2006

N

MISSISSIPPI RIVER

P

0.1

1.0

10.0

R

10.0

W. G. K

LOT F

Q NORTH

S

O

10.0

I

1.0

0.1

G

H

L

Q CENTRAL

0.1

M

Q SOUTH

N

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Model was run with retardation only (no biodegradation).

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 11**

Qualitative Calibration: Case 5

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006

N

0.1
1.0
10.0
10.0
10.0
1.0
0.1
0.1
1.0

P
LOT F
W. G. K
R
O
Q NORTH
S
I
Q CENTRAL
G
H
L
M
Q SOUTH
N
MISSISSIPPI RIVER

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Decreased the retardation factor from 6 to 3. The retardation factor adjustment expanded the plume into a portion of Site P, an important qualitative calibration goal.

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 12**

Qualitative Calibration: Case 6

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006

N

0.1
1.0
10.0
10.0
P
W. G. K
R
LOT F
O
1.0
MISSISSIPPI RIVER
Q NORTH
S
10.0
I
0.1
Q CENTRAL
G
H
L
0.1
M
Q SOUTH
N

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Decreased the retardation factor from 6 to 3. The retardation factor adjustment expanded the plume into a portion of Site P, an important qualitative calibration goal.

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 13**

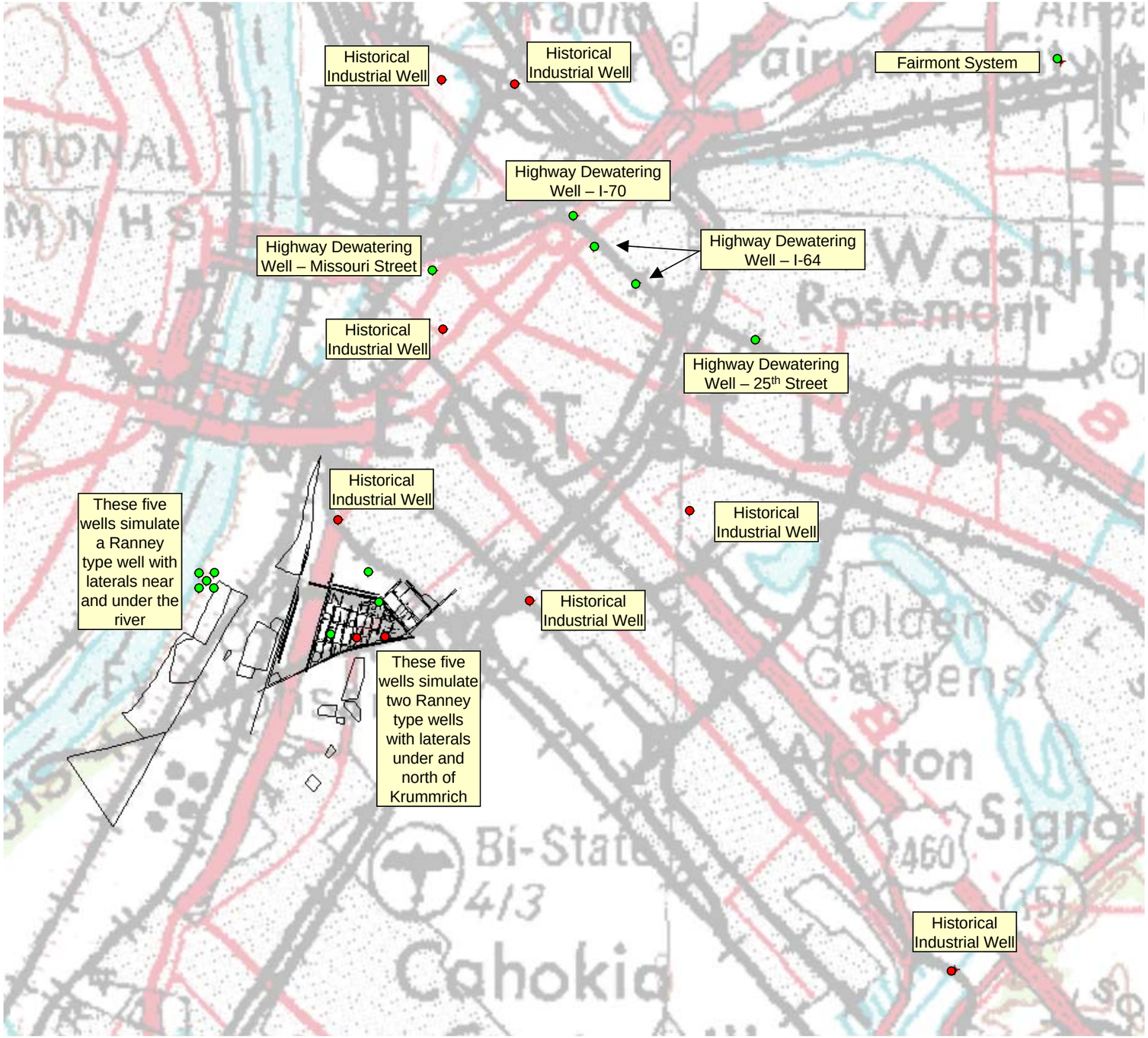
Qualitative Calibration: Case 6

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

GSI Job No: G-2935
Date Issued: 22-Feb-08

FIGURE 14
Simulated Industrial and Dewatering Wells Used in Model



Legend

- Well used in calibrated model
- Historical Industrial well (well used during calibration process, but not in the final model)

NOTES:

1. Five wells were used to model the River Ranney type well to simulate the laterals near and under the river. Similarly, although five wells were used initially to model the two Plant Ranney type wells, with multiple laterals under and north of the plant, two of these wells were turned off during the calibration process.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

2006

N

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Chlorobenzene concentration data from other sources added to the model, and all source concentrations were set to the maximum observed value at each source rather than the average observed value. The River Ranney well was relocated to the northeast tip of Site R and the Plant Ranney wells were moved to the locations shown in Figure 2. Model run with a dispersivity of 46 ft, no retardation, biodegradation rate constant of 0.0011 day^{-1} ($t_{1/2}$ = 602 days), and infiltration rate of 7.645 in/yr (increased from 7.3 in/yr).

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 15**

Qualitative Calibration: Case 7

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006

N

P

0.1

1.0

10.0

R

LOT F

W. G. K

O

Q NORTH

S

MISSISSIPPI RIVER

Q CENTRAL

I

G

H

L

M

Q SOUTH

N

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Chlorobenzene concentration data from other sources added to the model, and all source concentrations were set to the maximum observed value at each source rather than the average observed value. The River Ranney well was relocated to the northeast tip of Site R and the Plant Ranney wells were moved to the locations shown in Figure 2. Model run with a dispersivity of 46 ft, no retardation, biodegradation rate constant of 0.0011 day^{-1} ($t_{1/2}$ = 602 days), and infiltration rate of 7.645 in/yr (increased from 7.3 in/yr).

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 16**

Qualitative Calibration: Case 7

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

GSI Job No: G-2935
Date Issued: 22-Feb-08

FIGURE 17
Chlorobenzene Source Areas and Concentrations
Shallow Hydrogeologic Unit (Layer 1 in Model)

GSI ENVIRONMENTAL

N

SHU-2

Start Date	End Date	Concentration
6/1/1960	6/1/1970	8.74E+00
6/1/1970	6/1/1980	7.35E+00
6/1/1980	6/1/1990	6.18E+00
6/1/1990	6/1/2000	5.20E+00
6/1/2000	6/1/2003	4.37E+00
6/1/2003	6/1/2006	4.15E+00
6/1/2006	6/1/2010	3.94E+00
6/1/2010	6/1/2020	3.67E+00
6/1/2020	6/1/2030	3.09E+00
6/1/2030	6/1/2038	2.60E+00

SHU-1

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.23E+02
6/1/1970	6/1/1980	1.88E+02
6/1/1980	6/1/1990	1.58E+02
6/1/1990	6/1/2000	1.33E+02
6/1/2000	6/1/2003	1.12E+02
6/1/2003	6/1/2006	1.06E+02
6/1/2006	6/1/2010	1.01E+02
6/1/2010	6/1/2020	9.39E+01
6/1/2020	6/1/2030	7.90E+01
6/1/2030	6/1/2038	6.64E+01

SHU-14

Start Date	End Date	Concentration
6/1/1960	6/1/1970	4.80E+00
6/1/1970	6/1/1980	4.04E+00
6/1/1980	6/1/1990	3.39E+00
6/1/1990	6/1/2000	2.85E+00
6/1/2000	6/1/2003	2.40E+00
6/1/2003	6/1/2006	2.28E+00
6/1/2006	6/1/2010	2.16E+00
6/1/2010	6/1/2020	2.02E+00
6/1/2020	6/1/2030	1.70E+00
6/1/2030	6/1/2038	1.43E+00

SHU-13

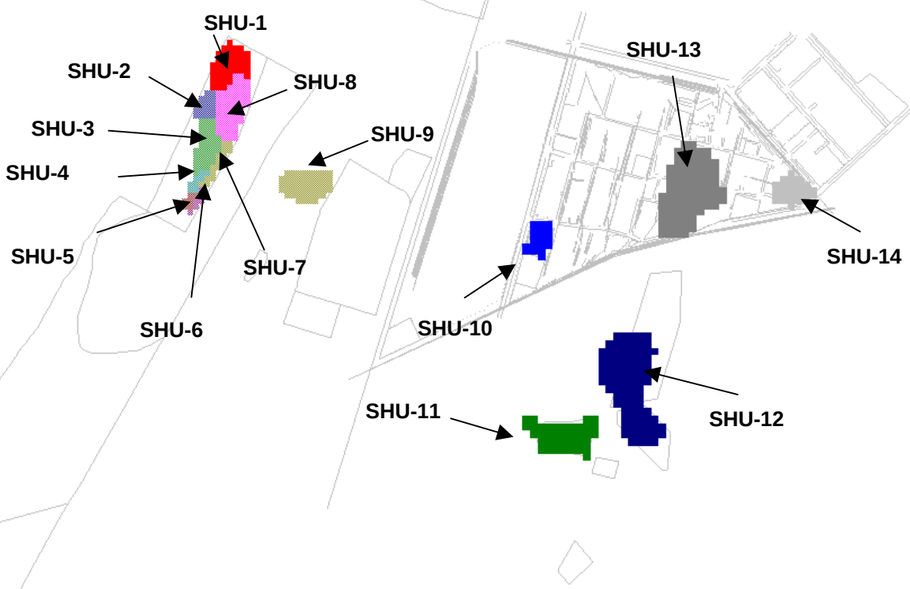
Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.40E+00
6/1/1970	6/1/1980	1.18E+00
6/1/1980	6/1/1990	9.90E-01
6/1/1990	6/1/2000	8.32E-01
6/1/2000	6/1/2003	7.00E-01
6/1/2003	6/1/2006	6.64E-01
6/1/2006	6/1/2010	6.31E-01
6/1/2010	6/1/2020	5.87E-01
6/1/2020	6/1/2030	4.95E-01
6/1/2030	6/1/2038	4.16E-01

SHU-12

Start Date	End Date	Concentration
6/1/1960	6/1/1970	3.20E-02
6/1/1970	6/1/1980	2.69E-02
6/1/1980	6/1/1990	2.26E-02
6/1/1990	6/1/2000	1.90E-02
6/1/2000	6/1/2003	1.60E-02
6/1/2003	6/1/2006	1.52E-02
6/1/2006	6/1/2010	1.44E-02
6/1/2010	6/1/2020	1.35E-02
6/1/2020	6/1/2030	1.13E-02
6/1/2030	6/1/2038	9.51E-03

SHU-3

Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.41E+01
6/1/1970	6/1/1980	1.19E+01
6/1/1980	6/1/1990	1.00E+01
6/1/1990	6/1/2000	8.41E+00
6/1/2000	6/1/2003	7.07E+00
6/1/2003	6/1/2006	6.71E+00
6/1/2006	6/1/2010	6.37E+00
6/1/2010	6/1/2020	5.95E+00
6/1/2020	6/1/2030	5.00E+00
6/1/2030	6/1/2038	4.20E+00



SHU-11

Start Date	End Date	Concentration
6/1/1960	6/1/1970	5.20E+00
6/1/1970	6/1/1980	4.37E+00
6/1/1980	6/1/1990	3.68E+00
6/1/1990	6/1/2000	3.09E+00
6/1/2000	6/1/2003	2.60E+00
6/1/2003	6/1/2006	2.47E+00
6/1/2006	6/1/2010	2.34E+00
6/1/2010	6/1/2020	2.19E+00
6/1/2020	6/1/2030	1.84E+00
6/1/2030	6/1/2038	1.55E+00

SHU-10

Start Date	End Date	Concentration
6/1/1960	6/1/1970	3.70E+02
6/1/1970	6/1/1980	3.12E+02
6/1/1980	6/1/1990	2.62E+02
6/1/1990	6/1/2000	2.20E+02
6/1/2000	6/1/2003	1.84E+02
6/1/2003	6/1/2006	1.76E+02
6/1/2006	6/1/2010	1.67E+02
6/1/2010	6/1/2020	1.56E+02
6/1/2020	6/1/2030	1.31E+02
6/1/2030	6/1/2038	1.10E+02

SHU-9

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.20E+01
6/1/1970	6/1/1980	1.85E+01
6/1/1980	6/1/1990	1.56E+01
6/1/1990	6/1/2000	1.31E+01
6/1/2000	6/1/2003	1.10E+01
6/1/2003	6/1/2006	1.04E+01
6/1/2006	6/1/2010	9.91E+00
6/1/2010	6/1/2020	9.25E+00
6/1/2020	6/1/2030	7.78E+00
6/1/2030	6/1/2038	6.54E+00

SHU-4

Start Date	End Date	Concentration
6/1/1960	6/1/1970	4.89E-01
6/1/1970	6/1/1980	4.11E-01
6/1/1980	6/1/1990	3.46E-01
6/1/1990	6/1/2000	2.91E-01
6/1/2000	6/1/2003	2.45E-01
6/1/2003	6/1/2006	2.32E-01
6/1/2006	6/1/2010	2.20E-01
6/1/2010	6/1/2020	2.06E-01
6/1/2020	6/1/2030	1.73E-01
6/1/2030	6/1/2038	1.45E-01

SHU-5

Start Date	End Date	Concentration
6/1/1960	6/1/1970	6.17E+00
6/1/1970	6/1/1980	5.19E+00
6/1/1980	6/1/1990	4.36E+00
6/1/1990	6/1/2000	3.67E+00
6/1/2000	6/1/2003	3.09E+00
6/1/2003	6/1/2006	2.93E+00
6/1/2006	6/1/2010	2.78E+00
6/1/2010	6/1/2020	2.60E+00
6/1/2020	6/1/2030	2.18E+00
6/1/2030	6/1/2038	1.84E+00

SHU-6

Start Date	End Date	Concentration
6/1/1960	6/1/1970	4.80E+00
6/1/1970	6/1/1980	4.04E+00
6/1/1980	6/1/1990	3.39E+00
6/1/1990	6/1/2000	2.85E+00
6/1/2000	6/1/2003	2.40E+00
6/1/2003	6/1/2006	2.28E+00
6/1/2006	6/1/2010	2.16E+00
6/1/2010	6/1/2020	2.02E+00
6/1/2020	6/1/2030	1.70E+00
6/1/2030	6/1/2038	1.43E+00

SHU-7

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.04E+00
6/1/1970	6/1/1980	1.71E+00
6/1/1980	6/1/1990	1.44E+00
6/1/1990	6/1/2000	1.21E+00
6/1/2000	6/1/2003	1.02E+00
6/1/2003	6/1/2006	9.67E-01
6/1/2006	6/1/2010	9.18E-01
6/1/2010	6/1/2020	8.56E-01
6/1/2020	6/1/2030	7.20E-01
6/1/2030	6/1/2038	6.05E-01

SHU-8

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.67E+01
6/1/1970	6/1/1980	2.25E+01
6/1/1980	6/1/1990	1.89E+01
6/1/1990	6/1/2000	1.59E+01
6/1/2000	6/1/2003	1.34E+01
6/1/2003	6/1/2006	1.27E+01
6/1/2006	6/1/2010	1.20E+01
6/1/2010	6/1/2020	1.12E+01
6/1/2020	6/1/2030	9.45E+00
6/1/2030	6/1/2038	7.95E+00

NOTES:

1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI Job No: G-2935
Date Issued: 22-Feb-08

FIGURE 18
Chlorobenzene Source Areas and Concentrations
Middle Hydrogeologic Unit (Layer 2 in Model)

GSI ENVIRONMENTAL

N

Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.70E+02
6/1/1970	6/1/1980	1.43E+02
6/1/1980	6/1/1990	1.20E+02
6/1/1990	6/1/2000	1.01E+02
6/1/2000	6/1/2003	8.51E+01
6/1/2003	6/1/2006	8.08E+01
6/1/2006	6/1/2010	7.67E+01
6/1/2010	6/1/2020	7.16E+01
6/1/2020	6/1/2030	6.02E+01
6/1/2030	6/1/2038	5.06E+01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	3.20E+01
6/1/1970	6/1/1980	2.69E+01
6/1/1980	6/1/1990	2.26E+01
6/1/1990	6/1/2000	1.90E+01
6/1/2000	6/1/2003	1.60E+01
6/1/2003	6/1/2006	1.52E+01
6/1/2006	6/1/2010	1.44E+01
6/1/2010	6/1/2020	1.35E+01
6/1/2020	6/1/2030	1.13E+01
6/1/2030	6/1/2038	9.51E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.04E+01
6/1/1970	6/1/1980	8.75E+00
6/1/1980	6/1/1990	7.35E+00
6/1/1990	6/1/2000	6.18E+00
6/1/2000	6/1/2003	5.20E+00
6/1/2003	6/1/2006	4.94E+00
6/1/2006	6/1/2010	4.69E+00
6/1/2010	6/1/2020	4.37E+00
6/1/2020	6/1/2030	3.68E+00
6/1/2030	6/1/2038	3.09E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	8.60E+00
6/1/1970	6/1/1980	7.23E+00
6/1/1980	6/1/1990	6.08E+00
6/1/1990	6/1/2000	5.15E+00
6/1/2000	6/1/2003	4.30E+00
6/1/2003	6/1/2006	4.08E+00
6/1/2006	6/1/2010	3.87E+00
6/1/2010	6/1/2020	3.61E+00
6/1/2020	6/1/2030	3.04E+00
6/1/2030	6/1/2038	2.55E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	3.20E+01
6/1/1970	6/1/1980	2.69E+01
6/1/1980	6/1/1990	2.26E+01
6/1/1990	6/1/2000	1.90E+01
6/1/2000	6/1/2003	1.60E+01
6/1/2003	6/1/2006	1.52E+01
6/1/2006	6/1/2010	1.44E+01
6/1/2010	6/1/2020	1.35E+01
6/1/2020	6/1/2030	1.13E+01
6/1/2030	6/1/2038	9.51E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	4.72E+02
6/1/1970	6/1/1980	4.72E+02
6/1/1980	6/1/1990	4.58E+02
6/1/1990	6/1/2000	3.85E+02
6/1/2000	6/1/2003	3.24E+02
6/1/2003	6/1/2006	3.08E+02
6/1/2006	6/1/2010	2.92E+02
6/1/2010	6/1/2020	2.73E+02
6/1/2020	6/1/2030	2.29E+02
6/1/2030	6/1/2038	1.92E+02

Start Date	End Date	Concentration
6/1/1960	6/1/1970	8.67E+00
6/1/1970	6/1/1980	7.29E+00
6/1/1980	6/1/1990	6.13E+00
6/1/1990	6/1/2000	5.15E+00
6/1/2000	6/1/2003	4.33E+00
6/1/2003	6/1/2006	4.11E+00
6/1/2006	6/1/2010	3.91E+00
6/1/2010	6/1/2020	3.64E+00
6/1/2020	6/1/2030	3.07E+00
6/1/2030	6/1/2038	2.58E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.40E+02
6/1/1970	6/1/1980	2.02E+02
6/1/1980	6/1/1990	1.70E+02
6/1/1990	6/1/2000	1.43E+02
6/1/2000	6/1/2003	1.20E+02
6/1/2003	6/1/2006	1.14E+02
6/1/2006	6/1/2010	1.08E+02
6/1/2010	6/1/2020	1.01E+02
6/1/2020	6/1/2030	8.48E+01
6/1/2030	6/1/2038	7.13E+01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	6.70E+00
6/1/1970	6/1/1980	5.64E+00
6/1/1980	6/1/1990	4.74E+00
6/1/1990	6/1/2000	3.99E+00
6/1/2000	6/1/2003	3.35E+00
6/1/2003	6/1/2006	3.18E+00
6/1/2006	6/1/2010	3.02E+00
6/1/2010	6/1/2020	2.82E+00
6/1/2020	6/1/2030	2.37E+00
6/1/2030	6/1/2038	1.99E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.42E+00
6/1/1970	6/1/1980	2.03E+00
6/1/1980	6/1/1990	1.71E+00
6/1/1990	6/1/2000	1.44E+00
6/1/2000	6/1/2003	1.21E+00
6/1/2003	6/1/2006	1.15E+00
6/1/2006	6/1/2010	1.09E+00
6/1/2010	6/1/2020	1.02E+00
6/1/2020	6/1/2030	8.55E-01
6/1/2030	6/1/2038	7.19E-01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	8.60E+00
6/1/1970	6/1/1980	7.23E+00
6/1/1980	6/1/1990	6.08E+00
6/1/1990	6/1/2000	5.11E+00
6/1/2000	6/1/2003	4.30E+00
6/1/2003	6/1/2006	4.08E+00
6/1/2006	6/1/2010	3.88E+00
6/1/2010	6/1/2020	3.62E+00
6/1/2020	6/1/2030	3.04E+00
6/1/2030	6/1/2038	2.56E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	4.80E+00
6/1/1970	6/1/1980	4.04E+00
6/1/1980	6/1/1990	3.39E+00
6/1/1990	6/1/2000	2.85E+00
6/1/2000	6/1/2003	2.40E+00
6/1/2003	6/1/2006	2.28E+00
6/1/2006	6/1/2010	2.16E+00
6/1/2010	6/1/2020	2.02E+00
6/1/2020	6/1/2030	1.70E+00
6/1/2030	6/1/2038	1.43E+00

NOTES:

1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI Job No: G-2935
Date Issued: 22-Feb-08

FIGURE 19
Chlorobenzene Source Areas and Concentrations
Deep Hydrogeologic Unit (Layer 3 in Model)

GSI ENVIRONMENTAL

N

Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.02E+00
6/1/1970	6/1/1980	8.60E-01
6/1/1980	6/1/1990	7.20E-01
6/1/1990	6/1/2000	6.10E-01
6/1/2000	6/1/2003	5.10E-01
6/1/2003	6/1/2006	4.90E-01
6/1/2006	6/1/2010	4.60E-01
6/1/2010	6/1/2020	4.30E-01
6/1/2020	6/1/2030	3.60E-01
6/1/2030	6/1/2038	3.05E-01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.20E+01
6/1/1970	6/1/1980	1.85E+01
6/1/1980	6/1/1990	1.56E+01
6/1/1990	6/1/2000	1.31E+01
6/1/2000	6/1/2003	1.10E+01
6/1/2003	6/1/2006	1.04E+01
6/1/2006	6/1/2010	9.90E+00
6/1/2010	6/1/2020	9.24E+00
6/1/2020	6/1/2030	7.77E+00
6/1/2030	6/1/2038	6.54E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	4.40E+01
6/1/1970	6/1/1980	3.70E+01
6/1/1980	6/1/1990	3.11E+01
6/1/1990	6/1/2000	2.62E+01
6/1/2000	6/1/2003	2.20E+01
6/1/2003	6/1/2006	2.09E+01
6/1/2006	6/1/2010	1.98E+01
6/1/2010	6/1/2020	1.85E+01
6/1/2020	6/1/2030	1.56E+01
6/1/2030	6/1/2038	1.31E+01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.03E+02
6/1/1970	6/1/1980	8.67E+01
6/1/1980	6/1/1990	7.25E+01
6/1/1990	6/1/2000	6.22E+01
6/1/2000	6/1/2003	5.14E+01
6/1/2003	6/1/2006	4.88E+01
6/1/2006	6/1/2010	4.64E+01
6/1/2010	6/1/2020	4.32E+01
6/1/2020	6/1/2030	3.64E+01
6/1/2030	6/1/2038	3.06E+01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.04E+01
6/1/1970	6/1/1980	8.78E+00
6/1/1980	6/1/1990	7.38E+00
6/1/1990	6/1/2000	6.31E+00
6/1/2000	6/1/2003	5.22E+00
6/1/2003	6/1/2006	4.95E+00
6/1/2006	6/1/2010	4.70E+00
6/1/2010	6/1/2020	4.39E+00
6/1/2020	6/1/2030	3.69E+00
6/1/2030	6/1/2038	3.10E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.04E+02
6/1/1970	6/1/1980	1.72E+02
6/1/1980	6/1/1990	1.44E+02
6/1/1990	6/1/2000	1.20E+02
6/1/2000	6/1/2003	1.02E+02
6/1/2003	6/1/2006	9.68E+01
6/1/2006	6/1/2010	9.19E+01
6/1/2010	6/1/2020	8.58E+01
6/1/2020	6/1/2030	7.21E+01
6/1/2030	6/1/2038	6.06E+01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	8.60E+00
6/1/1970	6/1/1980	7.23E+00
6/1/1980	6/1/1990	6.08E+00
6/1/1990	6/1/2000	5.11E+00
6/1/2000	6/1/2003	4.30E+00
6/1/2003	6/1/2006	4.08E+00
6/1/2006	6/1/2010	3.88E+00
6/1/2010	6/1/2020	3.62E+00
6/1/2020	6/1/2030	3.04E+00
6/1/2030	6/1/2038	2.56E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	9.20E+00
6/1/1970	6/1/1980	7.74E+00
6/1/1980	6/1/1990	6.51E+00
6/1/1990	6/1/2000	5.47E+00
6/1/2000	6/1/2003	4.60E+00
6/1/2003	6/1/2006	4.37E+00
6/1/2006	6/1/2010	4.15E+00
6/1/2010	6/1/2020	3.87E+00
6/1/2020	6/1/2030	3.25E+00
6/1/2030	6/1/2038	2.74E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	7.25E+00
6/1/1970	6/1/1980	6.10E+00
6/1/1980	6/1/1990	5.13E+00
6/1/1990	6/1/2000	4.31E+00
6/1/2000	6/1/2003	3.63E+00
6/1/2003	6/1/2006	3.44E+00
6/1/2006	6/1/2010	3.27E+00
6/1/2010	6/1/2020	3.05E+00
6/1/2020	6/1/2030	2.57E+00
6/1/2030	6/1/2038	2.16E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	7.33E+00
6/1/1970	6/1/1980	6.17E+00
6/1/1980	6/1/1990	5.19E+00
6/1/1990	6/1/2000	4.36E+00
6/1/2000	6/1/2003	3.67E+00
6/1/2003	6/1/2006	3.48E+00
6/1/2006	6/1/2010	3.30E+00
6/1/2010	6/1/2020	3.08E+00
6/1/2020	6/1/2030	2.59E+00
6/1/2030	6/1/2038	2.18E+00

NOTES:

1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

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FIGURE 20
1,4-Dichlorobenzene Source Areas and Concentrations
Shallow Hydrogeologic Unit (Layer 1 in Model)

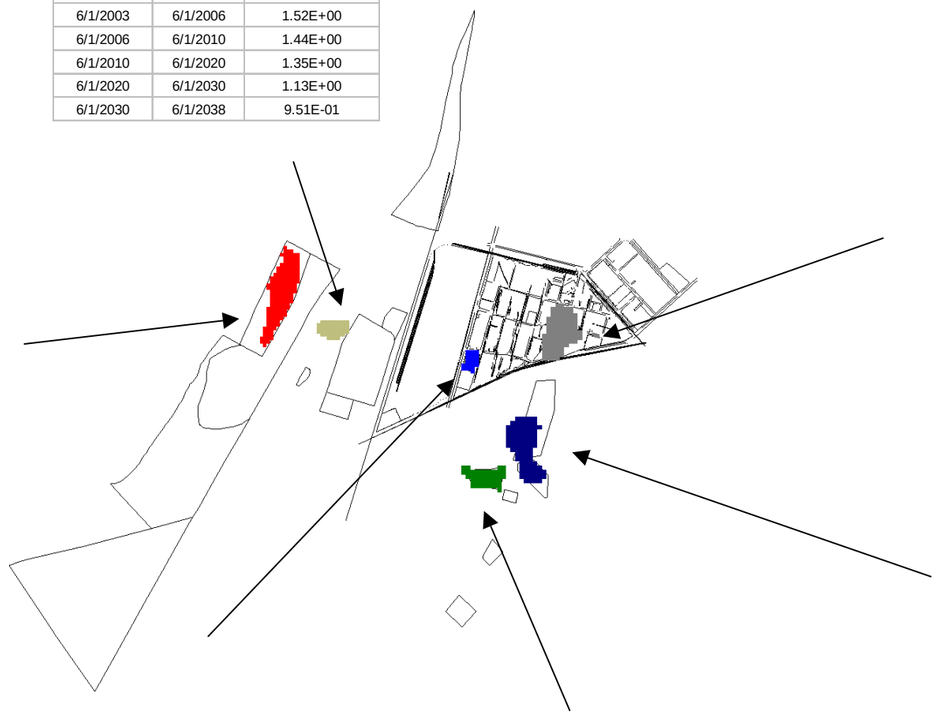
GSI ENVIRONMENTAL

N

Start Date	End Date	Concentration
6/1/1960	6/1/1970	3.20E+00
6/1/1970	6/1/1980	2.69E+00
6/1/1980	6/1/1990	2.26E+00
6/1/1990	6/1/2000	1.90E+00
6/1/2000	6/1/2003	1.60E+00
6/1/2003	6/1/2006	1.52E+00
6/1/2006	6/1/2010	1.44E+00
6/1/2010	6/1/2020	1.35E+00
6/1/2020	6/1/2030	1.13E+00
6/1/2030	6/1/2038	9.51E-01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.90E+00
6/1/1970	6/1/1980	2.44E+00
6/1/1980	6/1/1990	2.05E+00
6/1/1990	6/1/2000	1.72E+00
6/1/2000	6/1/2003	1.45E+00
6/1/2003	6/1/2006	1.38E+00
6/1/2006	6/1/2010	1.31E+00
6/1/2010	6/1/2020	1.22E+00
6/1/2020	6/1/2030	1.02E+00
6/1/2030	6/1/2038	8.60E-01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	6.00E-01
6/1/1970	6/1/1980	5.00E-01
6/1/1980	6/1/1990	4.20E-01
6/1/1990	6/1/2000	3.60E-01
6/1/2000	6/1/2003	3.00E-01
6/1/2003	6/1/2006	2.80E-01
6/1/2006	6/1/2010	2.70E-01
6/1/2010	6/1/2020	2.50E-01
6/1/2020	6/1/2030	2.10E-01
6/1/2030	6/1/2038	1.80E-01



Start Date	End Date	Concentration
6/1/1960	6/1/1970	7.40E+00
6/1/1970	6/1/1980	6.22E+00
6/1/1980	6/1/1990	5.23E+00
6/1/1990	6/1/2000	4.40E+00
6/1/2000	6/1/2003	3.70E+00
6/1/2003	6/1/2006	3.51E+00
6/1/2006	6/1/2010	3.33E+00
6/1/2010	6/1/2020	3.11E+00
6/1/2020	6/1/2030	2.62E+00
6/1/2030	6/1/2038	2.20E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	6.20E+00
6/1/1970	6/1/1980	5.21E+00
6/1/1980	6/1/1990	4.38E+00
6/1/1990	6/1/2000	3.69E+00
6/1/2000	6/1/2003	3.10E+00
6/1/2003	6/1/2006	2.94E+00
6/1/2006	6/1/2010	2.79E+00
6/1/2010	6/1/2020	2.61E+00
6/1/2020	6/1/2030	2.19E+00
6/1/2030	6/1/2038	1.84E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.20E+00
6/1/1970	6/1/1980	1.85E+00
6/1/1980	6/1/1990	1.56E+00
6/1/1990	6/1/2000	1.31E+00
6/1/2000	6/1/2003	1.10E+00
6/1/2003	6/1/2006	1.04E+00
6/1/2006	6/1/2010	9.90E-01
6/1/2010	6/1/2020	9.20E-01
6/1/2020	6/1/2030	7.80E-01
6/1/2030	6/1/2038	6.50E-01

NOTES:

1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

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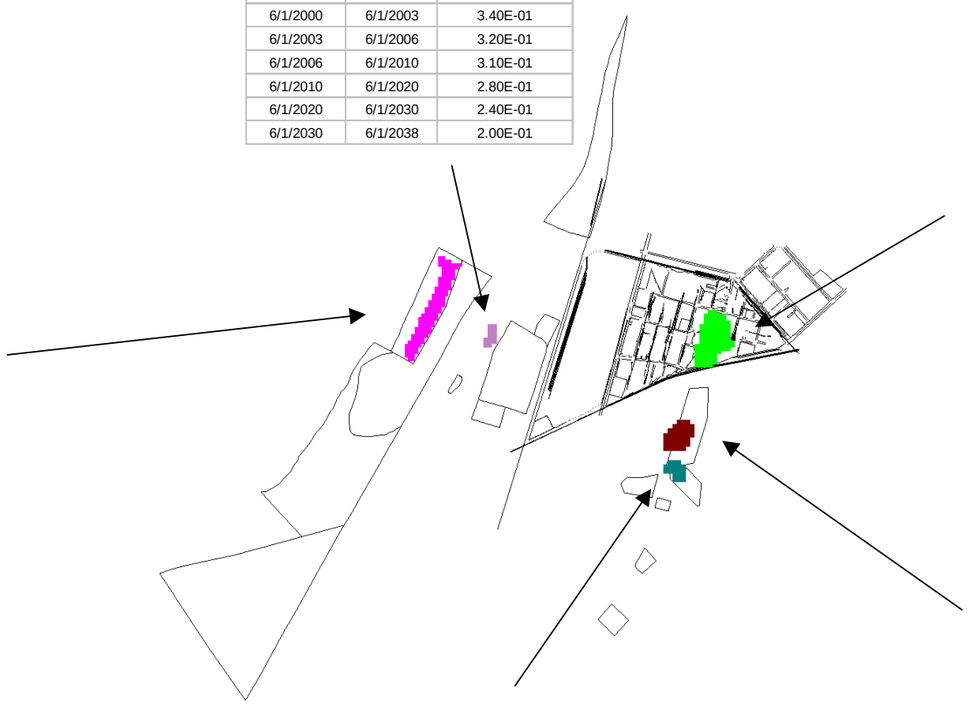
FIGURE 21
1,4-Dichlorobenzene Source Areas and Concentrations
Middle Hydrogeologic Unit (Layer 2 in Model)

GSI ENVIRONMENTAL

N

Start Date	End Date	Concentration
6/1/1960	6/1/1970	6.80E-01
6/1/1970	6/1/1980	5.70E-01
6/1/1980	6/1/1990	4.80E-01
6/1/1990	6/1/2000	4.00E-01
6/1/2000	6/1/2003	3.40E-01
6/1/2003	6/1/2006	3.20E-01
6/1/2006	6/1/2010	3.10E-01
6/1/2010	6/1/2020	2.80E-01
6/1/2020	6/1/2030	2.40E-01
6/1/2030	6/1/2038	2.00E-01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	8.20E-01
6/1/1970	6/1/1980	6.70E-01
6/1/1980	6/1/1990	5.80E-01
6/1/1990	6/1/2000	4.90E-01
6/1/2000	6/1/2003	4.10E-01
6/1/2003	6/1/2006	3.90E-01
6/1/2006	6/1/2010	3.70E-01
6/1/2010	6/1/2020	3.40E-01
6/1/2020	6/1/2030	2.90E-01
6/1/2030	6/1/2038	2.40E-01



Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.00E+02
6/1/1970	6/1/1980	8.41E+01
6/1/1980	6/1/1990	7.07E+01
6/1/1990	6/1/2000	5.95E+01
6/1/2000	6/1/2003	5.00E+01
6/1/2003	6/1/2006	4.75E+01
6/1/2006	6/1/2010	4.51E+01
6/1/2010	6/1/2020	4.20E+01
6/1/2020	6/1/2030	3.54E+01
6/1/2030	6/1/2038	2.97E+01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.80E+01
6/1/1970	6/1/1980	2.35E+01
6/1/1980	6/1/1990	1.98E+01
6/1/1990	6/1/2000	1.67E+01
6/1/2000	6/1/2003	1.40E+01
6/1/2003	6/1/2006	1.33E+01
6/1/2006	6/1/2010	1.26E+01
6/1/2010	6/1/2020	1.18E+01
6/1/2020	6/1/2030	9.90E+00
6/1/2030	6/1/2038	8.32E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.20E+01
6/1/1970	6/1/1980	1.01E+01
6/1/1980	6/1/1990	8.49E+00
6/1/1990	6/1/2000	7.14E+00
6/1/2000	6/1/2003	6.00E+00
6/1/2003	6/1/2006	5.70E+00
6/1/2006	6/1/2010	5.41E+00
6/1/2010	6/1/2020	5.05E+00
6/1/2020	6/1/2030	4.24E+00
6/1/2030	6/1/2038	3.57E+00

NOTES:

1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

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FIGURE 22
1,4-Dichlorobenzene Source Areas and Concentrations
Deep Hydrogeologic Unit (Layer 3 in Model)

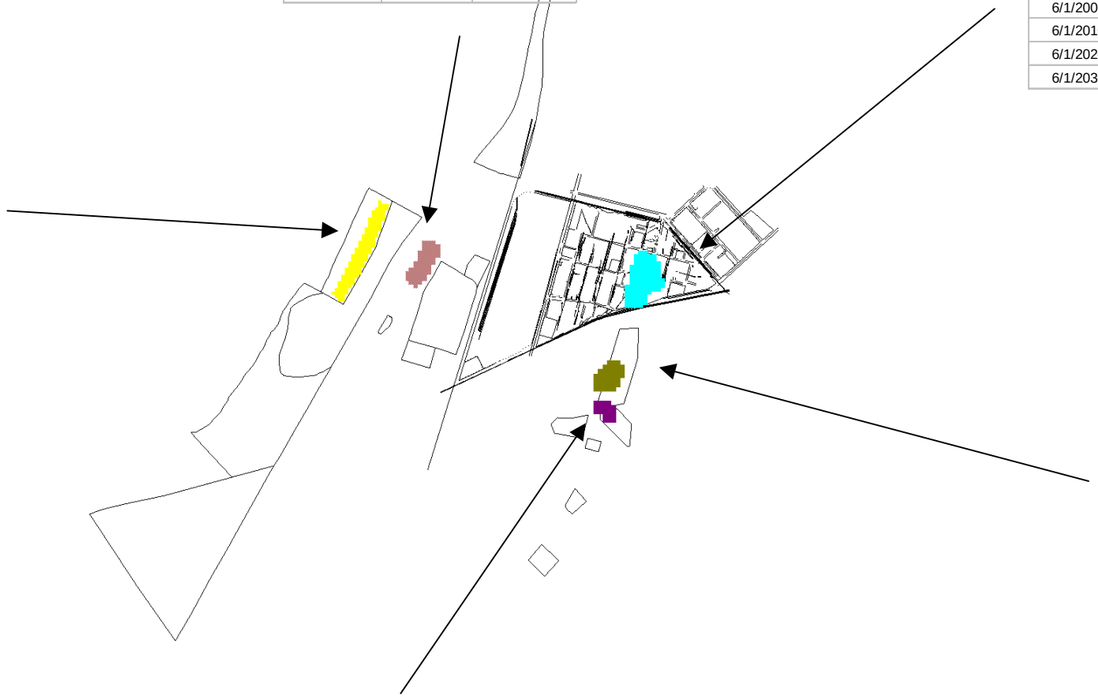
GSI ENVIRONMENTAL

N

Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.46E+00
6/1/1970	6/1/1980	1.23E+00
6/1/1980	6/1/1990	1.03E+00
6/1/1990	6/1/2000	8.70E-01
6/1/2000	6/1/2003	7.30E-01
6/1/2003	6/1/2006	6.90E-01
6/1/2006	6/1/2010	6.60E-01
6/1/2010	6/1/2020	6.10E-01
6/1/2020	6/1/2030	5.20E-01
6/1/2030	6/1/2038	4.30E-01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.20E+01
6/1/1970	6/1/1980	1.85E+01
6/1/1980	6/1/1990	1.56E+01
6/1/1990	6/1/2000	1.31E+01
6/1/2000	6/1/2003	1.10E+01
6/1/2003	6/1/2006	1.04E+01
6/1/2006	6/1/2010	9.91E+00
6/1/2010	6/1/2020	9.25E+00
6/1/2020	6/1/2030	7.78E+00
6/1/2030	6/1/2038	6.54E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.50E+00
6/1/1970	6/1/1980	1.26E+00
6/1/1980	6/1/1990	1.06E+00
6/1/1990	6/1/2000	8.90E-01
6/1/2000	6/1/2003	7.50E-01
6/1/2003	6/1/2006	7.10E-01
6/1/2006	6/1/2010	6.80E-01
6/1/2010	6/1/2020	6.30E-01
6/1/2020	6/1/2030	5.30E-01
6/1/2030	6/1/2038	4.40E-01



Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.63E+01
6/1/1970	6/1/1980	1.37E+01
6/1/1980	6/1/1990	1.15E+01
6/1/1990	6/1/2000	9.70E+00
6/1/2000	6/1/2003	8.16E+00
6/1/2003	6/1/2006	7.74E+00
6/1/2006	6/1/2010	7.35E+00
6/1/2010	6/1/2020	6.86E+00
6/1/2020	6/1/2030	5.77E+00
6/1/2030	6/1/2038	4.85E+00

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.80E+01
6/1/1970	6/1/1980	2.35E+01
6/1/1980	6/1/1990	1.98E+01
6/1/1990	6/1/2000	1.66E+01
6/1/2000	6/1/2003	1.40E+01
6/1/2003	6/1/2006	1.33E+01
6/1/2006	6/1/2010	1.26E+01
6/1/2010	6/1/2020	1.18E+01
6/1/2020	6/1/2030	9.90E+00
6/1/2030	6/1/2038	8.32E+00

NOTES:

1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

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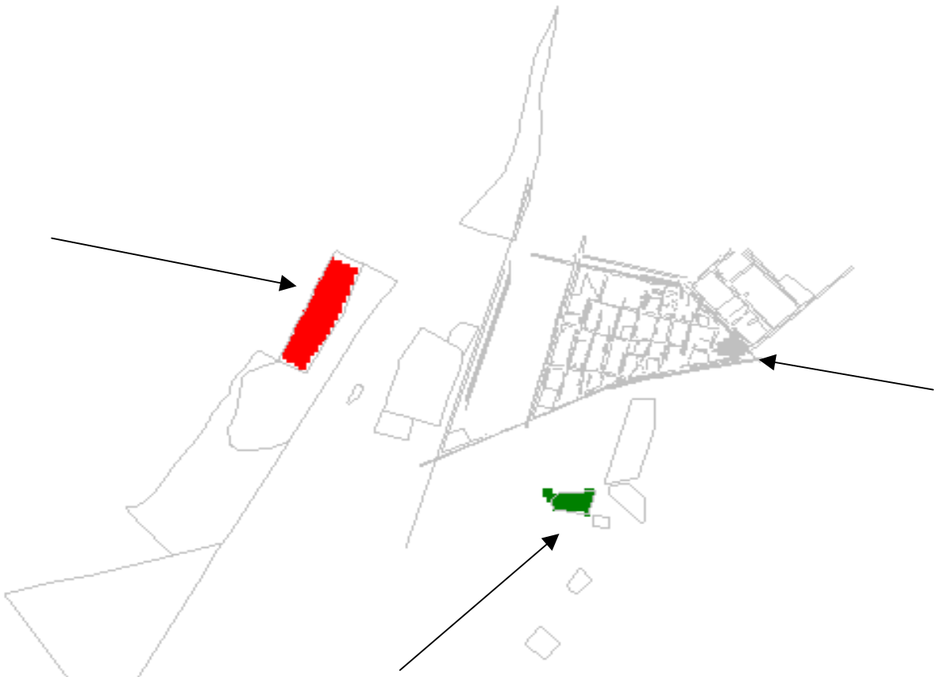
FIGURE 23
2,4-D Source Areas and Concentrations
Shallow Hydrogeologic Unit (Layer 1 in Model)

