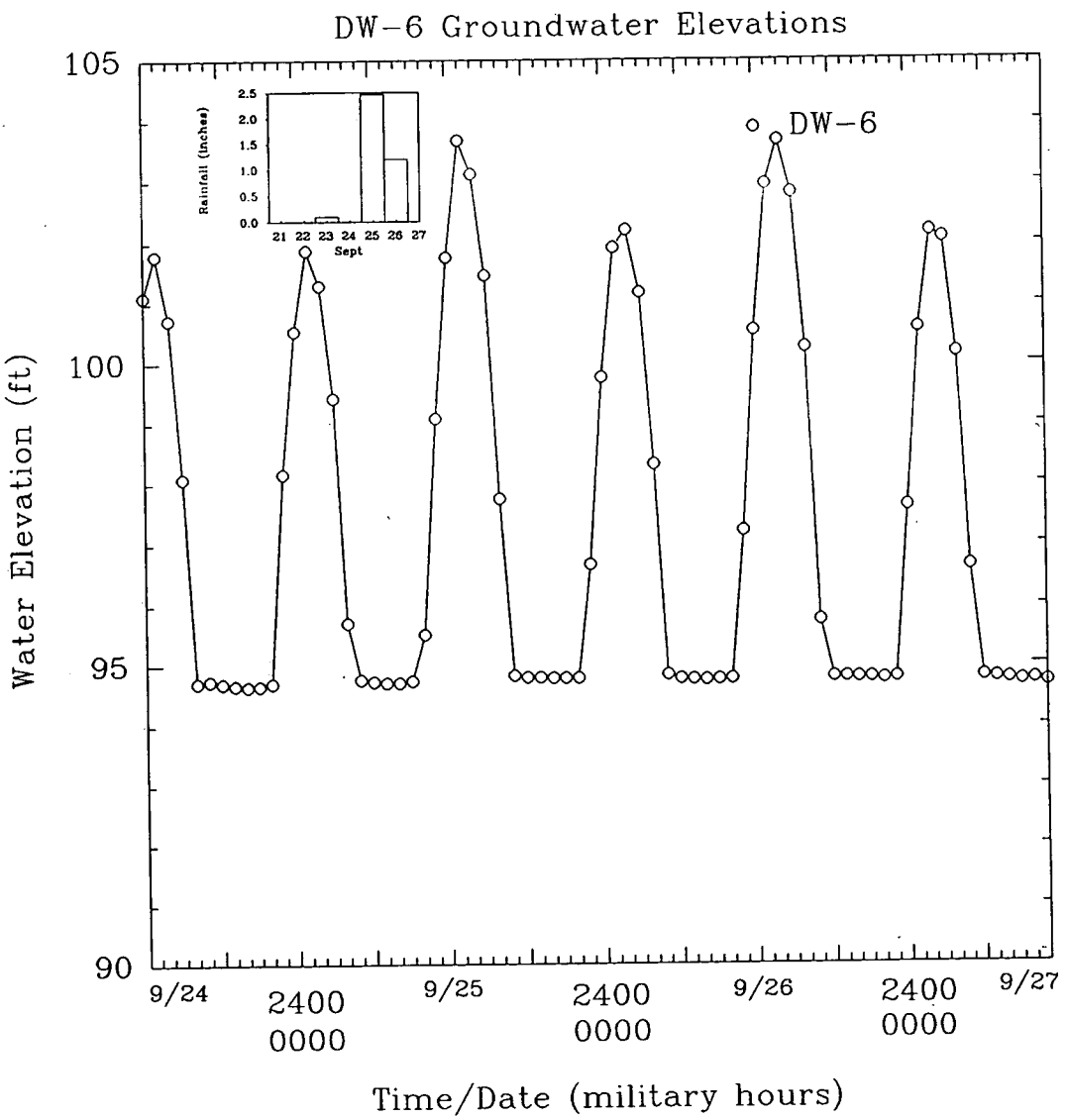

DW-1 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
DW-1
DW-1B
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
21 22 23 24 25 26 27
Sept
9/24
2400
0000
9/25
2400
0000
9/26
2400
0000
9/27
Time/Date (military hours)

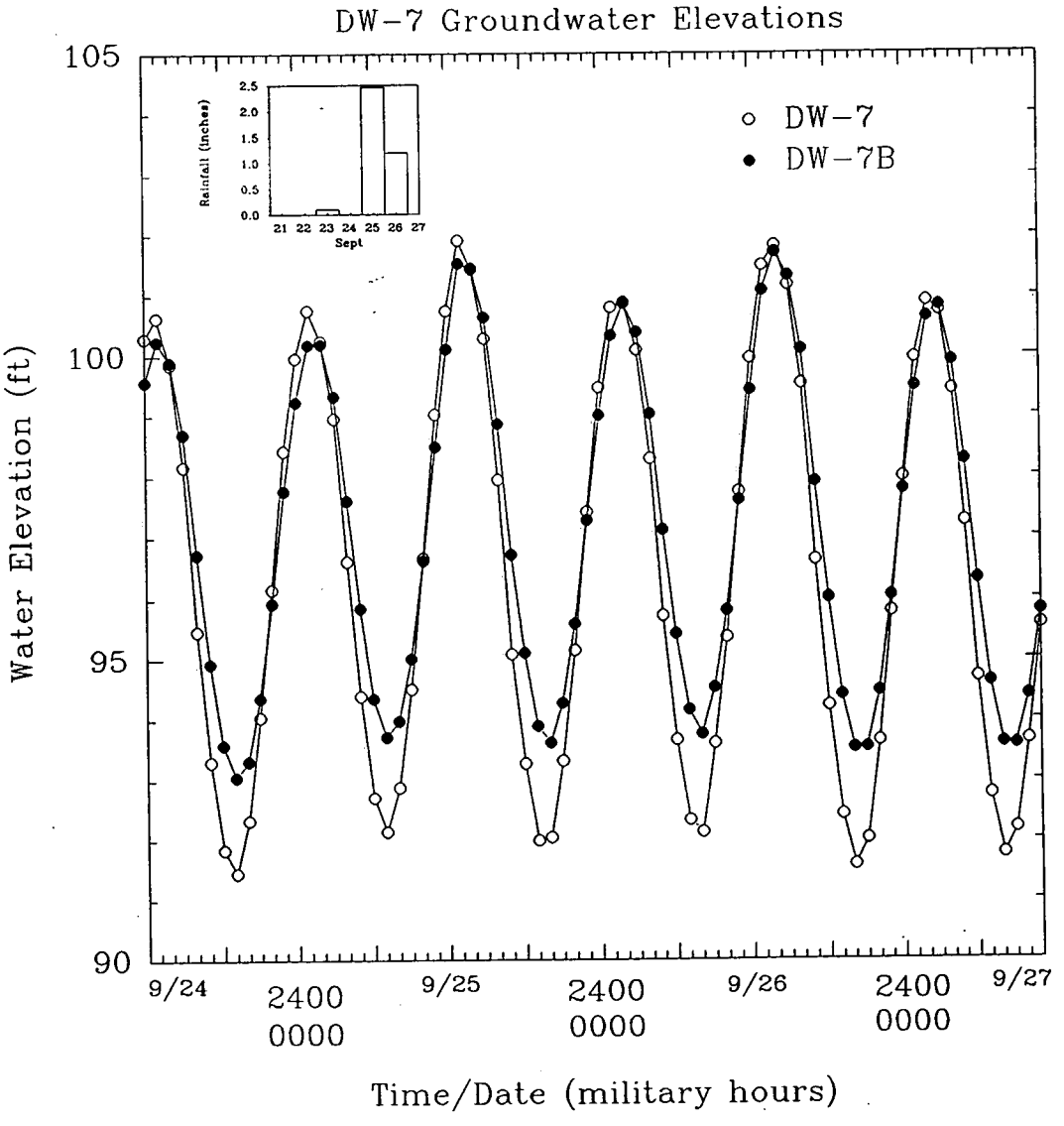

DW-2 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
DW-2
DW-2B
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
21 22 23 24 25 26 27
Sept
9/24
2400
0000
9/25
2400
0000
9/26
2400
0000
9/27
Time/Date (military hours)

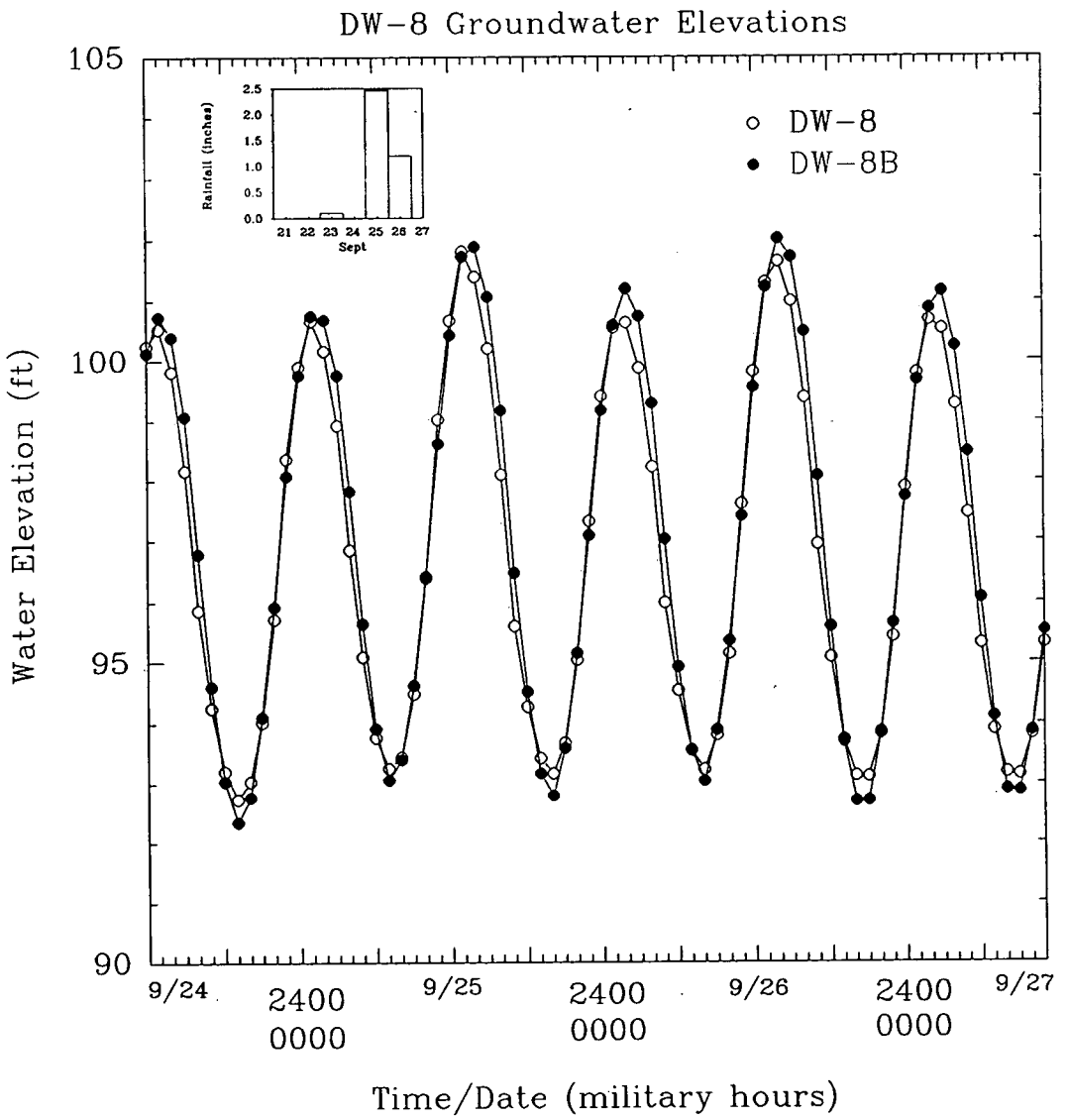

DW-3 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
DW-3
Rainfall (Inches)
2.5
2.0
1.5
1.0
0.5
0.0
21 22 23 24 25 26 27
Sept
9/24
2400
0000
9/25
2400
0000
9/26
2400
0000
9/27
Time/Date (military hours)

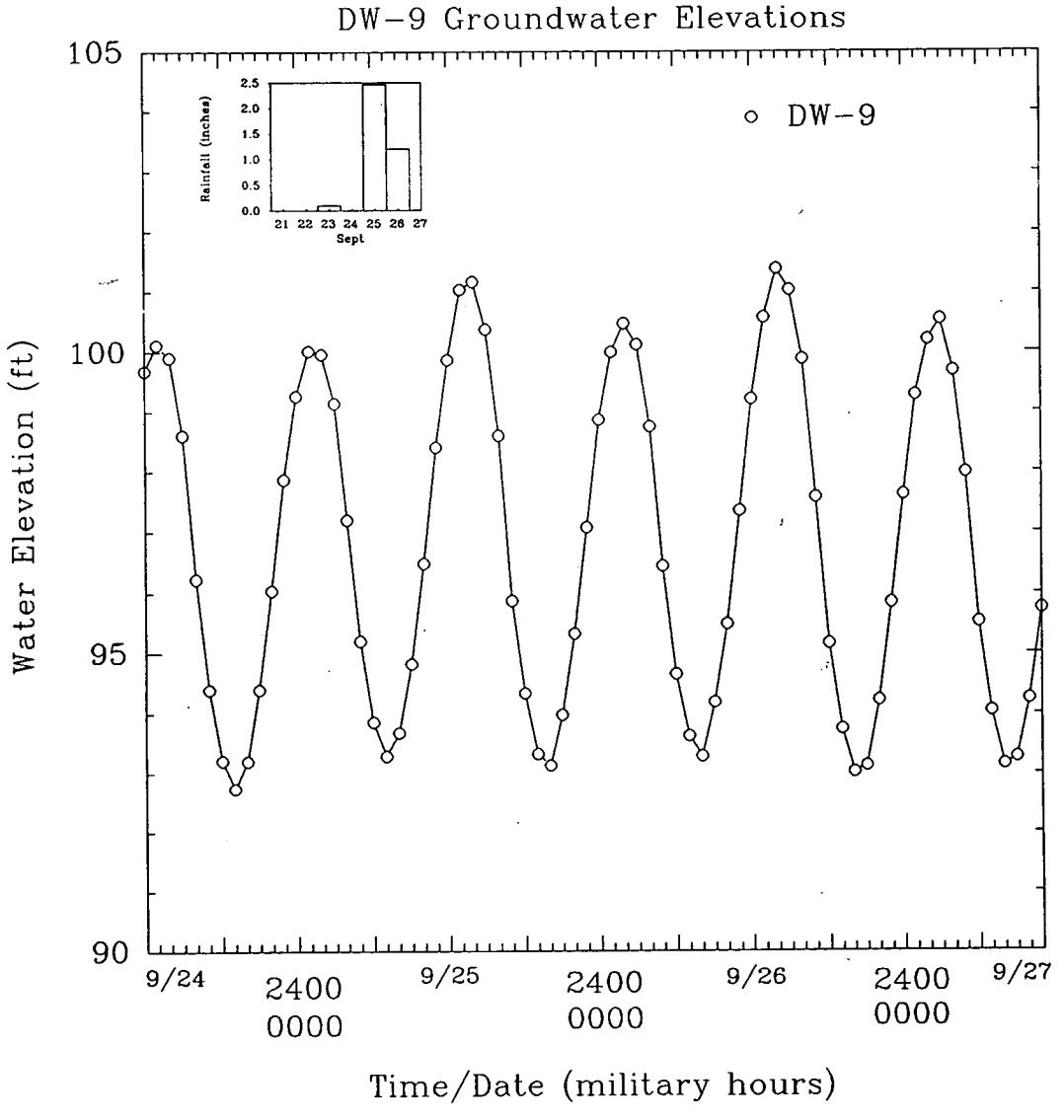

DW-4 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
DW-4
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
21 22 23 24 25 26 27
Sept
9/24
2400
0000
9/25
2400
0000
9/26
2400
0000
9/27
Time/Date (military hours)