GSI ENVIRONMENTAL

N

Start Date	End Date	Concentration
6/1/1960	6/1/1970	8.20E+01
6/1/1970	6/1/1980	6.90E+01
6/1/1980	6/1/1990	5.80E+01
6/1/1990	6/1/2000	4.88E+01
6/1/2000	6/1/2003	4.10E+01
6/1/2003	6/1/2006	3.89E+01
6/1/2006	6/1/2010	3.70E+01
6/1/2010	6/1/2020	3.45E+01
6/1/2020	6/1/2030	2.90E+01
6/1/2030	6/1/2038	2.44E+01



Start Date	End Date	Concentration
6/1/1960	6/1/1970	1.10E+00
6/1/1970	6/1/1980	9.20E-01
6/1/1980	6/1/1990	7.80E-01
6/1/1990	6/1/2000	6.50E-01
6/1/2000	6/1/2003	5.50E-01
6/1/2003	6/1/2006	5.20E-01
6/1/2006	6/1/2010	4.90E-01
6/1/2010	6/1/2020	4.60E-01
6/1/2020	6/1/2030	3.90E-01
6/1/2030	6/1/2038	3.30E-01

Start Date	End Date	Concentration
6/1/1960	6/1/1970	2.40E+00
6/1/1970	6/1/1980	2.02E+00
6/1/1980	6/1/1990	1.70E+00
6/1/1990	6/1/2000	1.43E+00
6/1/2000	6/1/2003	1.20E+00
6/1/2003	6/1/2006	1.14E+00
6/1/2006	6/1/2010	1.08E+00
6/1/2010	6/1/2020	1.01E+00
6/1/2020	6/1/2030	8.50E-01
6/1/2030	6/1/2038	7.10E-01

NOTES:

1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

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FIGURE 24
2,4-D Source Areas and Concentrations
Middle Hydrogeologic Unit (Layer 2 in Model)

GSI ENVIRONMENTAL

N

Start Date	End Date	Concentration
6/1/1960	6/1/1970	7.40E+01
6/1/1970	6/1/1980	6.22E+01
6/1/1980	6/1/1990	5.23E+01
6/1/1990	6/1/2000	4.40E+01
6/1/2000	6/1/2003	3.70E+01
6/1/2003	6/1/2006	3.51E+01
6/1/2006	6/1/2010	3.33E+01
6/1/2010	6/1/2020	3.11E+01
6/1/2020	6/1/2030	2.62E+01
6/1/2030	6/1/2038	2.20E+01

NOTES:
1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

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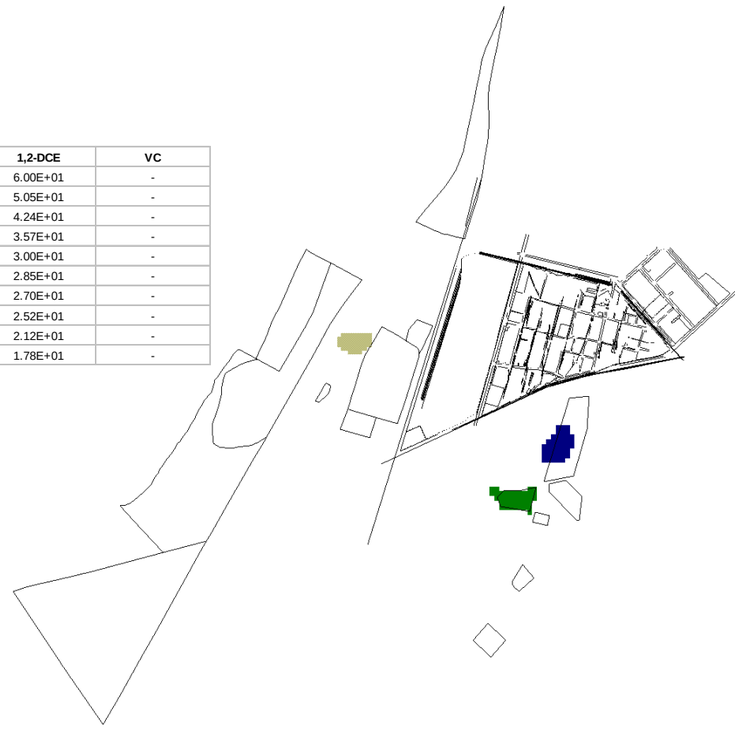
FIGURE 25
Chlorinated Solvents Source Areas and Concentrations
Shallow Hydrogeologic Unit (Layer 1 in Model)

GSI ENVIRONMENTAL

N

Start Date	End Date	PCE	TCE	1,2-DCE	VC
6/1/1960	6/1/1970	6.60E+01	-	6.00E+01	-
6/1/1970	6/1/1980	5.40E+01	-	5.05E+01	-
6/1/1980	6/1/1990	4.80E+01	-	4.24E+01	-
6/1/1990	6/1/2000	3.90E+01	-	3.57E+01	-
6/1/2000	6/1/2003	3.30E+01	-	3.00E+01	-
6/1/2003	6/1/2006	3.12E+01	-	2.85E+01	-
6/1/2006	6/1/2010	2.97E+01	-	2.70E+01	-
6/1/2010	6/1/2020	2.76E+01	-	2.52E+01	-
6/1/2020	6/1/2030	2.34E+01	-	2.12E+01	-
6/1/2030	6/1/2038	1.95E+01	-	1.78E+01	-



Start Date	End Date	PCE	TCE	1,2-DCE	VC
6/1/1960	6/1/1970	1.68E+01	-	1.20E+01	-
6/1/1970	6/1/1980	1.41E+01	-	1.00E+01	-
6/1/1980	6/1/1990	1.17E+01	-	8.50E+00	-
6/1/1990	6/1/2000	9.90E+00	-	7.00E+00	-
6/1/2000	6/1/2003	8.40E+00	-	6.00E+00	-
6/1/2003	6/1/2006	7.98E+00	-	5.75E+00	-
6/1/2006	6/1/2010	7.56E+00	-	5.50E+00	-
6/1/2010	6/1/2020	7.05E+00	-	5.00E+00	-
6/1/2020	6/1/2030	5.94E+00	-	4.25E+00	-
6/1/2030	6/1/2038	4.98E+00	-	3.50E+00	-

Start Date	End Date	PCE	TCE	1,2-DCE	VC
6/1/1960	6/1/1970	-	-	2.02E+00	8.15E-01
6/1/1970	6/1/1980	-	-	1.70E+00	6.85E-01
6/1/1980	6/1/1990	-	-	1.43E+00	5.75E-01
6/1/1990	6/1/2000	-	-	1.20E+00	4.85E-01
6/1/2000	6/1/2003	-	-	1.01E+00	4.05E-01
6/1/2003	6/1/2006	-	-	9.60E-01	3.85E-01
6/1/2006	6/1/2010	-	-	9.10E-01	3.65E-01
6/1/2010	6/1/2020	-	-	8.50E-01	3.40E-01
6/1/2020	6/1/2030	-	-	7.10E-01	2.90E-01
6/1/2030	6/1/2038	-	-	6.00E-01	2.40E-01

NOTES:

1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

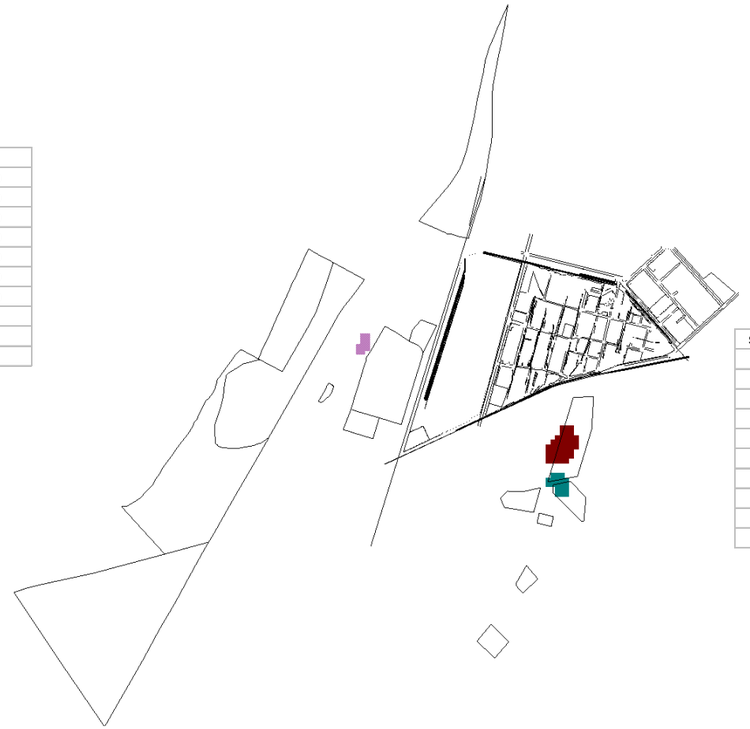
GSI Job No: G-2935
Date Issued: 22-Feb-08

FIGURE 26
Chlorinated Solvents Source Areas and Concentrations
Middle Hydrogeologic Unit (Layer 2 in Model)

GSI ENVIRONMENTAL

N

Start Date	End Date	PCE	TCE	1,2-DCE	VC
6/1/1960	6/1/1970	-	-	2.40E+00	2.35E+00
6/1/1970	6/1/1980	-	-	2.02E+00	1.98E+00
6/1/1980	6/1/1990	-	-	1.70E+00	1.66E+00
6/1/1990	6/1/2000	-	-	1.43E+00	1.40E+00
6/1/2000	6/1/2003	-	-	1.20E+00	1.33E+00
6/1/2003	6/1/2006	-	-	1.14E+00	1.26E+00
6/1/2006	6/1/2010	-	-	1.08E+00	1.77E+00
6/1/2010	6/1/2020	-	-	1.01E+00	9.90E-01
6/1/2020	6/1/2030	-	-	8.50E-01	8.30E-01
6/1/2030	6/1/2038	-	-	7.10E-01	7.20E-01



Start Date	End Date	PCE	TCE	1,2-DCE	VC
6/1/1960	6/1/1970	-	-	5.20E-01	2.70E-01
6/1/1970	6/1/1980	-	-	4.40E-01	2.25E-01
6/1/1980	6/1/1990	-	-	3.70E-01	1.90E-01
6/1/1990	6/1/2000	-	-	3.10E-01	1.60E-01
6/1/2000	6/1/2003	-	-	2.60E-01	1.35E-01
6/1/2003	6/1/2006	-	-	2.50E-01	1.25E-01
6/1/2006	6/1/2010	-	-	2.30E-01	1.20E-01
6/1/2010	6/1/2020	-	-	2.20E-01	1.15E-01
6/1/2020	6/1/2030	-	-	1.80E-01	9.50E-02
6/1/2030	6/1/2038	-	-	1.50E-01	8.00E-02

Start Date	End Date	PCE	TCE	1,2-DCE	VC
6/1/1960	6/1/1970	-	-	1.04E-01	-
6/1/1970	6/1/1980	-	-	8.75E-02	-
6/1/1980	6/1/1990	-	-	7.40E-02	-
6/1/1990	6/1/2000	-	-	6.25E-02	-
6/1/2000	6/1/2003	-	-	5.20E-02	-
6/1/2003	6/1/2006	-	-	5.00E-02	-
6/1/2006	6/1/2010	-	-	4.60E-02	-
6/1/2010	6/1/2020	-	-	4.40E-02	-
6/1/2020	6/1/2030	-	-	3.60E-02	-
6/1/2030	6/1/2038	-	-	3.00E-02	-

NOTES:

1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI Job No: G-2935
Date Issued: 22-Feb-08

FIGURE 27
Chlorinated Solvents Source Areas and Concentrations
Deep Hydrogeologic Unit (Layer 3 in Model)

GSI ENVIRONMENTAL

N

Start Date	End Date	PCE	TCE	1,2-DCE	VC
6/1/1960	6/1/1970	-	-	2.06E+01	-
6/1/1970	6/1/1980	-	-	1.70E+01	-
6/1/1980	6/1/1990	-	-	1.43E+01	-
6/1/1990	6/1/2000	-	-	1.20E+01	-
6/1/2000	6/1/2003	-	-	1.01E+01	-
6/1/2003	6/1/2006	-	-	9.56E+00	-
6/1/2006	6/1/2010	-	-	9.08E+00	-
6/1/2010	6/1/2020	-	-	8.47E+00	-
6/1/2020	6/1/2030	-	-	7.13E+00	-
6/1/2030	6/1/2038	-	-	5.99E+00	-

Start Date	End Date	PCE	TCE	1,2-DCE	VC
6/1/1960	6/1/1970	-	-	-	2.76E+00
6/1/1970	6/1/1980	-	-	-	2.32E+00
6/1/1980	6/1/1990	-	-	-	1.94E+00
6/1/1990	6/1/2000	-	-	-	1.64E+00
6/1/2000	6/1/2003	-	-	-	1.38E+00
6/1/2003	6/1/2006	-	-	-	1.30E+00
6/1/2006	6/1/2010	-	-	-	1.24E+00
6/1/2010	6/1/2020	-	-	-	1.16E+00
6/1/2020	6/1/2030	-	-	-	9.80E-01
6/1/2030	6/1/2038	-	-	-	8.20E-01

NOTES:

1. Colored region represents the final source area assigned in the transport model. All concentrations in mg/L.
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

2006

N

MISSISSIPPI RIVER

P

R

O

LOT F

W. G. K

Q NORTH

S

Q CENTRAL

Q SOUTH

I

G

H

L

M

N

0.1

1.0

10.0

100.0

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Model was run from 1950 to 2006 using an infiltration rate of 7.3 in/yr, dispersivity of 32 ft, no biodegradation or retardation, and with the GMCS barrier wall in place throughout the simulation, but the GMCS pumping wells turning on in December 2004. Based on historical potentiometric surface maps, the River Ranney well was placed approximately 3000 ft north of Site R. The Plant Ranney wells were placed north of the W.G. Krummrich employee parking lot.

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 2**

Qualitative Calibration: Case 1

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

GSI Job No: G-2935
Date Issued: 22-Feb-08

FIGURE 28
Mass Flux Zone Budget Zones
Shallow Hydrogeologic Unit (Layer 1 in Model)

NOTES:

1. Colored region represents the ZoneBudget zone used in the model to calculate the transfer of water from the area under the Site to the river .
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI Job No: G-2935
Date Issued: 22-Feb-08

FIGURE 29
Mass Flux Zone Budget Zones
Middle Hydrogeologic Unit (Layer 2 in Model)

NOTES:

1. Colored region represents the ZoneBudget zone used in the model to calculate the transfer of water from the area under the Site to the river .
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI Job No: G-2935
Date Issued: 22-Feb-08

FIGURE 30
Mass Flux Zone Budget Zones
Deep Hydrogeologic Unit (Layer 3 in Model)

NOTES:

1. Colored region represents the ZoneBudget zone used in the model to calculate the transfer of water from the area under the Site to the river .
2. Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

2006

N

MISSISSIPPI RIVER

P

R

O

LOT F

W. G. K

S

Q NORTH

Q CENTRAL

Q SOUTH

I

G

H

L

M

N

0.1

1.0

10.0

100.0

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Model was run from 1950 to 2006 using an infiltration rate of 7.3 in/yr, dispersivity of 32 ft, no biodegradation or retardation, and with the GMCS barrier wall in place throughout the simulation, but the GMCS pumping wells turning on in December 2004. Based on historical potentiometric surface maps, the River Ranney well was placed approximately 3000 ft north of Site R. The Plant Ranney wells were placed north of the W.G. Krummrich employee parking lot.

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 3**

Qualitative Calibration: Case 1

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-7-S <0.0005
OSAA-1-S <0.0005
UAA-5-S <0.0005
AA-P-10-S <0.0005
AA-P-6-S <0.0005
P
UAA-11-S <0.0005
SA-P-1-S <0.0005
SA2-MW-3-S <0.0005
SA-P-2-S 0.0087
SA2-MW-1-S <0.0005
UAA-6-S <0.0005
AA-P-9-S <0.0005
SA-P-3-S <0.0005
B-22A 1.7
SA2-MW-2-S <0.0005
GM-11 <0.0005
B-24A 1
R
GM-60A 0.001
GM-4A <0.0005
GM-1 <0.0005
AA-CLAY-1-S <0.001
GM-15 0.16
GM-46 7.9
B-25B 12
GM-5A <0.0005
W. G. K
LOT F
GM-19A 0.016
SA-O-3-S 0.022
GM-9A <0.0005
CA-3 0.19
B-29B 1.2
Q NORTH
SA-S-2-S <0.0005
S
O
GM-7A <0.0005
GM-2 5.1
AA-O-5-S <0.0005
AA-Q-9-S 0.009
GM-59A <0.0005
UAA-8-S <0.0005
GM-8 0.001
I
SA-Q-6-S 0.28
SA2-MW-5-S <0.0005
UAA-7-S <0.0005
EEG-107 2.6
H
03 0.016
UAA-9-S <0.0005
Q CENTRAL
G
TCMW-6S <0.0025
TCMW-4 <0.0025
L
TCMW-2 <0.0025
TCMW-5S <0.0025
SA2-MW-9-S <0.0005
CP-MW-6-S <0.0005
UAA-10-S <0.0005
PIEZ-7S <0.0005
SA-Q-11-S <0.0005
CP-MW-8-S <0.025
CP-MW-7-S <0.0005
M
CP-MW-10-S <0.0005
Q SOUTH
SA-Q-10-S <0.0005
CP-MW-12-S <0.0005
SA-Q-13-S <0.0005
N
CP-MW-13-S <0.025
SA-Q-15-S <0.0005
AA-Q-10-S 0.0008
CP-MW-14-S <0.025
CP-MW-15-S <0.01
CP-MW-16-S 0.0006
MISSISSIPPI RIVER

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Chlorobenzene Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 31**

Calibrated Chlorobenzene Plume

Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-M
<0.0005

AA-P-7-M
<0.0005

OSAA-1-M
<0.0005

UAA-5-M
<0.0005

AA-P-10-M
0.003

0.1

PSMW-14M
<0.0005

AA-P-6-M
<0.0005

AA-P-5-M
0.0068

P

AA-P-4-M
0.0007

UAA-11-M
0.0049

PSMW-15M
<0.0005

SA2-MW-1-M
<0.0005

UAA-6-M
0.0048

AA-SLAY-3-M
<0.0005

SA2-MW-3-M
<0.0005

AA-SLAY-1-M
0.011

AA-P-9-M
0.09

GM-27B
1.6

SA2-MW-2-M
0.023

10

B-24C
3

GM-60B
0.58

MW-3B
39

GM-10B
5.4

R

AA-O-4-M
8.6

MW-5B
15

B-28B
1.2

SA2-MW-4-M
0.29

LOT
F

W. G. K

MISSISSIPPI RIVER

SA-Q-2
0.007

AA-CLAY-2-M
5.2

10

100

10

GM-9B
0.22

Q
NORTH

1

O

S

AA-O-5-M
0.0089

AA-Q-9-M
<0.0005

GM-31B
0.16

UAA-8-M
<0.0005

SA2-MW-7-M
0.0007

SA-Q-4
0.036

SA2-MW-5-M
<0.0005

UAA-7-M
<0.0005

I

100

IMW-1S
<0.0025

SA-Q
0.5

Q
CENTRAL

UAA-9-M
<0.0005

TCMW-6M
<0.0025

G

EE-01
2.4

L

H

TCMW-1M
<0.0025

TCMW-5M
0.0047

TCMW-3M
0.0011

SA2-MW-9-M
<0.0005

CP-MW-24
<0.0005

UAA-10-M
<0.0005

M

PIEZ-7M
<0.0005

SA2-MW-10-M
0.0068

CP-MW-22
<0.0005

Q SOUTH

N

CP-MW-20
<0.0005

CP-MW-18
<0.0005

SCALE (ft)
0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Chlorobenzene Concentrations

- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 32**

Calibrated Chlorobenzene Plume

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-D
<0.0005

AA-P-7-D
<0.0005

OSAA-1
0.17

UAA-5-D
0.9

AA-P-10-D
0.28

AA-P-6-D
0.29

AA-P-5-D
0.56

0.1

AA-P-4-D
0.63

P

PSMW-6
0.31

UAA-11-D
0.17

AA-SLAY-3-D
0.23

AA-SLAY-2-D
1.1

UAA-6-D
0.052

PSMW-11
1.4

1

AA-P-9-D
0.7

GM-27C
1.3

PSMW-16D
2.3

10

PSMW-12
1.4

MW-3C
0.48

GM-4B
22

PSMW-4
32

PSMW-2
0.52

R

AA-CLAY-1-D
11

AA-O-4-D
22

MW-5C
1.2

GM-17B
4.4

W. G. K

GM-12B
<0.05

PSMW-17
0.92

SA2-MW-4-D
3.1

10

LOT

F

MW-7C
7.9

GM-20B
5.5

AA-CLAY-2-D
4.8

M-6B
22

GM-9C
0.043

MISSISSIPPI RIVER

Q
NORTH

GM-19C
1.8

PSMW-13
0.011

S

O

AA-Q-9-D
<0.0005

GM-31C
0.97

AA-O-5-D
0.27

PSMW-9
0.0024

UAA-8-D
<0.0005

UAA-7-D
<0.0005

I

Q
CENTRAL

UAA-9-D
<0.0005

G

H

L

UAA-10-D
<0.0005

M

Q SOUTH

N

AA-Q-10-D
<0.0005

SCALE (ft)

0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Chlorobenzene Concentrations

- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

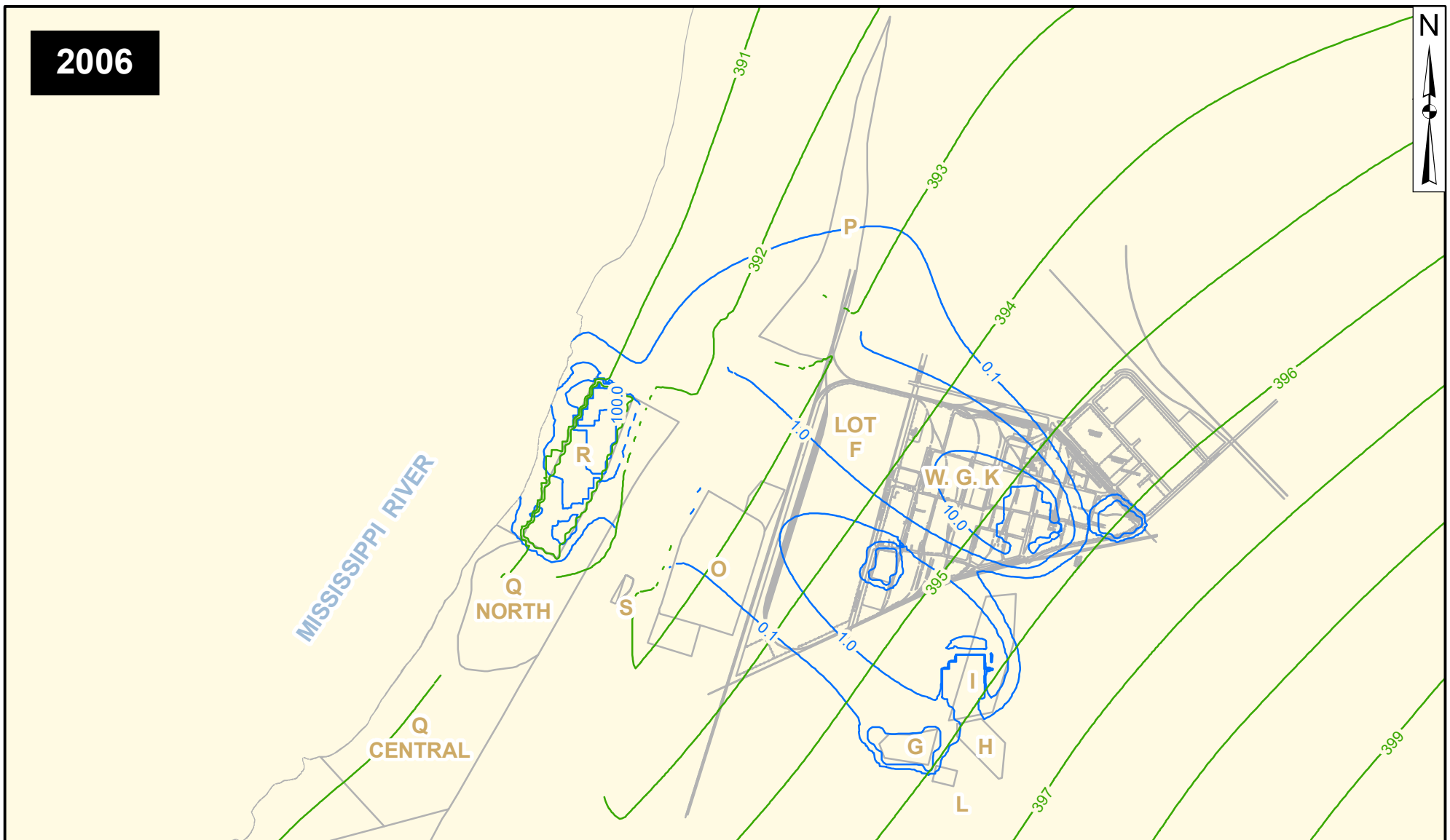
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 33**

Calibrated Chlorobenzene Plume

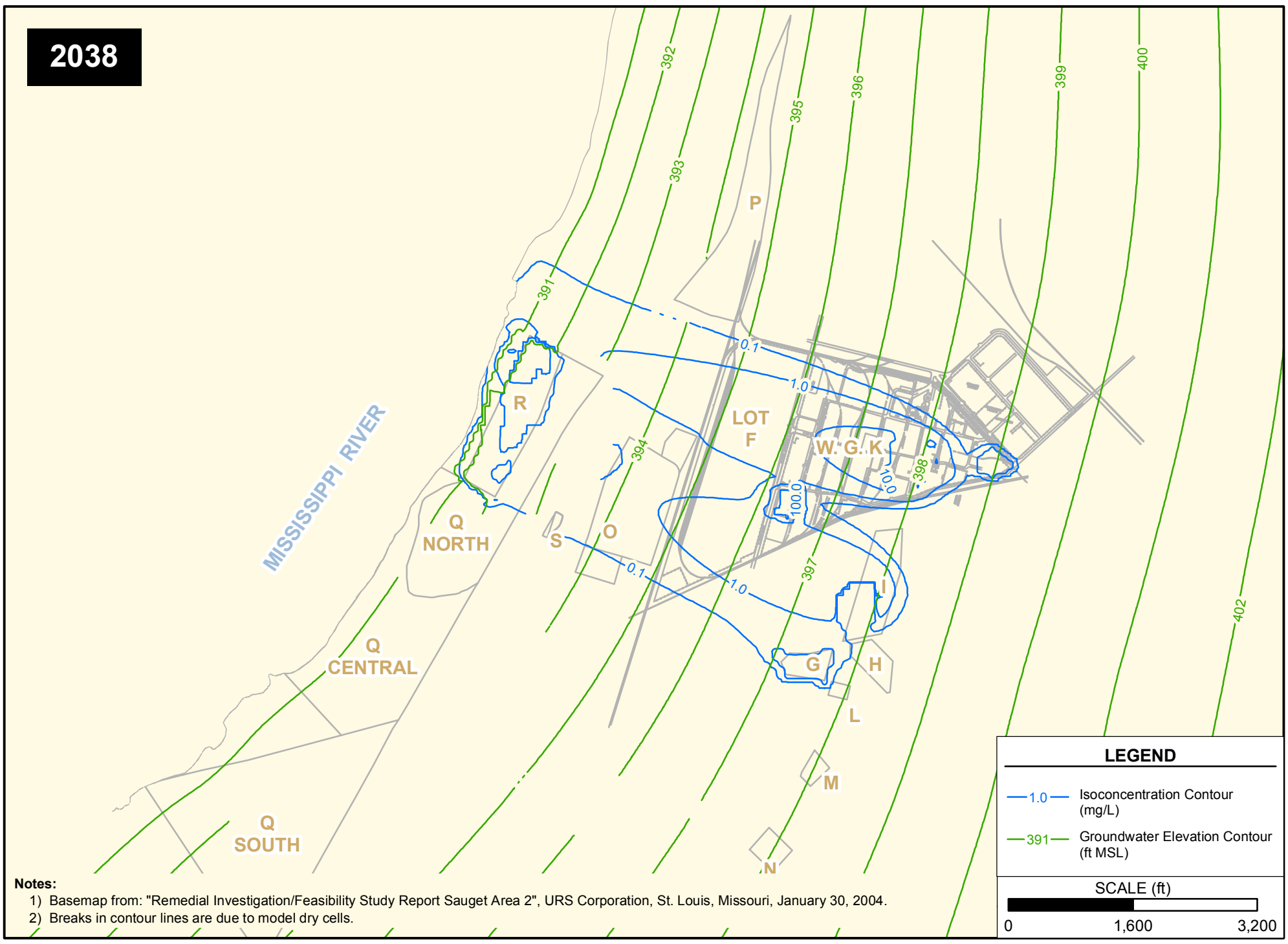
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Breaks in contour lines are due to model dry cells.

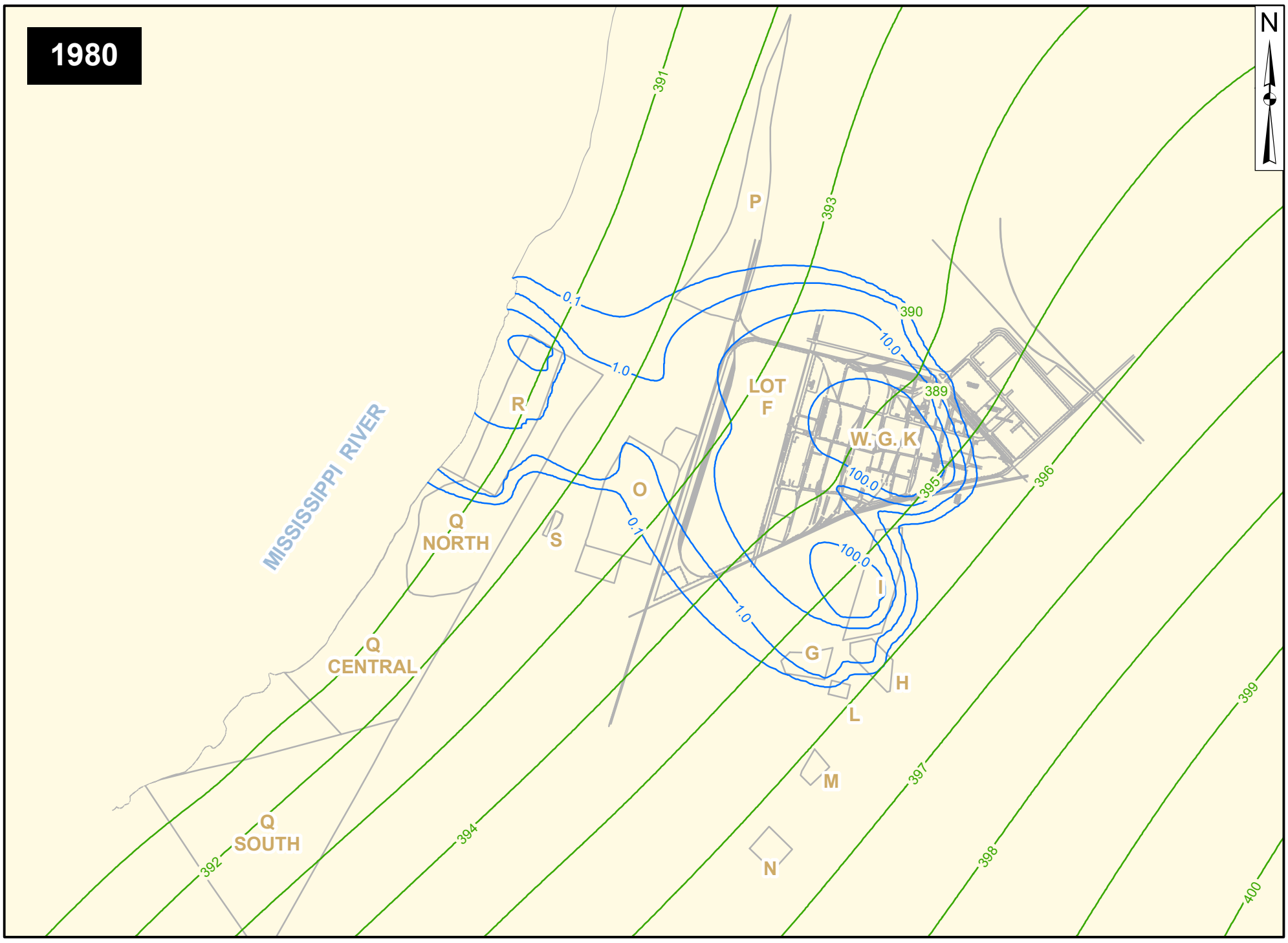
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 34**

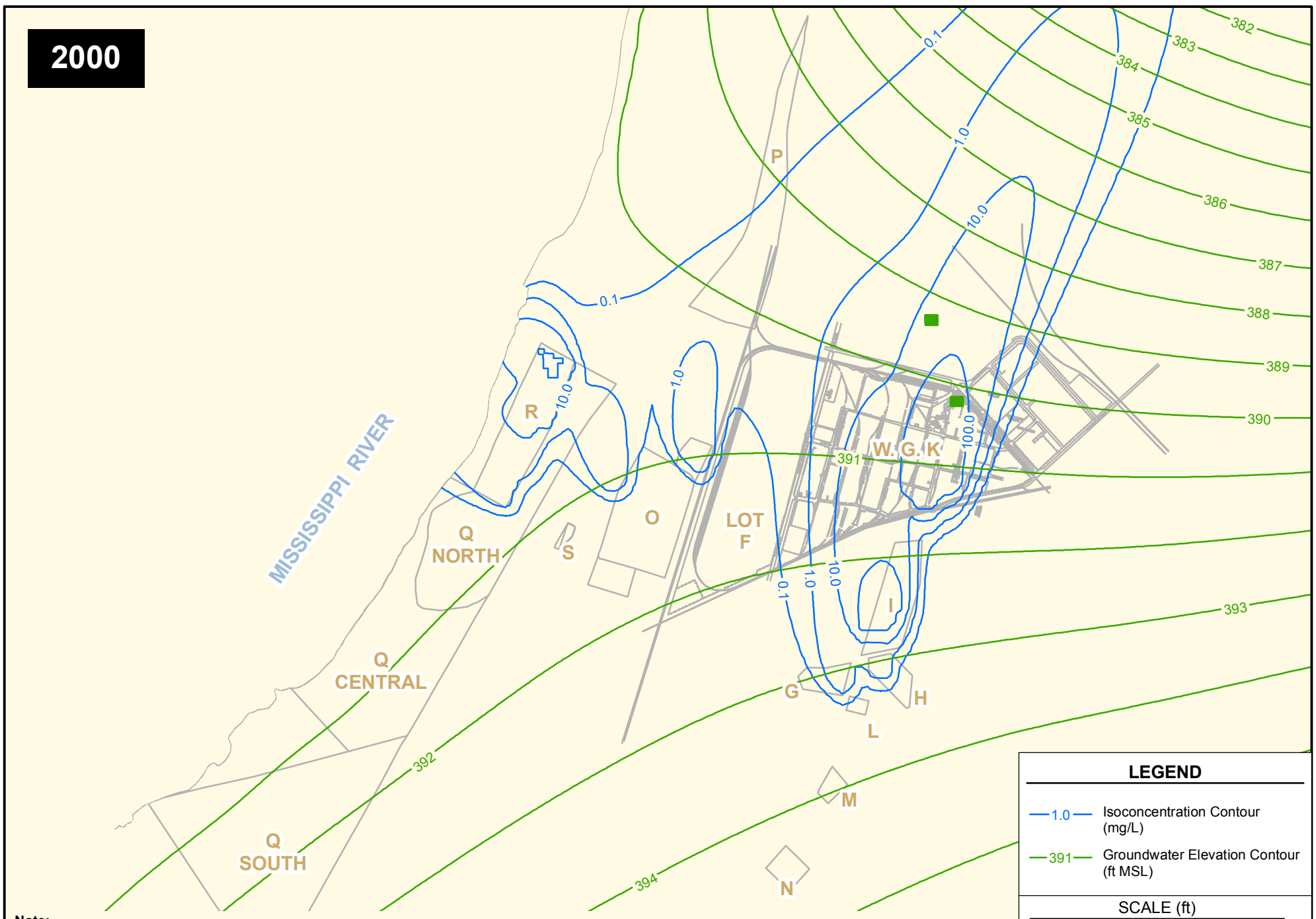
Simulated Chlorobenzene Plume
Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

1980



2000



LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,600 3,200

Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

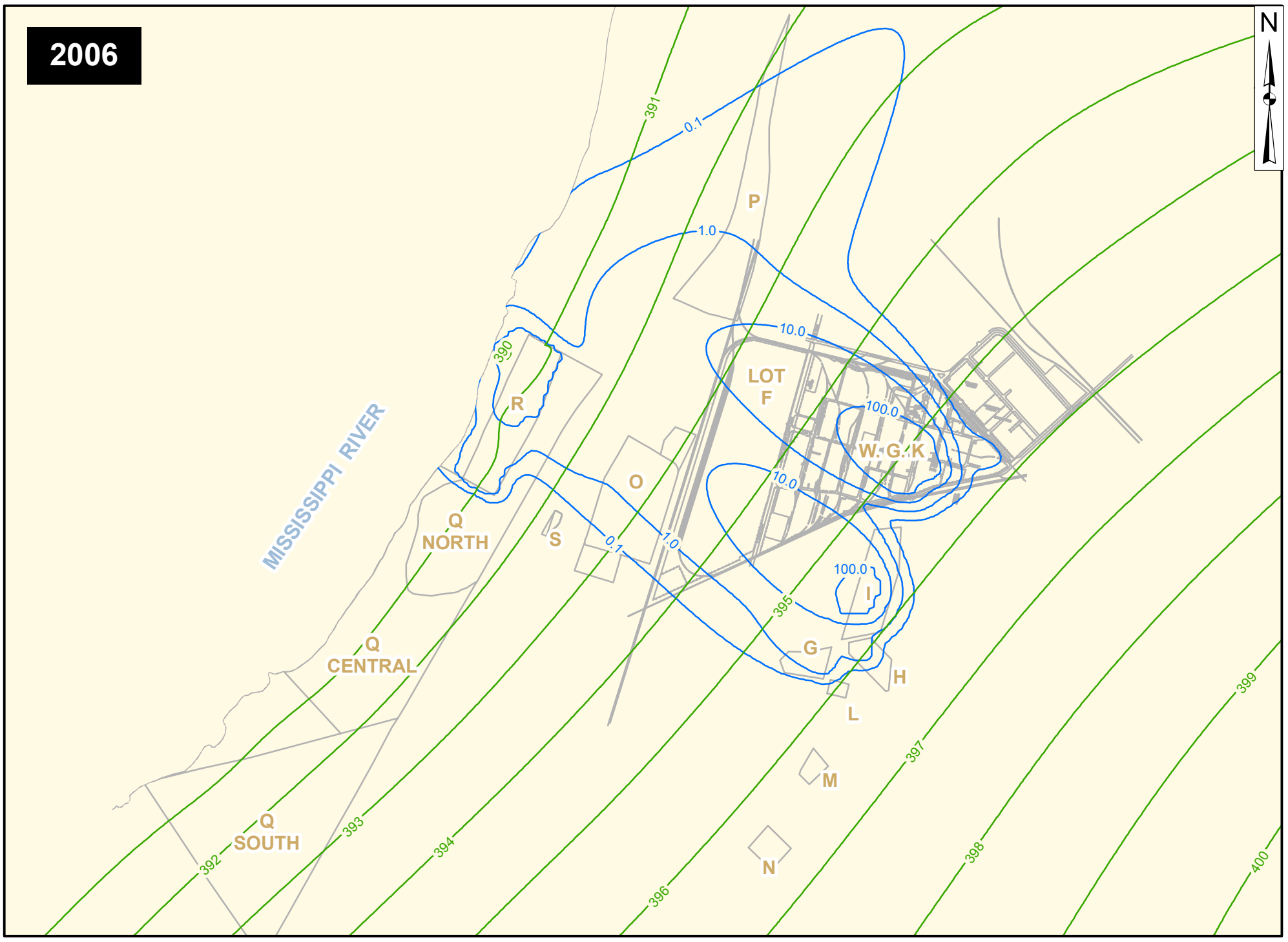
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 35**

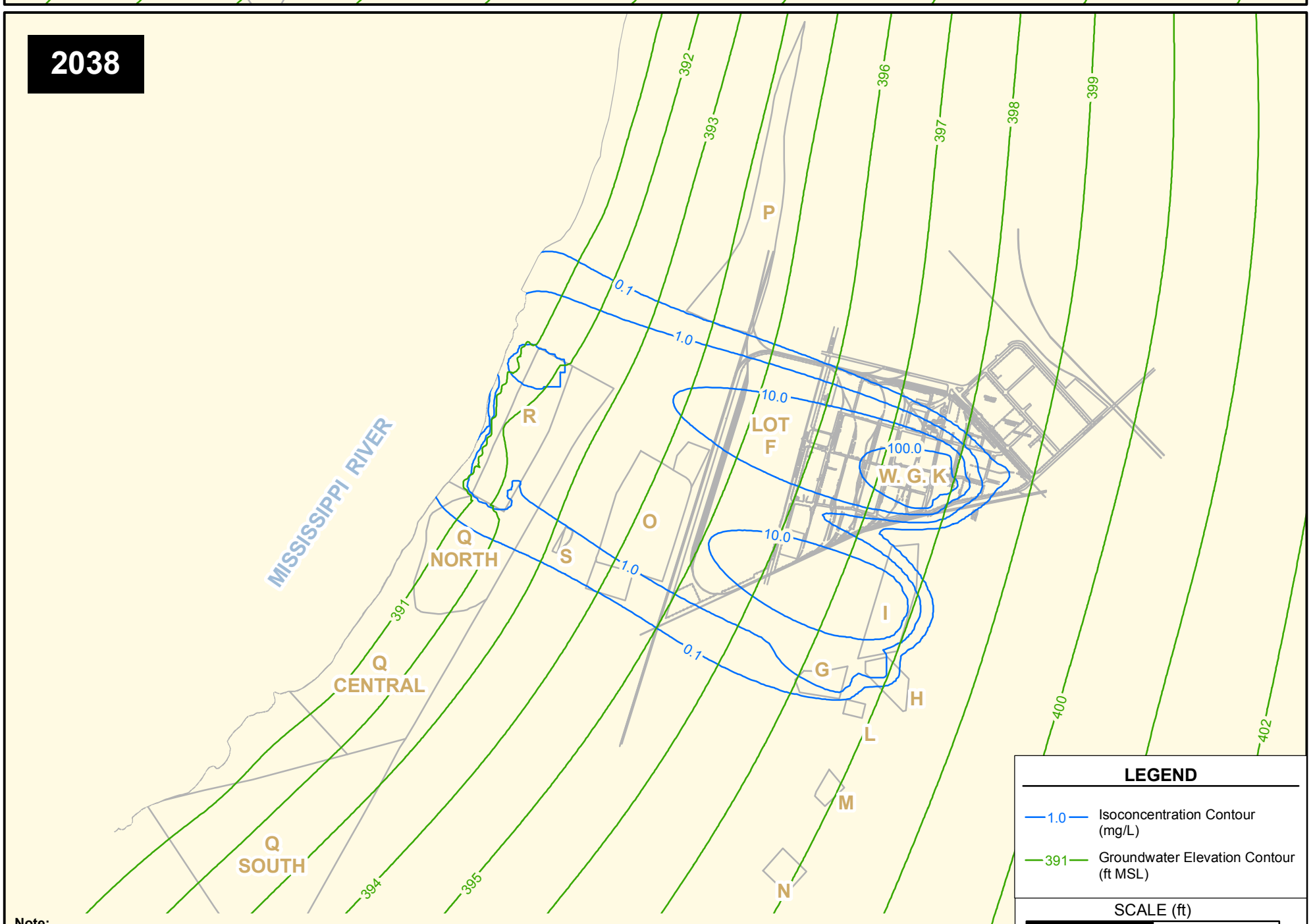
Simulated Chlorobenzene Plume
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,600 3,200

Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

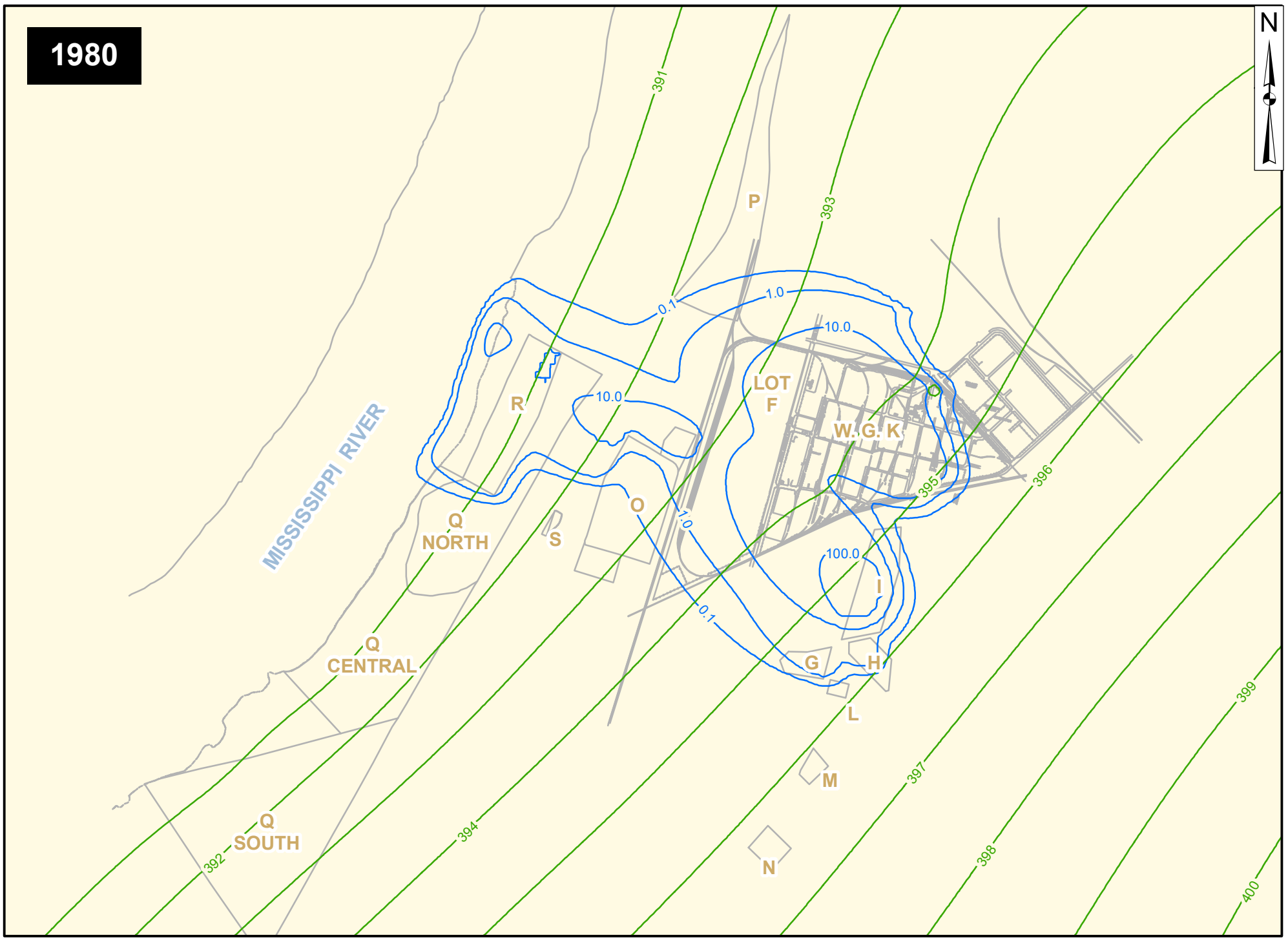
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 36**

Simulated Chlorobenzene Plume

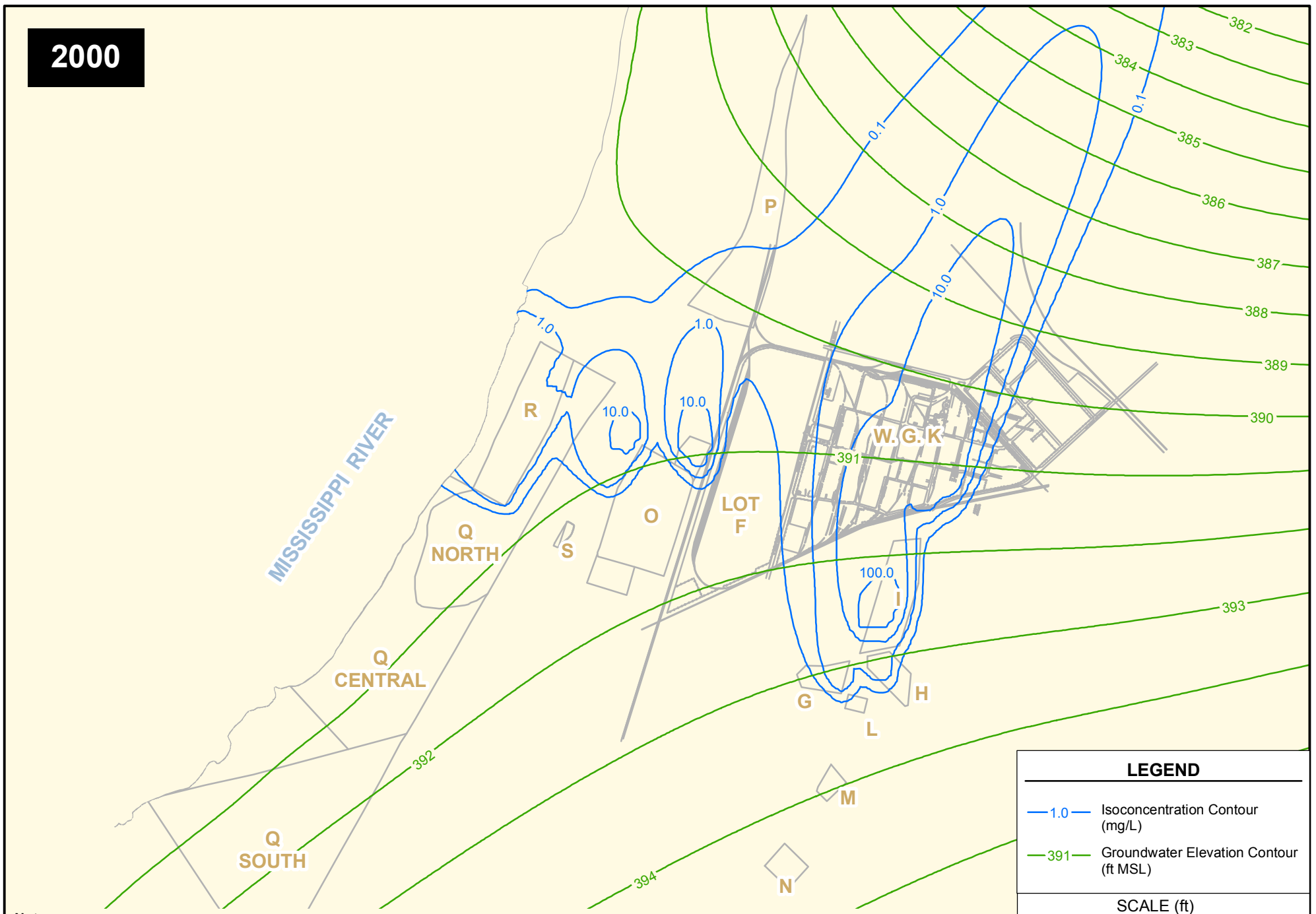
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

1980



2000



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

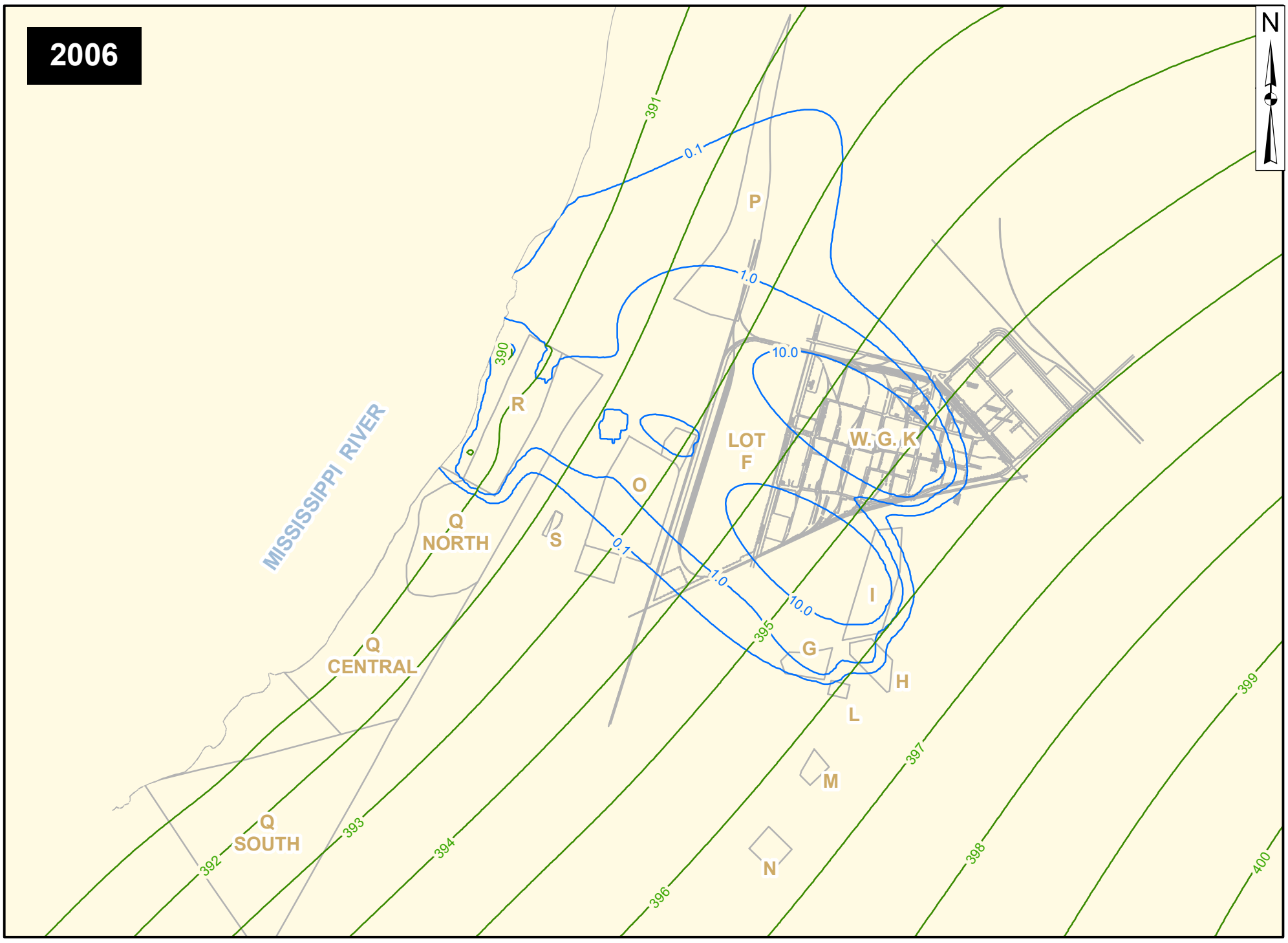
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 37**

Simulated Chlorobenzene Plume

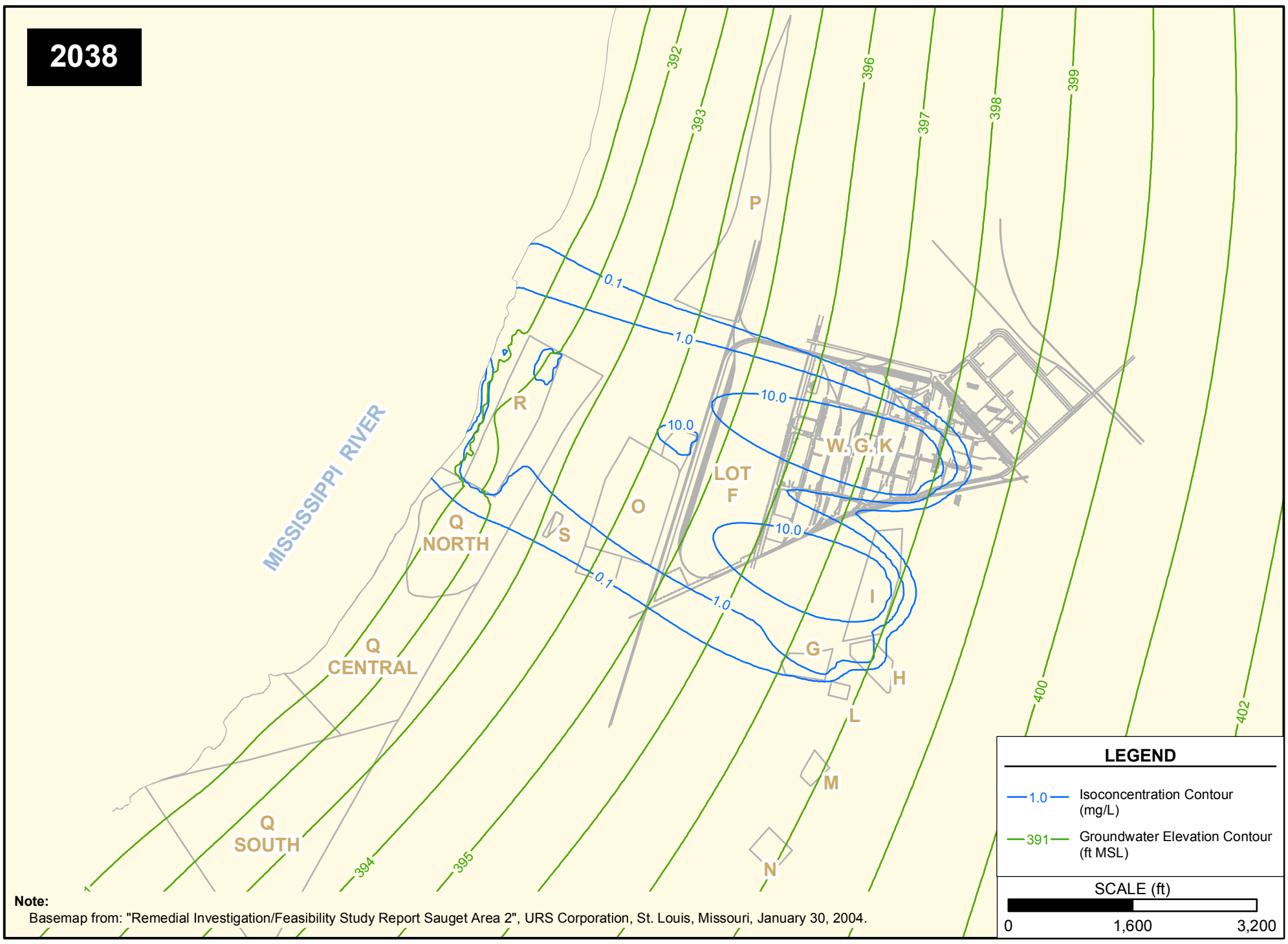
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

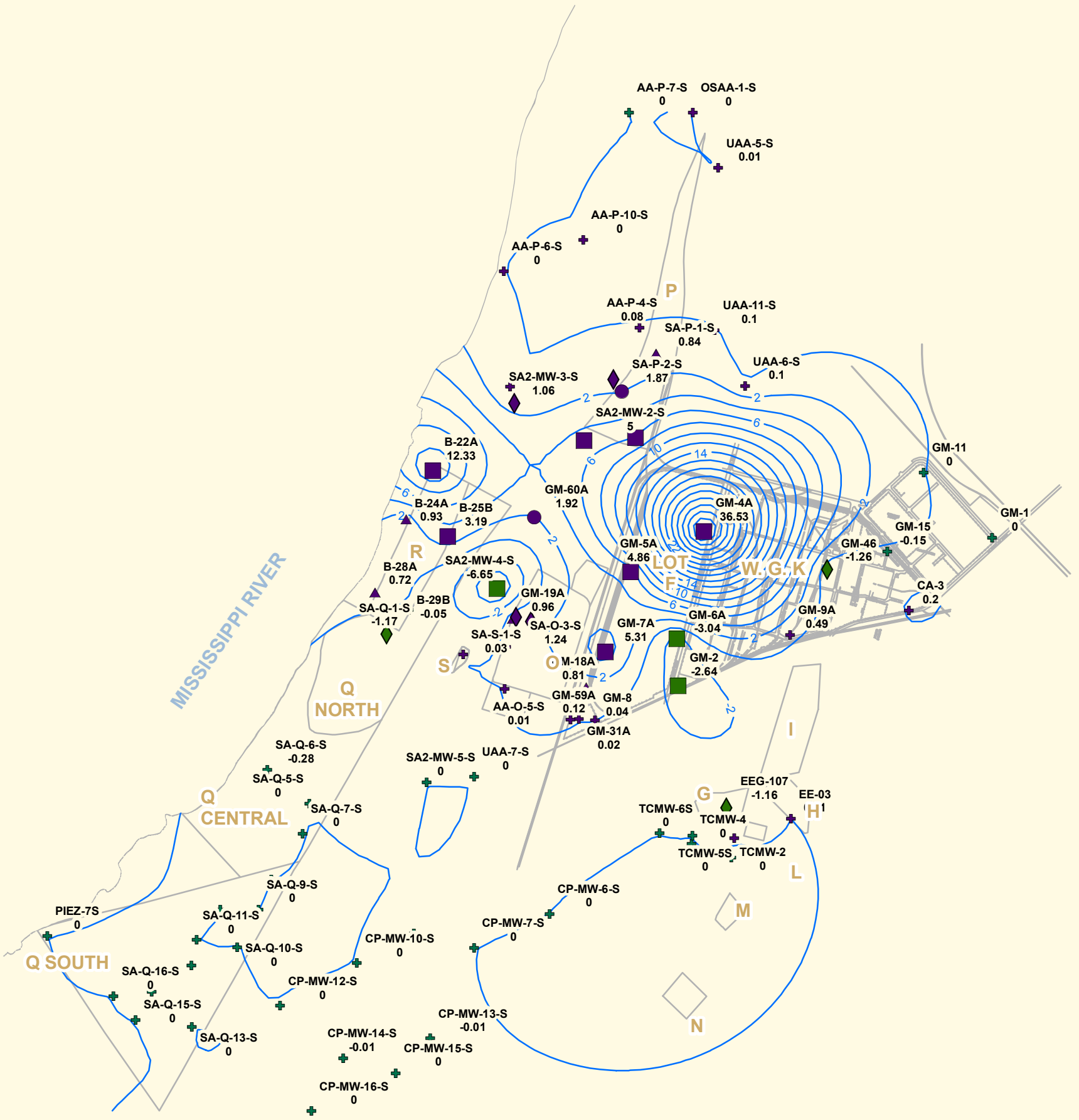
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 38**

Simulated Chlorobenzene Plume

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 39**

Spatial Correlation Between Simulated and Measured Concentrations

Chlorobenzene: Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006

N

MISSISSIPPI RIVER

P

R

O

LOT F

W. G. K

Q NORTH

S

Q CENTRAL

Q SOUTH

I

G

H

L

M

N

0.1

1.0

10.0

10.0

10.0

100.0

1.0

0.1

10.0

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) River Ranney well was moved to a location 600 ft north of Site R. The North Plant Ranney well was relocated to the northwestern tip of the parking lot while the South Ranney well was relocated inside the plant. Model run with no retardation and no biodegradation.

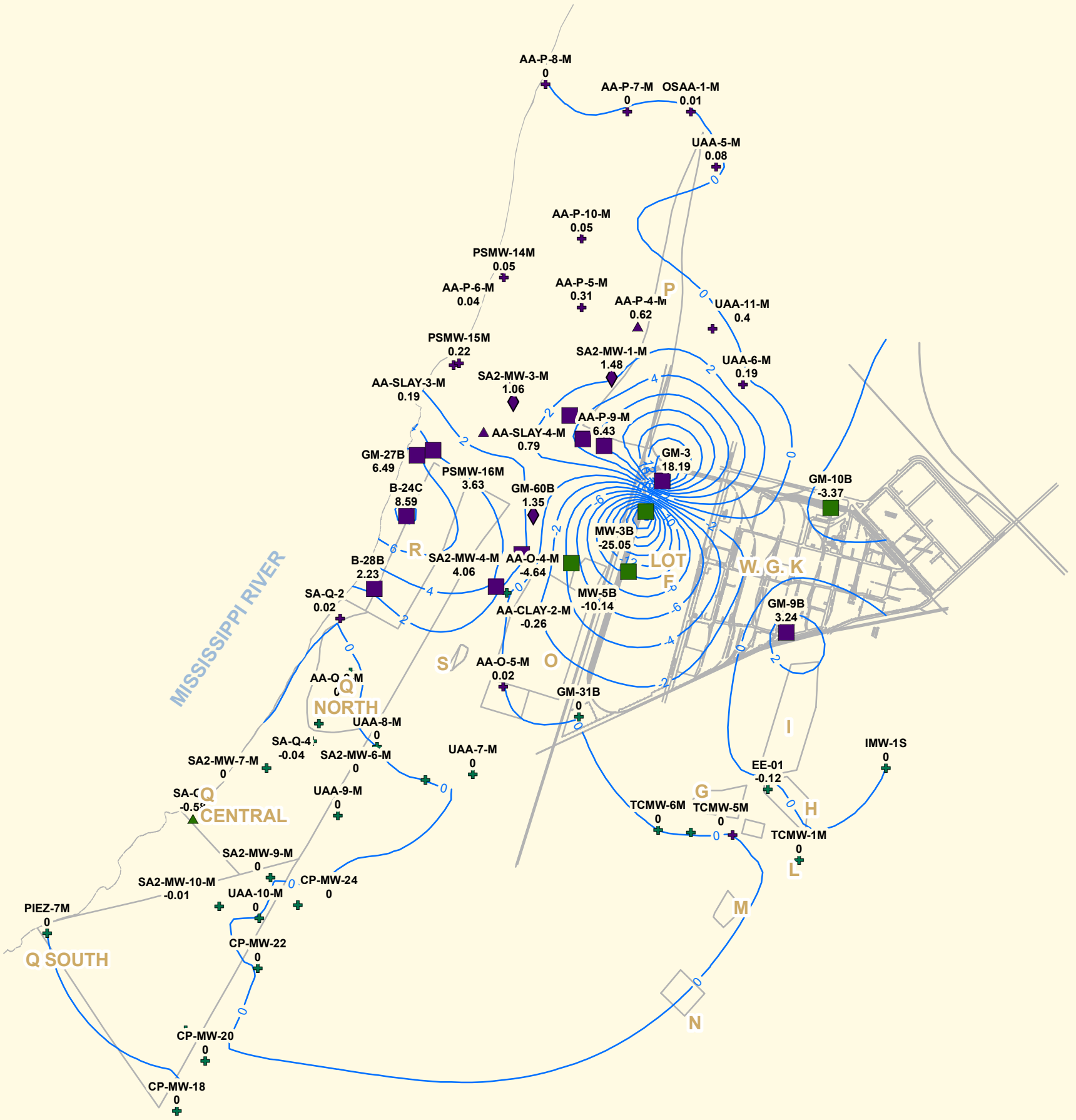
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 4**

Qualitative Calibration: Case 2

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

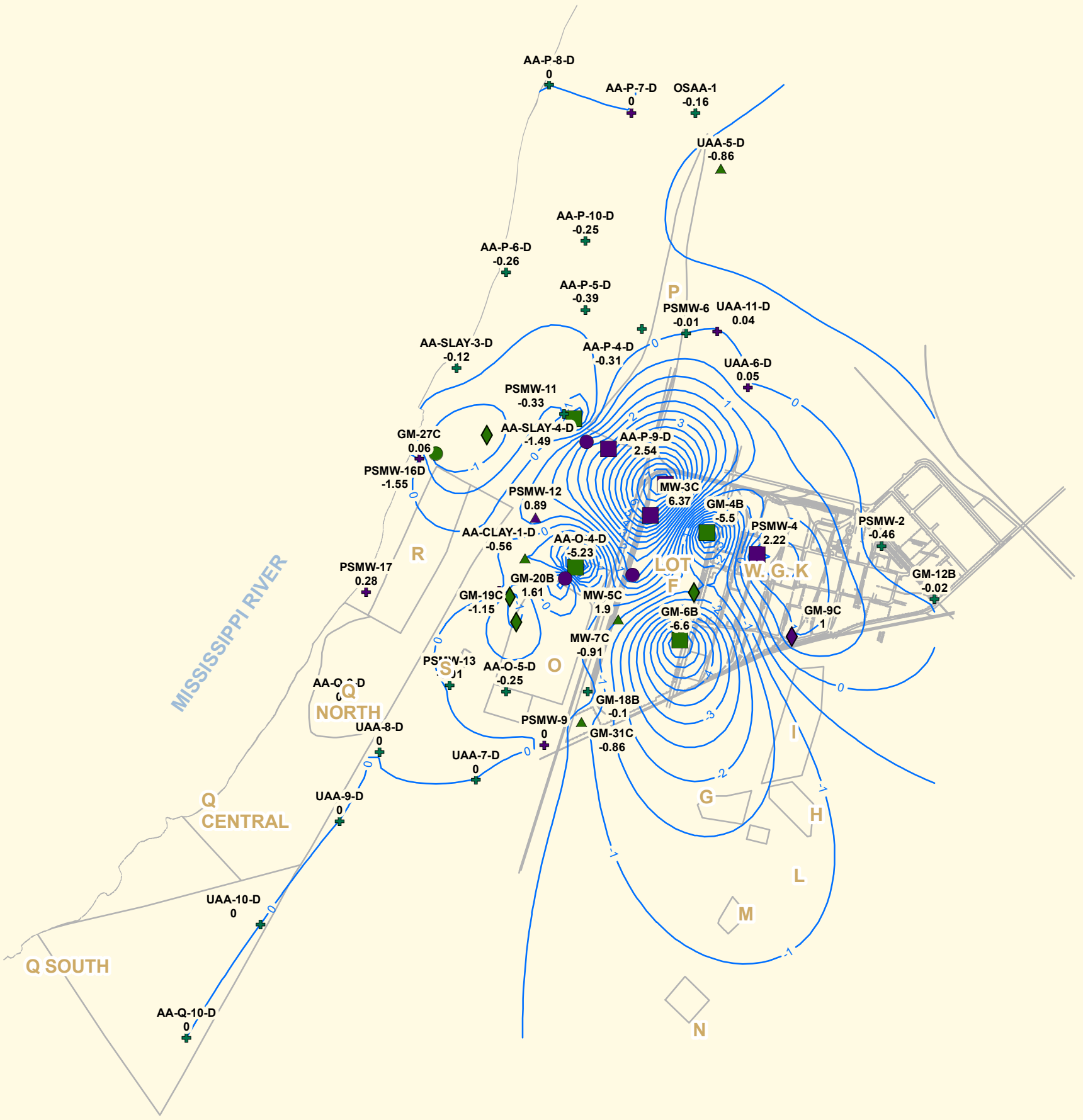
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 40**

Spatial Correlation Between Simulated and Measured Concentrations

Chlorobenzene: Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 41**

Spatial Correlation Between Simulated and Measured Concentrations

Chlorobenzene: Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-7-S <0.005
OSAA-1-S <0.0048
UAA-5-S <0.0048
AA-P-10-S <0.0047
AA-P-6-S <0.005
P
UAA-11-S <0.0048
SA-P-1-S <0.0047
SA-P-2-S <0.355
UAA-6-S <0.0048
SA2-MW-3-S <0.005
SA-P-3-S <0.0047
AA-P-9-S <0.0046
B-22A 0.3
SA2-MW-2-S <0.0048
GM-11 <0.0047
B-24A <1.2
B-25B <2.4
R
B-25A <2.4
GM-60A 0.0014
AA-CLAY-1-S <0.0093
GM-5A <0.0047
GM-4A <0.0047
GM-15 0.014
GM-46 1.7
GM-1 <0.0047
W, G, K
LOT F
CA-3 <0.0047
GM-19A 0.0014
GM-33 <0.0048
GM-9A 0.0014
MISSISSIPPI RIVER
B-29B
Q
NORTH
SA-S-2-S <0.0048
SA-O-4-S 0.0026
O
S
GM-7A <0.0048
PSMW-5 <2.5
GM-2 1.1
AA-Q-9-S <0.0048
GM-59A <0.0047
GM-8 <0.005
AA-O-5-S <0.0048
UAA-8-S <0.0048
GM-31A <0.0049
I
SA-Q-6-S 0.0063
SA2-MW-5-S <0.0047
UAA-7-S <0.0048
EEG-107 1.1
H
EE-03 0.021
Q
CENTRAL
UAA-9-S <0.0046
G
L
TCMW-6S <0.005
TCMW-2 <0.005
TCMW-4 <0.0047
SA2-MW-9-S <0.0049
SA2-MW-10-S <0.0047
UAA-10-S <0.0048
CP-MW-6-S <0.0047
M
PIEZ-7S <0.0048
CP-MW-8-S <0.0048
CP-MW-7-S <0.0047
SA-Q-10-S <0.0047
SA-Q-12-S <0.0048
CP-MW-10-S <0.0049
Q SOUTH
SA-Q-16-S <0.005
CP-MW-12-S <0.0048
N
SA-Q-13-S <0.0048
CP-MW-13-S <0.0047
SA-Q-15-S <0.0047
AA-Q-10-S <0.0049
CP-MW-14-S <0.0047
CP-MW-15-S <0.0047
CP-MW-16-S <0.005

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed 1,4-Dichlorobenzene Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 42**

Calibrated 1,4-Dichlorobenzene Plume

Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-M
<0.0048

AA-P-7-M
<0.0055

OSAA-1-M
<0.0048

UAA-5-M
<0.0048

AA-P-10-M
<0.0048

AA-P-6-M
<0.006

PSMW-14M
<0.0005

AA-P-5-M
<0.0048

AA-P-4-M
<0.0048

UAA-11-M
<0.0047

PSMW-15M
<0.0005

SA2-MW-1-M
<0.0048

UAA-6-M
<0.0047

AA-SLAY-3-M
<0.0048

SA2-MW-3-M
<0.005

AA-SLAY-4-M
<0.005

AA-P-9-M
<0.0048

PSMW-16M
<0.0005

SA2-MW-2-M
<0.0047

GM-3
<0.0049

GM-10B
0.61

B-24C
0.1

GM-60B
0.033

MW-3B
0.0055

AA-CLAY-1-M
<0.0099

B-28B
0.038

AA-CLAY-2-M
0.34

SA-O-1
<0.0047

PSMW-1
<0.02

SA-Q-2
0.0033

SA2-MW-4-M
0.032

MW-5B
0.035

PSMW-8
0.0067

GM-9B
<0.0048

AA-O-5-M
<0.0048

GM-31B
<0.0048

AA-Q-9-M
<0.005

UAA-8-M
<0.0048

SA2-MW-7-M
<0.0047

SA2-MW-6-M
<0.0047

UAA-7-M
<0.0046

SA2-MW-5-M
<0.0047

IMW-1S
<0.0049

EE-01
6

UAA-9-M
<0.0048

TCMW-6M
<0.005

TCMW-5M
<0.0048

TCMW-1M
<0.0047

SA2-MW-9-M
<0.0048

CP-MW-24
<0.0047

UAA-10-M
<0.0048

PIEZ-7M
<0.0047

SA2-MW-10-M
<0.0047

CP-MW-22
<0.0047

TCMW-3M
0.0014

CP-MW-20
<0.0048

CP-MW-18
<0.0047

MISSISSIPPI RIVER

P

R

LOT F

W. G. K

Q NORTH

S

O

I

H

G

L

M

N

Q CENTRAL

Q SOUTH

0.1

1

10

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed 1,4-Dichlorobenzene Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 43**

Calibrated 1,4-Dichlorobenzene Plume

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-D
<0.005

AA-P-7-D
<0.0055

OSAA-1
<0.0047

UAA-5-D
0.074

AA-P-10-D
<0.0047

AA-P-6-D
<0.0055

AA-P-5-D
<0.0048

P

PSMW-6
0.038

UAA-11-D
0.04

AA-SLAY-3-D
<0.005

AA-P-4-D
0.027

UAA-6-D
0.0067

PSMW-11
<0.01

AA-SLAY-2-D
<0.005

AA-P-9-D
0.0049

GM-27C
0.025

SA2-MW-2-D
0.0026

PSMW-7
<0.0025

PSMW-16D
0.09

PSMW-12
0.52

MW-3C
0.0012

GM-4B
1.9

PSMW-4
6.4

PSMW-2
<0.02

PSMW-3
11

R

AA-CLAY-1-D
0.46

LOT

F

MW-5C
0.24

GM-20B
1.3

GM-17B
0.18

W. G. K

GM-12B
<0.0048

PSMW-17
0.17

MISSISSIPPI RIVER

GM-19C
0.26

MW-7C
0.39

GM-6B
0.17

GM-9C
<0.0048

Q
NORTH

0.1

O

10

PSMW-13
<0.00

S

AA-Q-9-D
<0.005

GM-31C
<0.0048

AA-O-5-D
<0.0048

PSMW-9
<0.0005

UAA-8-D
<0.0049

1

I

UAA-7-D
<0.0047

10

Q
CENTRAL

UAA-9-D
<0.0048

H

G

L

UAA-10-D
<0.0048

M

Q SOUTH

N

AA-Q-10-D
<0.0048

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed 1,4-Dichlorobenzene Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

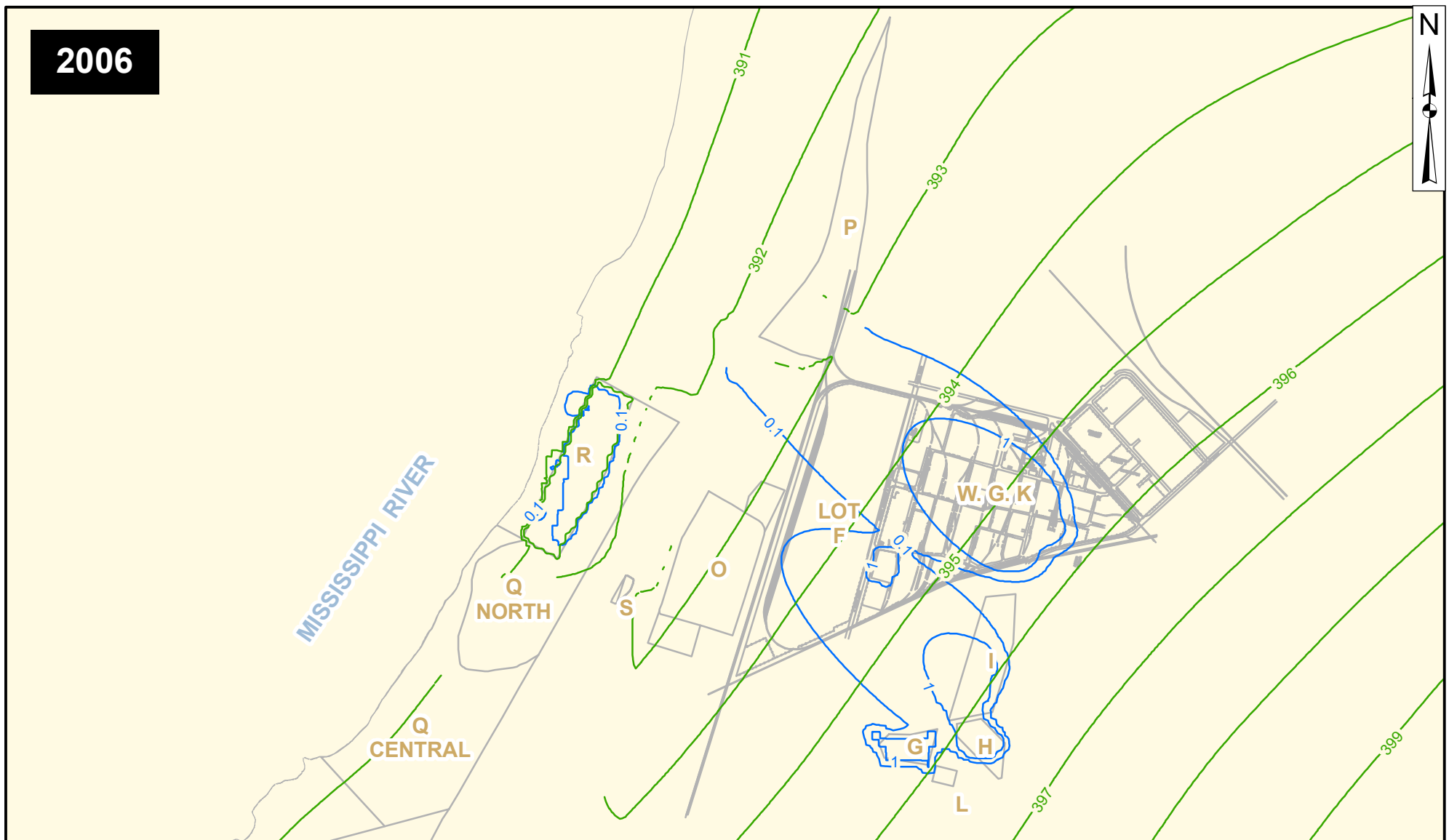
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 44**

Calibrated 1,4-Dichlorobenzene Plume

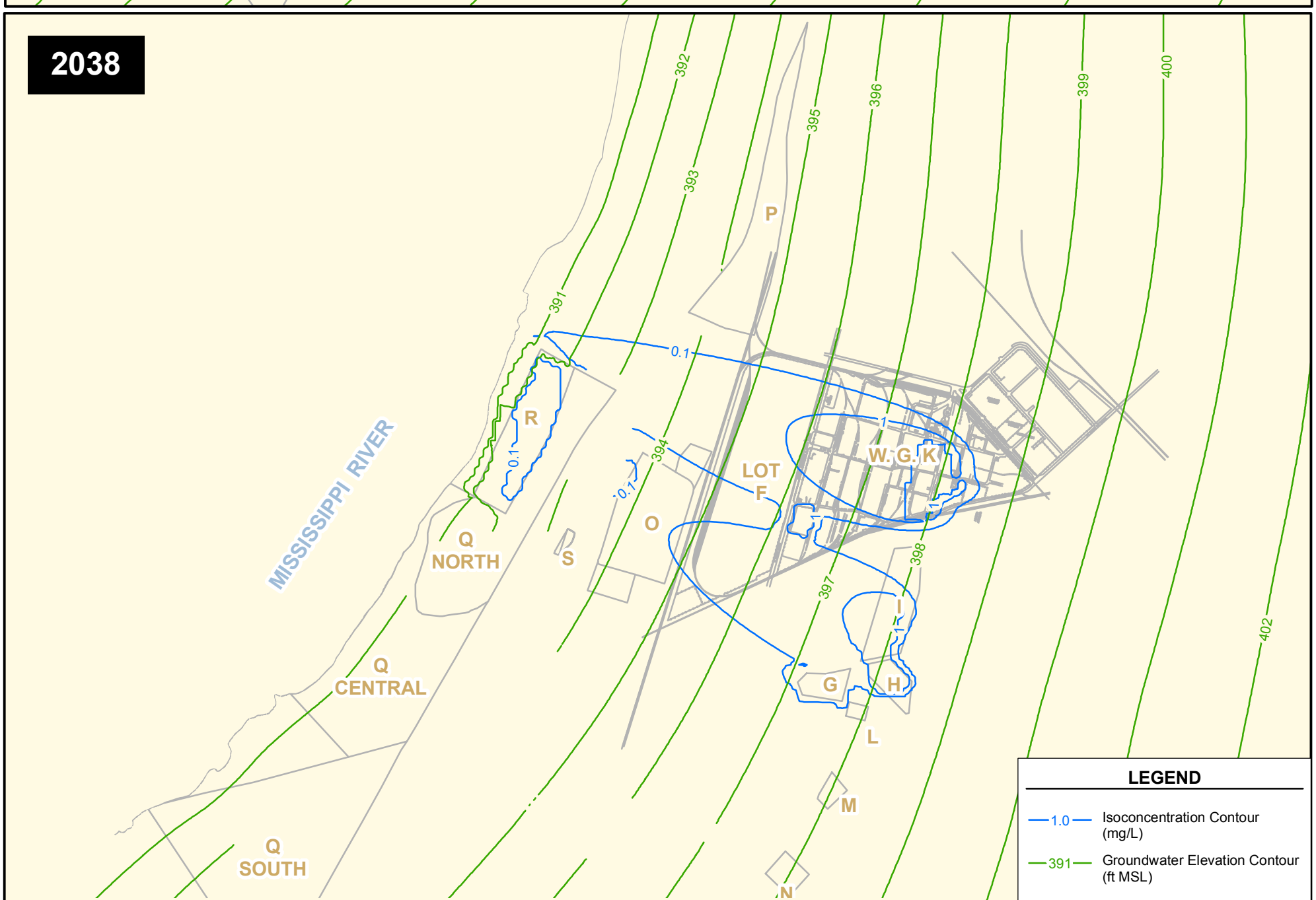
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Breaks in contour lines are due to model dry cells.