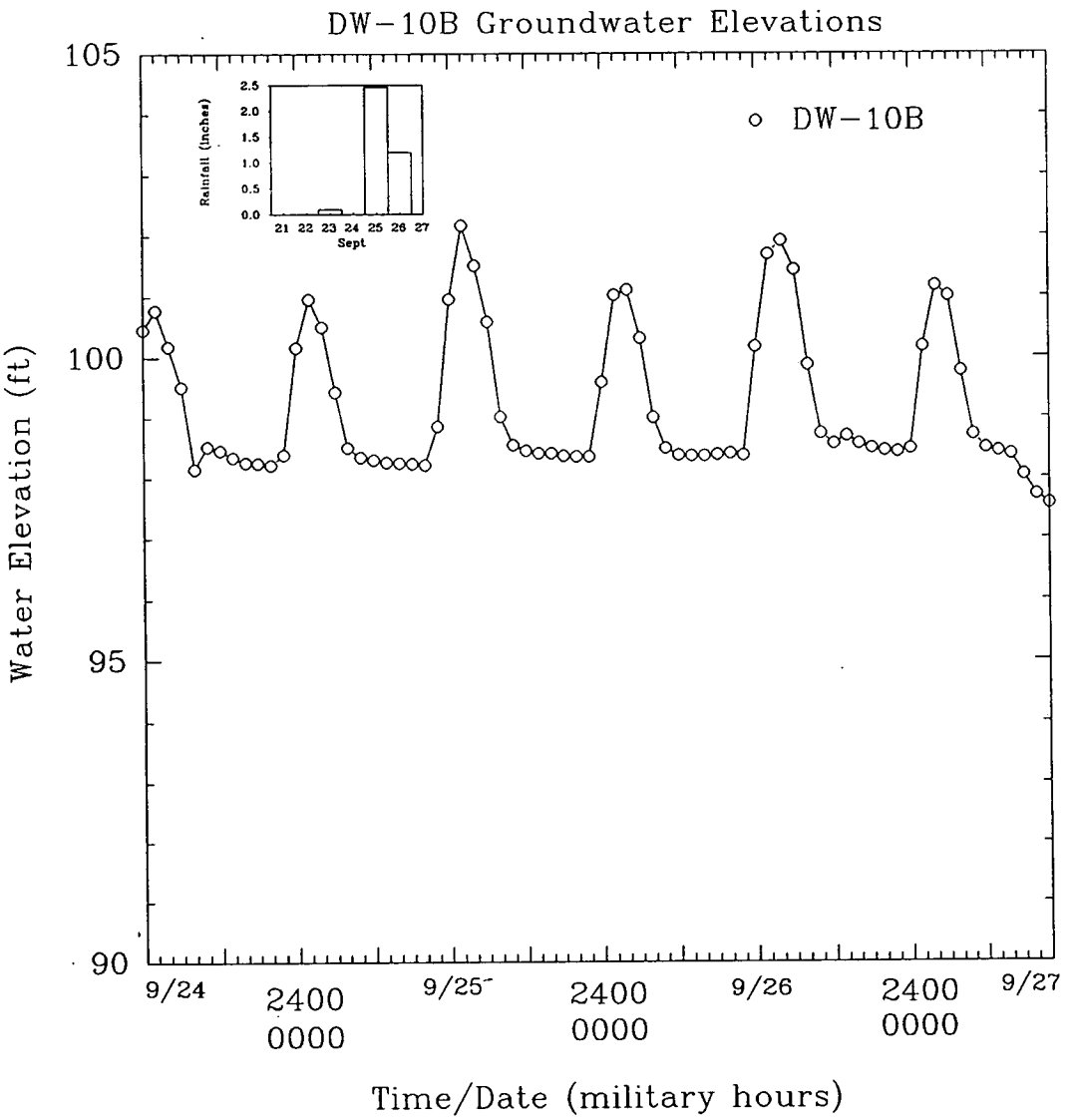

DW-5 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
DW-5
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
21 22 23 24 25 26 27
Sept
9/24
2400
0000
9/25
2400
0000
9/26
2400
0000
9/27
Time/Date (military hours)

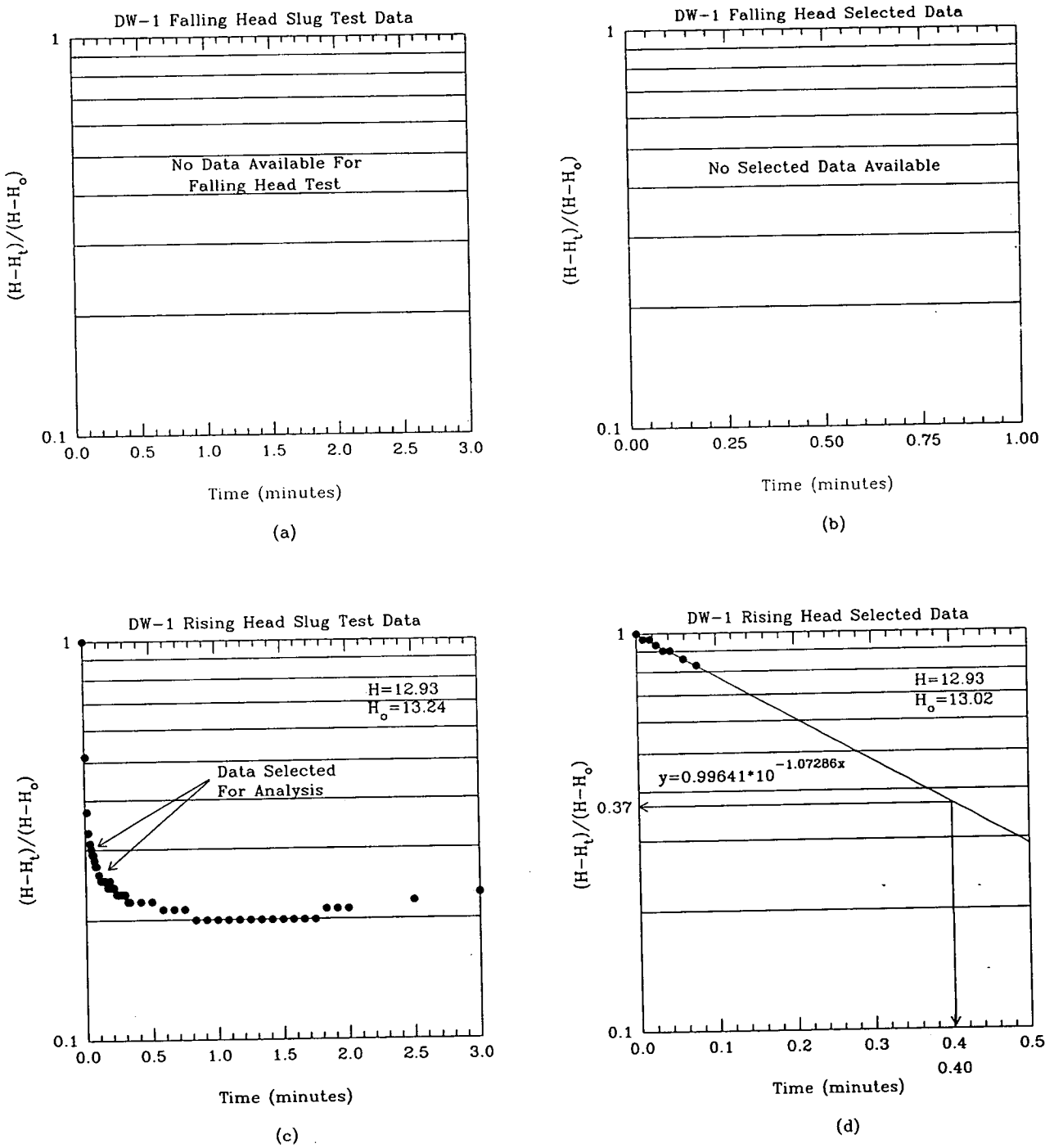

DW-6 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
DW-6
Rainfall (Inches)
2.5
2.0
1.5
1.0
0.5
0.0
21 22 23 24 25 26 27
Sept
9/24
2400
0000
9/25
2400
0000
9/26
2400
0000
9/27
Time/Date (military hours)


DW-7 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
9/24
2400
0000
9/25
2400
0000
9/26
2400
0000
9/27
Time/Date (military hours)
DW-7
DW-7B
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
21 22 23 24 25 26 27
Sept

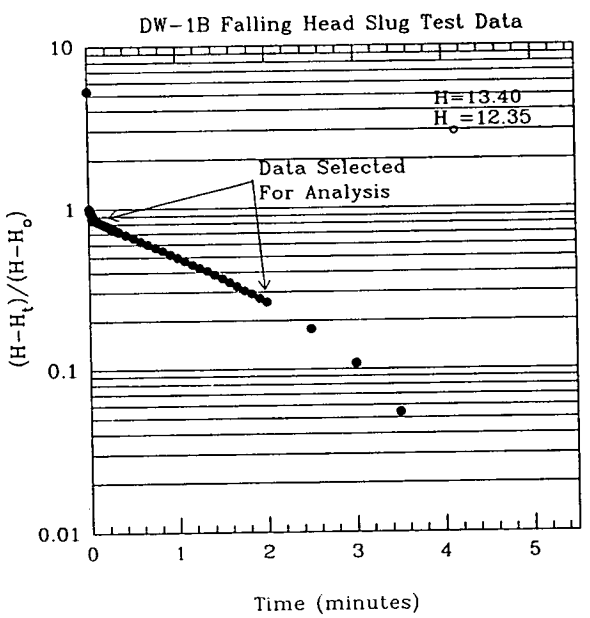

DW-8 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
DW-8
DW-8B
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
21 22 23 24 25 26 27
Sept
9/24
2400
0000
9/25
2400
0000
9/26
2400
0000
9/27
Time/Date (military hours)


DW-9 Groundwater Elevations
105
100
95
90
Water Elevation (ft)
DW-9
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
21 22 23 24 25 26 27
Sept
9/24
2400
0000
9/25
2400
0000
9/26
2400
0000
9/27
Time/Date (military hours)

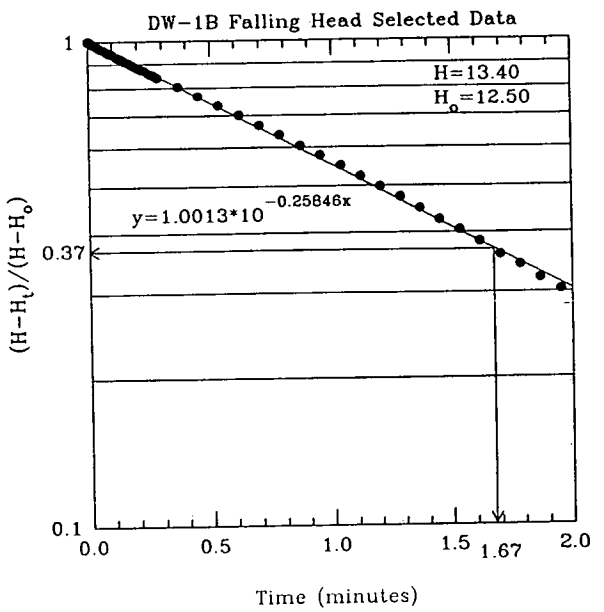

DW-10B Groundwater Elevations
105
100
95
90
Water Elevation (ft)
DW-10B
Rainfall (inches)
2.5
2.0
1.5
1.0
0.5
0.0
21 22 23 24 25 26 27
Sept
9/24
2400
0000
9/25
2400
0000
9/26
2400
0000
9/27
Time/Date (military hours)



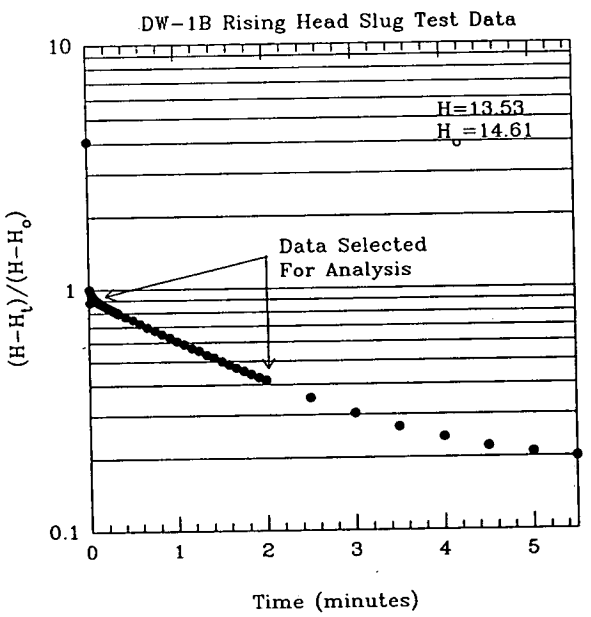
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



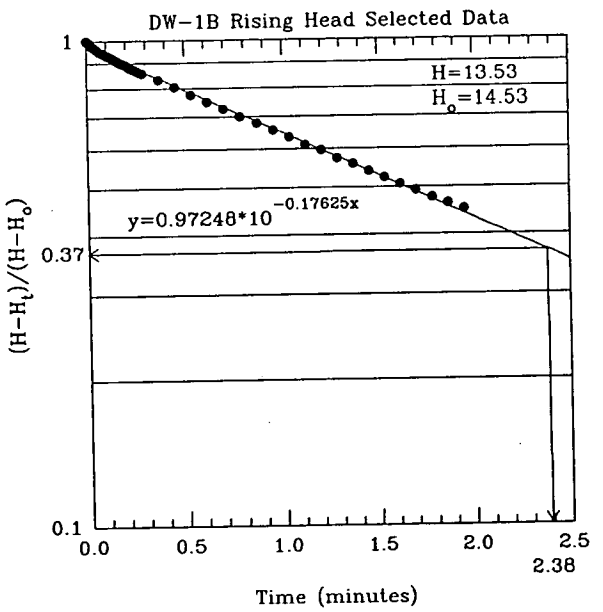
(a)



(b)