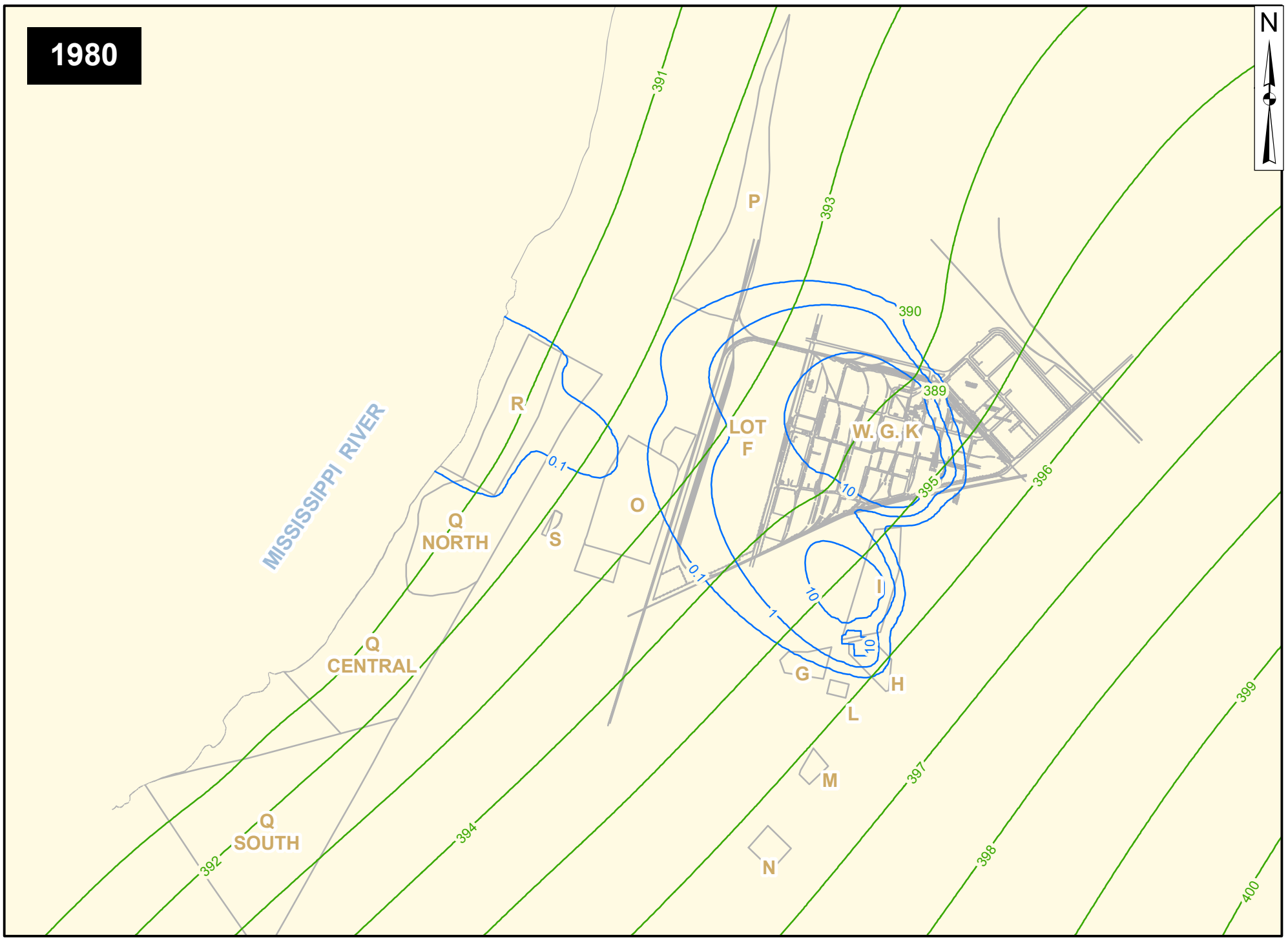
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 45**

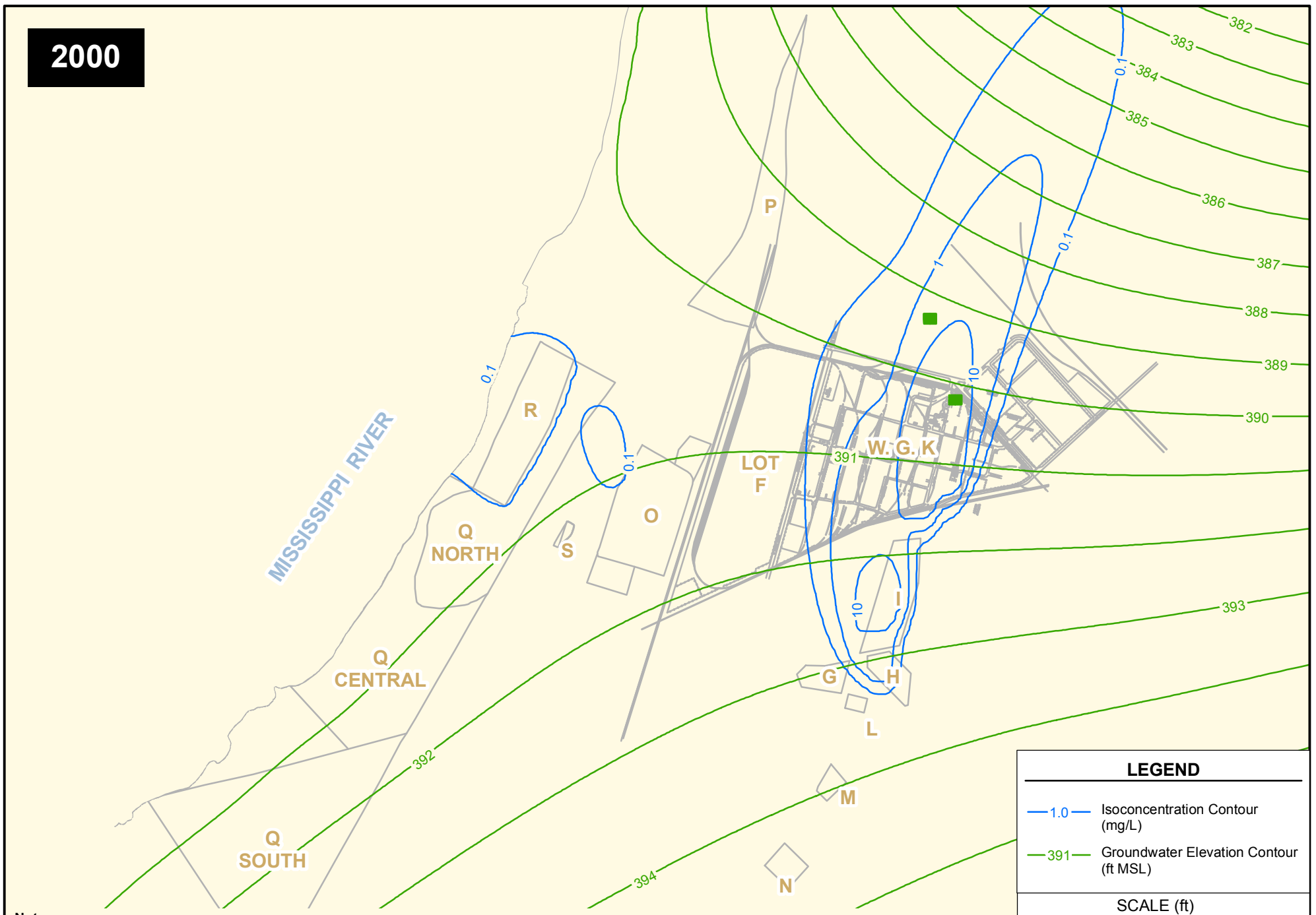
Simulated 1,4-Dichlorobenzene Plume
Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

1980



2000



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

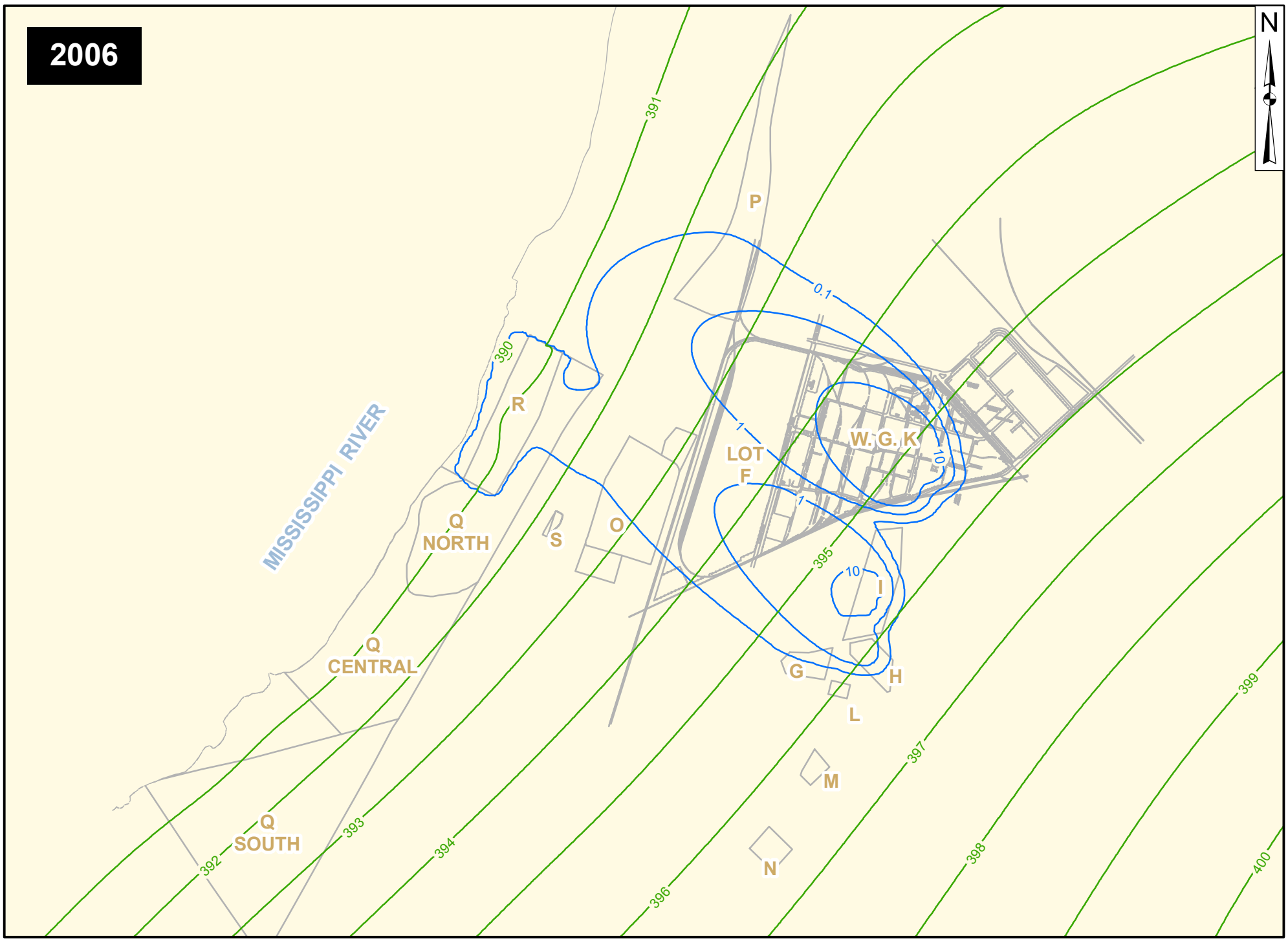
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 46**

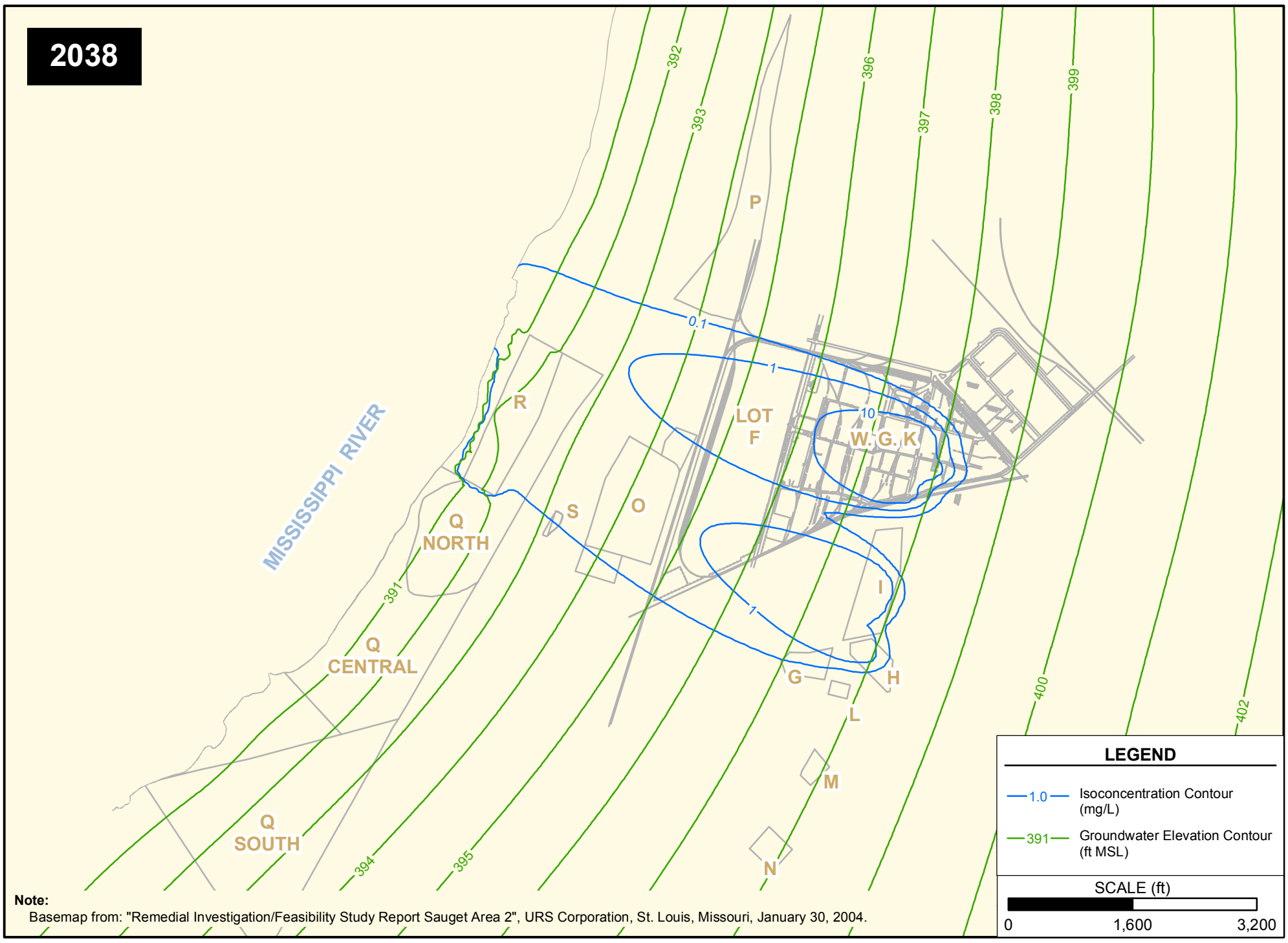
Simulated 1,4-Dichlorobenzene Plume
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

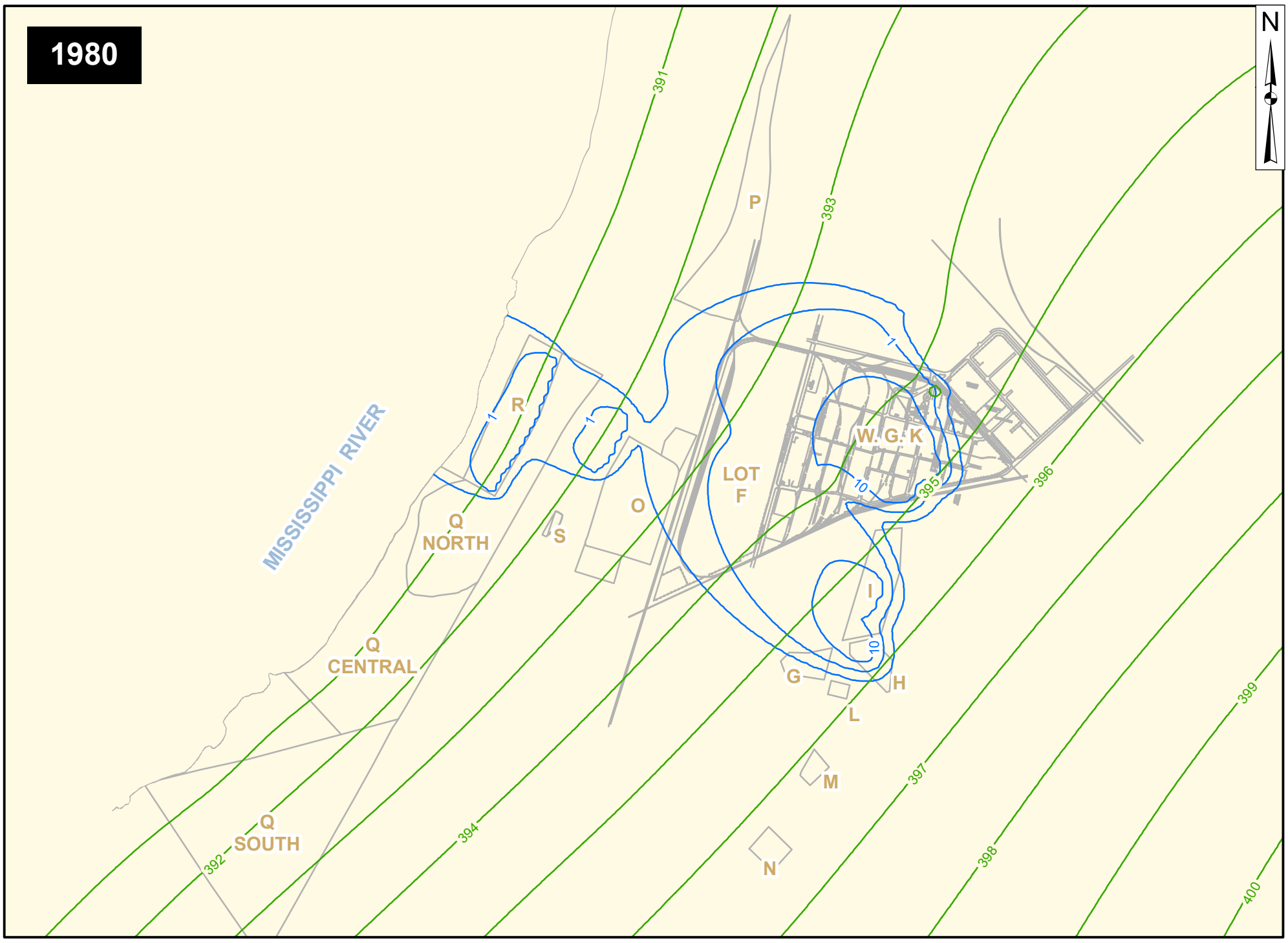
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 47**

Simulated 1,4-Dichlorobenzene Plume

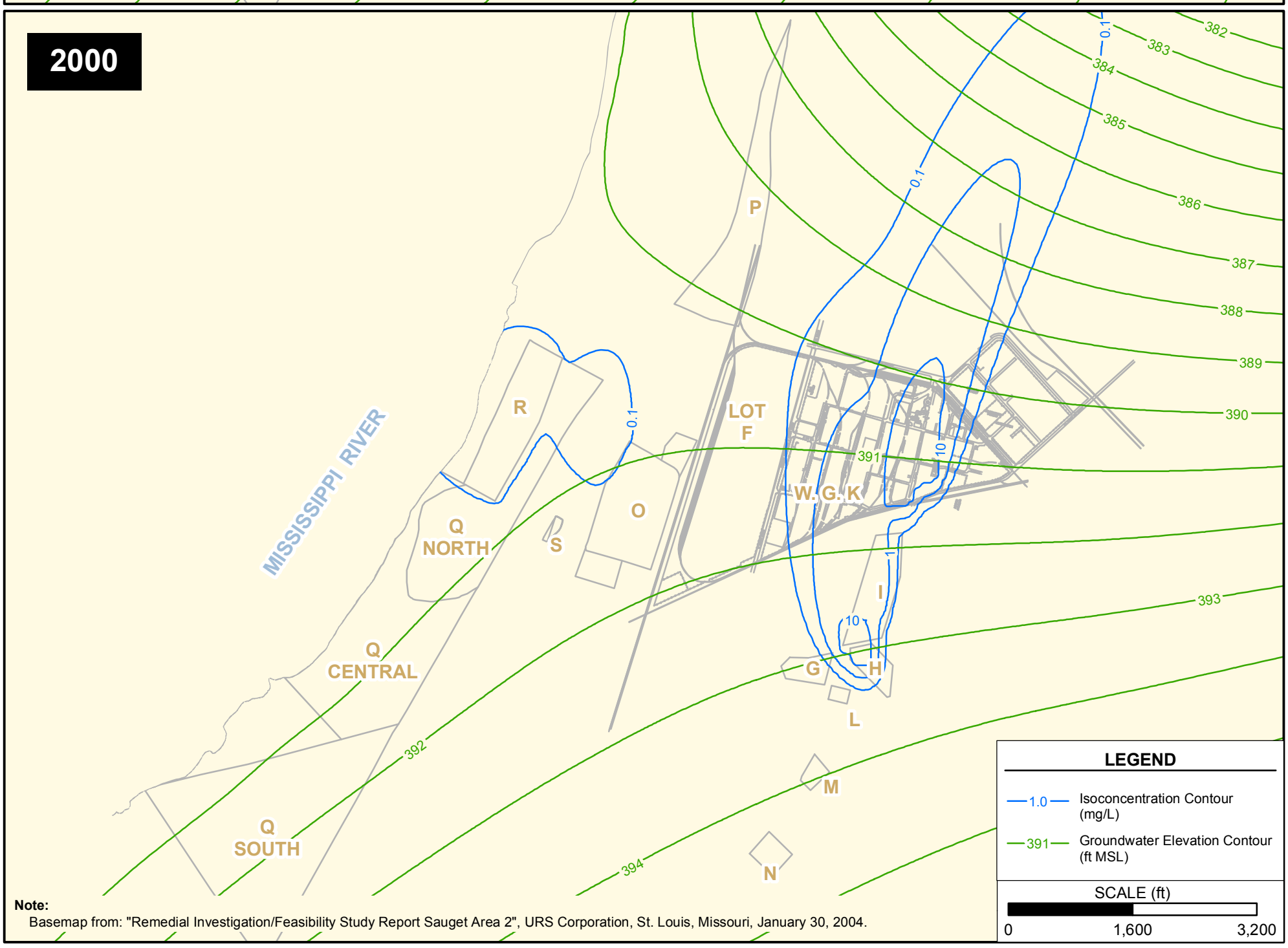
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

1980



2000



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

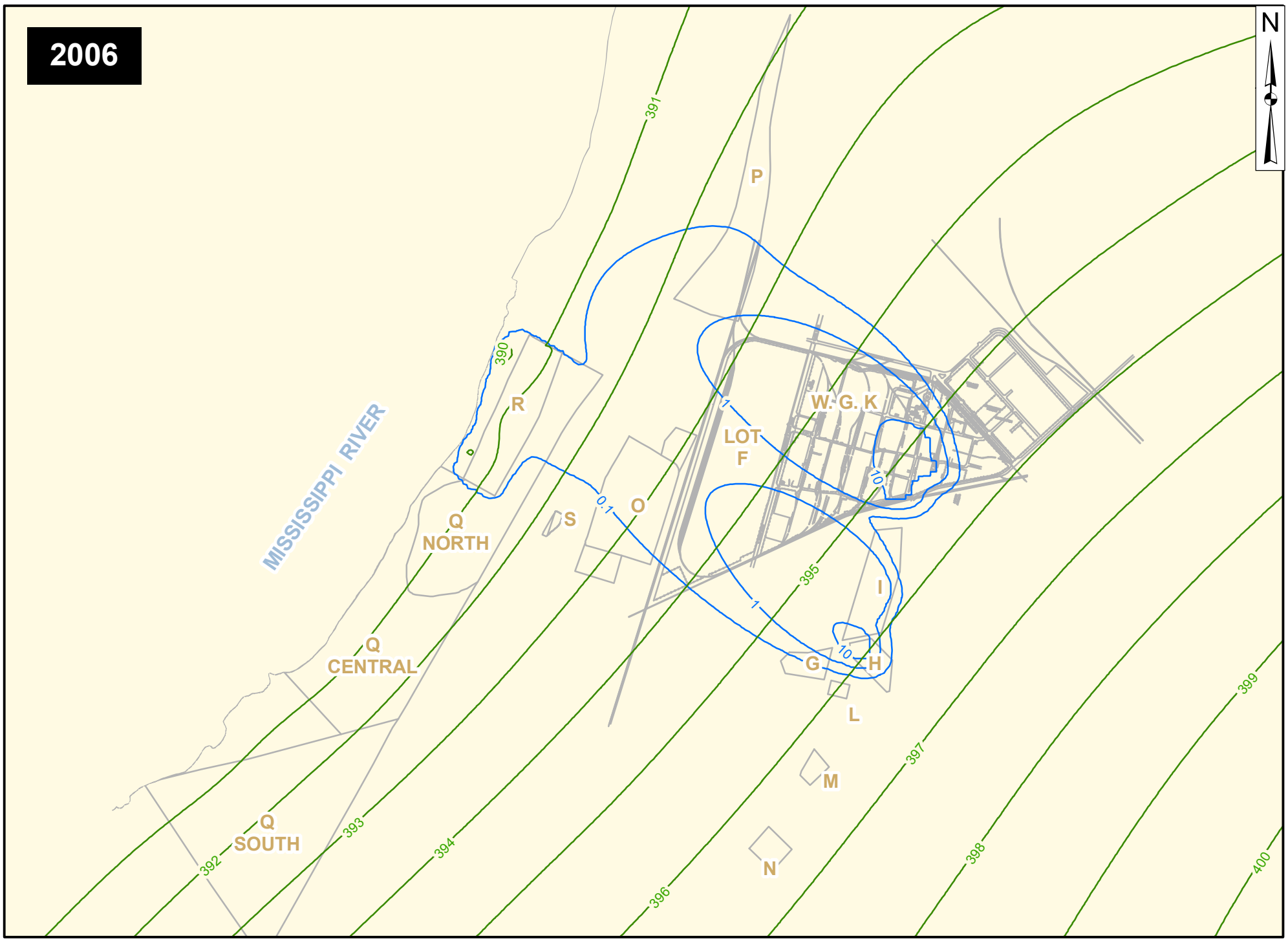
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 48**

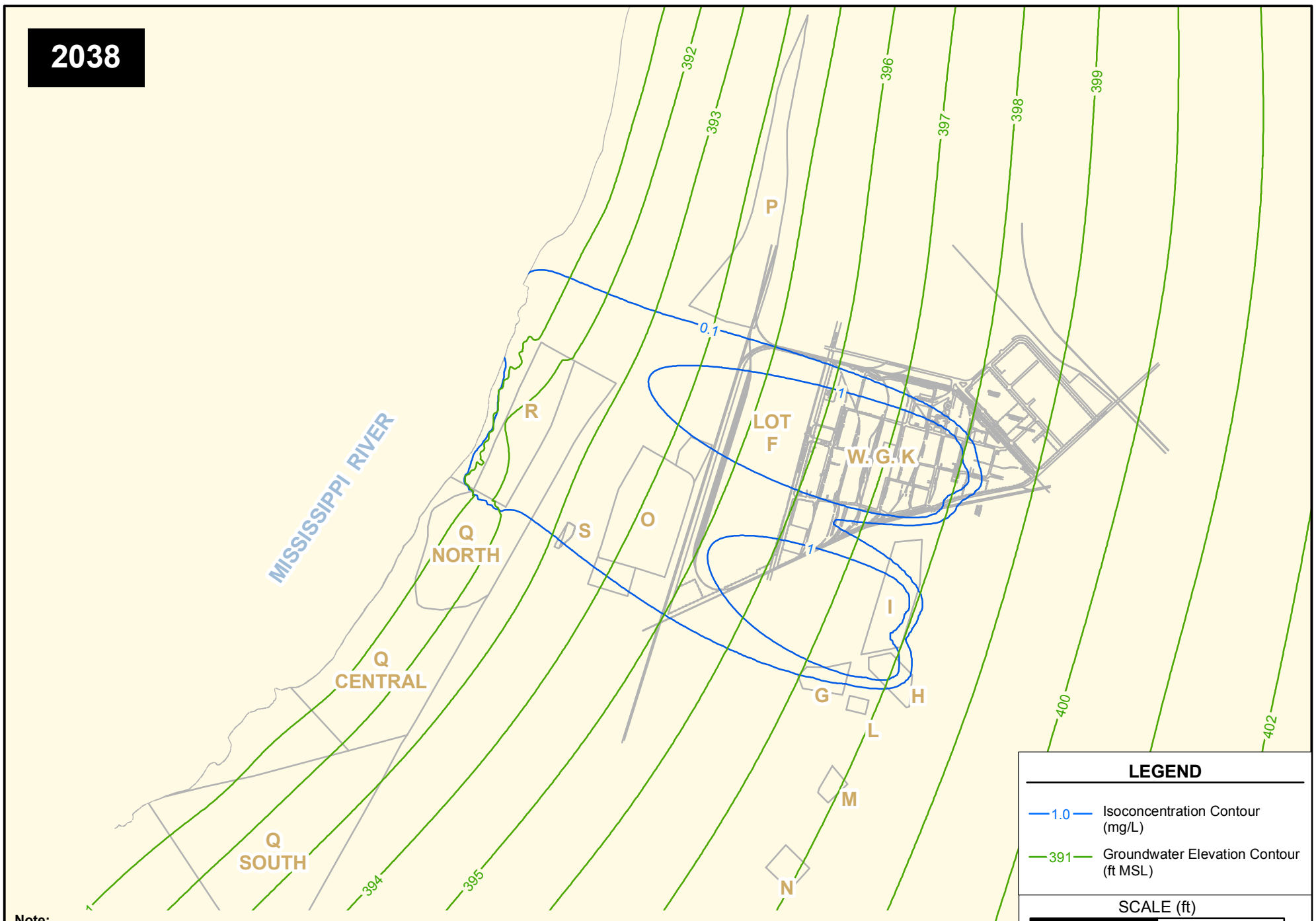
Simulated 1,4-Dichlorobenzene Plume
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 49**

Simulated 1,4-Dichlorobenzene Plume
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006

N

MISSISSIPPI RIVER

P

R

O

LOT F

W. G. K

Q NORTH

S

Q CENTRAL

Q SOUTH

I

G

H

L

M

N

0.1

1.0

10.0

100.0

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) River Ranney well was moved to a location 600 ft north of Site R. The North Plant Ranney well was relocated to the northwestern tip of the parking lot while the South Ranney well was relocated inside the plant. Model run with no retardation and no biodegradation.

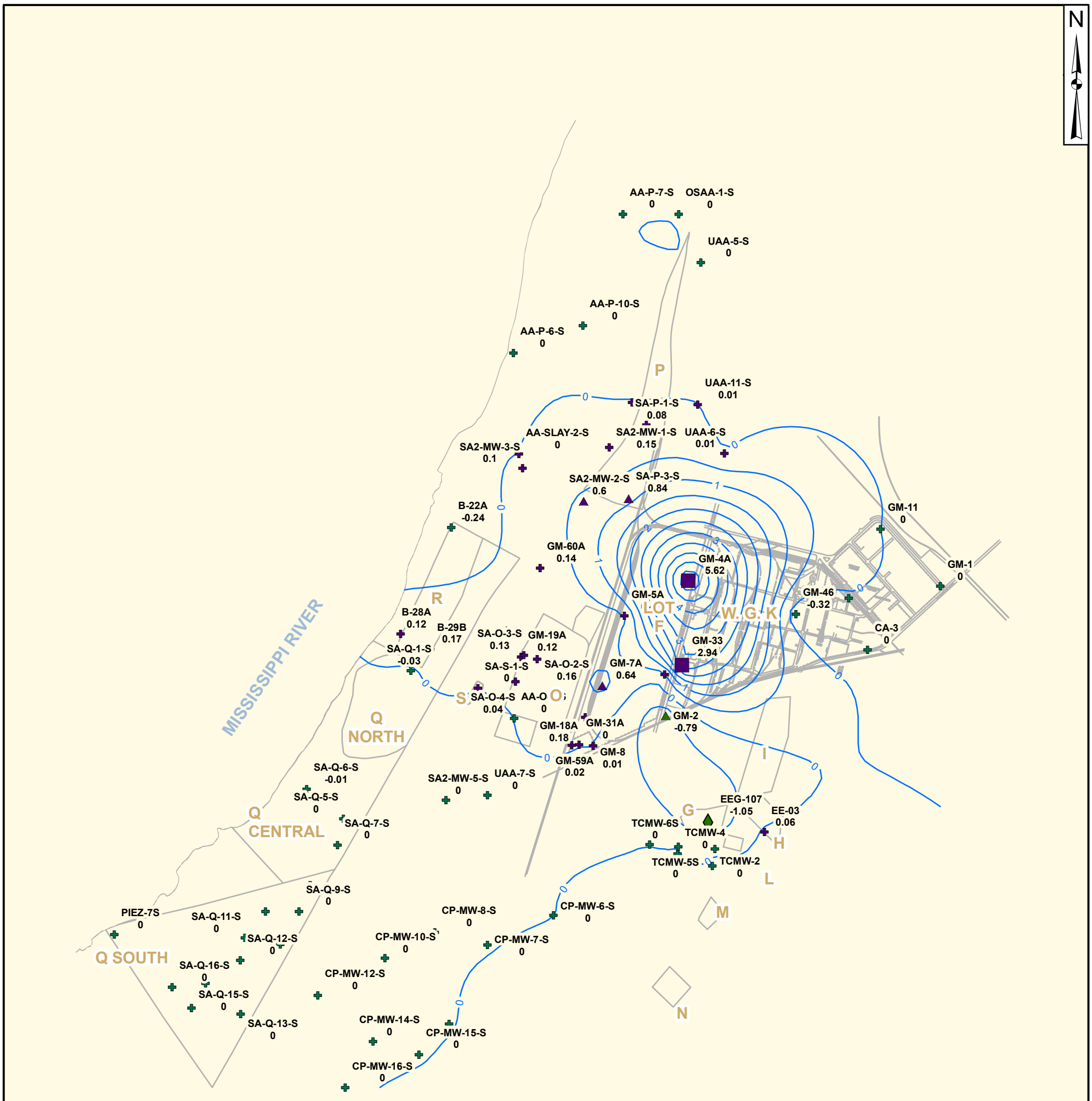
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 5**

Qualitative Calibration: Case 2

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 50**

Spatial Correlation Between Simulated and Measured Concentrations

1,4-Dichlorobenzene: Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-M
0

AA-P-7-M
0

OSAA-1-M
0

UAA-5-M
0

AA-P-10-M
0

AA-P-6-M
0

PSMW-14M
0

AA-P-5-M
0.03

UAA-11-M
0.03

AA-P-4-M
0.05

PSMW-15M
0.02

SA2-MW-1-M
0.15

UAA-6-M
0.02

AA-SLAY-3-M
0.02

SA2-MW-3-M
0.1

SA2-MW-2-M
0.6

GM-27B
0.03

AA-P-9-M
0.82

MW-3B
2.1

B-24C
0.21

GM-60B
0.11

GM-10B
0.03

PSMW-8
0.4

SA-O-1
0.36

PSMW-1
-0.01

B-28B
0.32

SA2-MW-4-M
0.25

AA-CLAY-2-M
-0.02

MW-5B
0.37

SA-Q-2
0

SA-Q-3
0

AA-O
0

GM-31B
0.03

UAA-8-M
0

SA2-MW-7-M
0

UAA-7-M
0

IMW-1S
0

EE-01
-0.3

SA2-MW-5-M
0

UAA-9-M
0

TCMW-6M
0

TCMW-3M
0

CMW-1M
0

TCMW-5M
0

SA2-MW-9-M
0

SA2-MW-10-M
0

UAA-10-M
0

PIEZ-7M
0

CP-MW-22
0

AA-Q-10-M
0

CP-MW-20
0

CP-MW-18
0

MISSISSIPPI RIVER

P

R

S

Q NORTH

Q -Q-8 CENTRAL

Q SOUTH

G

H

I

L

M

N

SCALE (ft)
0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

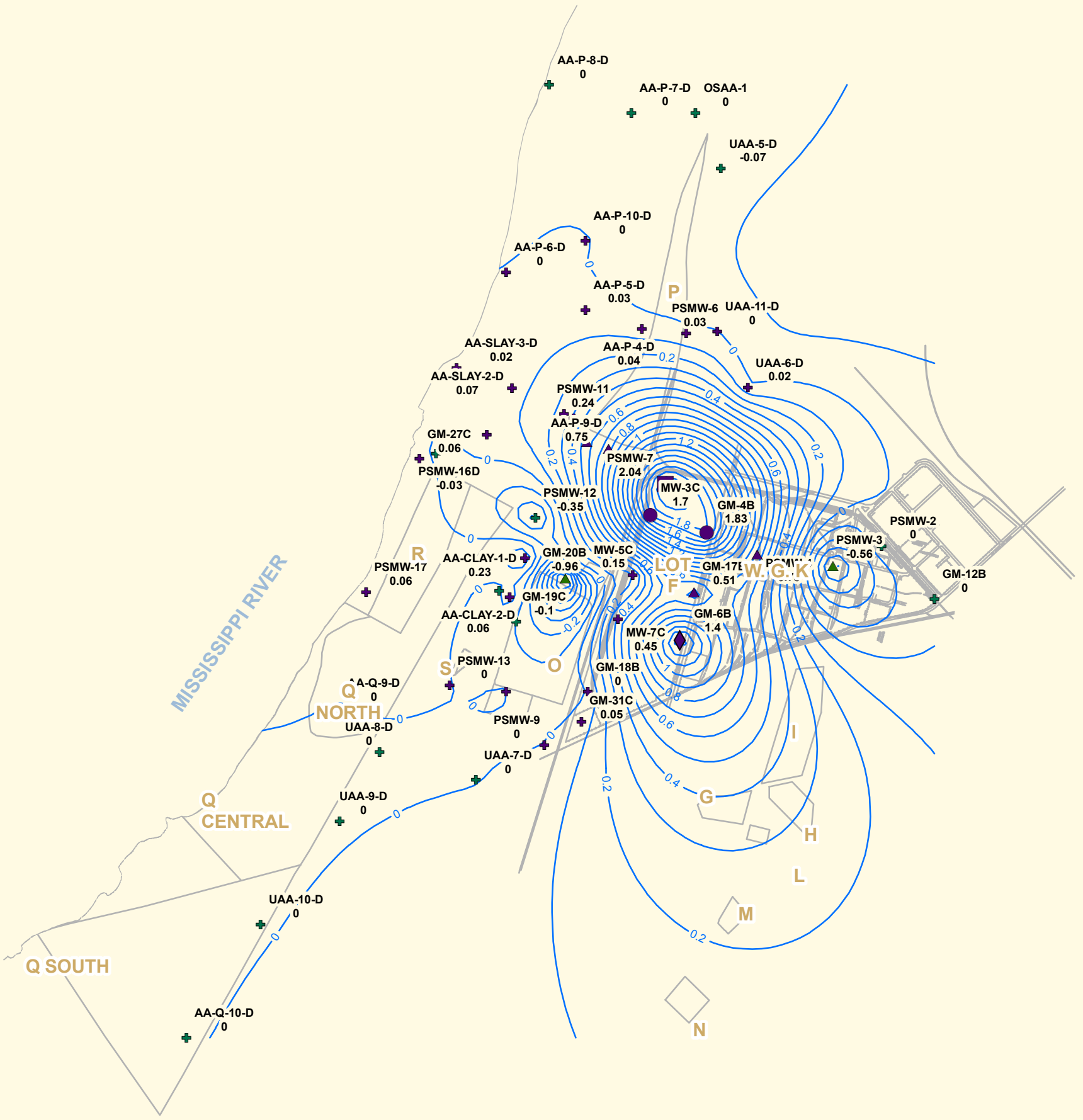
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 51**

Spatial Correlation Between Simulated and Measured Concentrations

1,4-Dichlorobenzene: Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 52**

Spatial Correlation Between Simulated and Measured Concentrations

1,4-Dichlorobenzene: Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-7-S <0.0002
OSAA-1-S <0.0002
UAA-5-S <0.0002
AA-P-10-S <0.0002
AA-P-6-S <0.0002
P
AA-P-4-S <0.0002
UAA-11-S <0.0002
SA-P-1-S 0.0006
UAA-6-S 0.0001
SA-P-2-S <0.245
SA2-MW-3-S <0.0002
SA-P-3-S <0.0002
AA-P-9-S <0.0002
SA2-MW-2-S <0.0002
GM-11 0.0006
GM-60A <0.0002
GM-4A <0.0002
GM-1 <0.0002
GM-15 <0.0002
B-25B 20
B-25A 11
R
GM-5A <0.0002
GM-46 <2.45
W. G. K
LOT F
SA2-MW-4-S <0.0005
CA-3 0.0006
SA-Q-1-S <0.0002
GM-6A <0.0002
PSMW-5 <0.0002
GM-9A <0.0002
SA-O-4-S <0.0002
SA-S-1-S <0.0002
GM-7A <0.0002
O
Q NORTH
S
AA-O-5-S <0.0002
GM-2 <0.0002
AA-Q-9-S <0.0002
SA-S-2-S 0.0003
GM-8 <0.0002
GM-59A 0.0002
GM-31A <0.0245
UAA-8-S 0.0001
SA-Q-6-S <0.0024
SA2-MW-5-S 0.0002
UAA-7-S <0.0002
I
SA-Q-5-S <0.0002
UAA-9-S <0.0002
Q CENTRAL
G
H
03 <0.0002
L
TCMW-4 <0.0002
TCMW-2 <0.0002
TCMW-5S <0.0002
SA2-MW-9-S <0.0002
CP-MW-6-S 0.0001
UAA-10-S <0.0002
PIEZ-7S 0.0065
SA-Q-11-S <0.0002
CP-MW-8-S <0.0002
CP-MW-7-S <0.0002
SA-Q-10-S <0.0002
M
CP-MW-10-S 0.0001
Q SOUTH
SA-Q-14-S <0.0002
CP-MW-12-S 0.0001
SA-Q-13-S <0.0002
N
CP-MW-13-S <0.0002
SA-Q-15-S <0.0002
AA-Q-10-S 0.0012
CP-MW-14-S <0.0002
CP-MW-15-S <0.0002
CP-MW-16-S <0.0002
MISSISSIPPI RIVER
10
1
0.1

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed 2,4-Dichlorophenoxyacetic Acid Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 53**

Calibrated 2,4-Dichlorophenoxyacetic Acid Plume
Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-M
<0.0002

AA-P-7-M
<0.0003

OSAA-1-M
<0.0002

UAA-5-M
<0.0002

AA-P-10-M
<0.0002

PSMW-14M
<0.0002

AA-P-6-M
<0.0002

AA-P-5-M
0.0003

P

AA-P-4-M
<0.0002

UAA-11-M
<0.0002

PSMW-15M
<0.0002

SA2-MW-1-M
<0.0002

UAA-6-M
<0.0002

AA-SLAY-3-M
<0.0002

SA2-MW-3-M
<0.0002

AA-SLAY-4-M
<0.0002

AA-P-9-M
<0.0002

GM-27B
<0.0002

PSMW-16M
<0.0002

SA2-MW-2-M
<0.0002

GM-60B
0.0003

MW-3B
<0.0002

GM-10B
<0.0002

B-24C
37

R

AA-O-4-M
<0.0002

MW-5B
<0.0002

SA2-MW-4-M
<0.0005

W. G. K

PSMW-1
<0.0002

AA-CLAY-2-M
<0.0005

F

GM-9B
<0.0002

SA-Q-2
<0.0002

Q
NORTH

O

S

AA-O-5-M
<0.0002

GM-31B
<0.0002

MISSISSIPPI RIVER

SA-Q-4
<0.0024

SA2-MW-6-M
<0.0002

SA2-MW-7-M
<0.0002

UAA-7-M
<0.0002

SA2-MW-5-M
<0.0002

I

IMW-1S
<0.0002

EE-01
<0.305

H

G

L

TCMW-6M
<0.0002

TCMW-5M
<0.0002

TCMW-1S
<0.0002

TCMW-3M
0.0005

TCMW-1M
<0.0002

M

SA-Q-
<0.00

Q
CENTRAL

UAA-9-M
<0.0002

SA2-MW-9-M
<0.0002

CP-MW-24
<0.0002

UAA-10-M
<0.0002

PIEZ-7M
<0.0002

SA2-MW-10-M
<0.0002

CP-MW-22
0.0001

Q SOUTH

N

CP-MW-20
<0.0002

CP-MW-18
<0.0002

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed 2,4-Dichlorophenoxyacetic Acid Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 54**

Calibrated 2,4-Dichlorophenoxyacetic Acid Plume

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-D
<0.0002

AA-P-7-D
<0.0002

OSAA-1
<0.0002

UAA-5-D
0.0005

AA-P-10-D
<0.0002

AA-P-6-D
<0.0002

AA-P-5-D
<0.0003

P

PSMW-6
<0.0002

UAA-11-D
<0.0002

AA-SLAY-3-D
<0.0002

AA-P-4-D
0.0021

UAA-6-D
<0.0002

PSMW-11
<0.0002

AA-SLAY-2-D
<0.0003

AA-P-9-D
<0.0002

GM-27C
<0.0002

SA2-MW-2-D
<0.0002

PSMW-16D
<0.0002

0.1

PSMW-12
<0.0002

MW-3C
<0.0002

GM-4B
<0.0002

PSMW-2
<0.0002

PSMW-4
<0.0002

PSMW-3
<0.0002

AA-CLAY-1-D
<0.0005

R

GM-20B
<0.0002

MW-5C
<0.0002

GM-17C
<0.0002

W. G. K

LOT F

PSMW-17
0.0042

GM-19C
<0.0002

MW-7B
<0.0002

GM-9C
<0.0002

GM-6B
<0.0002

MISSISSIPPI RIVER

Q
NORTH

PSMW-13
<0.00

S

O

AA-O-5-D
<0.0002

AA-Q-9-D
<0.0002

GM-31C
<0.0002

PSMW-9
<0.0002

UAA-8-D
0.0005

UAA-7-D
<0.0002

I

IMW-1I
<0.0002

Q
CENTRAL

UAA-9-D
<0.0002

G

H

L

UAA-10-D
<0.0002

M

Q SOUTH

N

AA-Q-10-D
0.0001

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed 2,4-Dichlorophenoxyacetic Acid Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

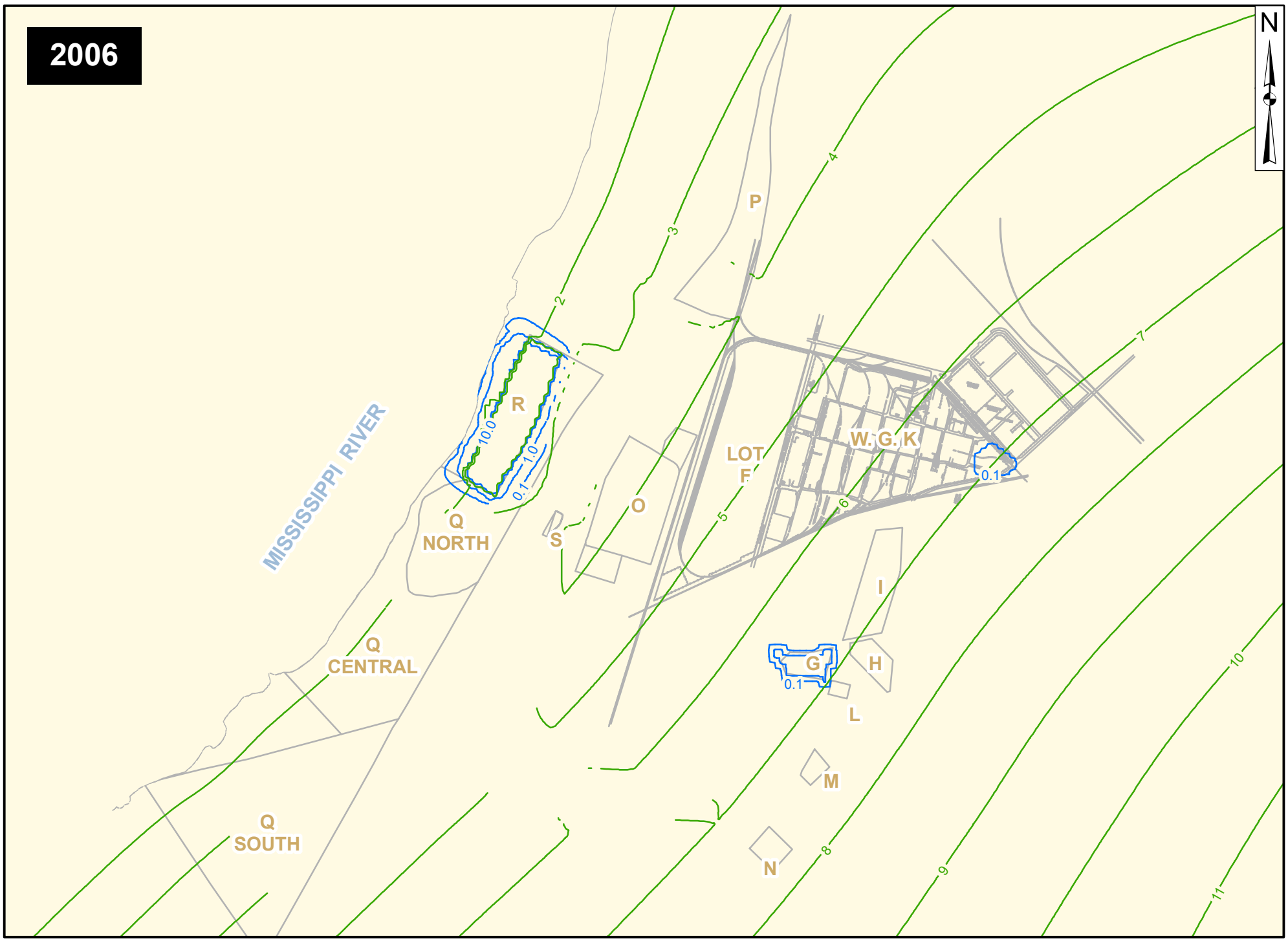
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 55**

Calibrated 2,4-Dichlorophenoxyacetic Acid Plume

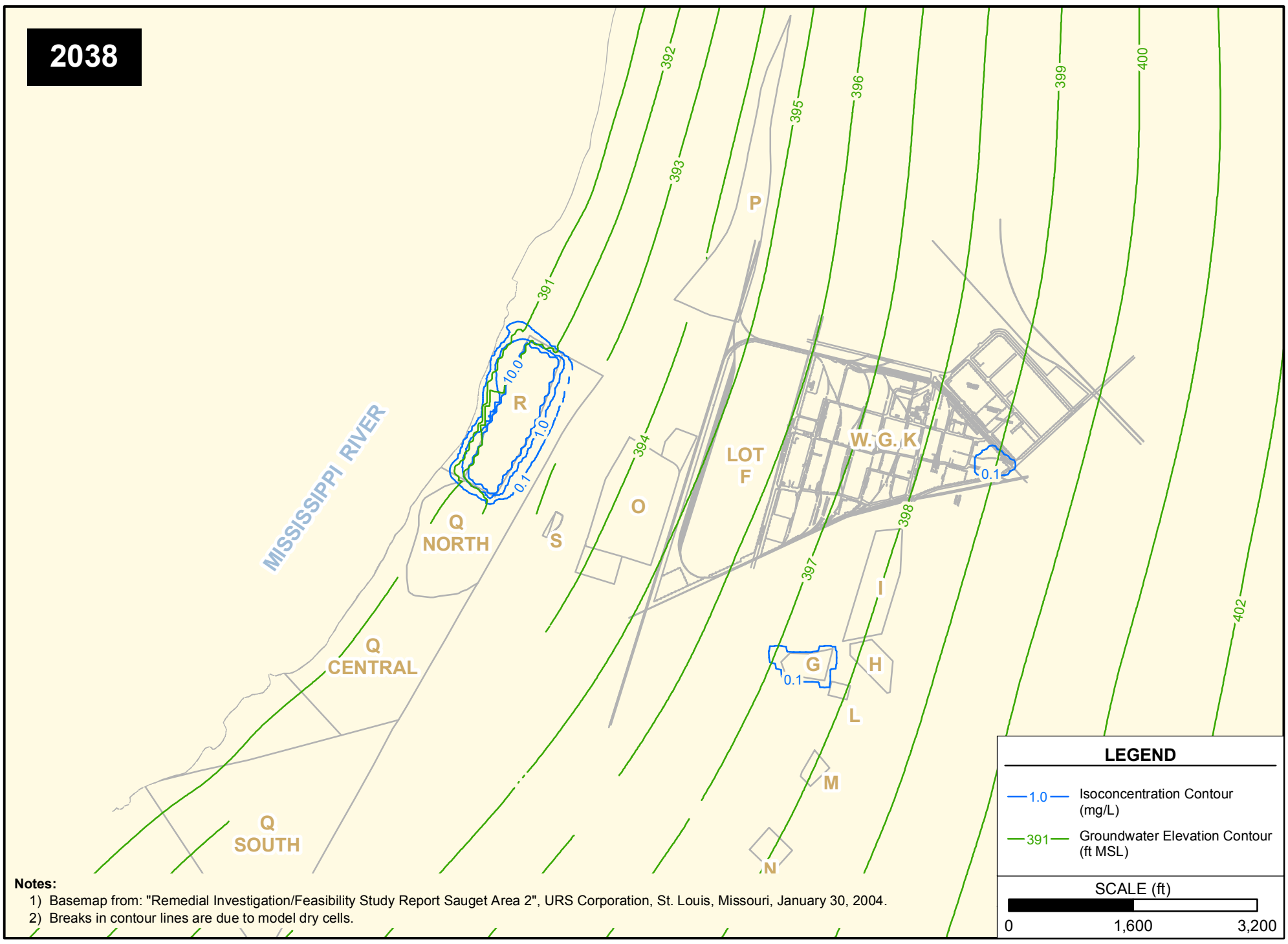
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



LEGEND

- 1.0 — Isoconcentration Contour (mg/L)
- 391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,600 3,200

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Breaks in contour lines are due to model dry cells.