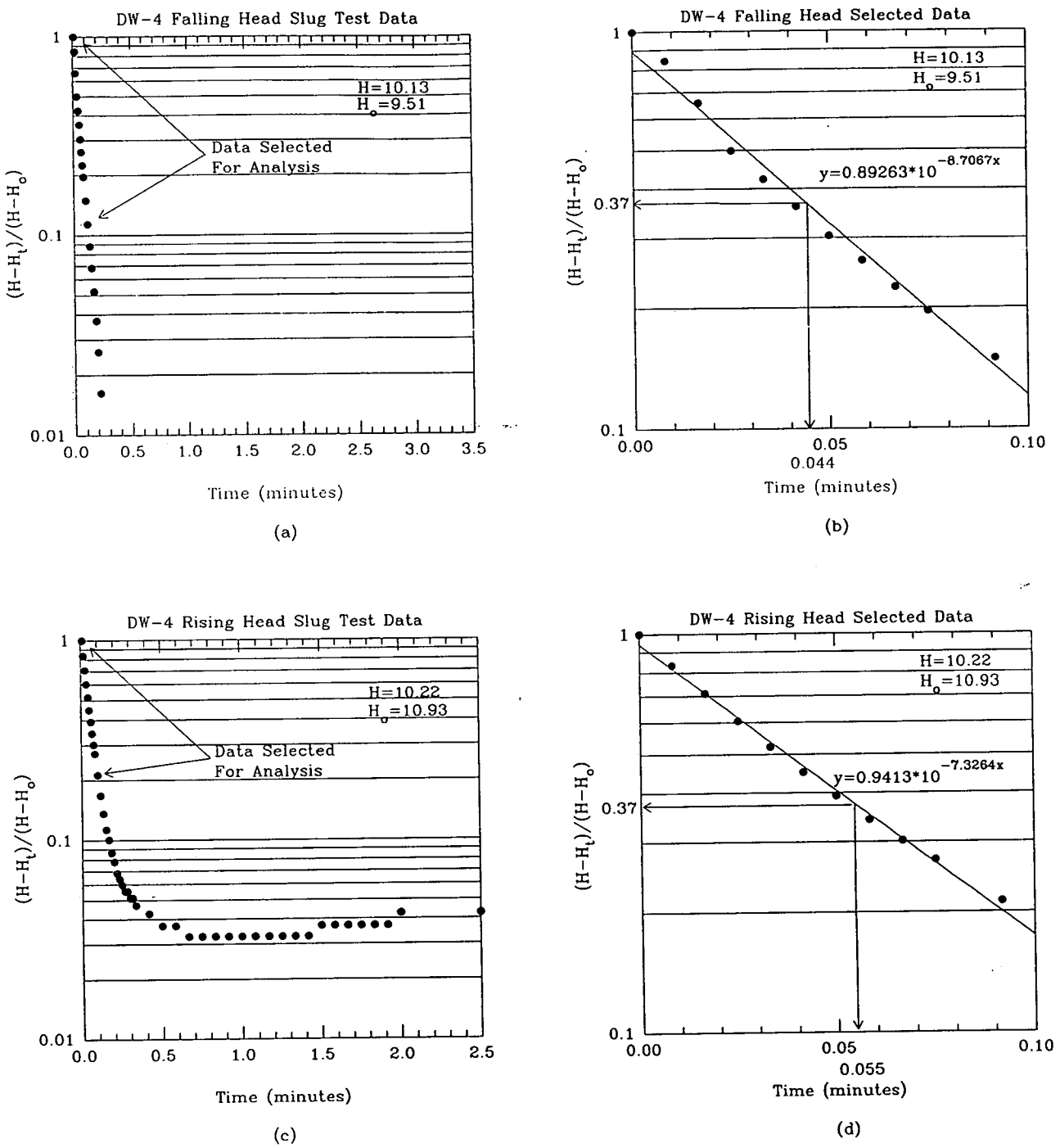


(c)

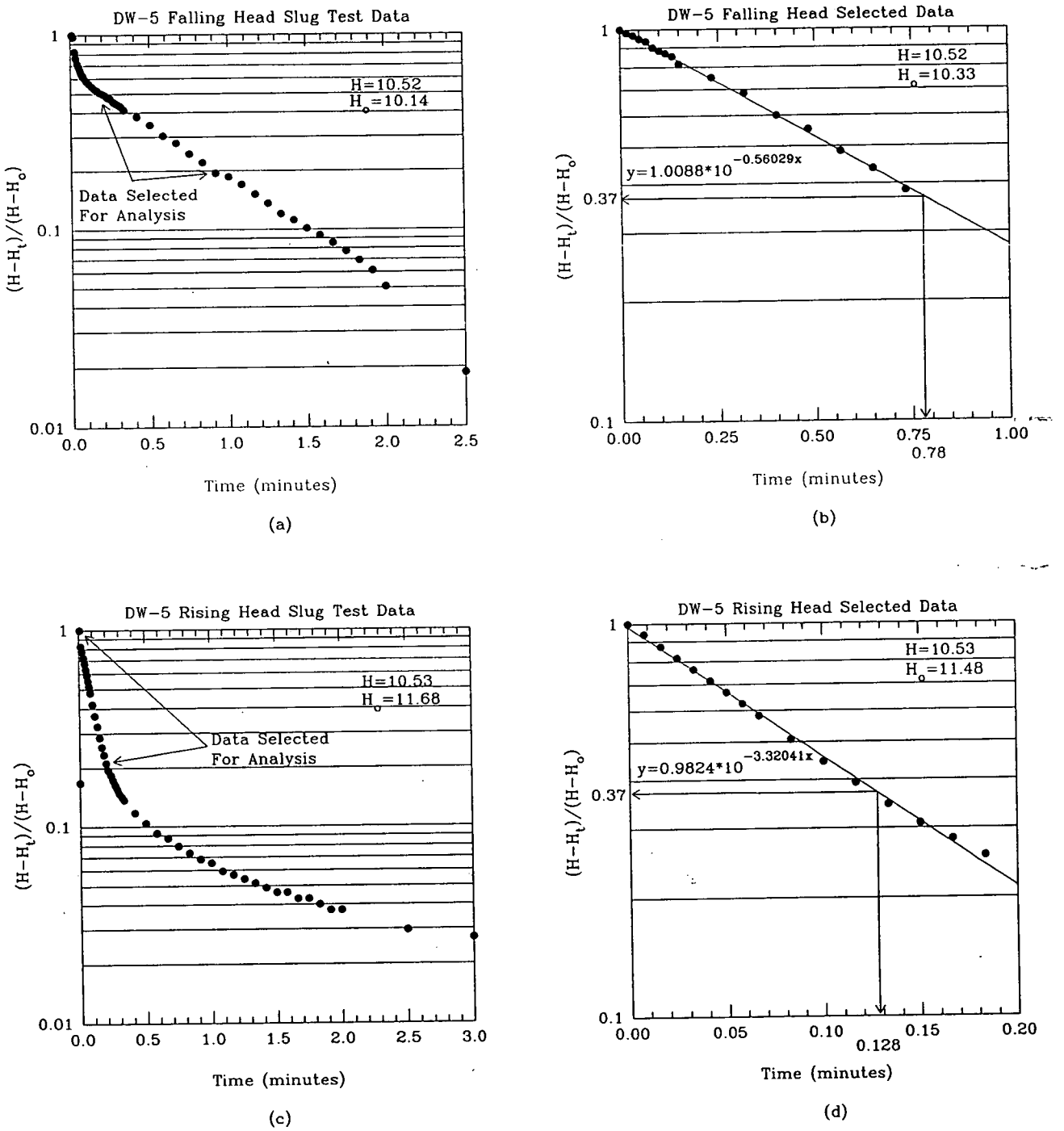


(d)

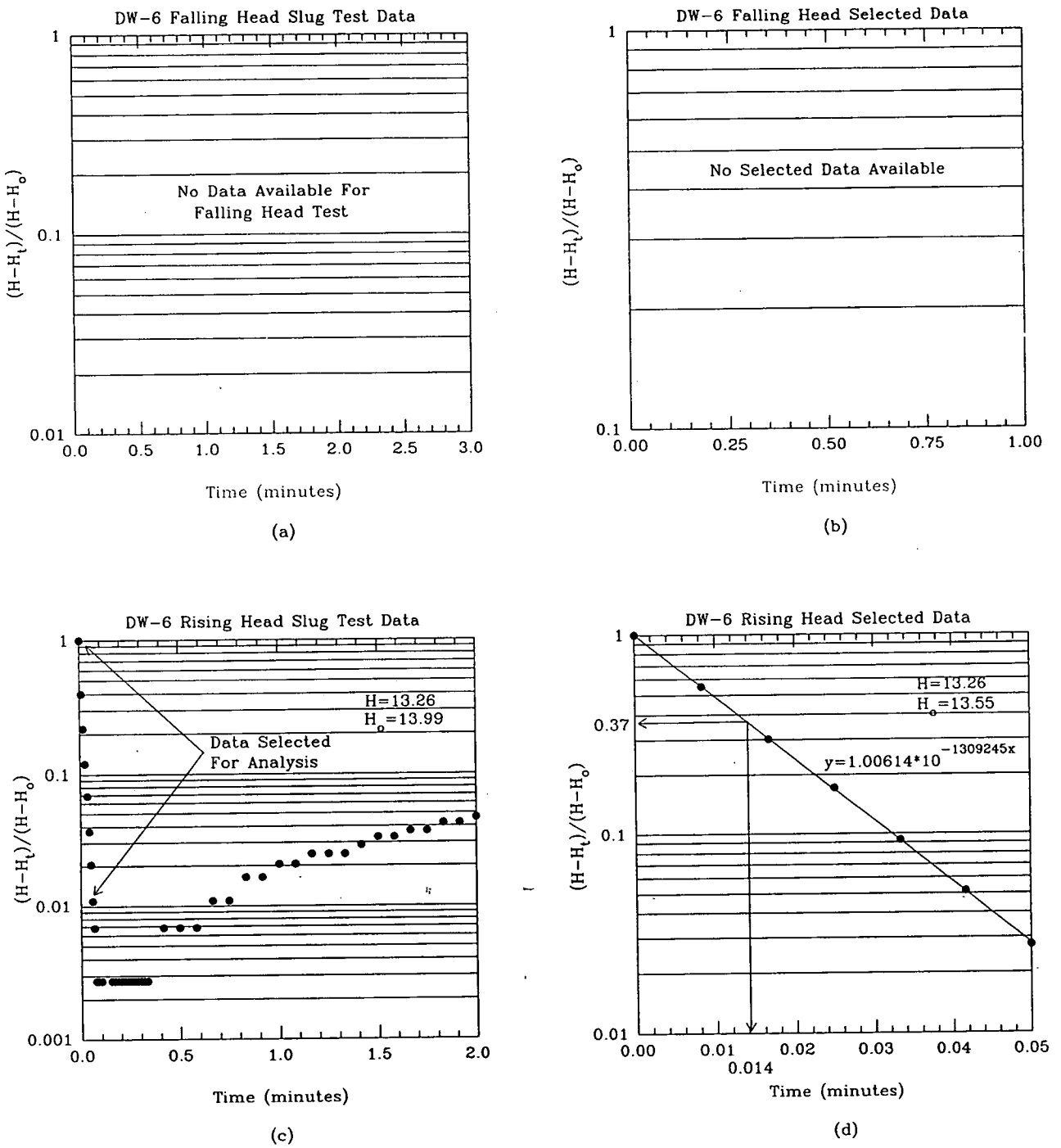
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



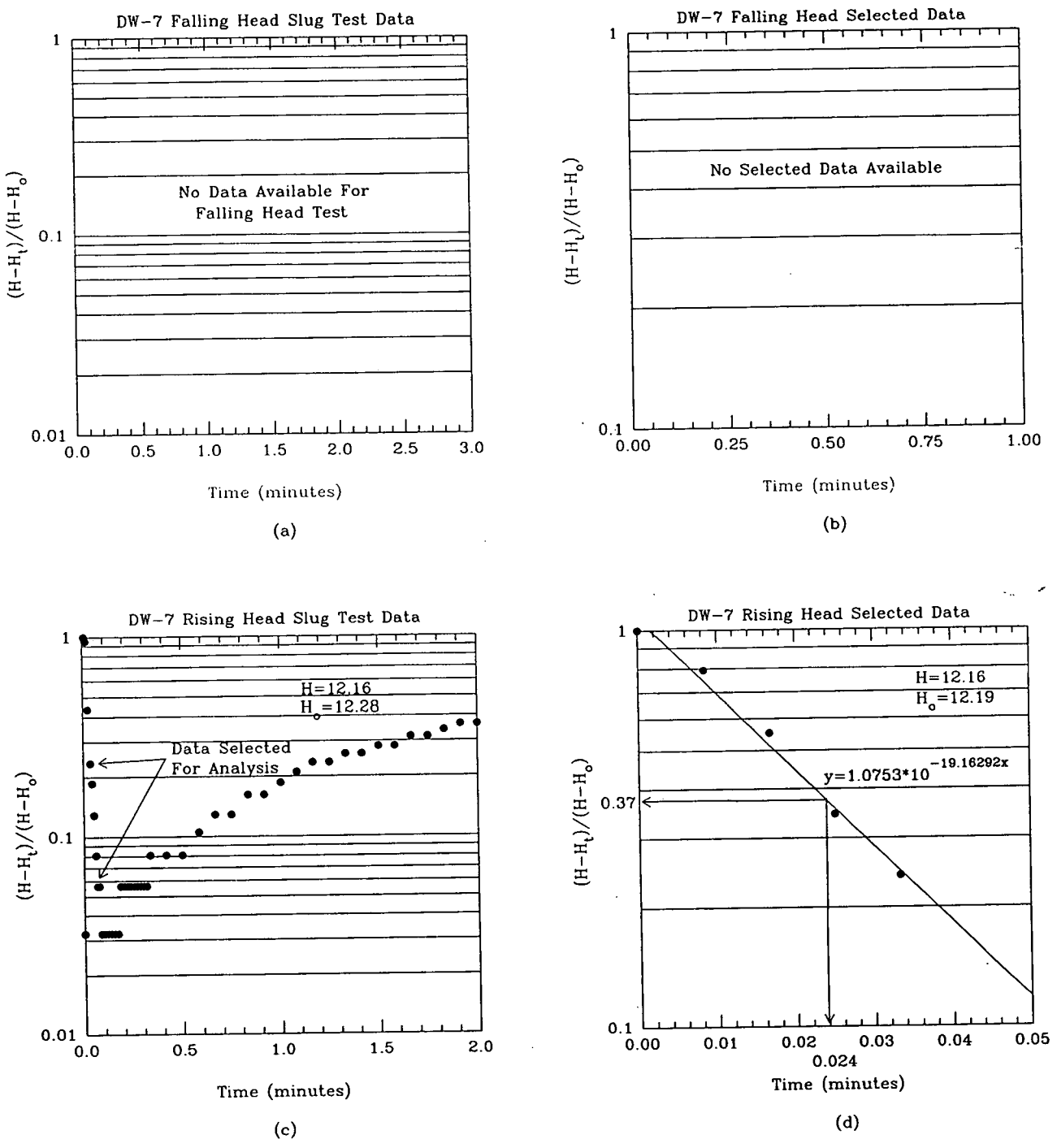
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



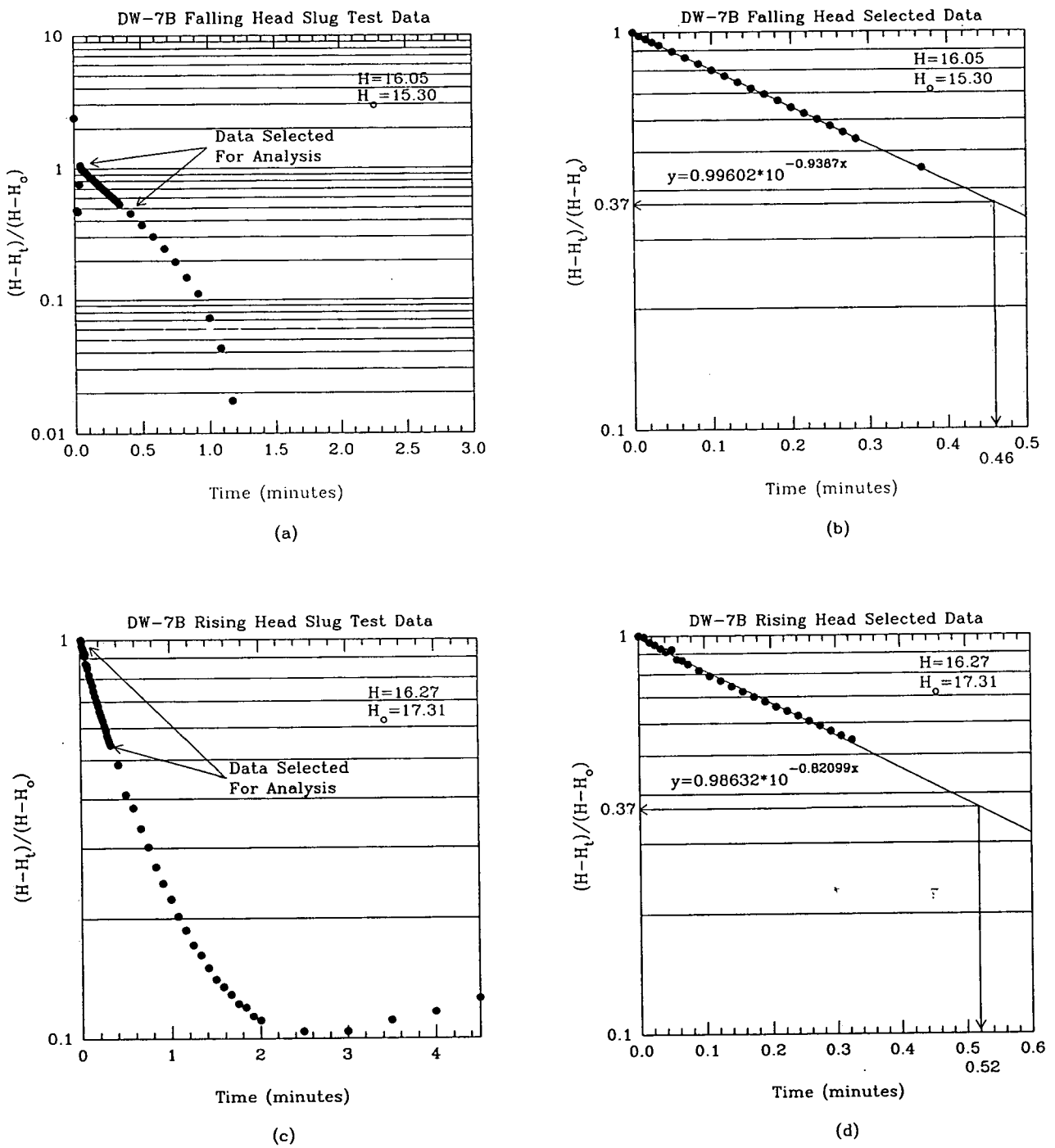
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