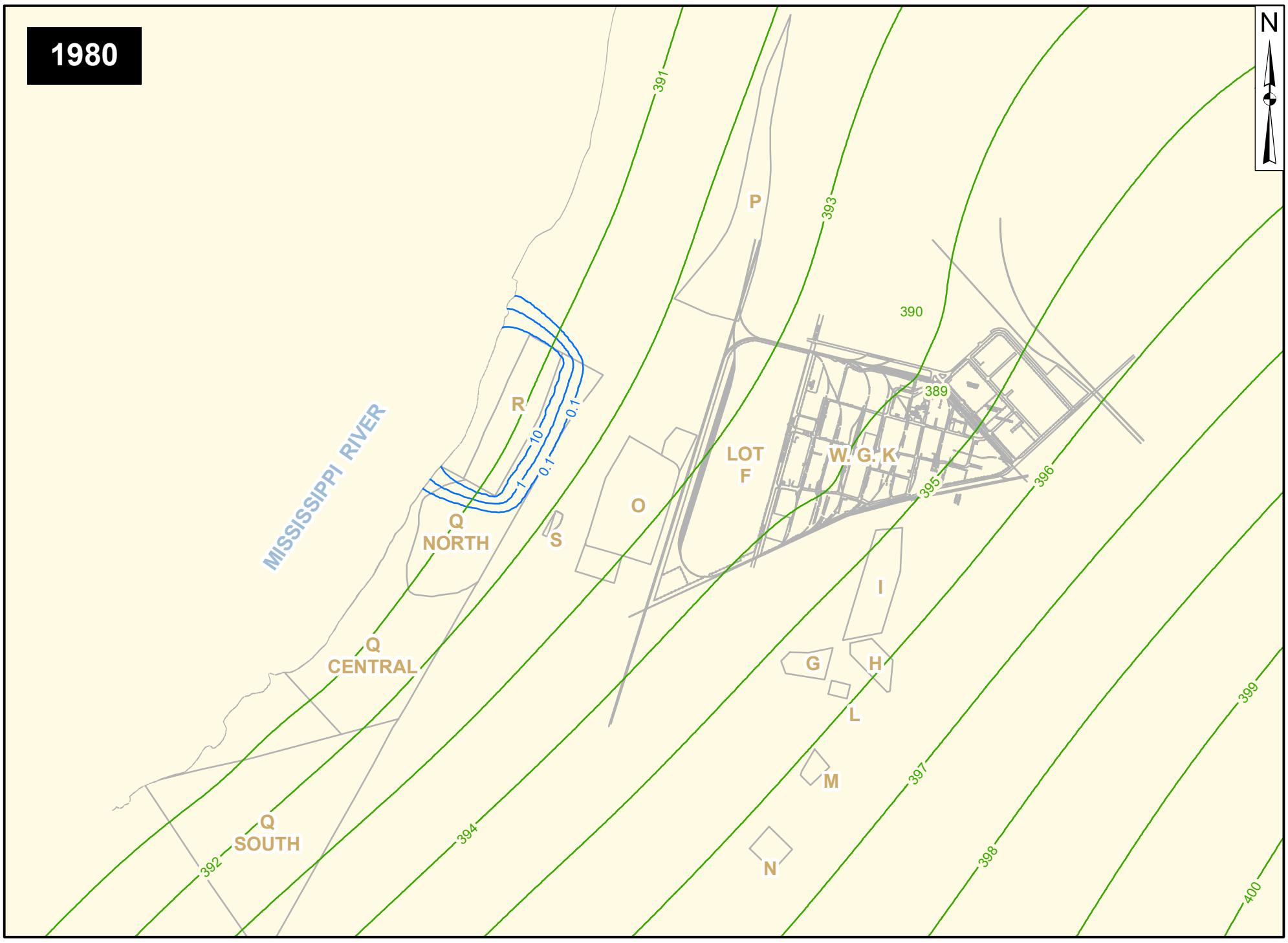
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 56**

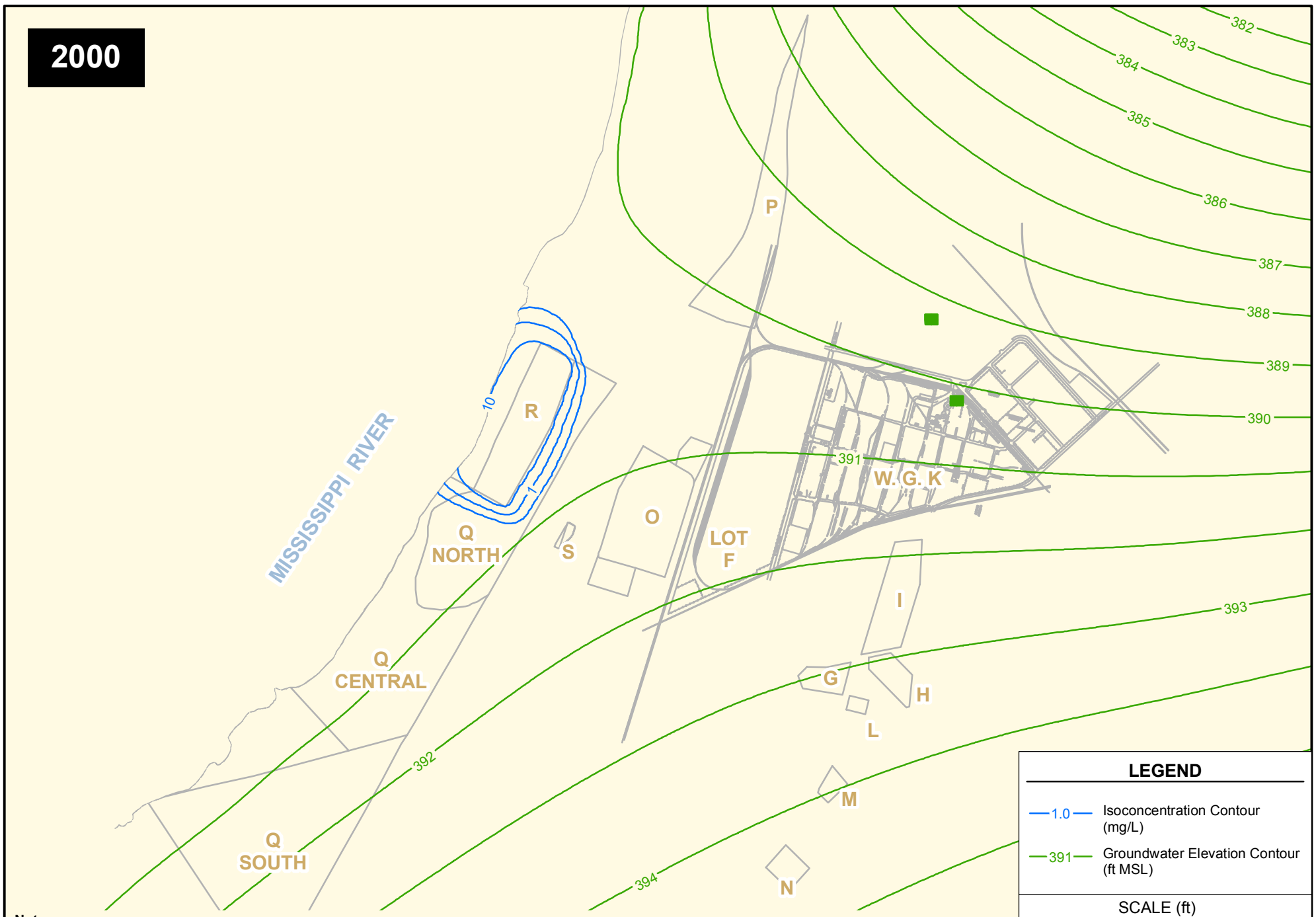
Simulated 2,4-Dichlorophenoxyacetic Acid Plume
Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

1980



2000



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

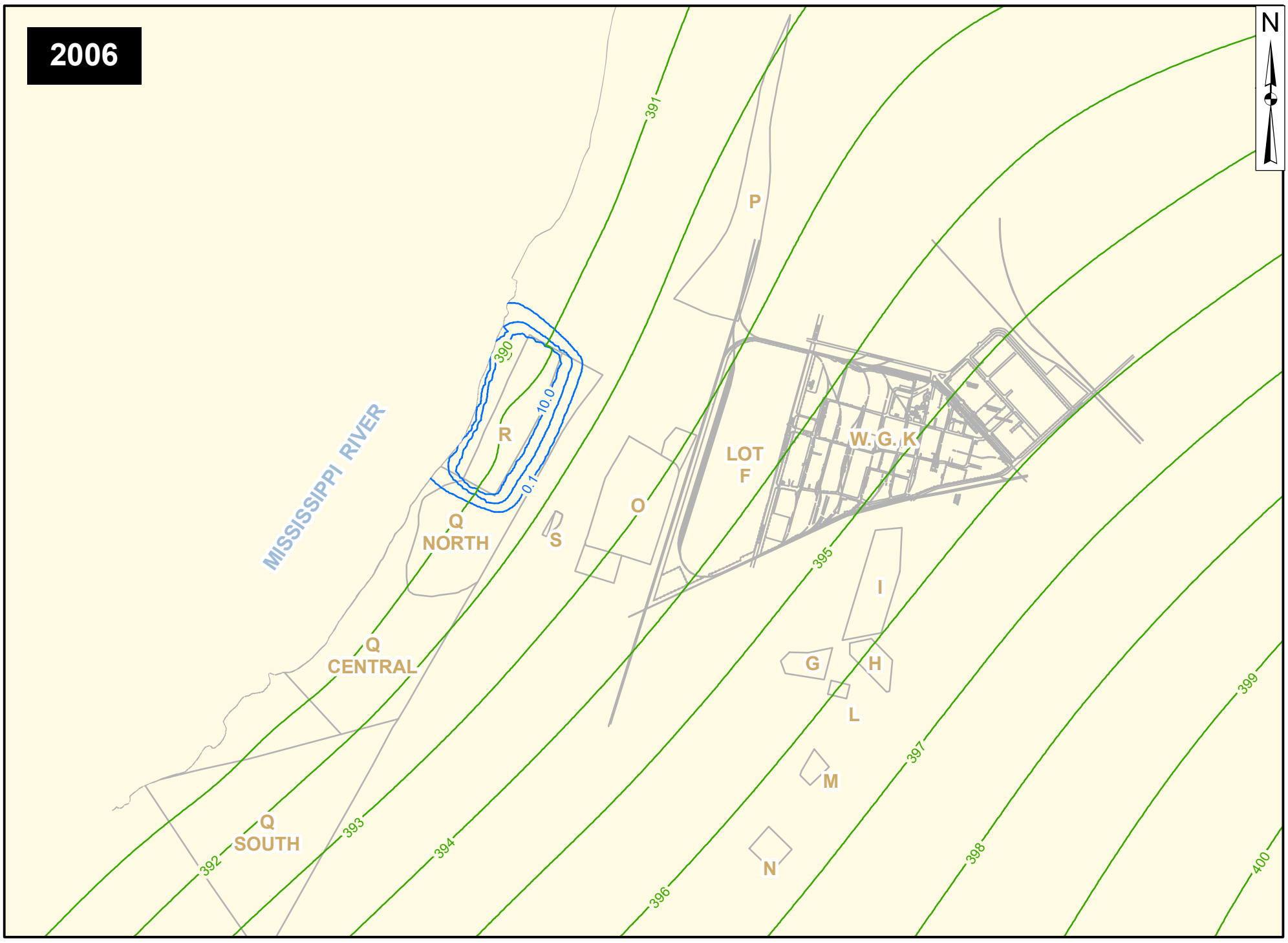
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 57**

Simulated 2,4-Dichlorophenoxyacetic Acid Plume

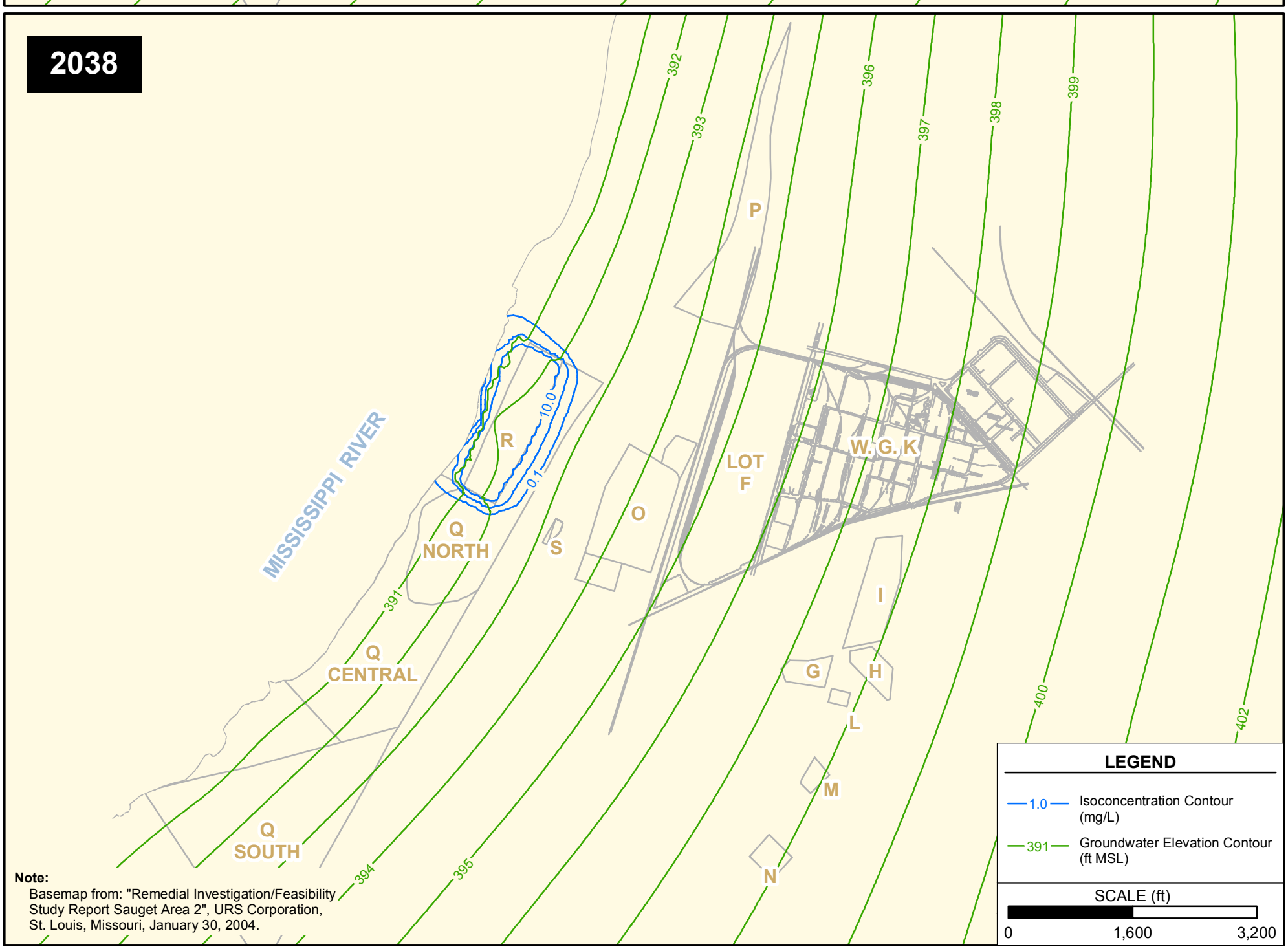
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

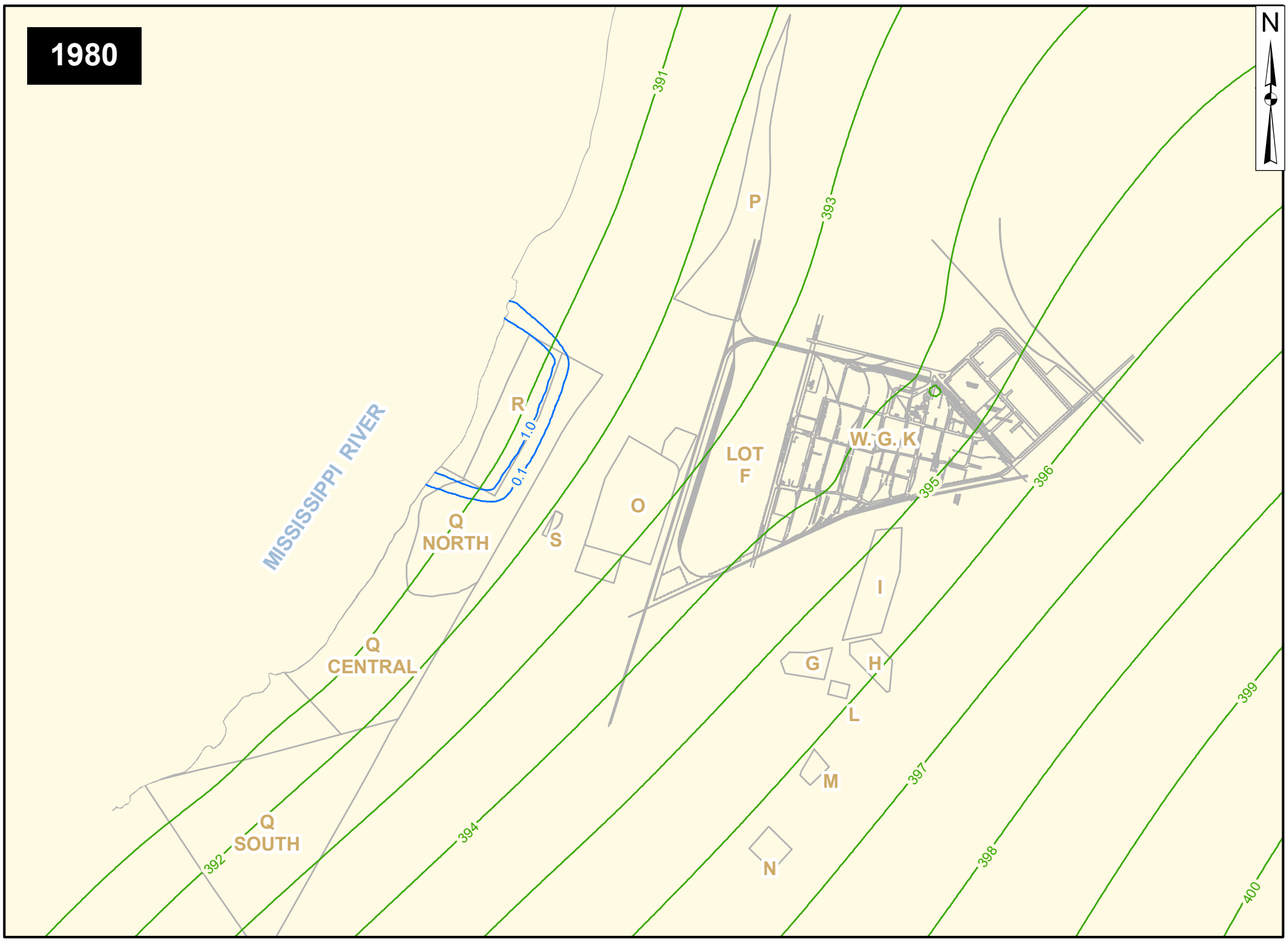
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 58**

Simulated 2,4-Dichlorophenoxyacetic Acid Plume

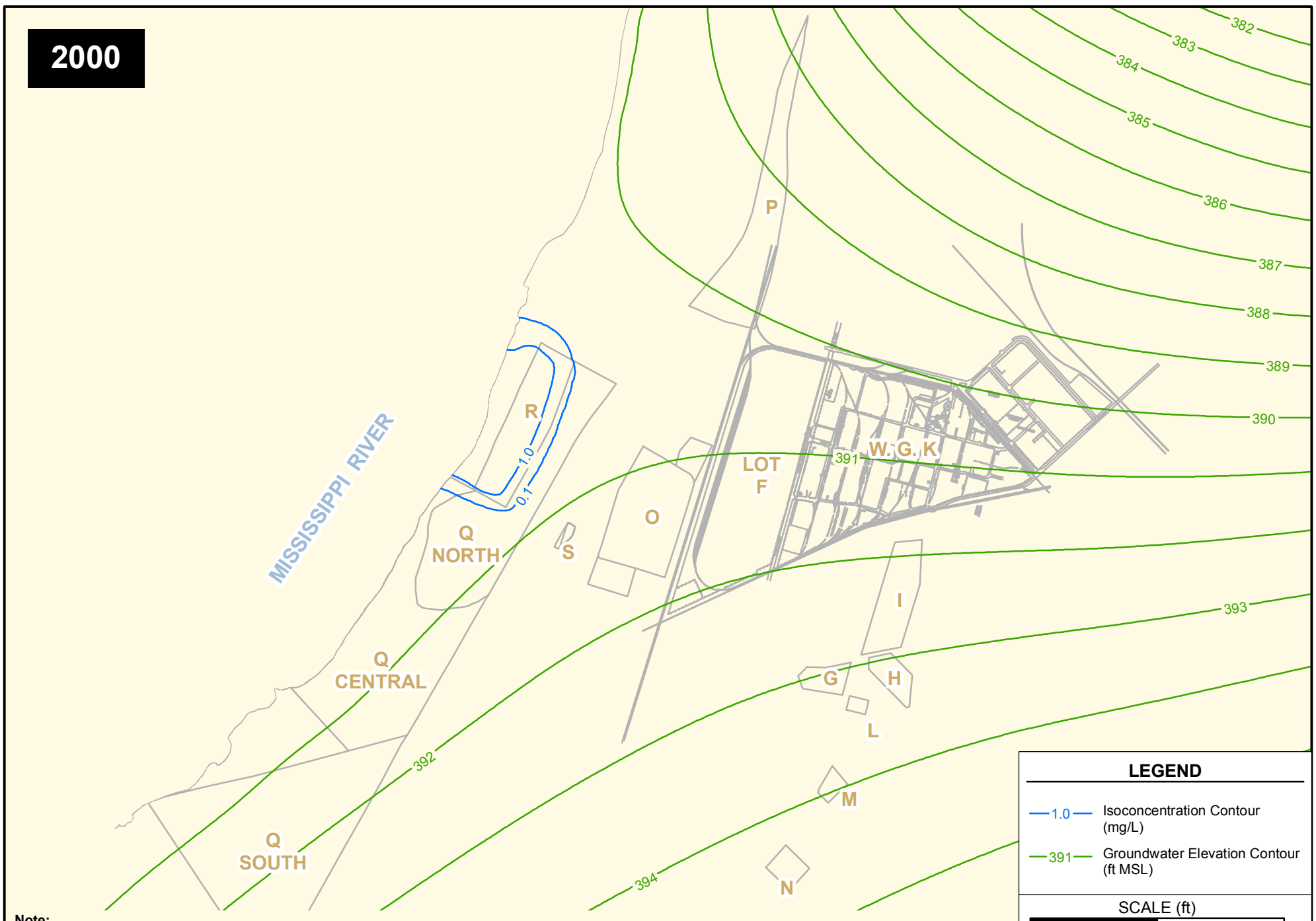
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

1980



2000



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 59**

Simulated 2,4-Dichlorophenoxyacetic Acid Plume
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006

N

MISSISSIPPI RIVER

P

R

O

S

Q NORTH

Q CENTRAL

Q SOUTH

LOT F

W. G. K

I

G

H

L

M

N

0.1

1.0

10.0

10.0

10.0

1.0

0.1

1.0

0.1

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Model was divided into two segments: one from 1950 to 2003 with no GMCS and the other from 2003 to 2006 with the GMCS in place.

GSI ENVIRONMENTAL

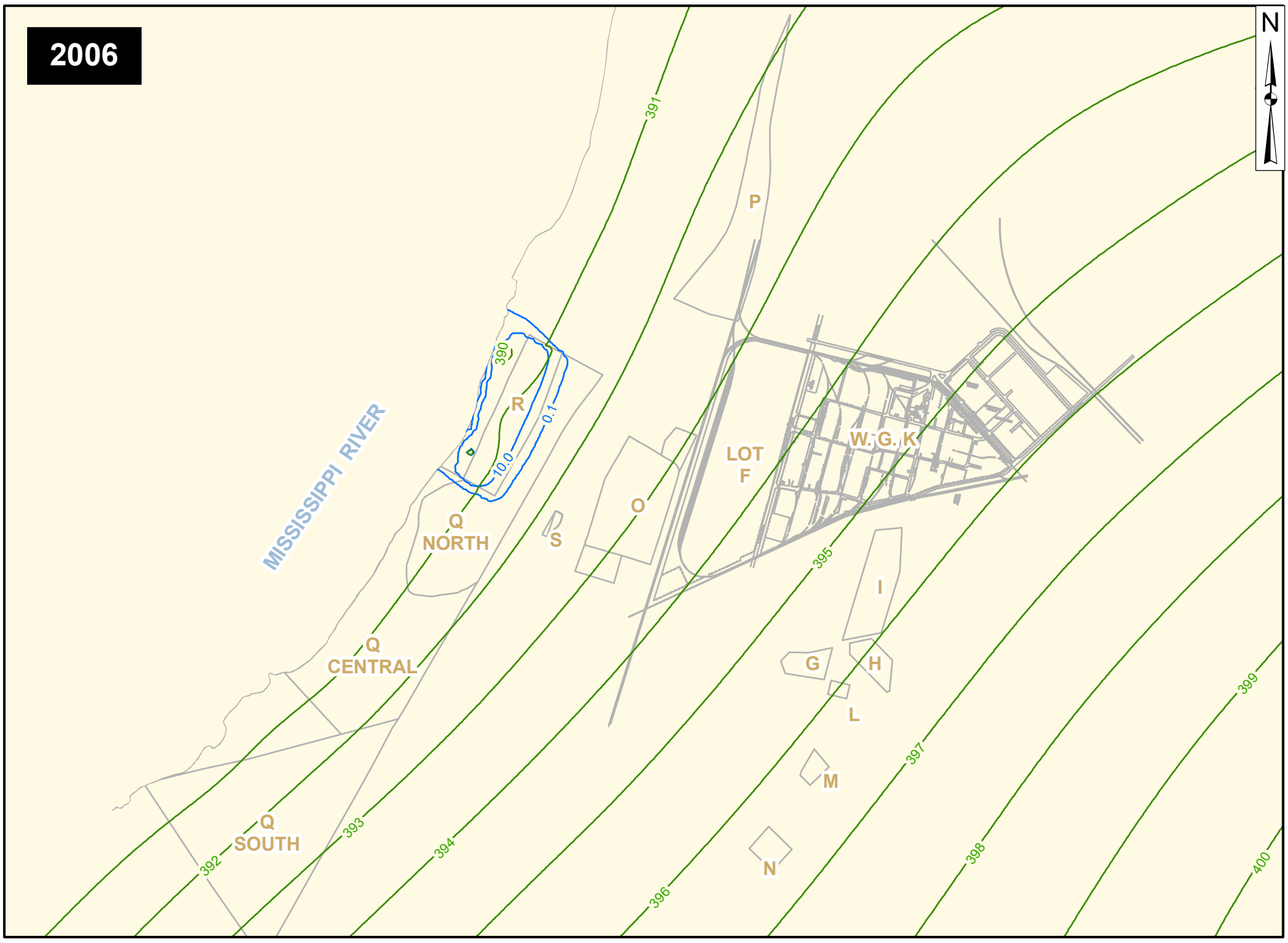
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 6**

Qualitative Calibration: Case 3

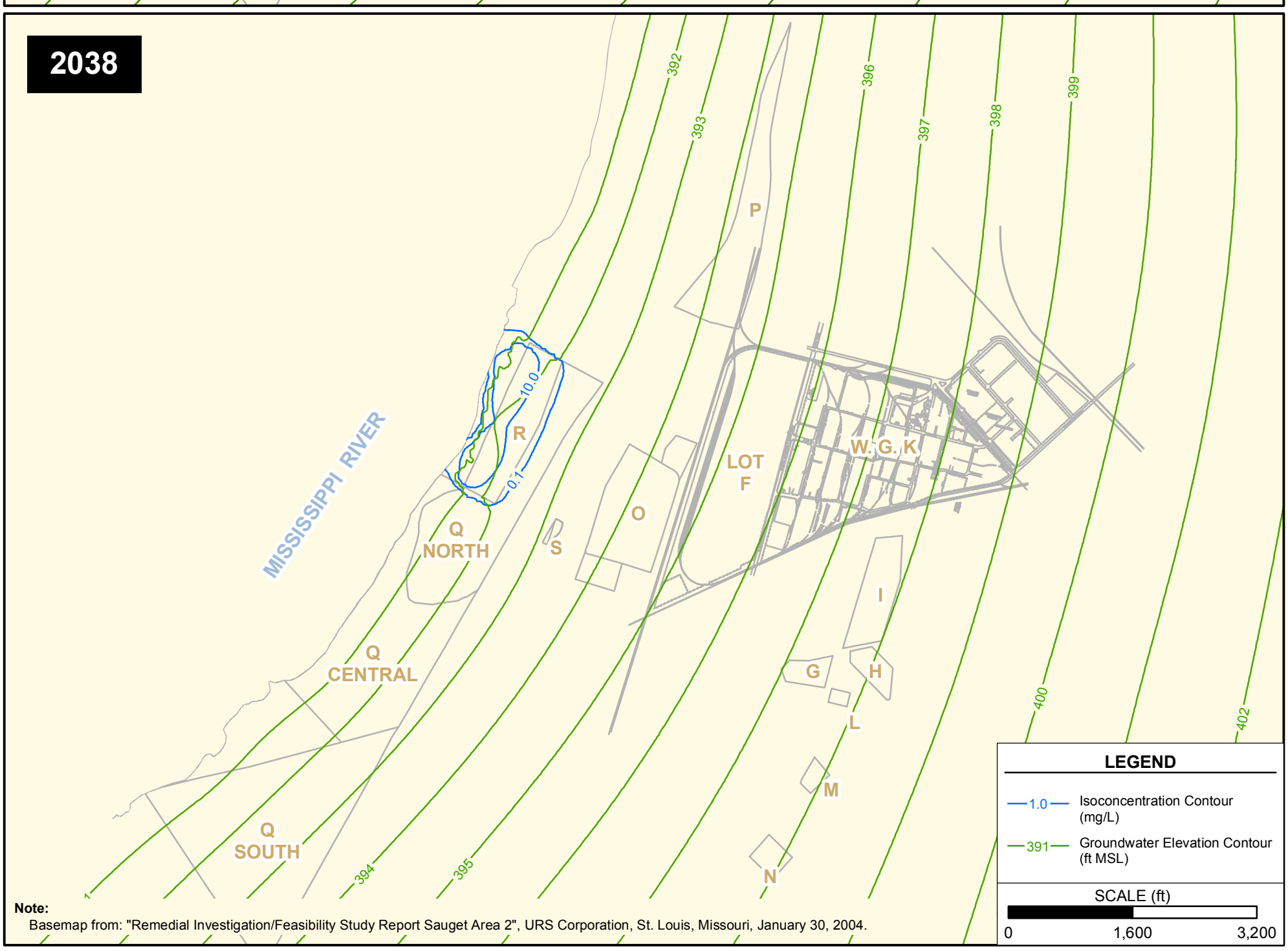
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

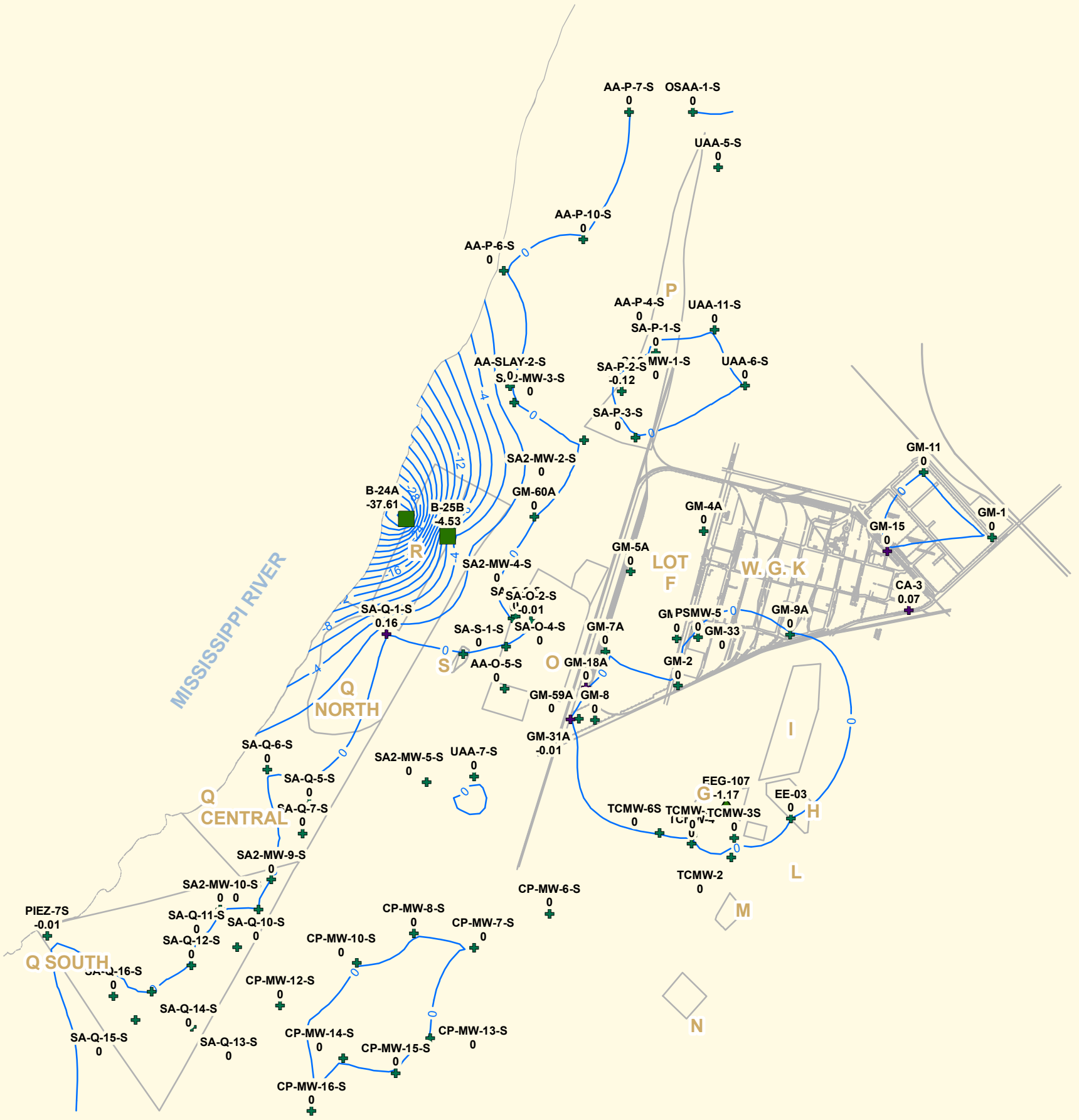
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 60**

Simulated 2,4-Dichlorophenoxyacetic Acid Plume

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

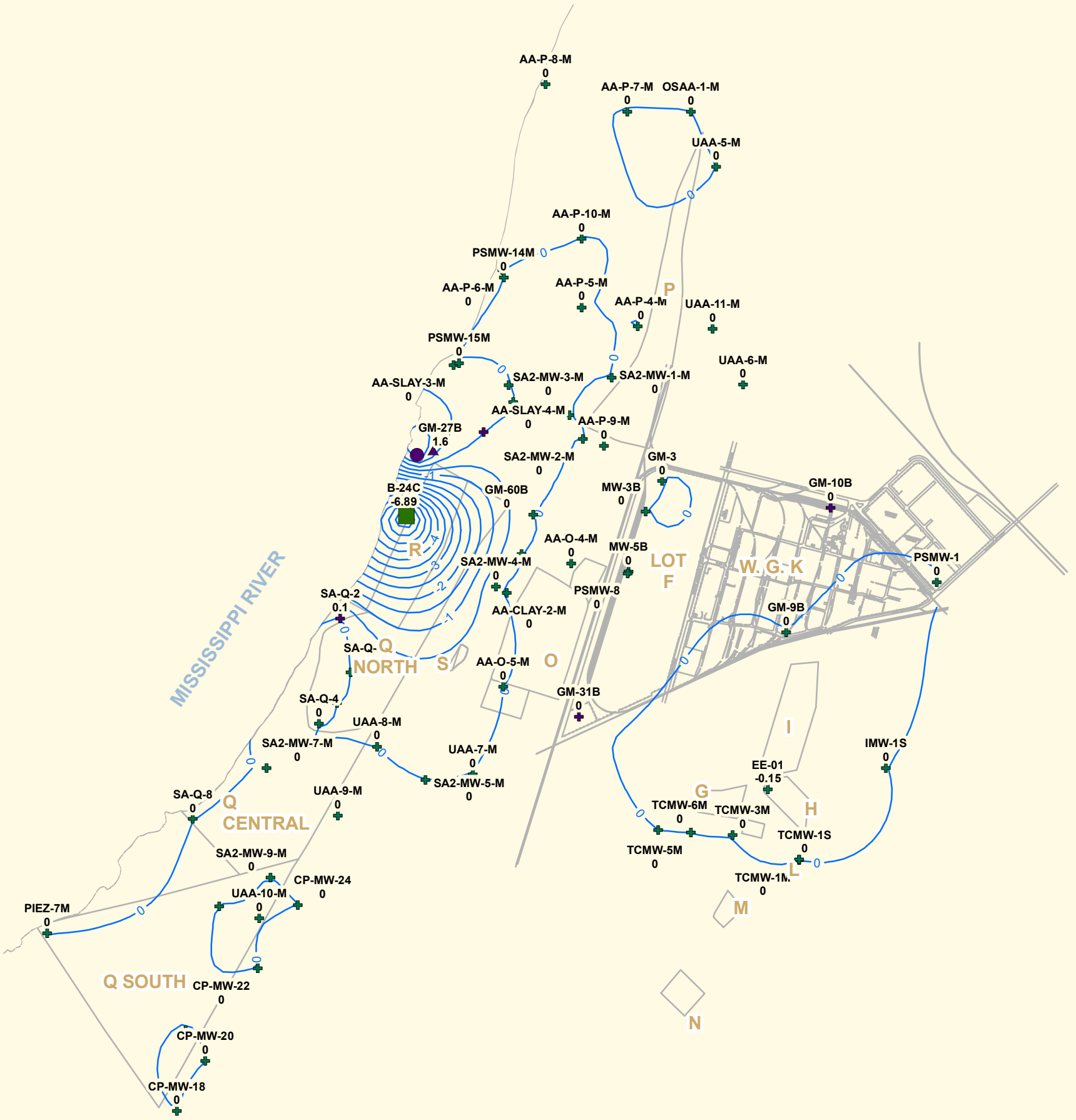
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 61**

Spatial Correlation Between Simulated and Measured Concentrations

2,4-Dichlorophenoxyacetic Acid: Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

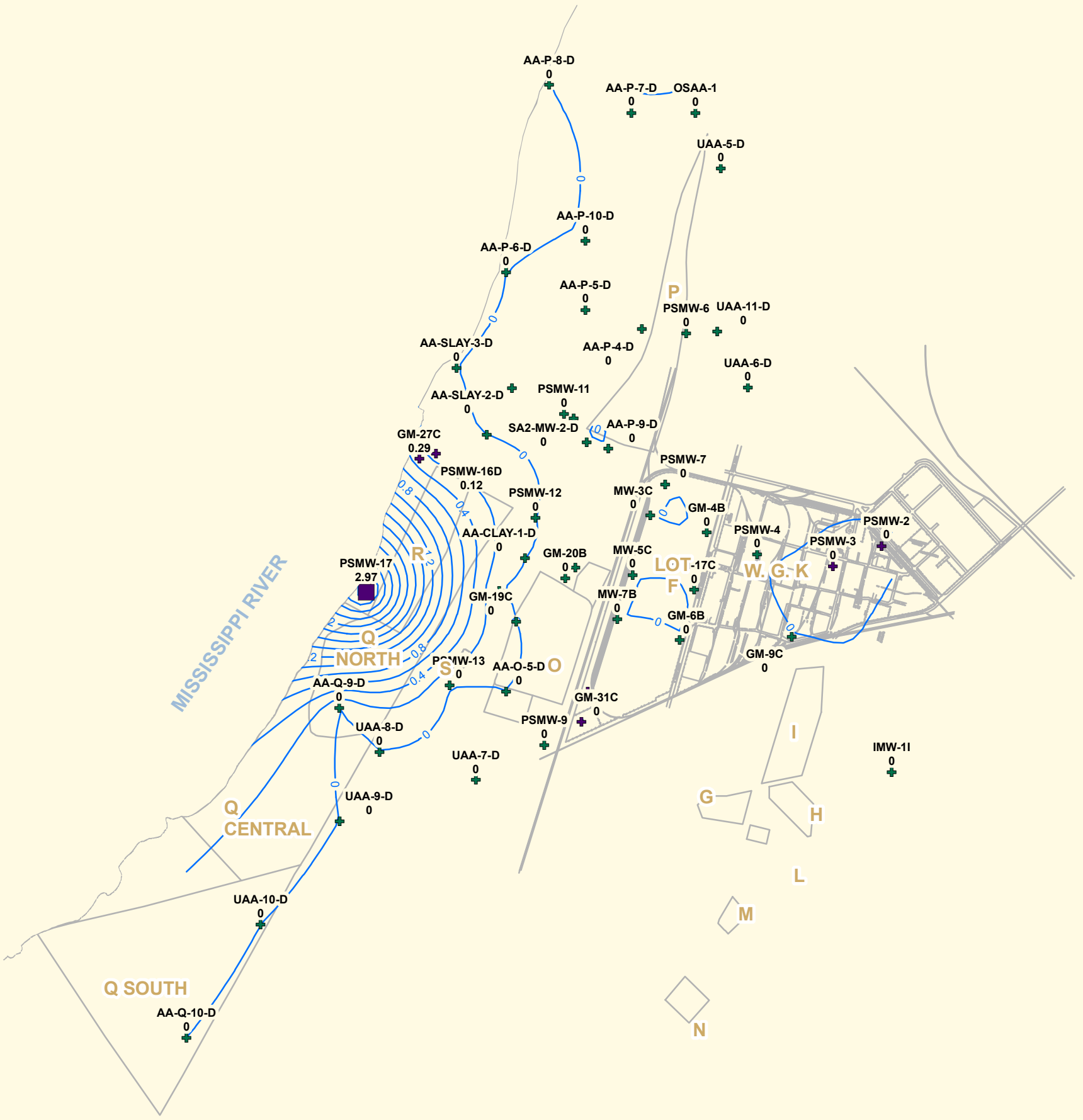
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 62**

Spatial Correlation Between Simulated and Measured Concentrations

2,4-Dichlorophenoxyacetic Acid: Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 63**

Spatial Correlation Between Simulated and Measured Concentrations

2,4-Dichlorophenoxyacetic Acid: Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-7-S <0.0005
OSAA-1-S <0.0005
UAA-5-S <0.0005
AA-P-10-S <0.0005
AA-P-6-S <0.0005
P
UAA-11-S <0.0005
SA-P-1-S <0.0005
UAA-6-S <0.0005
SA-P-2-S <0.0005
SA2-MW-3-S <0.0005
SA-P-3-S <0.0005
AA-P-9-S <0.0005
B-22A <0.005
SA2-MW-2-S <0.0005
GM-11 <0.0005
GM-60A <0.0005
GM-4A <0.0005
GM-1 <0.0005
AA-CLAY-1-S <0.001
GM-15 <0.0005
R
0.005
GM-5A <0.0005
GM-46 0.0088
W. G. K
LOT F
B-29B <0.005
CA-3 <0.0005
GM-9A <0.0005
GM-6A <0.002
MISSISSIPPI RIVER
SA-O-4-S <0.0005
SA-S-1-S <0.001
GM-7A <0.0005
Q NORTH
O
S
AA-O-5-S <0.0005
AA-Q-9-S <0.0005
SA-S-2-S <0.0005
GM-59A <0.0005
GM-8 <0.0005
UAA-8-S <0.0005
GM-31A <0.0005
I
SA-Q-6-S <0.0005
SA2-MW-5-S <0.0005
UAA-7-S <0.0005
0.1
0.005
1
G
H
L
03 <0.0005
UAA-9-S <0.0005
Q CENTRAL
TCMW-6S <0.0025
TCMW-2 <0.0025
TCMW-4 <0.0025
SA2-MW-9-S <0.0005
CP-MW-6-S <0.0005
UAA-10-S <0.0005
PIEZ-7S <0.0005
SA-Q-11-S <0.0005
SA-Q-10-S <0.0005
CP-MW-7-S <0.0005
M
CP-MW-10-S <0.0005
Q SOUTH
SA-Q-14-S <0.0005
CP-MW-12-S <0.0005
SA-Q-13-S <0.0005
N
SA-Q-15-S <0.0005
AA-Q-10-S <0.0005
CP-MW-16-S <0.0005

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Tetrachloroethene Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 64**

Calibrated Tetrachloroethene Plume

Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-M
<0.0005

AA-P-7-M
<0.0005

UAA-5-M
<0.0005

AA-P-10-M
<0.0005

PSMW-14M
<0.0005

AA-P-6-M
<0.0005

AA-P-5-M
<0.0005

AA-P-4-M
<0.0005

UAA-11-M
<0.0005

PSMW-15M
<0.0005

SA2-MW-1-M
<0.0005

UAA-6-M
<0.0005

AA-SLAY-3-M
<0.0005

SA2-MW-3-M
<0.0005

AA-SLAY-4-M
<0.0005

PSMW-16M
<0.0005

AA-P-9-M
<0.0005

SA2-MW-2-M
<0.0005

GM-3
<0.0005

GM-60B
<0.0005

AA-CLAY-1-M
<0.001

SA-O-1
<0.0005

PSMW-8
<0.0005

SA-Q-2
<0.0005

SA-Q-3
<0.0005

GM-9B
<0.001

AA-O-5-M
<0.0005

GM-31B
<0.0005

SA-Q-4
<0.0005

UAA-8-M
<0.0005

SA2-MW-7-M
<0.0005

SA2-MW-6-M
<0.0005

UAA-7-M
<0.0005

SA2-MW-5-M
<0.0005

IMW-1S
<0.0025

SA-Q
<0.000

UAA-9-M
<0.0005

TCMW-6M
<0.0025

TCMW-5M
<0.0025

TCMW-1S
<0.0025

TCMW-3M
<0.0025

SA2-MW-9-M
<0.0005

CP-MW-24
<0.0005

UAA-10-M
<0.0005

TCMW-1M
<0.0025

PIEZ-7M
<0.0005

SA2-MW-10-M
<0.0025

CP-MW-22
<0.0005

CP-MW-20
<0.0005

CP-MW-18
<0.0005

0.005

0.1

0.005

MISSISSIPPI RIVER

R

S

O

Q NORTH

Q CENTRAL

Q SOUTH

LOT F

W, G, K

I

H

G

L

M

N

P

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Tetrachloroethene Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 65**

Calibrated Tetrachloroethene Plume

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-D
<0.0005

AA-P-7-D
<0.0005

OSAA-1
<0.0005

AA-P-10-D
<0.0005

AA-P-6-D
<0.001

AA-P-5-D
<0.0025

P

PSMW-6
<0.0005

UAA-11-D
<0.0005

AA-SLAY-3-D
<0.0005

AA-SLAY-2-D
<0.0025

UAA-6-D
<0.0005

SA2-MW-2-D
<0.001

PSMW-7
<0.0025

0.005

R

MISSISSIPPI RIVER

MW-5C
<0.002

GM-17B
<0.001

W. G. K

LOT
F

GM-19C
<0.0005

GM-9C
<0.0005

Q
NORTH

PSMW-13
<0.00

S

O

AA-O-5-D
<0.0005

GM-18B
<0.001

AA-Q-9-D
<0.0005

PSMW-9
<0.0005

UAA-8-D
<0.0005

I

IMW-1I
<0.0005

UAA-7-D
<0.0005

0.005

Q
CENTRAL

UAA-9-D
<0.0005

G

H

L

UAA-10-D
<0.0005

M

Q SOUTH

N

AA-Q-10-D
<0.0005

SCALE (ft)

0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Tetrachloroethene Concentrations

- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

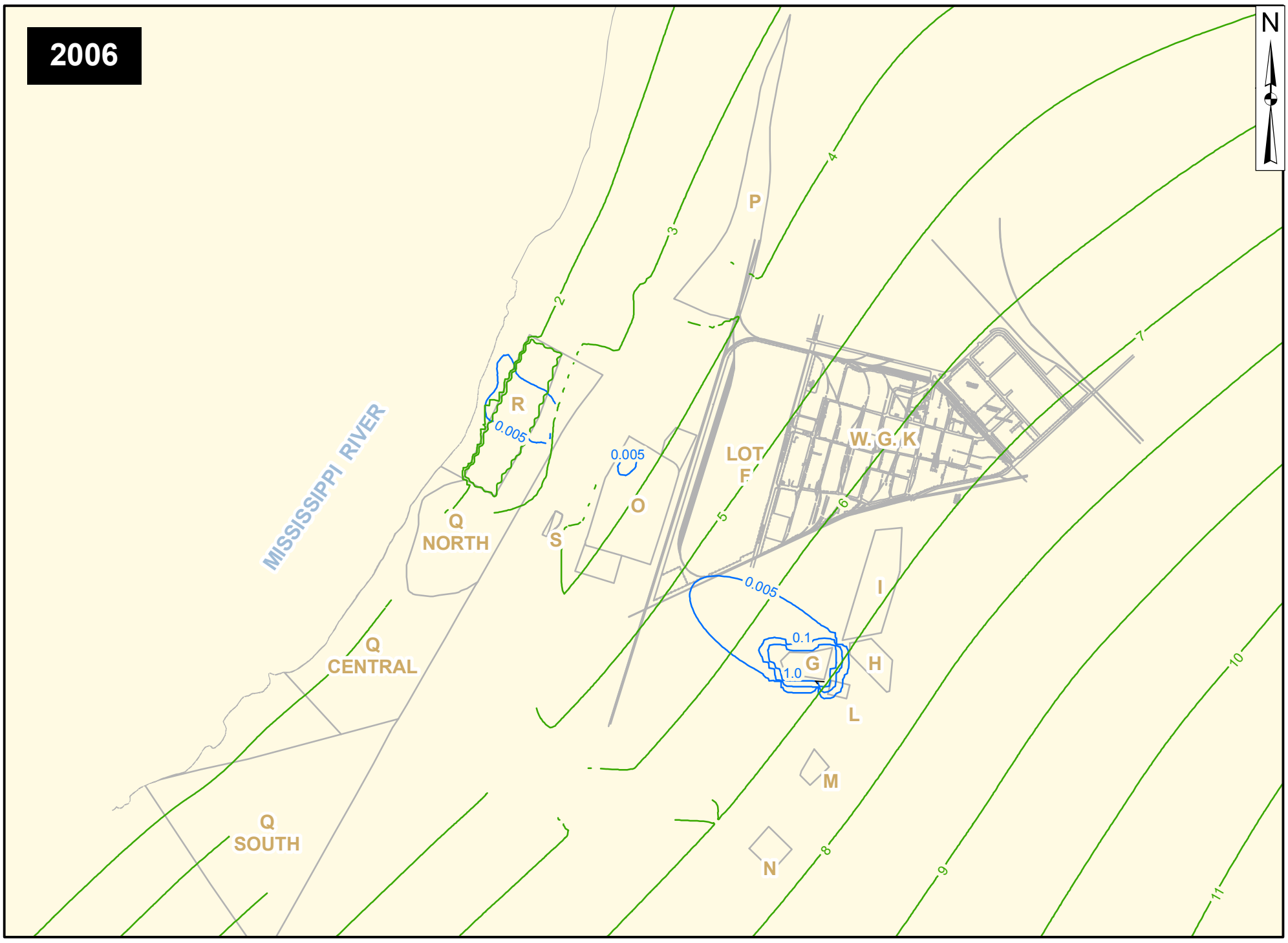
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 66**

Calibrated Tetrachloroethene Plume

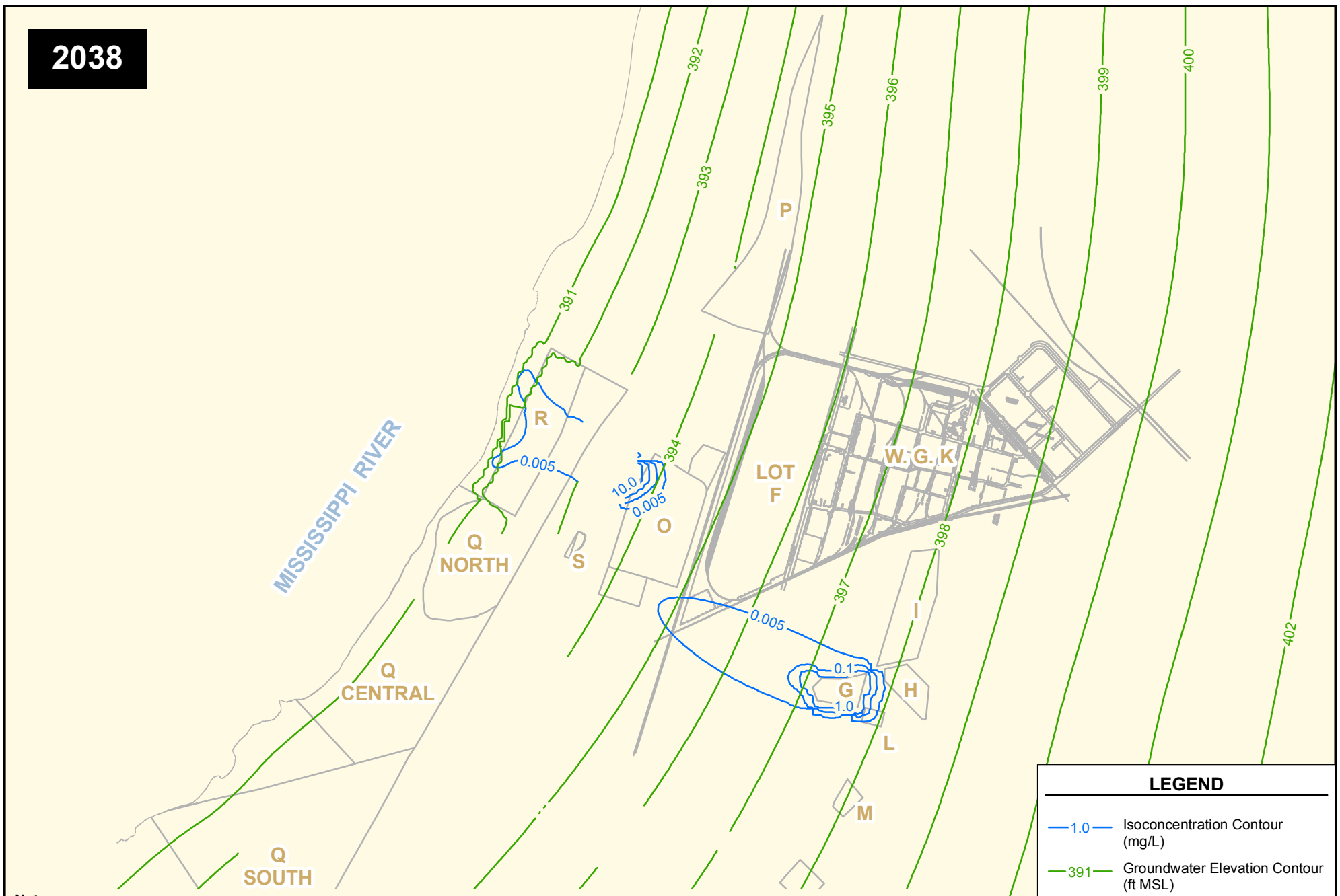
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Breaks in contour lines are due to model dry cells.
3) No observable plume in 1980 or 2000.

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,600 3,200

GSI ENVIRONMENTAL

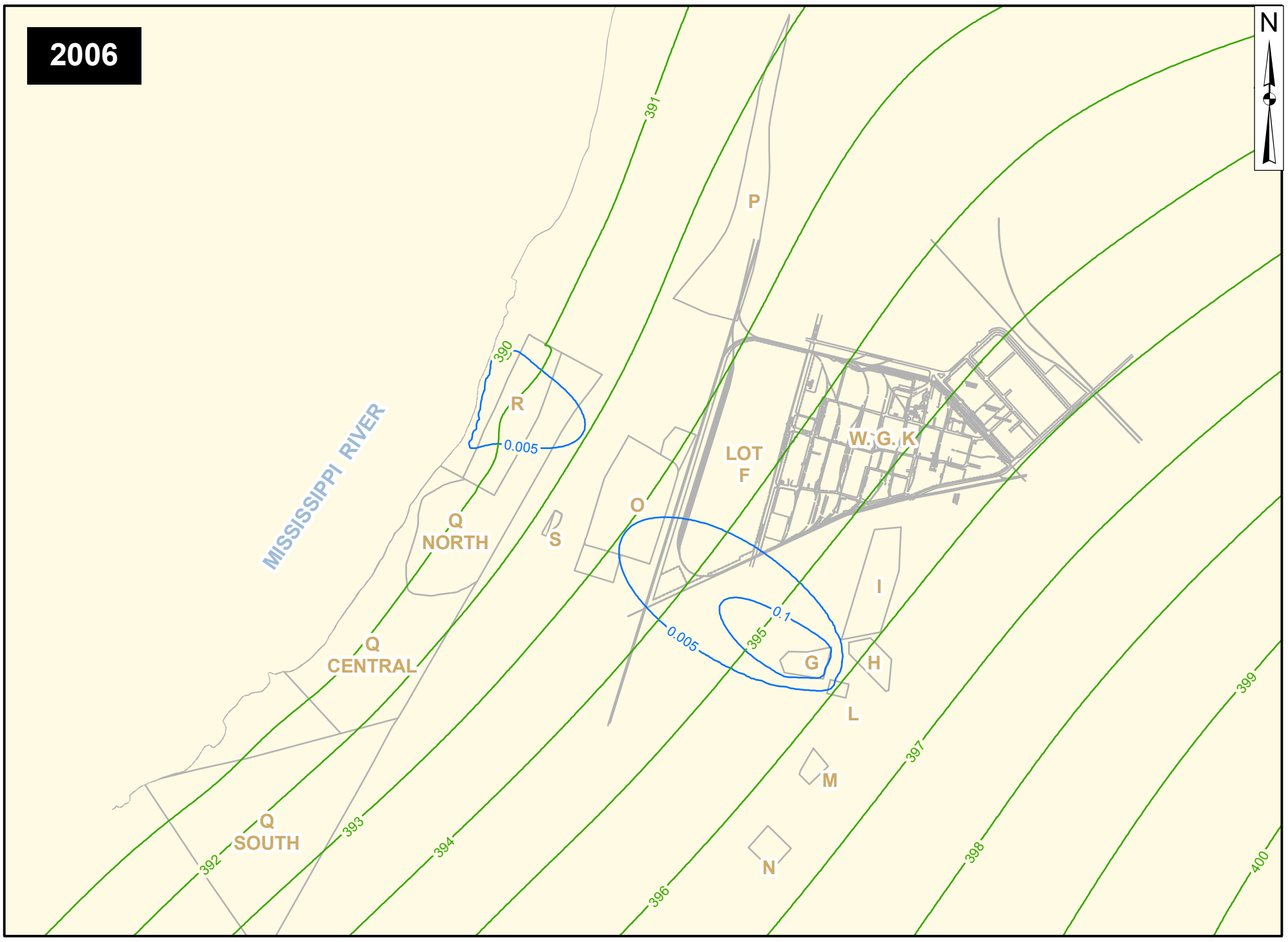
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 67**

Simulated Tetrachloroethene Plume

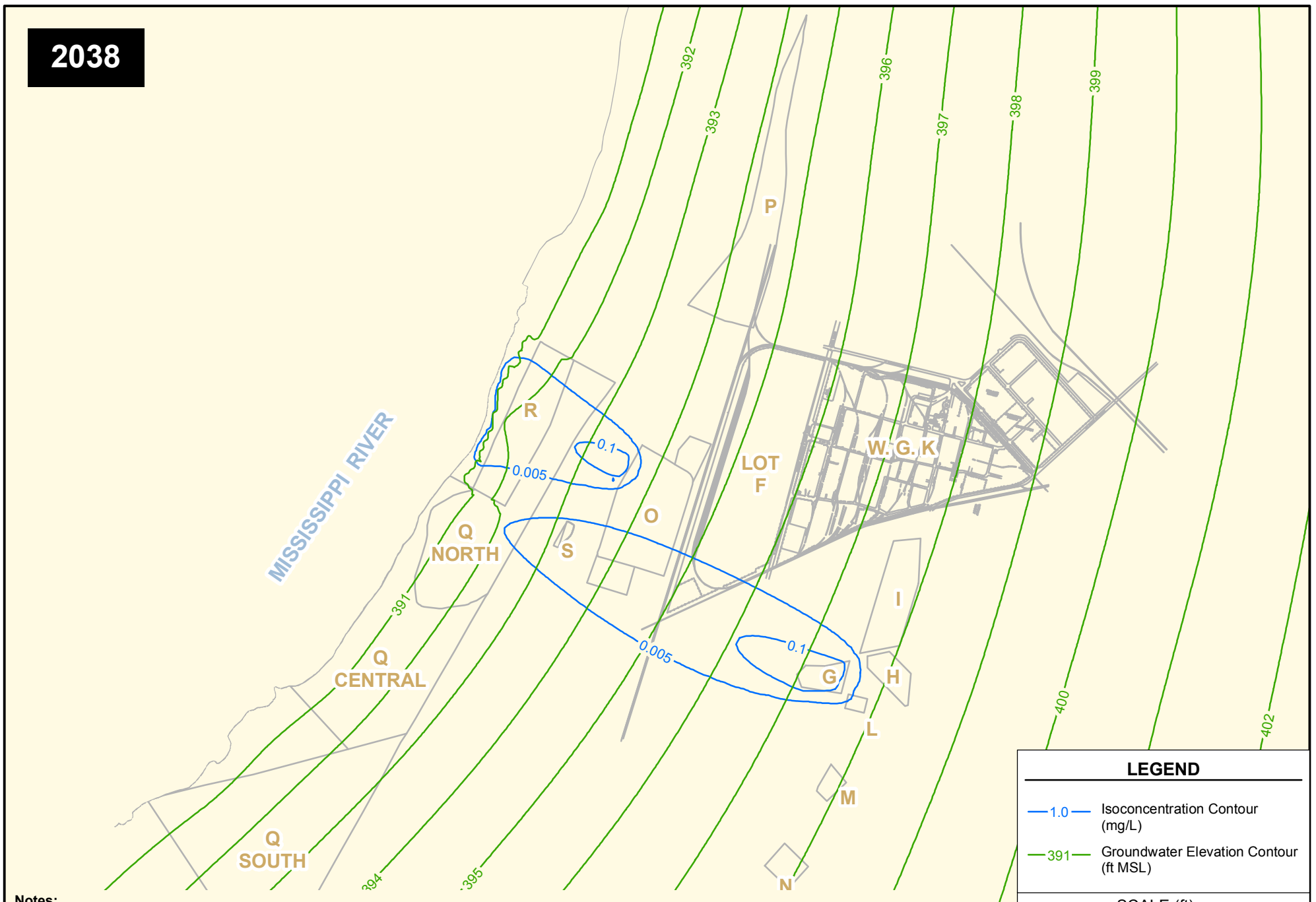
Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



LEGEND

- 1.0 — Isoconcentration Contour (mg/L)
- 391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 — 1,600 — 3,200

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) No observable plume in 1980 or 2000.

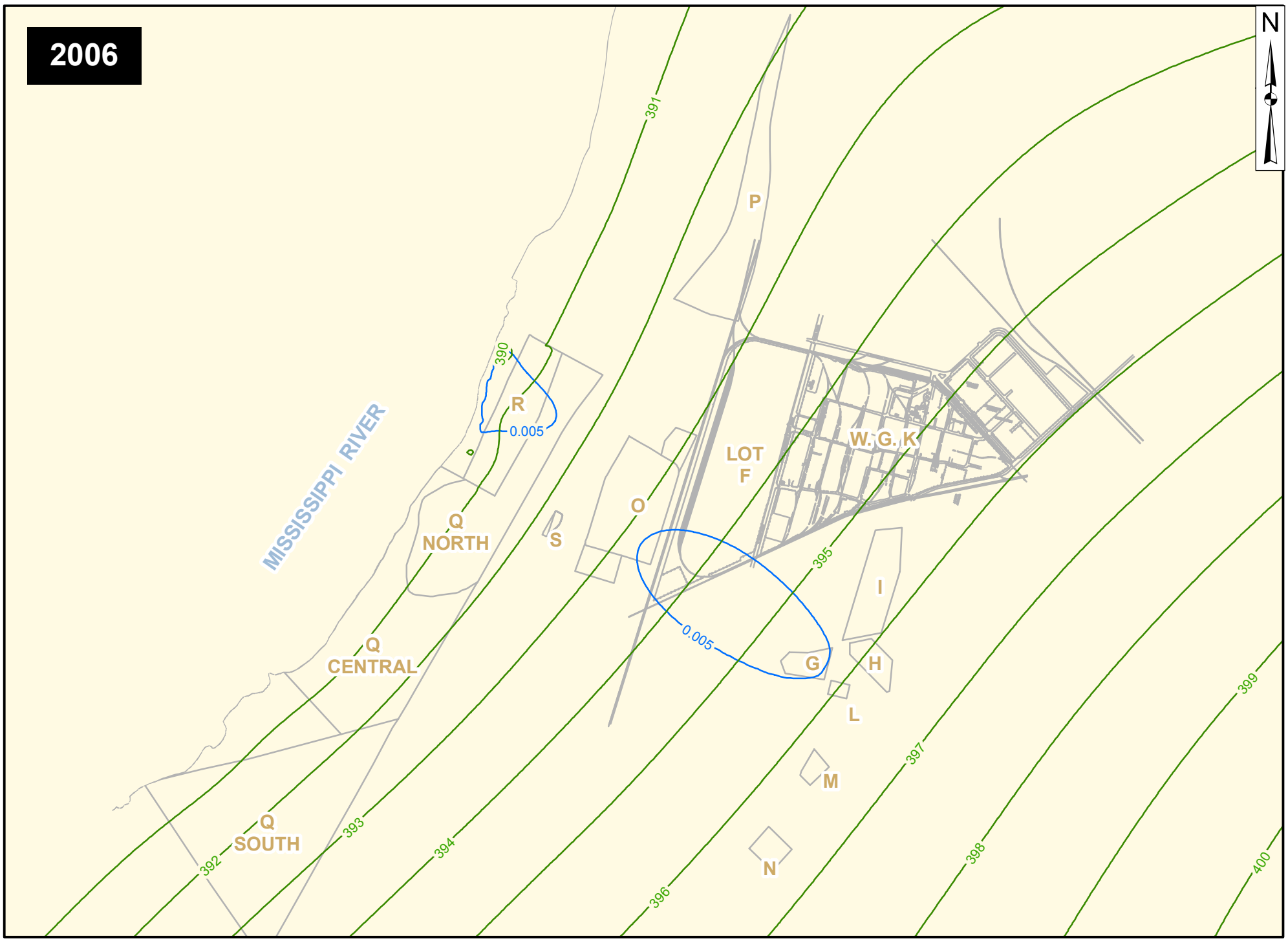
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 68**

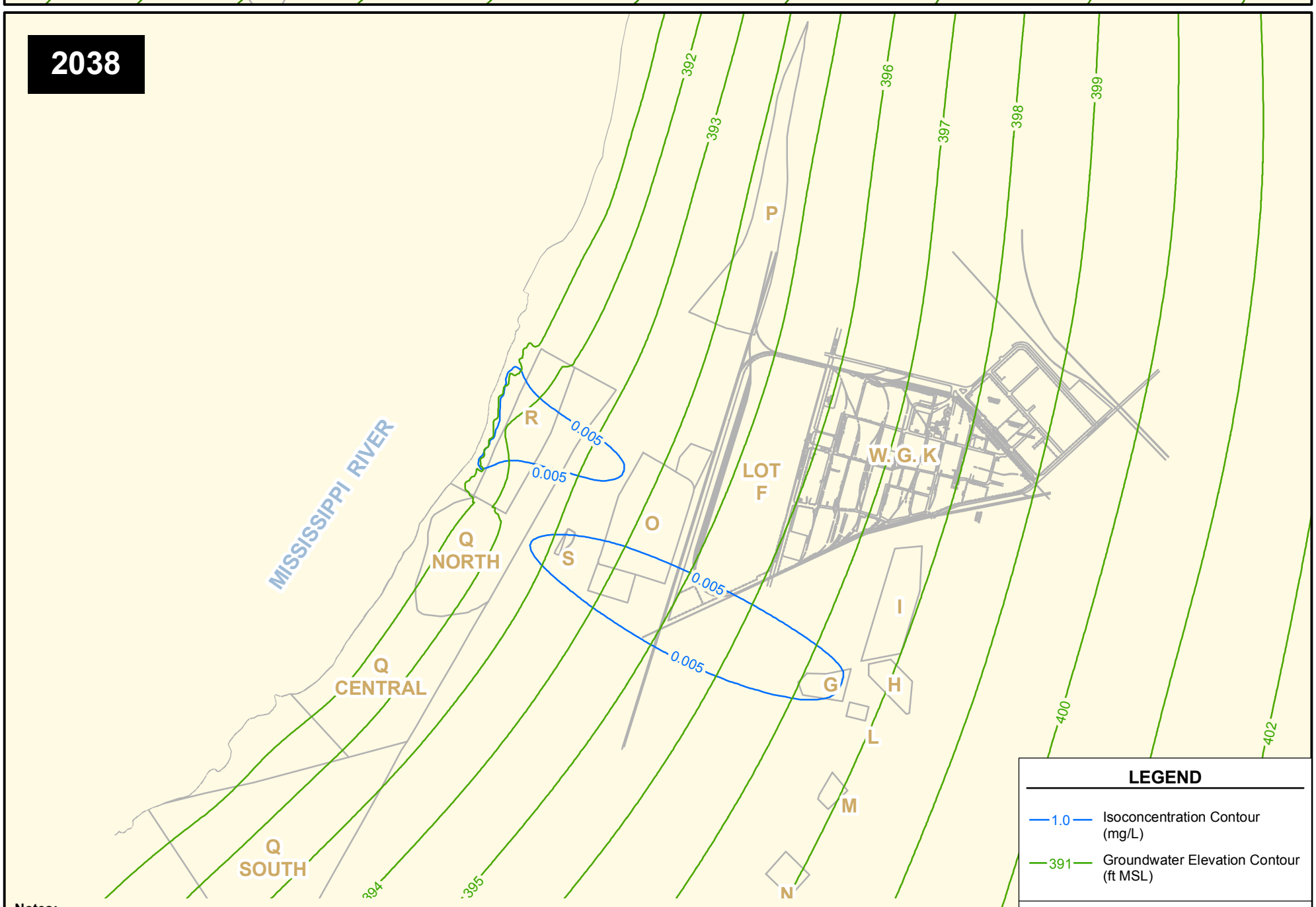
Simulated Tetrachloroethene Plume
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) No observable plume in 1980 or 2000.

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 69**

Simulated Tetrachloroethene Plume

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006

N

MISSISSIPPI RIVER

P

R

O

LOT F

W. G. K

Q NORTH

Q CENTRAL

Q SOUTH

S

I

G

H

L

M

N

0.1

1.0

10.0

100.0

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Model was divided into two segments: one from 1950 to 2003 with no GMCS and the other from 2003 to 2006 with the GMCS in place.

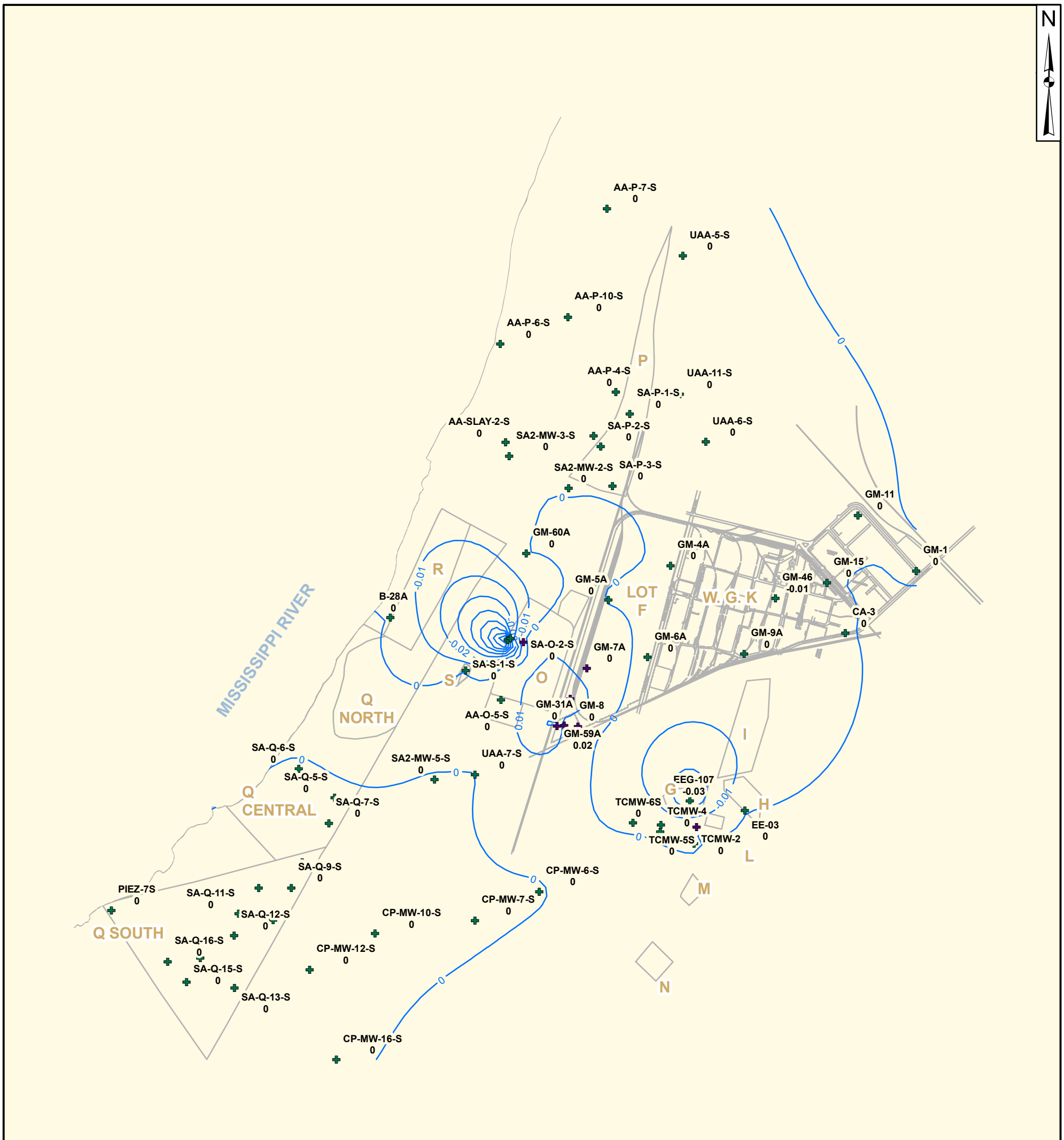
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 7**

Qualitative Calibration: Case 3

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

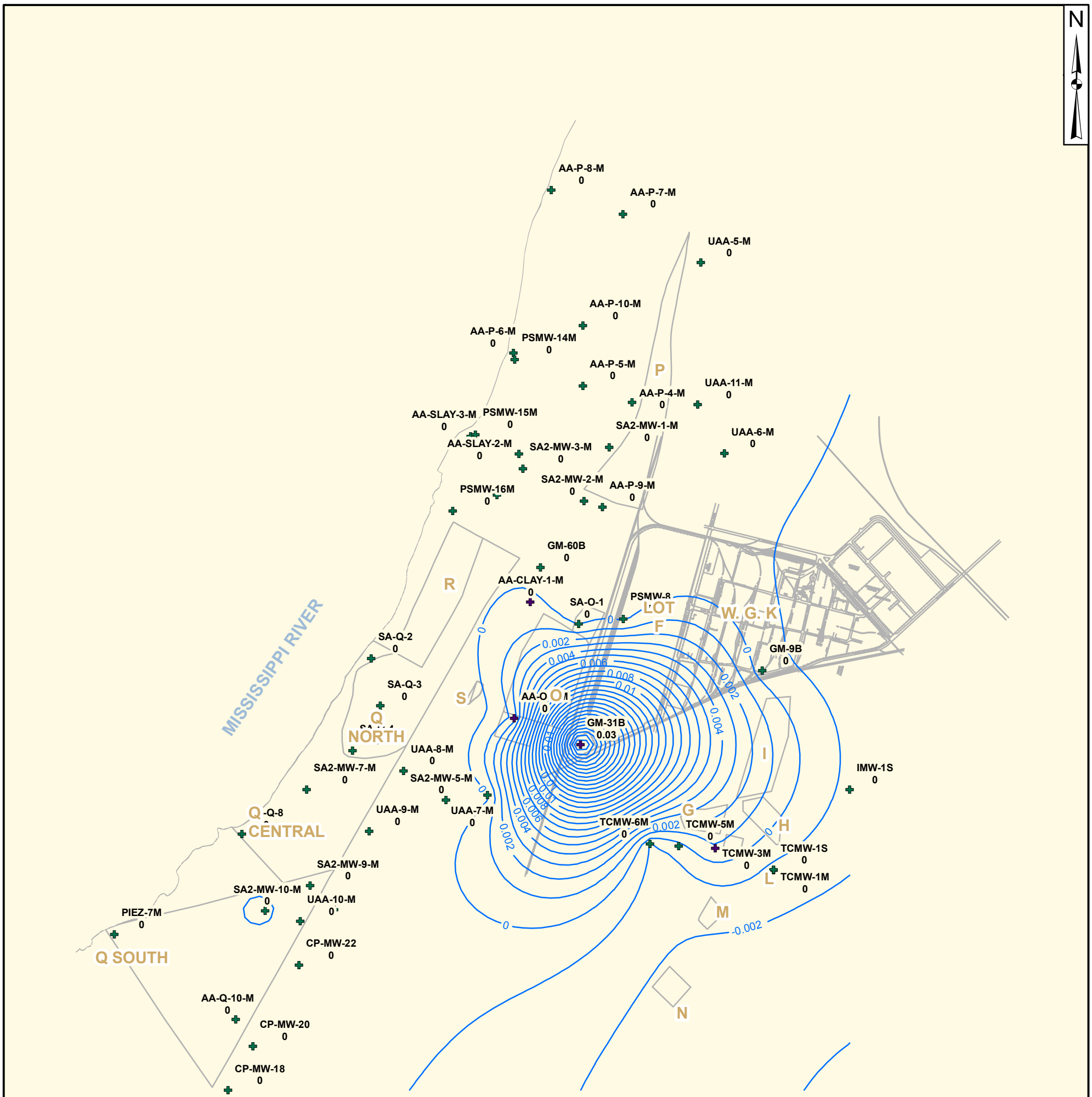
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 70**

Spatial Correlation Between Simulated and Measured Concentrations

Tetrachloroethene: Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

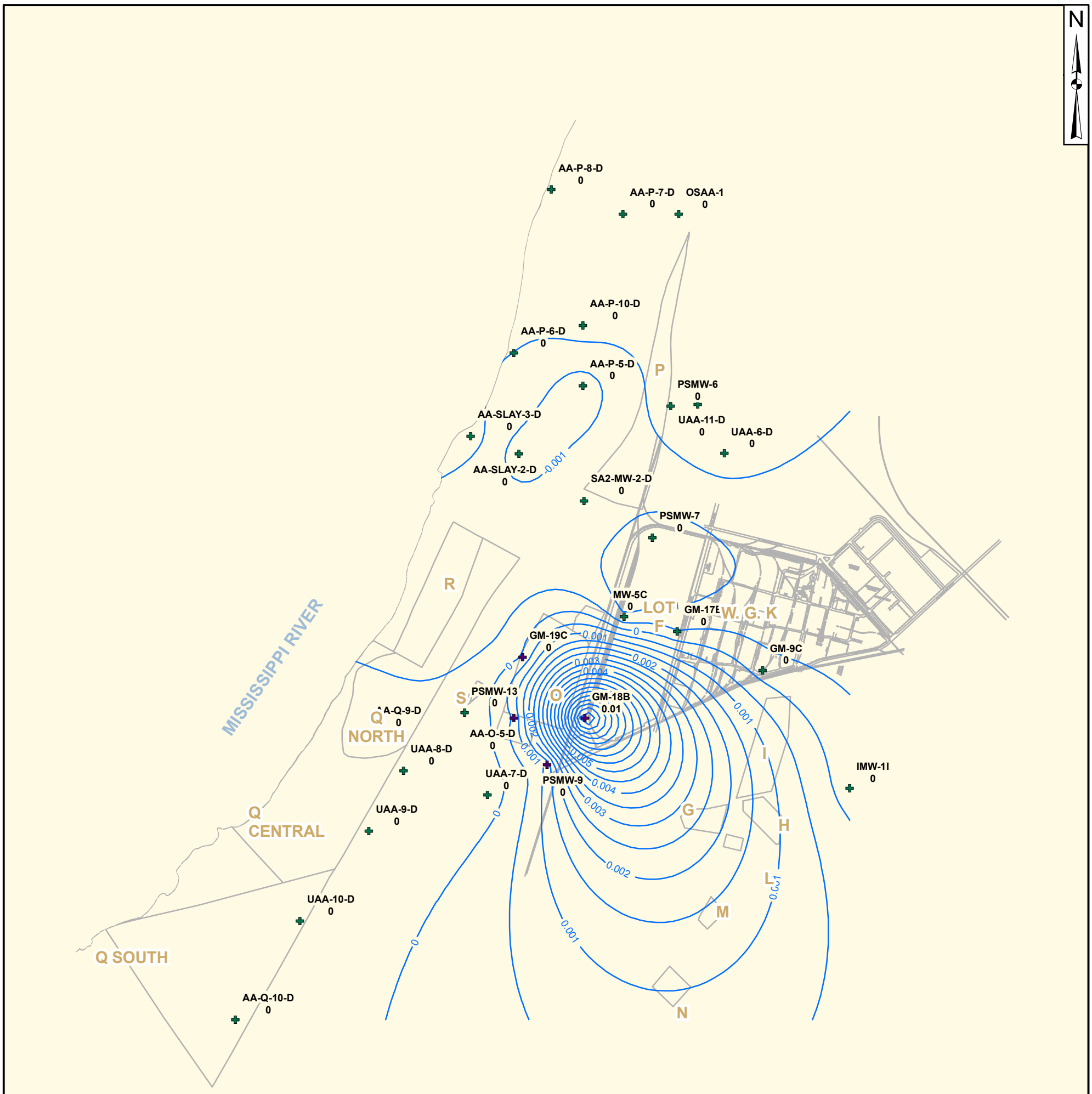
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 71**