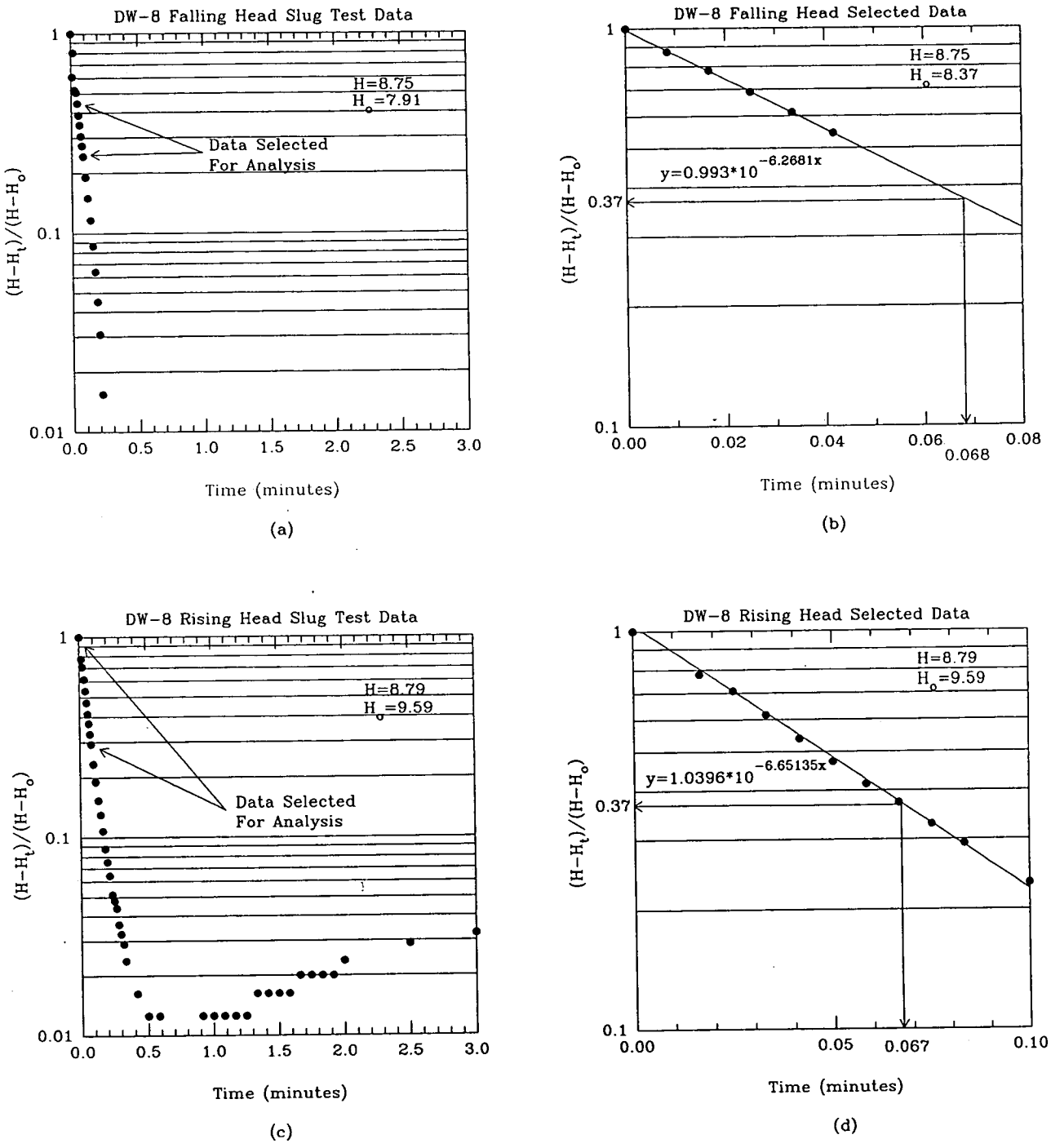
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



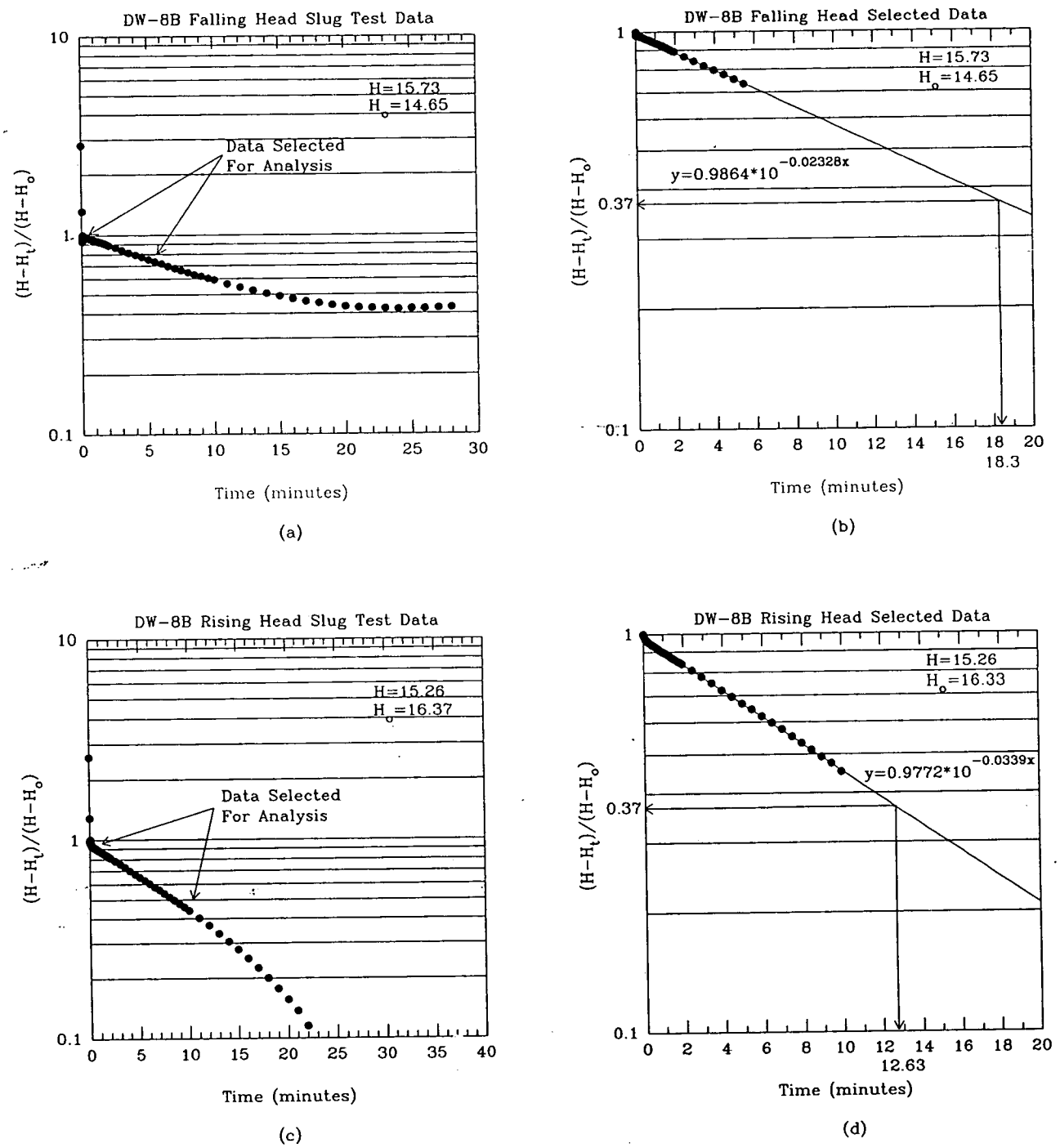
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