Spatial Correlation Between Simulated and Measured Concentrations

Tetrachloroethene: Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 72**

Spatial Correlation Between Simulated and Measured Concentrations

Tetrachloroethene: Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-7-S <0.0005
OSAA-1-S <0.0005
UAA-5-S <0.0005
AA-P-10-S <0.0005
AA-P-6-S <0.0005
P
UAA-11-S <0.0005
SA-P-1-S <0.0005
UAA-6-S <0.0005
SA-P-2-S <0.0005
SA2-MW-3-S <0.0005
SA-P-3-S <0.0005
AA-P-9-S <0.0005
B-22A <0.005
SA2-MW-2-S <0.0005
GM-11 <0.0005
GM-60A <0.0005
GM-4A <0.0005
GM-1 <0.0005
GM-15 <0.0005
AA-CLAY-1-S 0.0017
GM-46 <0.0005
GM-5A <0.0005
R
0.01
0.005
0.01
0.01
B-28A <0.001
B-29B <0.005
W. G. K
LOT F
CA-3 <0.0005
GM-19A 0.055
SA-O-3-S 0.024
GM-9A <0.0005
GM-6A <0.002
SA-O-4-S <0.0005
GM-7A <0.0005
SA-S-1-S <0.001
O
Q NORTH
S
A-O-5-S 0.0005
AA-Q-9-S <0.0005
SA-S-2-S <0.0005
GM-59A <0.0005
GM-8 <0.0005
MISSISSIPPI RIVER
UAA-8-S <0.0005
GM-31A <0.0005
I
SA-Q-6-S <0.0005
SA2-MW-5-S <0.0005
UAA-7-S <0.0005
0.01
EEG-107
0.39
H
03 <0.0005
0.005
G
L
TCMW-4
<0.0014
TCMW-2
<0.0014
TCMW-6S
<0.0014
TCMW-5S
<0.0014
UAA-9-S <0.0005
Q CENTRAL
SA-Q-7-S
05
SA2-MW-9-S <0.0005
CP-MW-6-S <0.0005
UAA-10-S <0.0005
PIEZ-7S 0.001
SA-Q-11-S <0.0005
SA-Q-10-S <0.0005
CP-MW-7-S <0.0005
M
CP-MW-10-S <0.0005
Q SOUTH
SA-Q-16-S <0.0005
SA-Q-14-S <0.0005
CP-MW-12-S <0.0005
N
SA-Q-13-S <0.0005
SA-Q-15-S <0.0005
AA-Q-10-S <0.0005
CP-MW-16-S <0.0005

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Trichloroethene Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 73**

Calibrated Trichloroethene Plume

Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-M
<0.0005

AA-P-7-M
<0.0005

UAA-5-M
<0.0005

AA-P-10-M
<0.0005

PSMW-14M
<0.0005

AA-P-6-M
<0.0005

AA-P-5-M
<0.0005

P

AA-P-4-M
<0.0005

UAA-11-M
<0.0005

PSMW-15M
<0.0005

SA2-MW-1-M
<0.0005

UAA-6-M
<0.0005

AA-SLAY-3-M
<0.0005

SA2-MW-3-M
<0.0005

AA-SLAY-4-M
<0.0005

PSMW-16M
<0.0005

AA-P-9-M
<0.0005

SA2-MW-2-M
<0.0005

GM-3A
<0.0005

B-24C
0.054

0.01

GM-60B
<0.0005

R

SA2-MW-4-M
<0.001

0.005

SA-O-1
<0.0005

PSMW-8
<0.0005

W, G, K

LOT
F

GM-9B
<0.001

SA-Q-2
<0.0005

MISSISSIPPI RIVER

Q
NORTH

S

AA-O-5-M
<0.0005

O

GM-31B
<0.0005

0.005

SA-Q-4
<0.0005

UAA-8-M
<0.0005

SA2-MW-7-M
<0.0005

SA2-MW-6-M
<0.0005

UAA-7-M
<0.0005

SA2-MW-5-M
<0.0005

0.01

0.1

I

IMW-1S
<0.0025

SA-Q
<0.000

Q
CENTRAL

UAA-9-M
<0.0005

G

H

TCMW-6M
<0.0014

TCMW-5M
<0.0014

L

TCMW-1S
<0.0014

TCMW-3M
<0.0014

TCMW-1M
<0.0014

SA2-MW-9-M
<0.0005

CP-MW-24
<0.0005

UAA-10-M
<0.0005

M

PIEZ-7M
<0.0005

SA2-MW-10-M
<0.0025

CP-MW-22
<0.0005

Q SOUTH

N

CP-MW-20
<0.0005

CP-MW-18
<0.0005

SCALE (ft)
0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Trichloroethene Concentrations

- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 74**

Calibrated Trichloroethene Plume

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-D
<0.0005

AA-P-7-D
<0.0005

OSAA-1
<0.0005

AA-P-10-D
<0.0005

AA-P-6-D
<0.001

AA-P-5-D
<0.0025

P

PSMW-6
<0.0005

UAA-11-D
<0.0005

AA-SLAY-3-D
<0.0005

AA-SLAY-2-D
<0.0025

UAA-6-D
<0.0005

SA2-MW-2-D
<0.001

PSMW-7
<0.0025

MW-5C
<0.002

GM-17B
<0.001

W. G. K

LOT F

GM-19C
<0.0005

GM-9C
<0.0005

R

0.01

0.005

MISSISSIPPI RIVER

Q
NORTH

PSMW-13
<0.00

S

O

AA-O-5-D
<0.0005

GM-18B
<0.001

AA-Q-9-D
<0.0005

PSMW-9
<0.0005

UAA-8-D
<0.0005

UAA-7-D
<0.0005

I

IMW-1I
<0.0005

0.005

0.01

Q
CENTRAL

UAA-9-D
<0.0005

G

H

L

UAA-10-D
<0.0005

M

Q SOUTH

N

AA-Q-10-D
<0.0005

SCALE (ft)

0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Trichloroethene Concentrations

- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

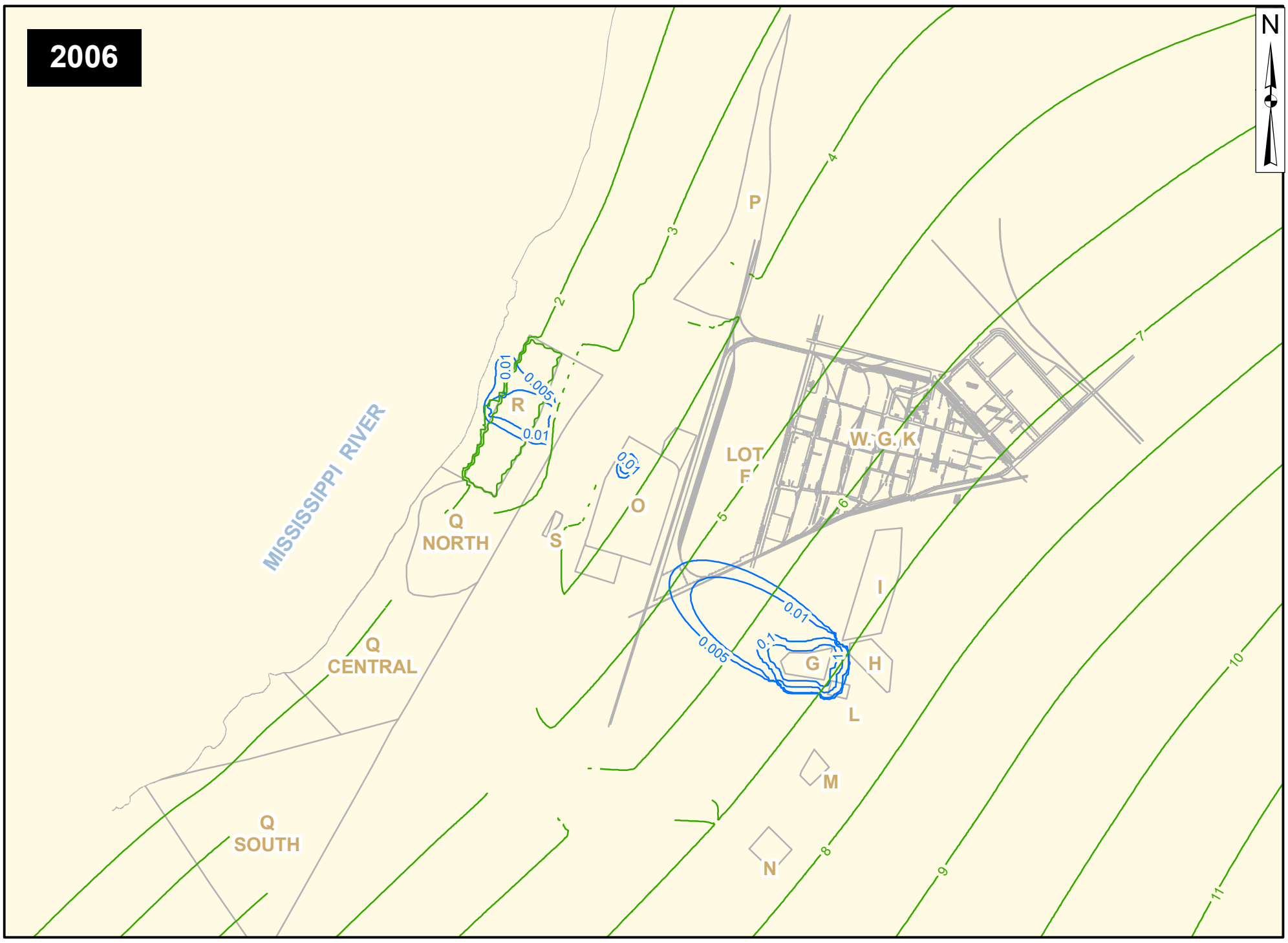
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 75**

Calibrated Trichloroethene Plume

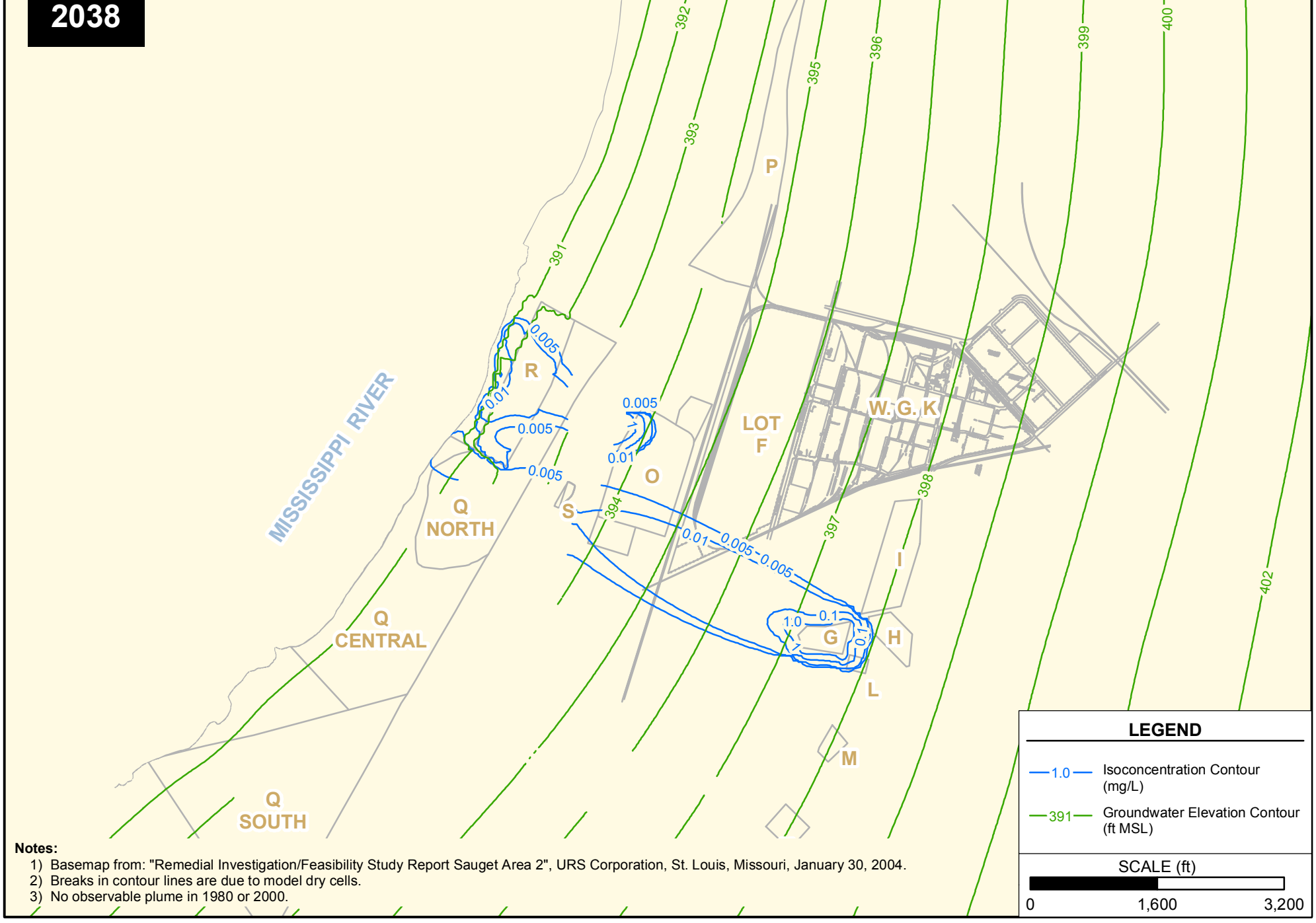
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



LEGEND

- 1.0 — Isoconcentration Contour (mg/L)
- 391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 — 1,600 — 3,200

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Breaks in contour lines are due to model dry cells.
3) No observable plume in 1980 or 2000.

GSI ENVIRONMENTAL

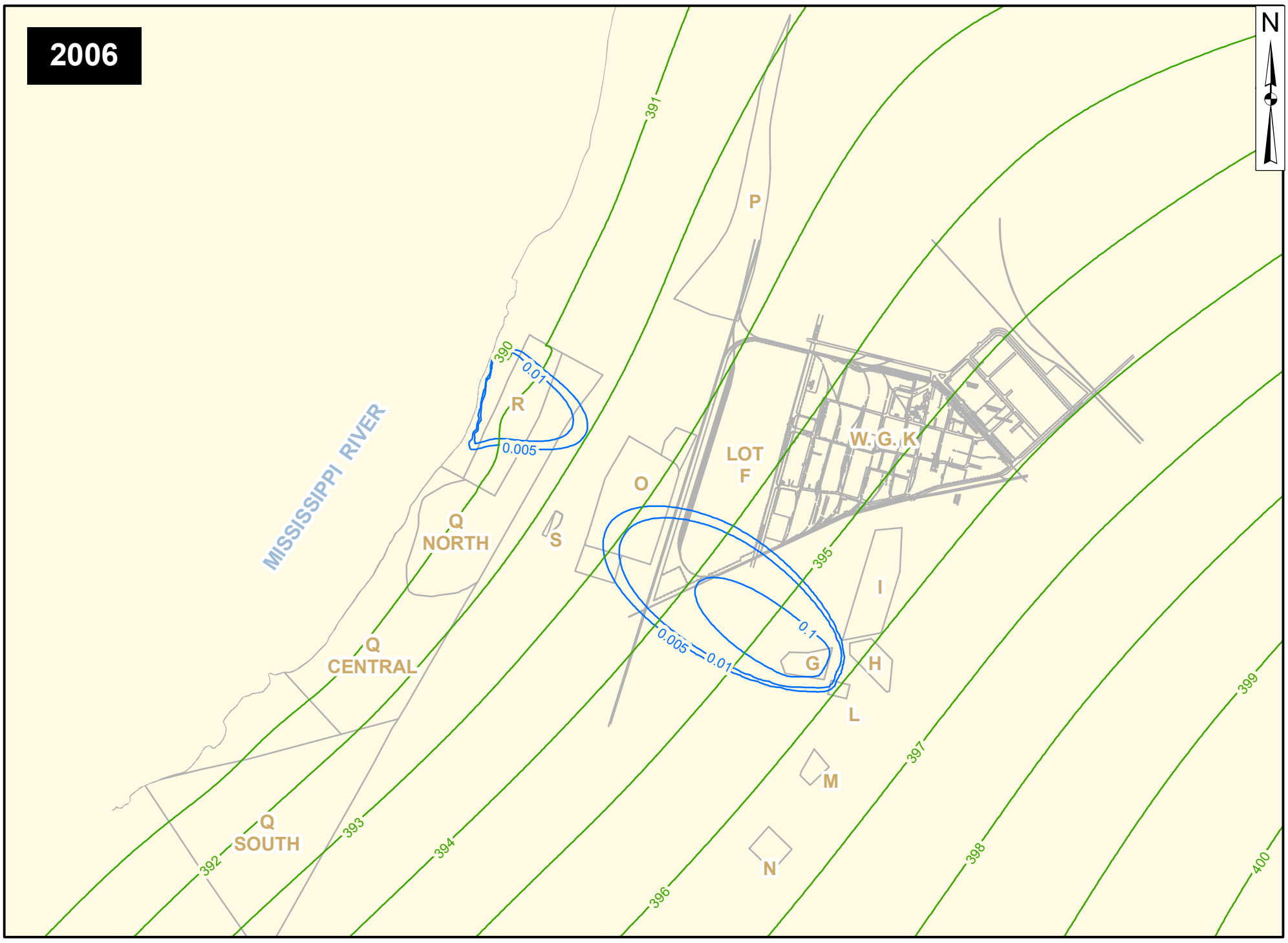
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 76**

Simulated Trichloroethene Plume

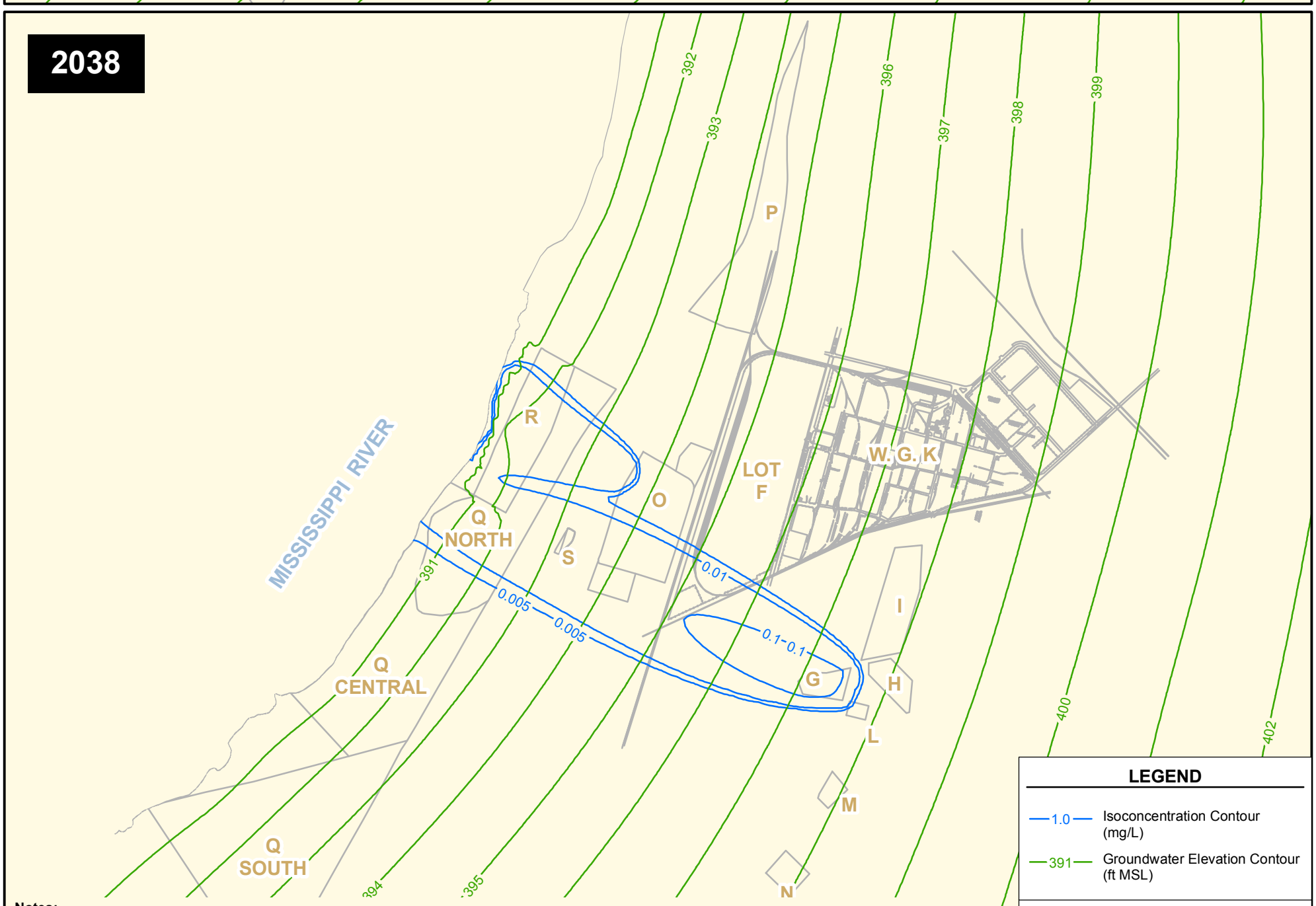
Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) No observable plume in 1980 or 2000.

GSI ENVIRONMENTAL

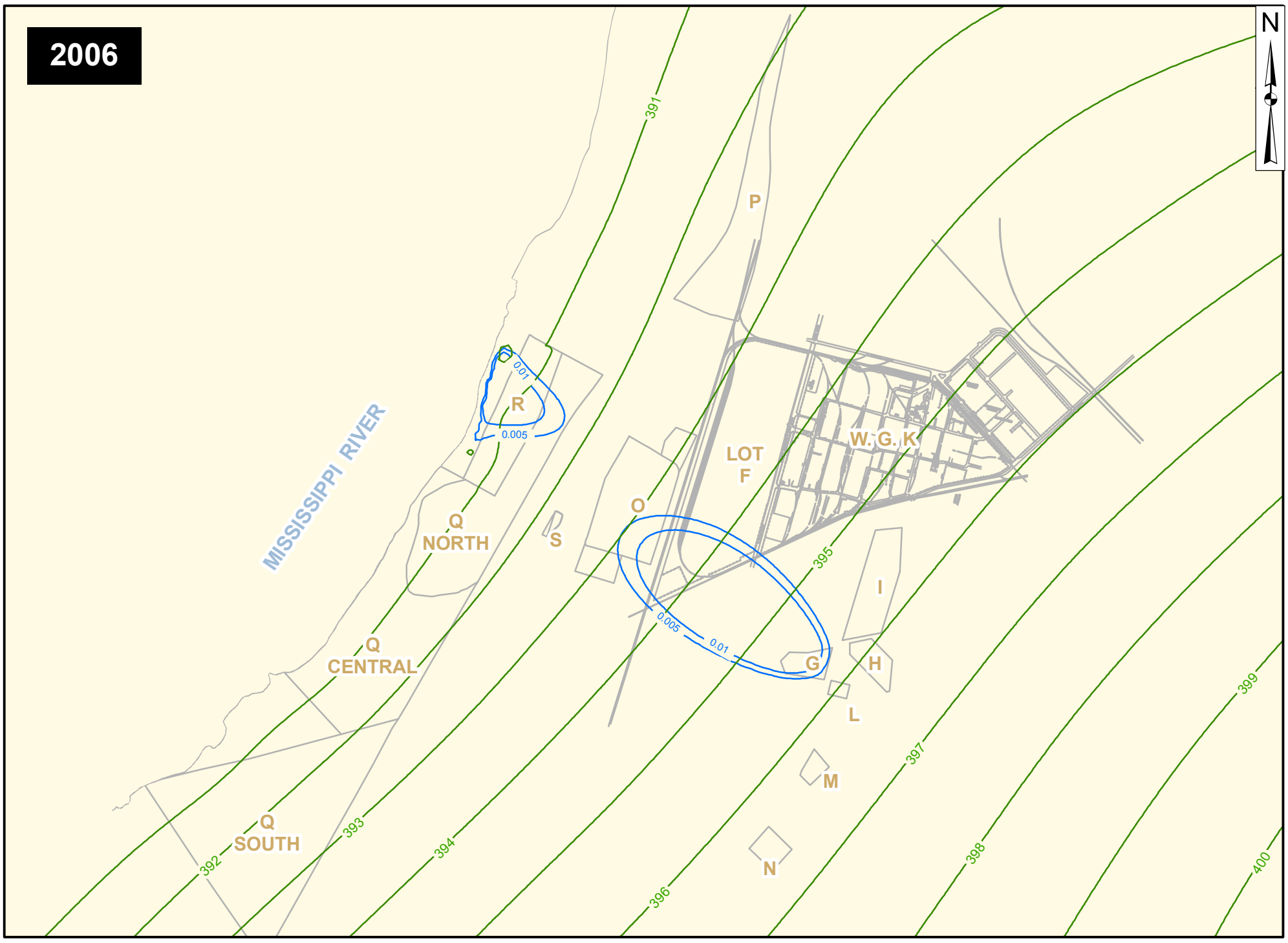
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 77**

Simulated Trichloroethene Plume

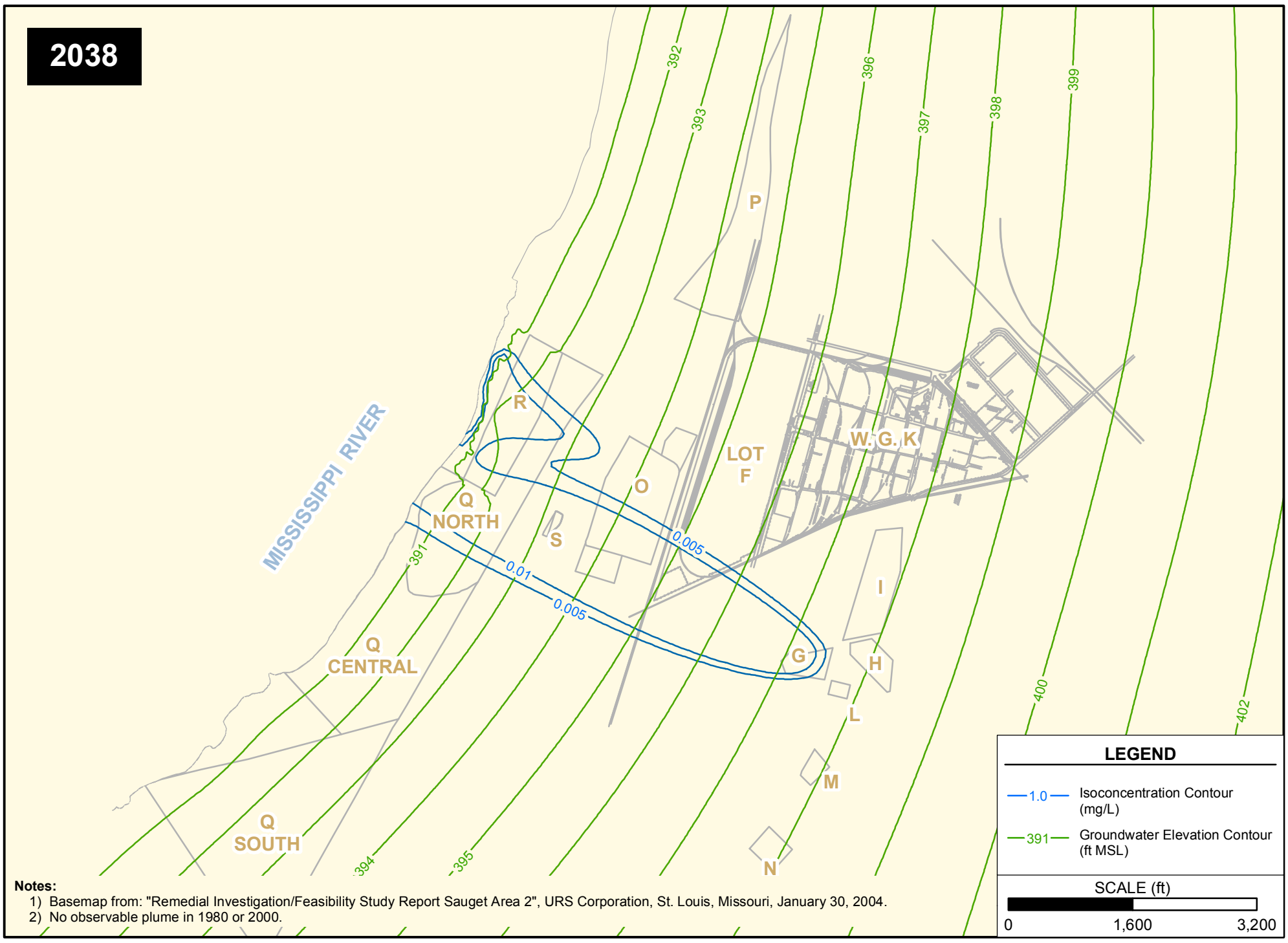
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) No observable plume in 1980 or 2000.

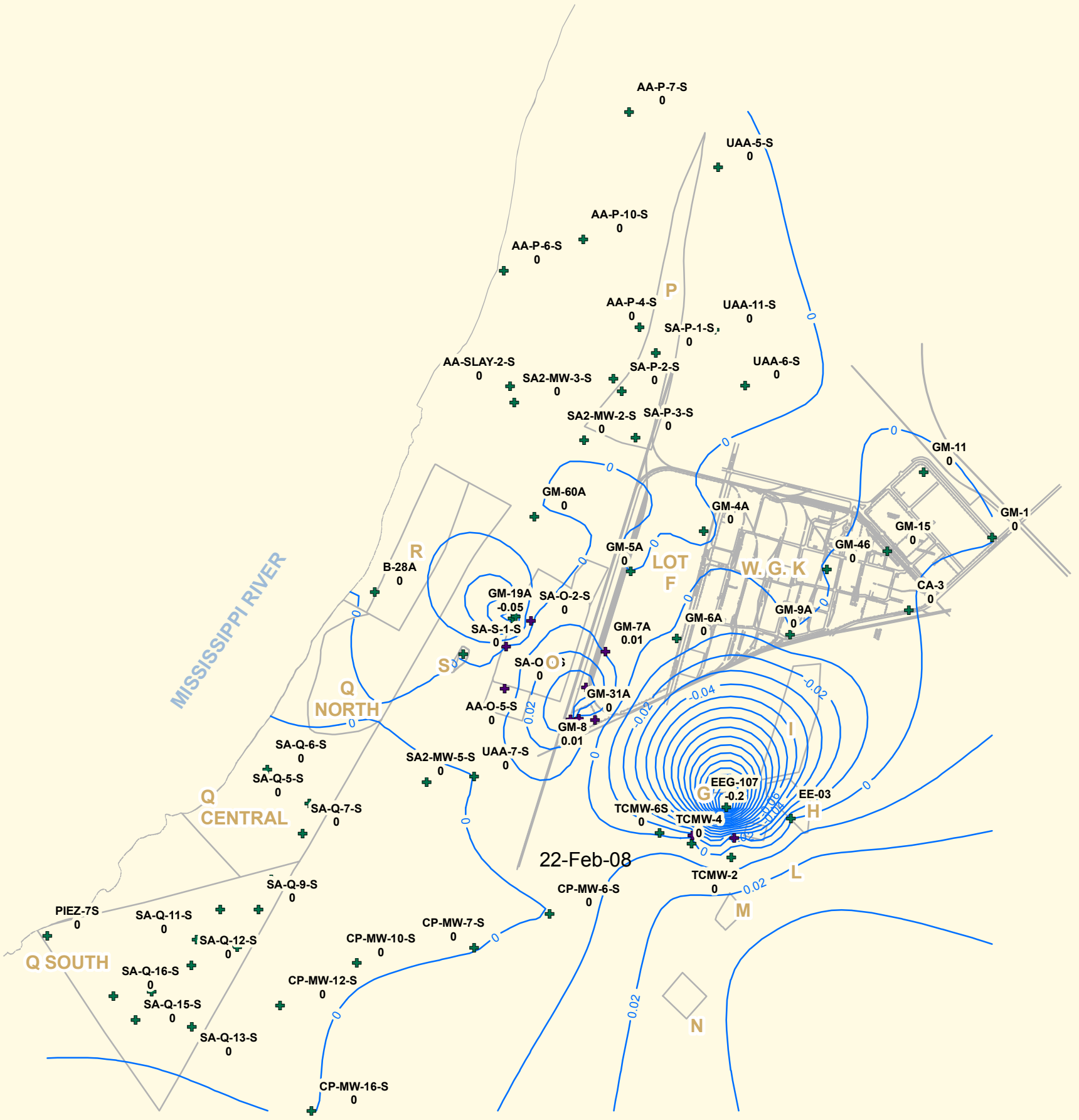
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 78**

Simulated Trichloroethene Plume

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 79**

Spatial Correlation Between Simulated and Measured Concentrations

Trichloroethene: Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006

N

MISSISSIPPI RIVER

P

R

O

S

Q NORTH

Q CENTRAL

Q SOUTH

LOT F

W, G, K

I

G

H

L

M

N

0.0

0.1

1.0

10.0

100.0

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Model was run with retardation factor of 6 and a first-order biodegradation rate constant of 0.0023 day^{-1}.

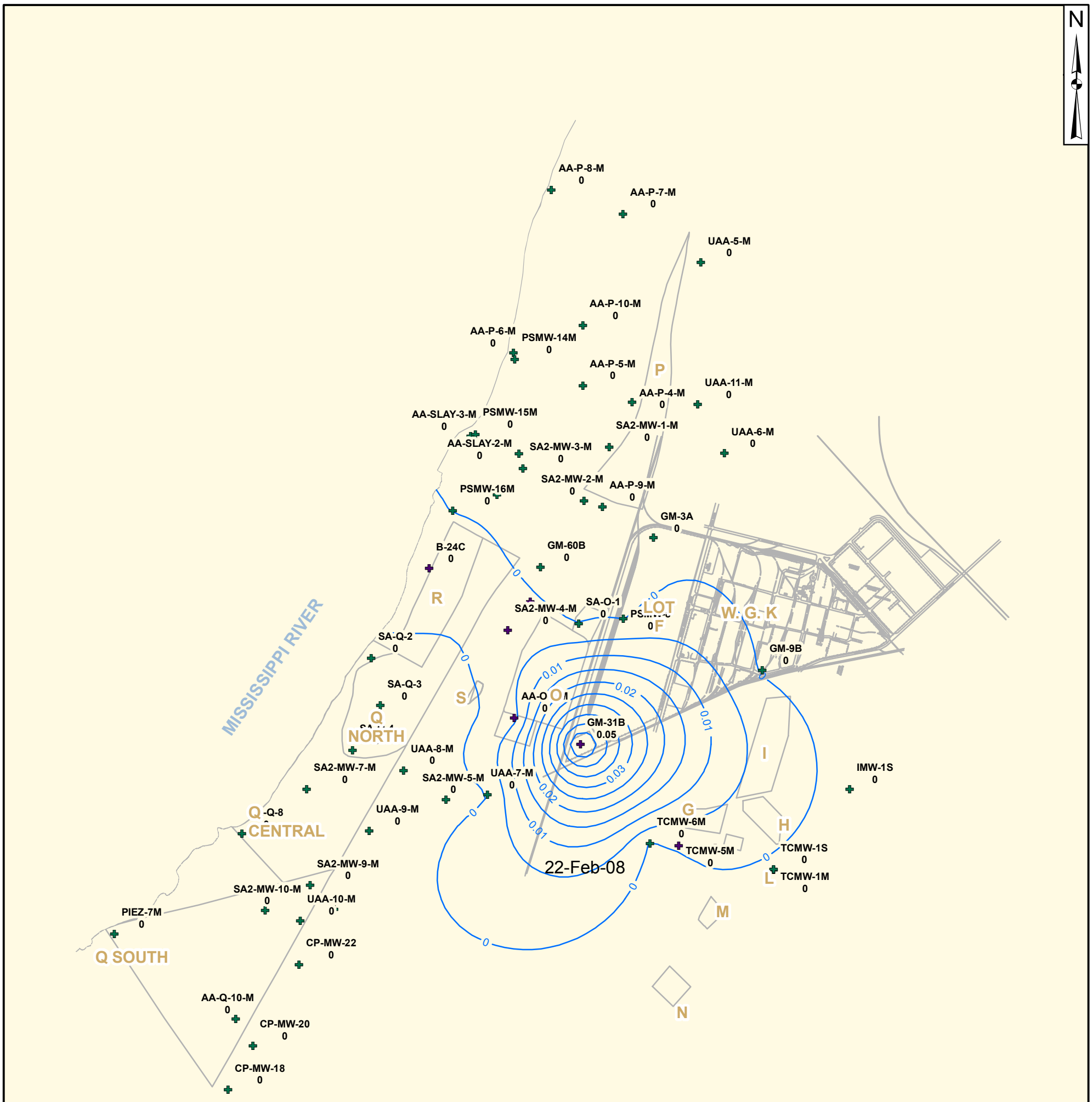
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 8**

Qualitative Calibration: Case 4

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

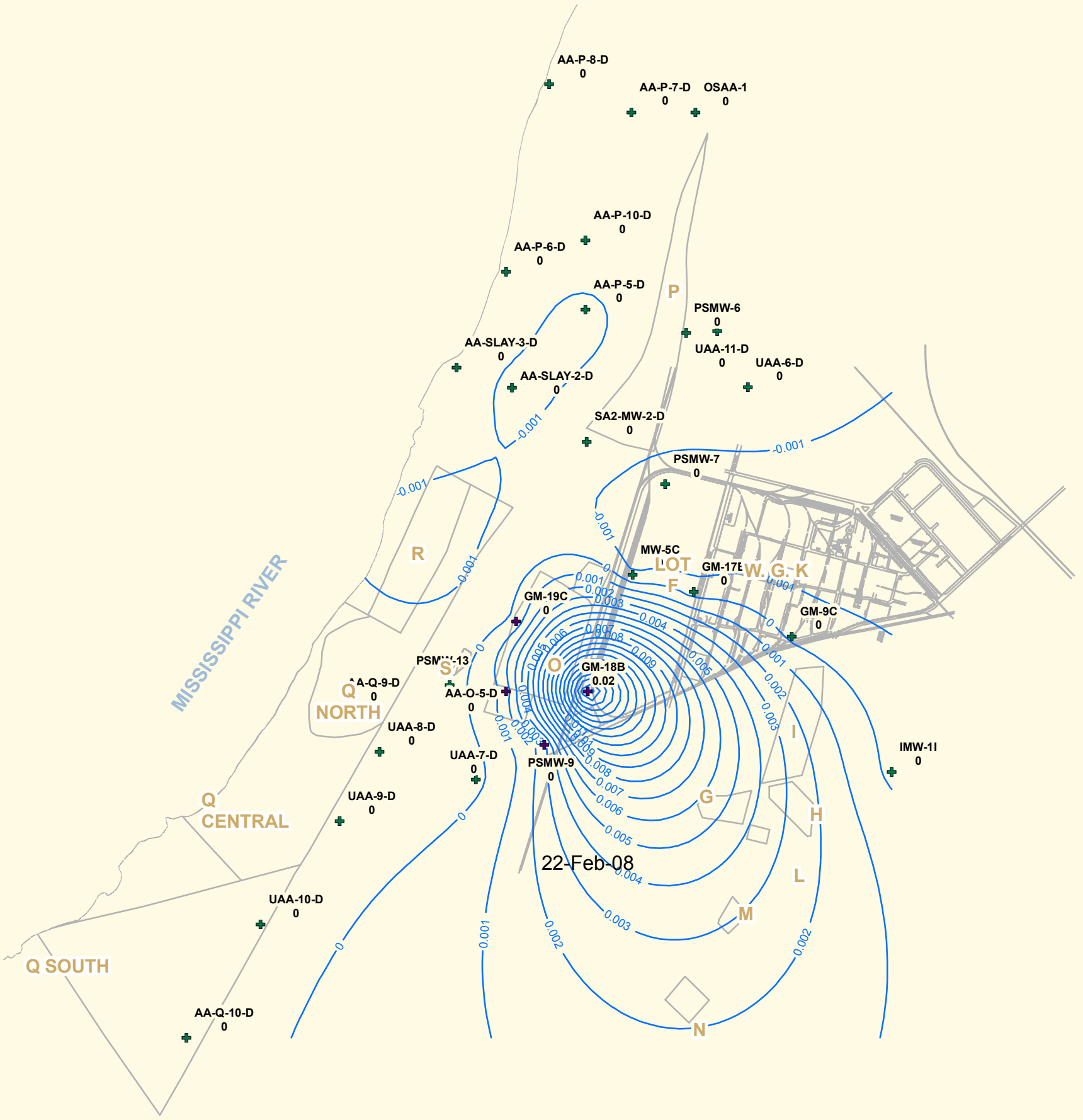
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 80**

Spatial Correlation Between Simulated and Measured Concentrations

Trichloroethene: Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



SCALE (ft)

0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 81**

Spatial Correlation Between Simulated and Measured Concentrations

Trichloroethene: Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-7-S
<0.001

OSAA-1-S
<0.0005

UAA-5-S
<0.001

AA-P-10-S
<0.0005

AA-P-6-S
<0.001

P

UAA-11-S
<0.0005

SA-P-1-S
<0.001

UAA-6-S
<0.001

SA-P-2-S
<0.001

SA2-MW-3-S
<0.0005

SA-P-3-S
<0.001

AA-P-9-S
<0.001

SA2-MW-2-S
<0.0005

GM-11
<0.001

GM-60A
<0.001

GM-4A
<0.001

GM-1
<0.001

GM-15
<0.001

AA-CLAY-1-S
0.01

GM-46
<0.001

GM-5A
<0.001

W. G. K

LOT F

CA-3
<0.001

B-28A
<0.002

B-29B
0.018

GM-19A
0.067

GM-9A
<0.001

GM-6A
<0.004

SA-O-4-S
<0.001

GM-7A
0.002

SA-S-2-S
<0.001

Q NORTH

O

S

AA-Q-9-S
<0.001

GM-59A
<0.001

GM-8
<0.001

AA-O-5-S
<0.001

UAA-8-S
<0.001

GM-31A
<0.001

SA-Q-6-S
<0.001

SA2-MW-5-S
<0.0005

UAA-7-S
<0.001

I

H

G

L

TCMW-4
<0.0025

TCMW-2
<0.0025

TCMW-5S
<0.0025

UAA-9-S
<0.001

Q CENTRAL

SA2-MW-9-S
<0.0005

UAA-10-S
<0.001

PIEZ-7S
<0.001

SA-Q-11-S
<0.001

SA-Q-10-S
<0.001

CP-MW-10-S
<0.001

CP-MW-6-S
<0.001

CP-MW-7-S
<0.001

M

Q SOUTH

SA-Q-14-S
<0.001

CP-MW-12-S
<0.001

SA-Q-13-S
<0.001

N

SA-Q-15-S
<0.001

AA-Q-10-S
<0.001

CP-MW-16-S
<0.001

MISSISSIPPI RIVER

R

0.07

0.1

1

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed cis-1,2-Dichloroethene Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 82**

Calibrated cis-1,2-Dichloroethene Plume

Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-M
<0.001

AA-P-7-M
<0.001

OSAA-1-M
<0.0005

UAA-5-M
<0.001

AA-P-10-M
<0.0005

AA-P-6-M
<0.001

PSMW-14M
<0.0005

AA-P-5-M
<0.001

AA-P-4-M
<0.001

UAA-11-M
0.0016

PSMW-15M
<0.0005

SA2-MW-1-M
<0.0005

UAA-6-M
<0.001

AA-SLAY-3-M
<0.001

SA2-MW-3-M
<0.0005

AA-SLAY-1-M
<0.001

AA-P-9-M
<0.001

AA-SLAY-4-M
<0.001

SA2-MW-2-M
<0.0005

GM-3A
<0.001

GM-60B
0.0032

SA2-MW-4-M
0.61

SA-O-1
<0.001

PSMW-8
<0.0005

AA-CLAY-2-M
1.2

SA-Q-2
<0.001

GM-9B
<0.002

AA-O-5-M
0.0029

SA-Q-4
<0.001

GM-31B
<0.001

UAA-8-M
<0.001

SA2-MW-7-M
<0.0005

SA2-MW-6-M
<0.0005

SA2-MW-5-M
<0.0005

UAA-7-M
0.0033

EE-01
0.046

UAA-9-M
<0.001

TCMW-6M
<0.0025

TCMW-5M
<0.0025

TCMW-1S
<0.0025

TCMW-3M
<0.0025

TCMW-1M
<0.0025

SA2-MW-9-M
<0.0005

CP-MW-24
<0.001

UAA-10-M
<0.001

PIEZ-7M
0.0016

SA2-MW-10-M
<0.0025

CP-MW-22
<0.001

CP-MW-20
<0.001

CP-MW-18
<0.001

0.1

1

0.07

MISSISSIPPI RIVER

R

Q NORTH

Q CENTRAL

Q SOUTH

S

O

P

W. G. K

LOT F

I

H

G

L

M

N

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed cis-1,2-Dichloroethene Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 83**