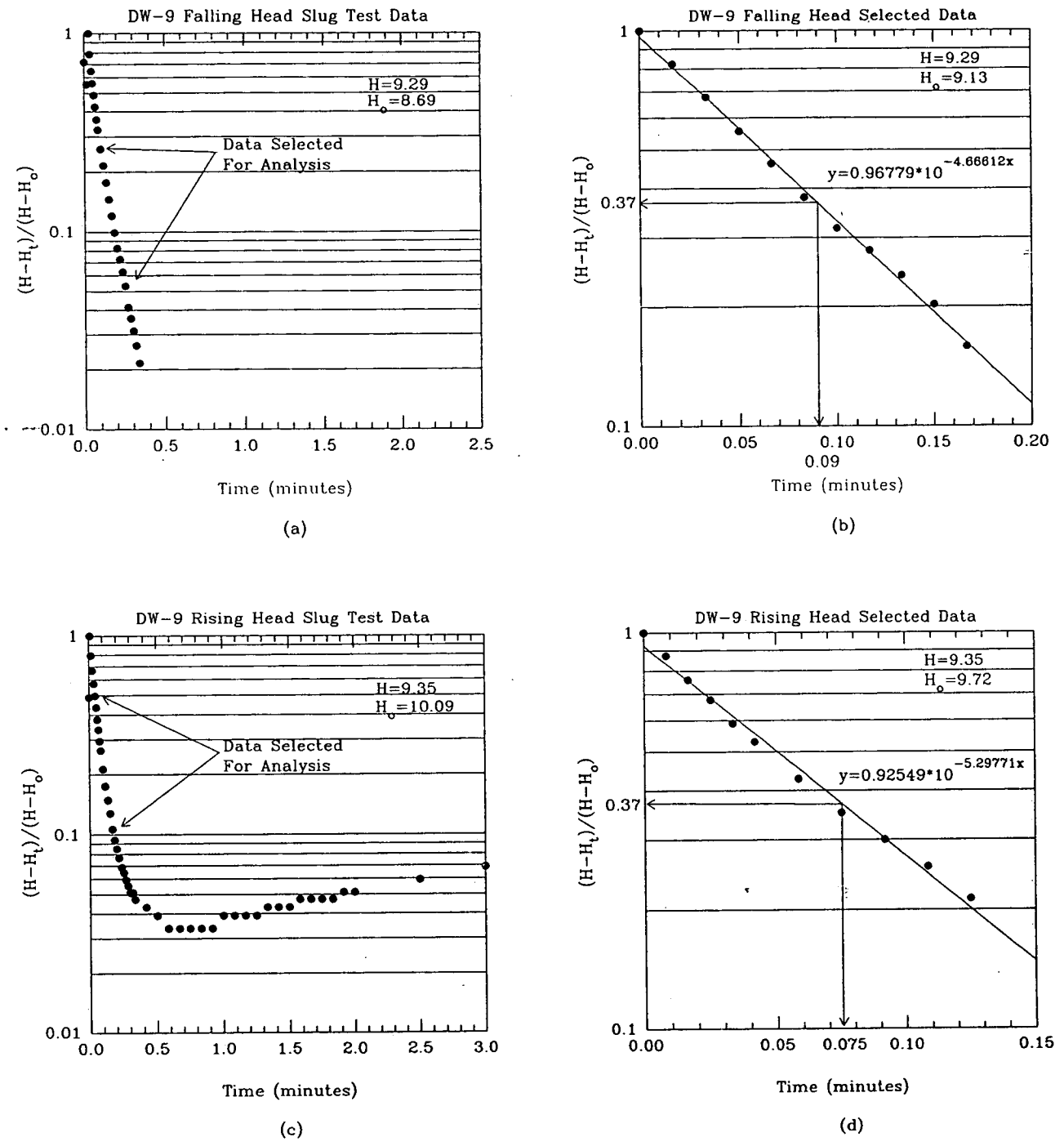
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



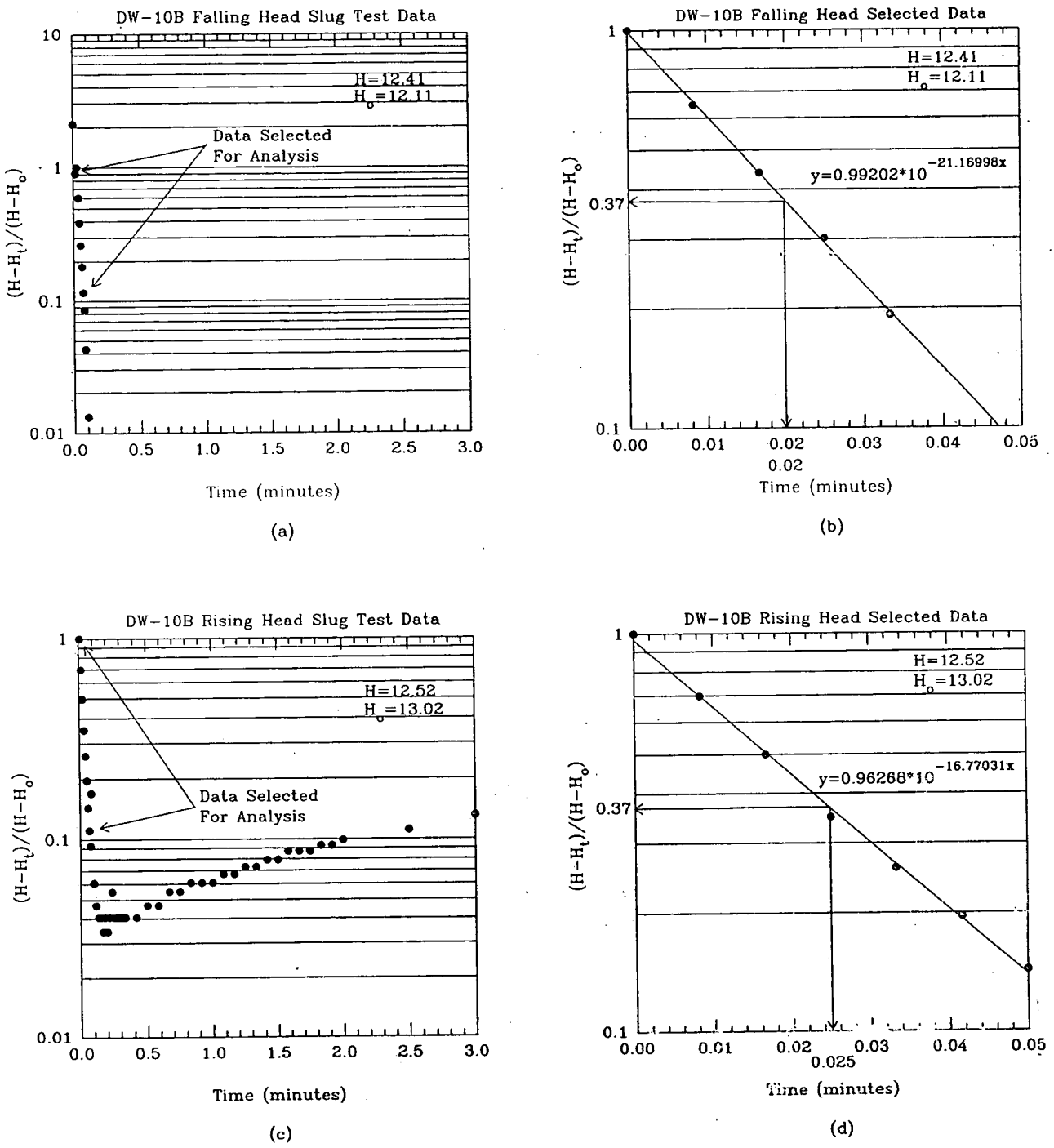
Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.



Plots of water level recovery data for falling (a) and rising (c) head slug tests and selected data plots with regression lines (b) and (d). Points indicated on x-axes of (b) and (d) correspond to T_o of the Hvorslev method for computing hydraulic conductivity.