Calibrated cis-1,2-Dichloroethene Plume

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-D
<0.001

AA-P-7-D
<0.001

OSAA-1-D
0.0025

AA-P-10-D
0.0009

AA-P-6-D
<0.002

P

PSMW-6
<0.0005

UAA-11-D
0.0021

AA-SLAY-3-D
<0.001

UAA-6-D
<0.001

SA2-MW-2-D
<0.001

PSMW-16D
0.011

PSMW-7
<0.0025

0.07

1

R

MW-5C
0.039

GM-17B
J.002

W. G. K

LOT
F

GM-19C
0.0014

0.1

GM-9C
<0.001

MISSISSIPPI RIVER

Q
NORTH

PSMW-13
<0.00

S

AA-O-5-D
0.0017

O

GM-18B
<0.002

AA-Q-9-D
<0.001

PSMW-9
<0.0005

0.07

UAA-8-D
<0.001

UAA-7-D
<0.001

I

IMW-1I
<0.001

Q
CENTRAL

UAA-9-D
<0.001

G

H

L

UAA-10-D
<0.001

M

Q SOUTH

N

AA-Q-10-D
<0.001

SCALE (ft)

0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed cis-1,2-Dichloroethene Concentrations

- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

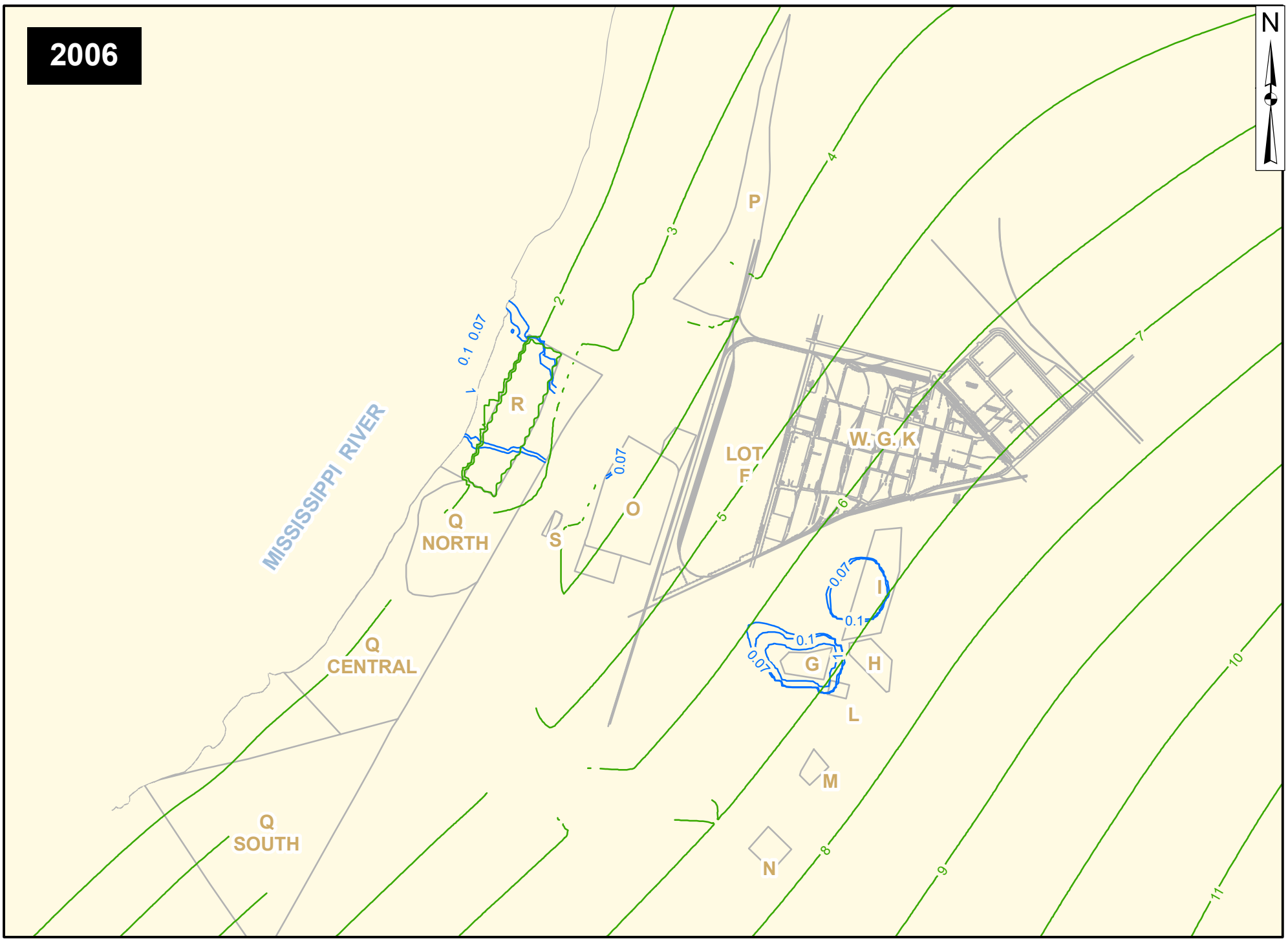
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 84**

Calibrated cis-1,2-Dichloroethene Plume

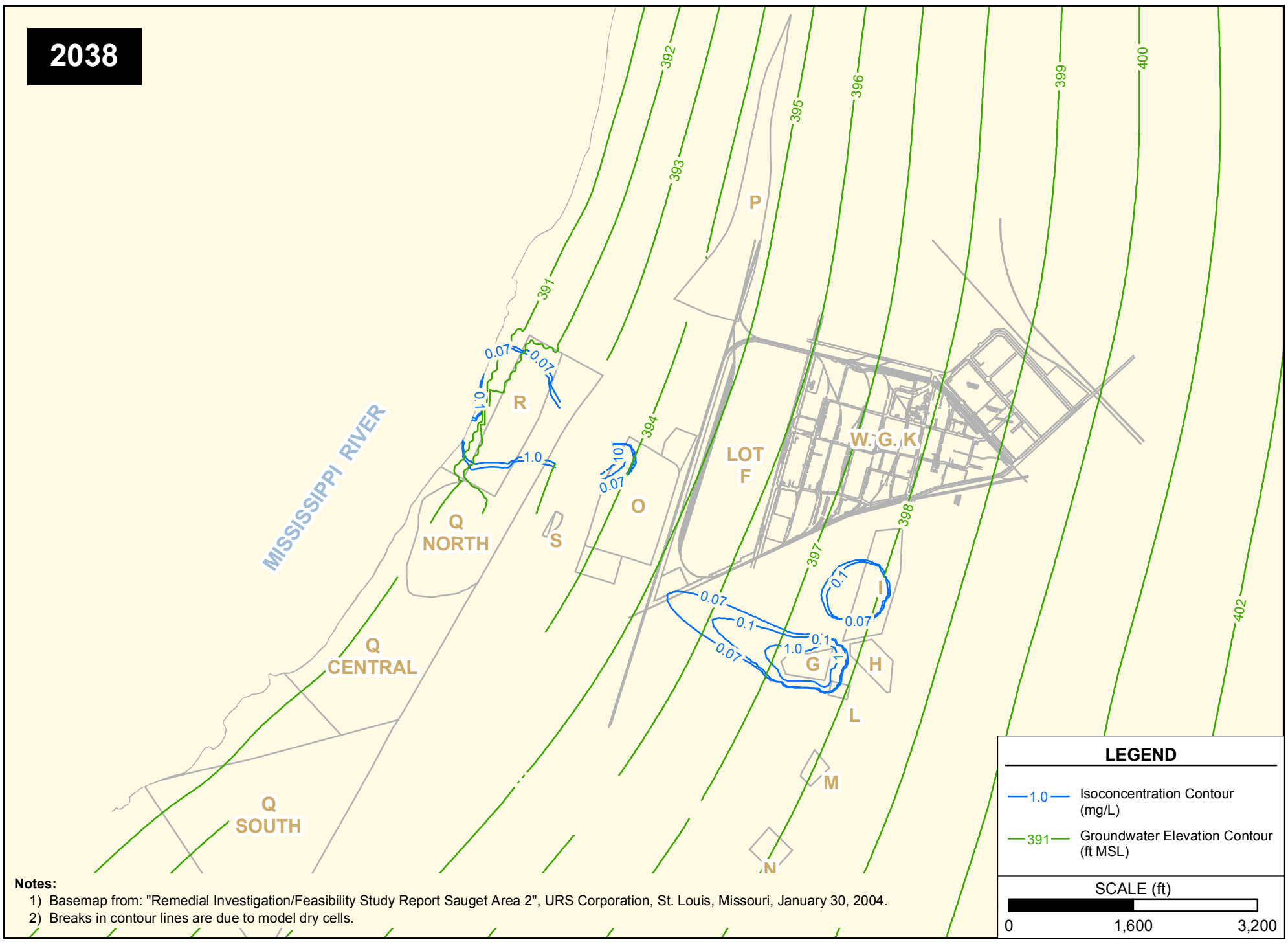
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Breaks in contour lines are due to model dry cells.

GSI ENVIRONMENTAL

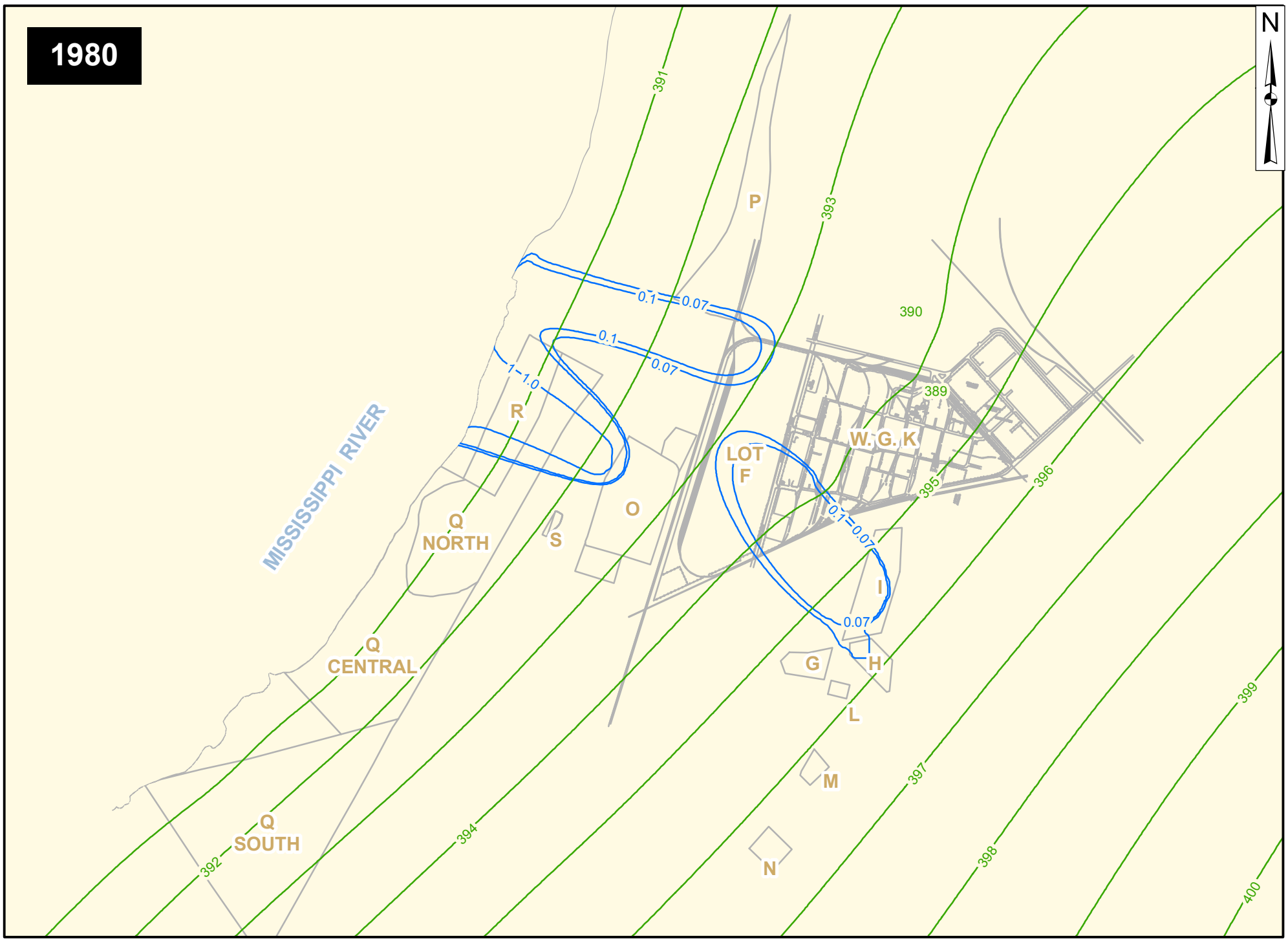
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 85**

Simulated 1,2-Dichloroethene Plume

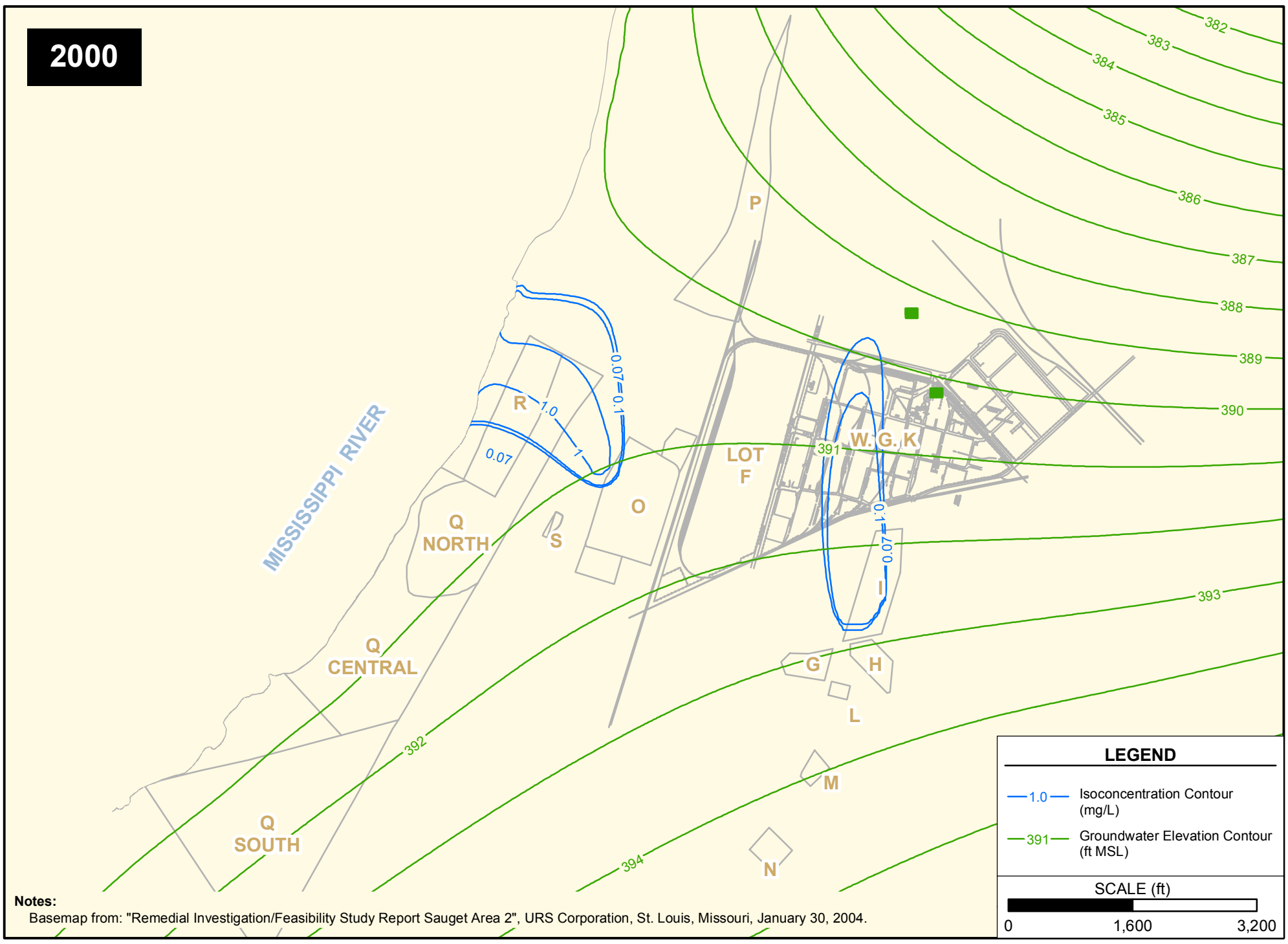
Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

1980



2000



Notes:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

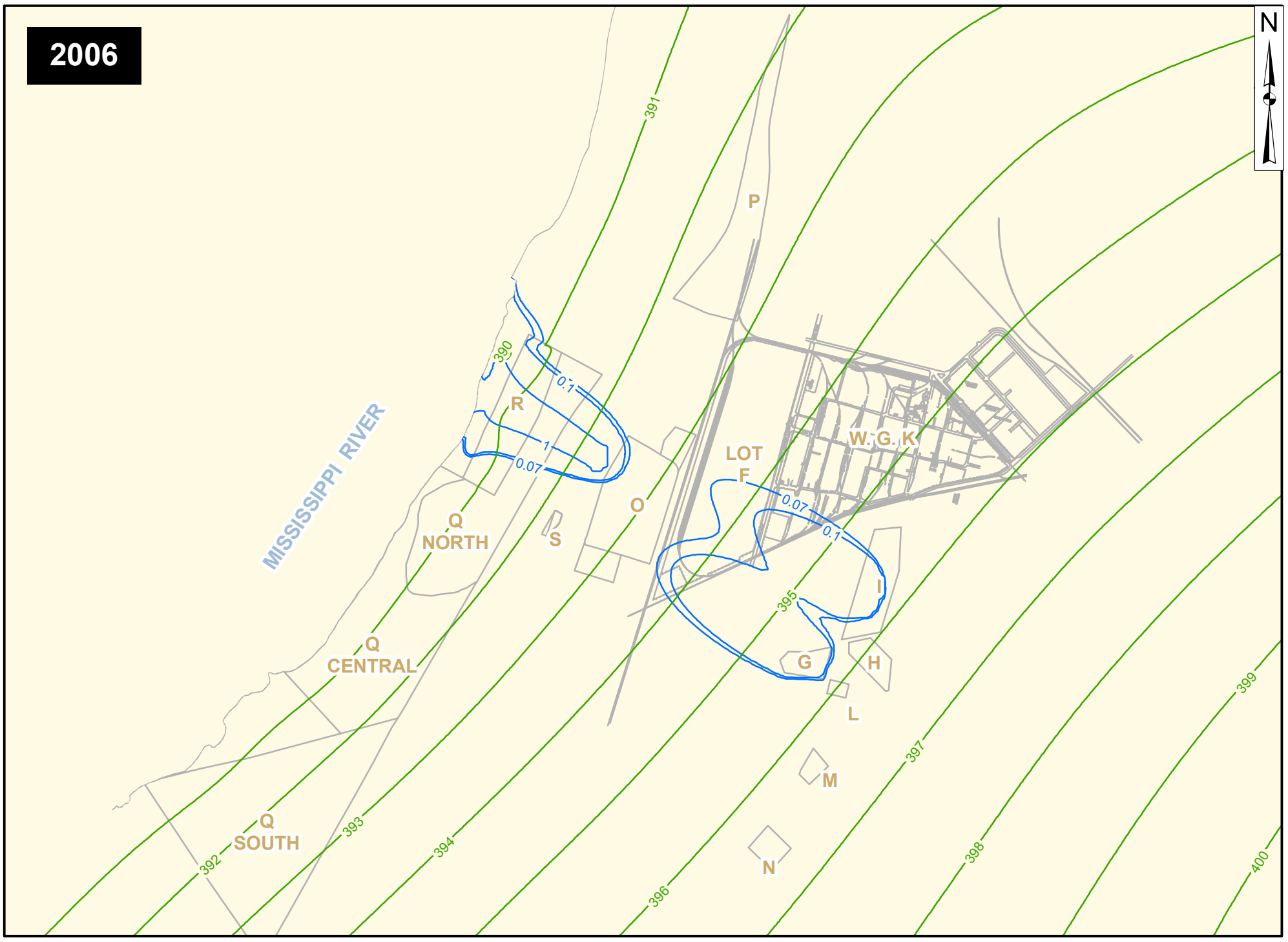
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 86**

Simulated 1,2-Dichloroethene Plume

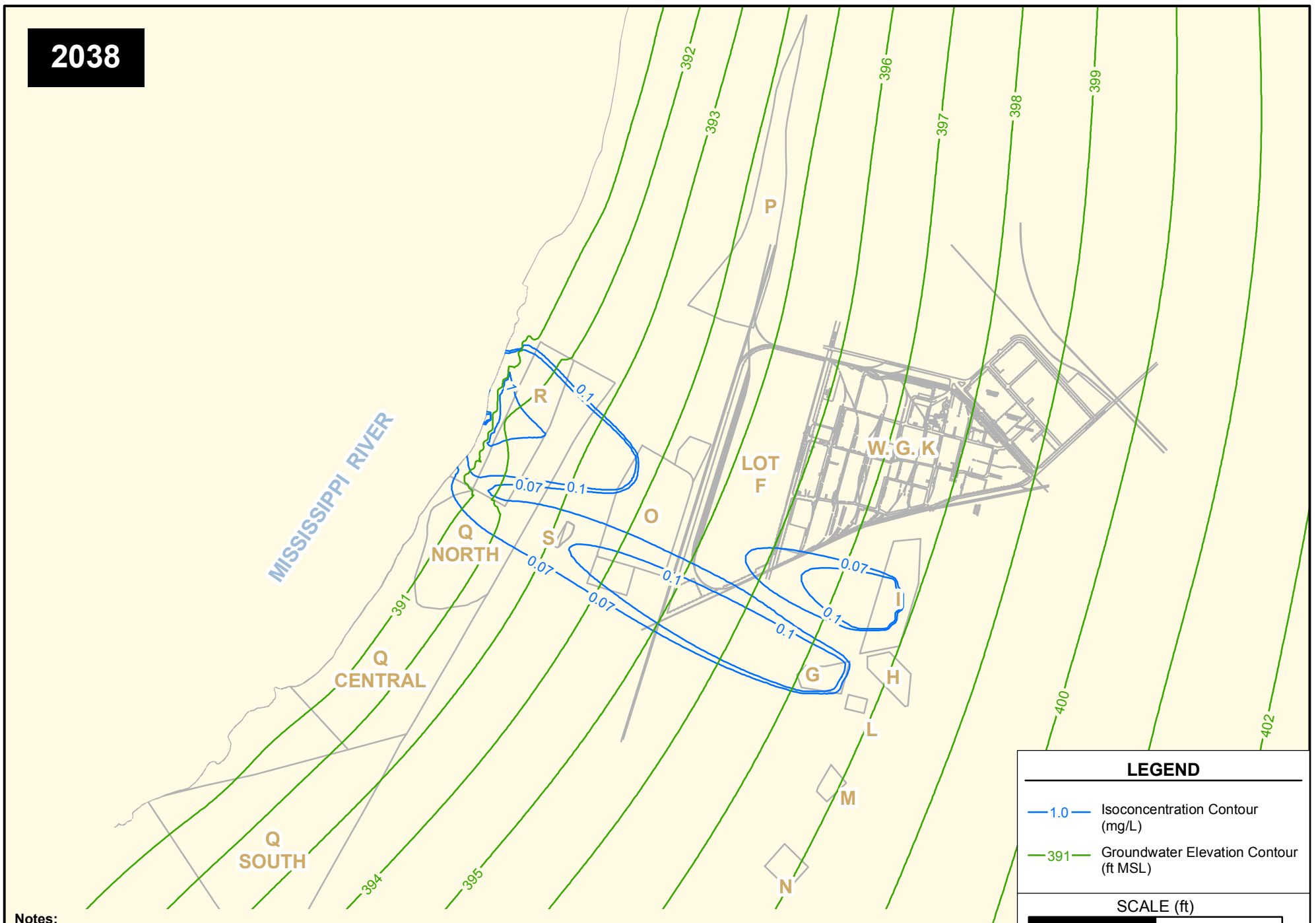
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Notes:

Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

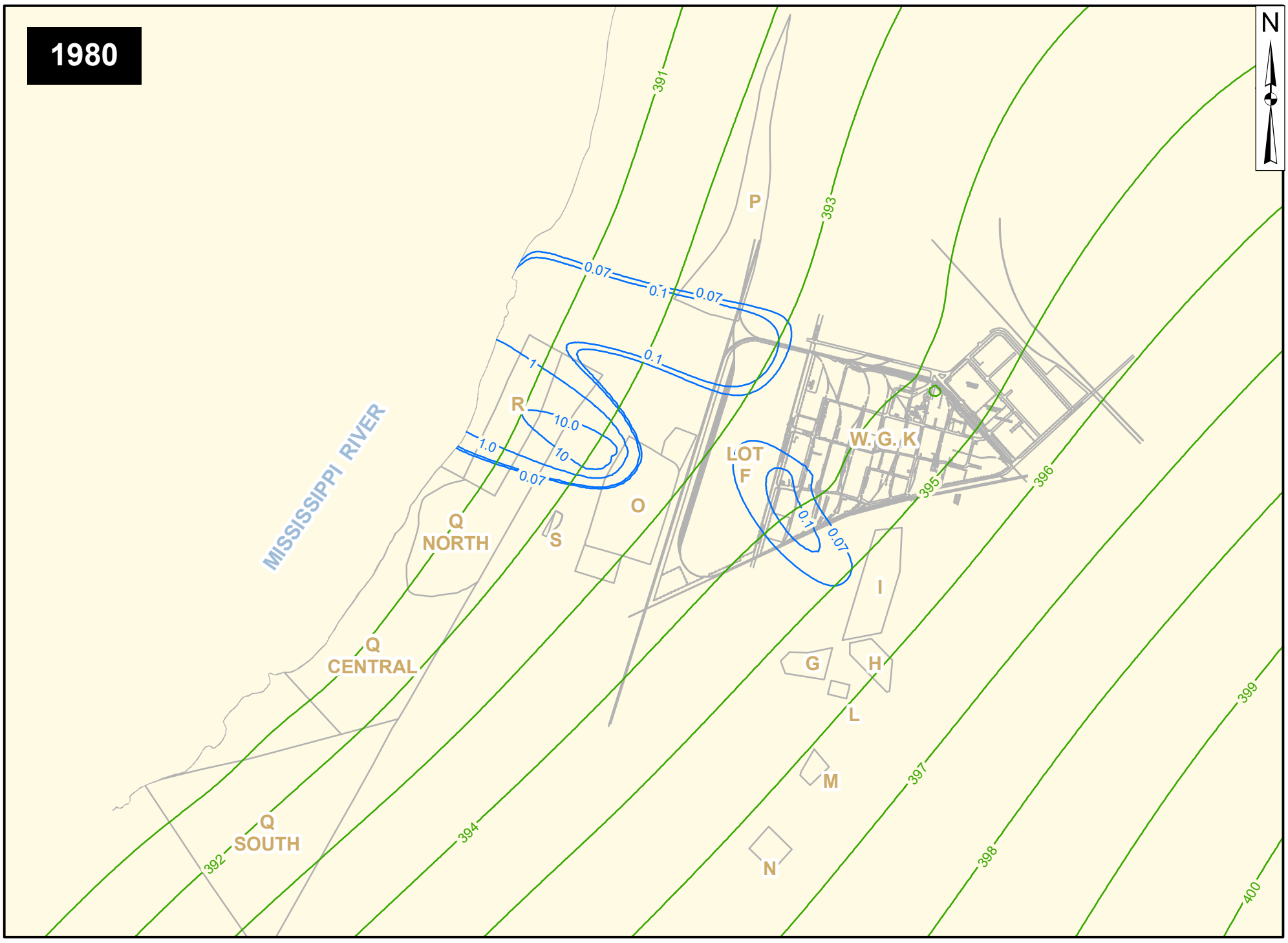
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 87**

Simulated 1,2-Dichloroethene Plume

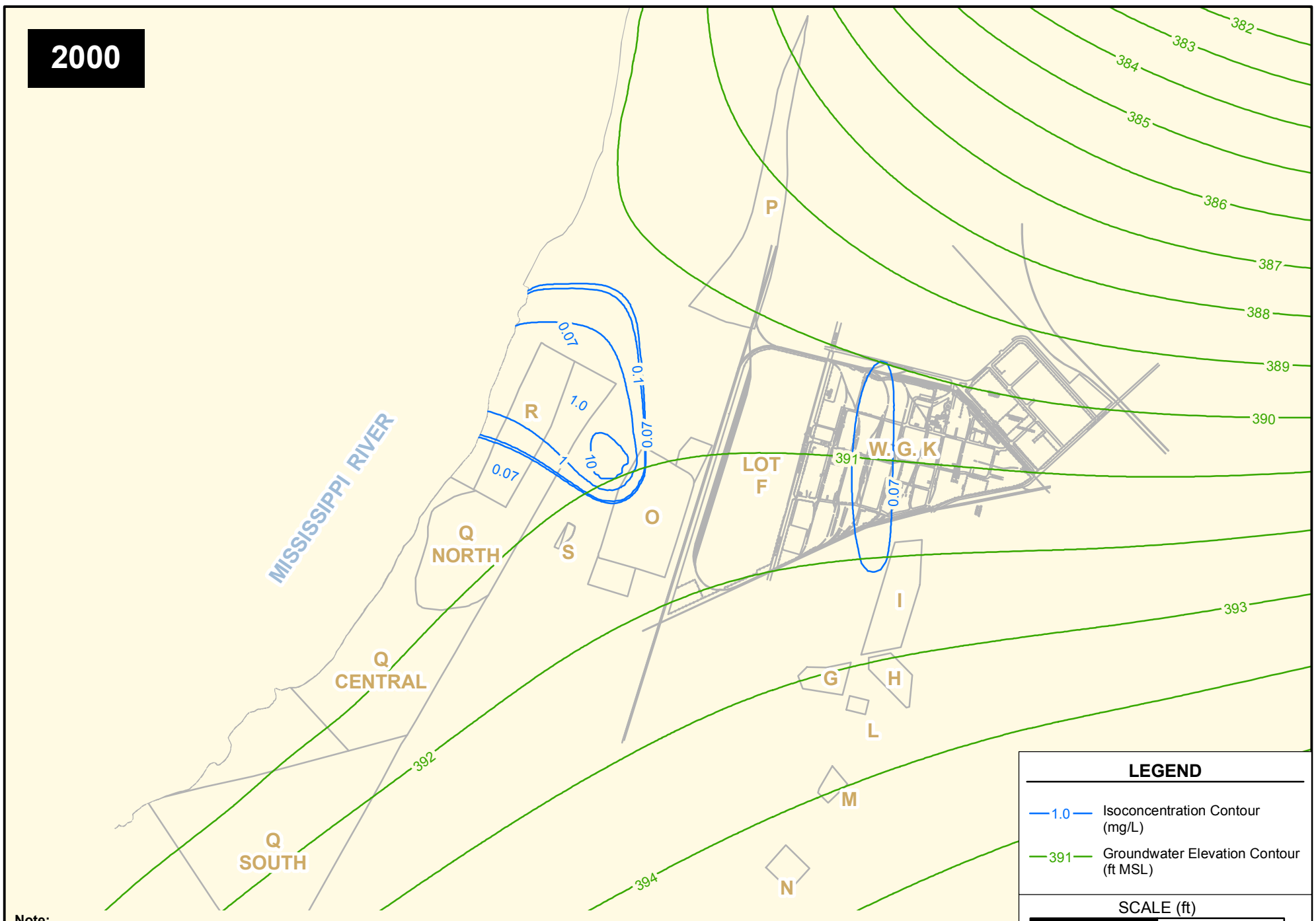
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

1980



2000



LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,600 3,200

Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

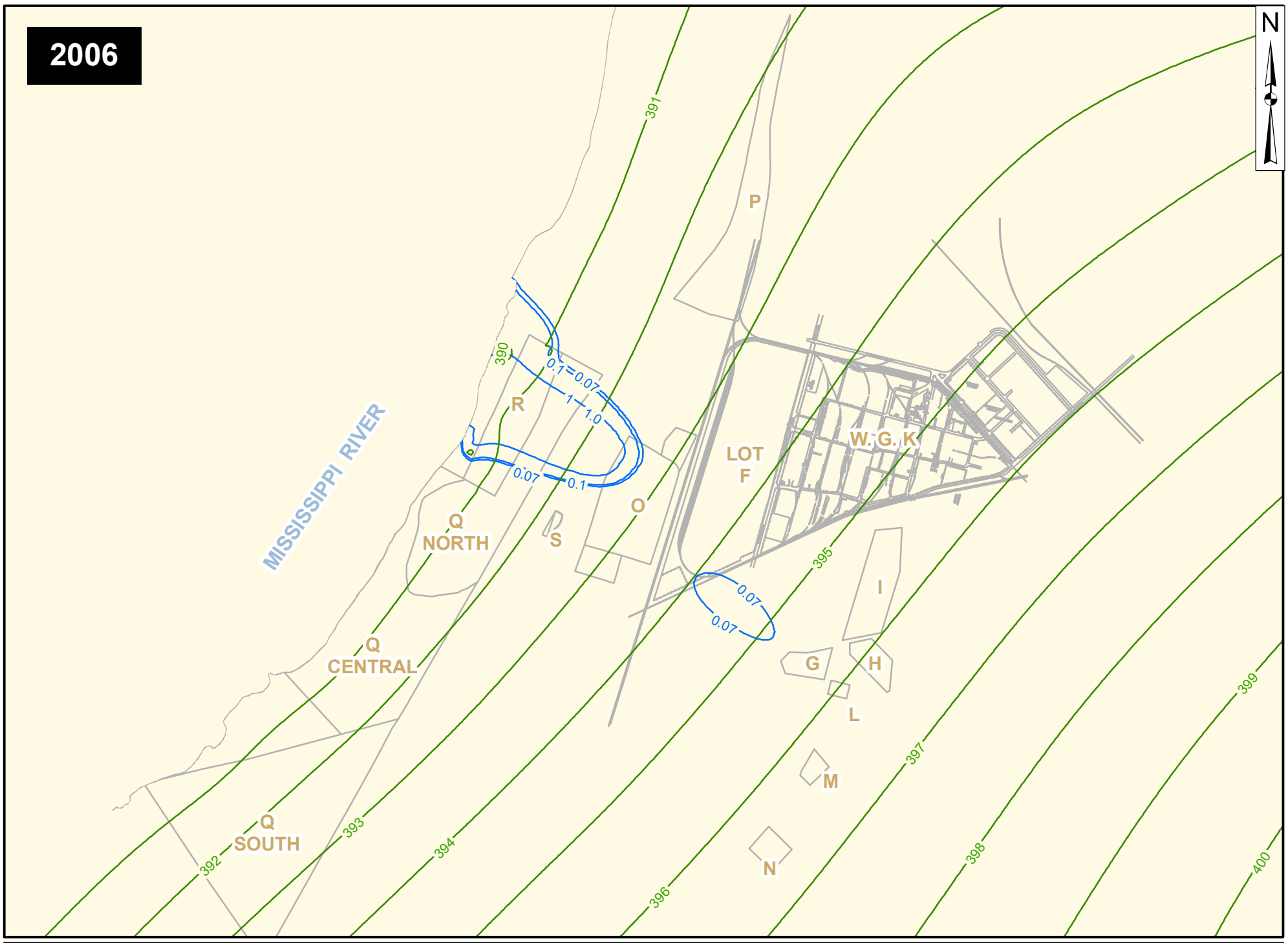
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 88**

Simulated 1,2-Dichloroethene Plume

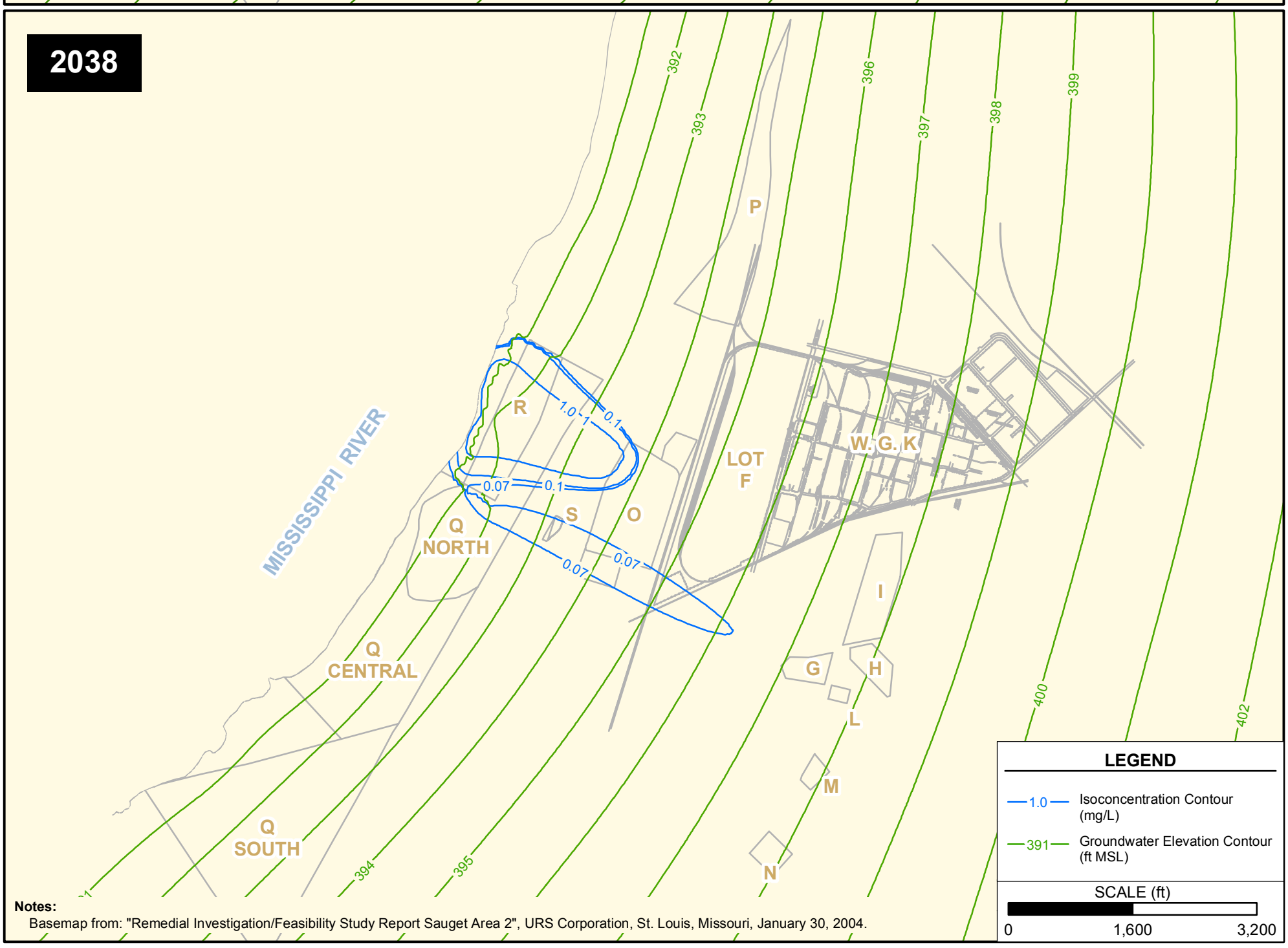
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Notes:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 89**

Simulated 1,2-Dichloroethene Plume

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006

N

MISSISSIPPI RIVER

R

Q NORTH

Q CENTRAL

Q SOUTH

S

O

P

LOT F

W. G. K

I

G

H

L

M

N

0.1

0.0

0.1

10.0

0.1

1.0

10.0

1.0

10.0

0.1

LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,500 3,000

Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Model was run with retardation factor of 6 and a first-order biodegradation rate constant of 0.0023 day^{-1}.

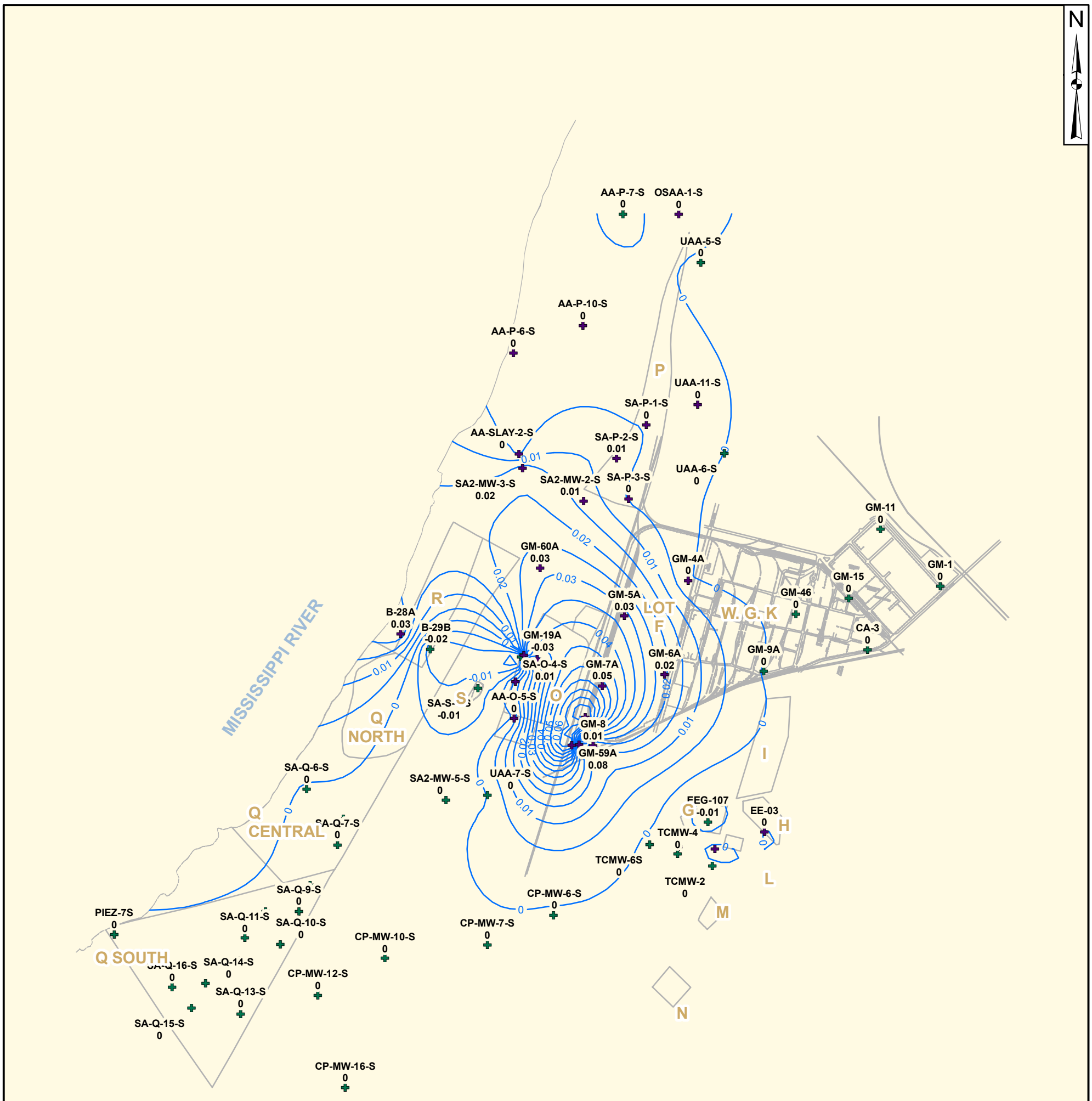
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 9**

Qualitative Calibration: Case 4

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

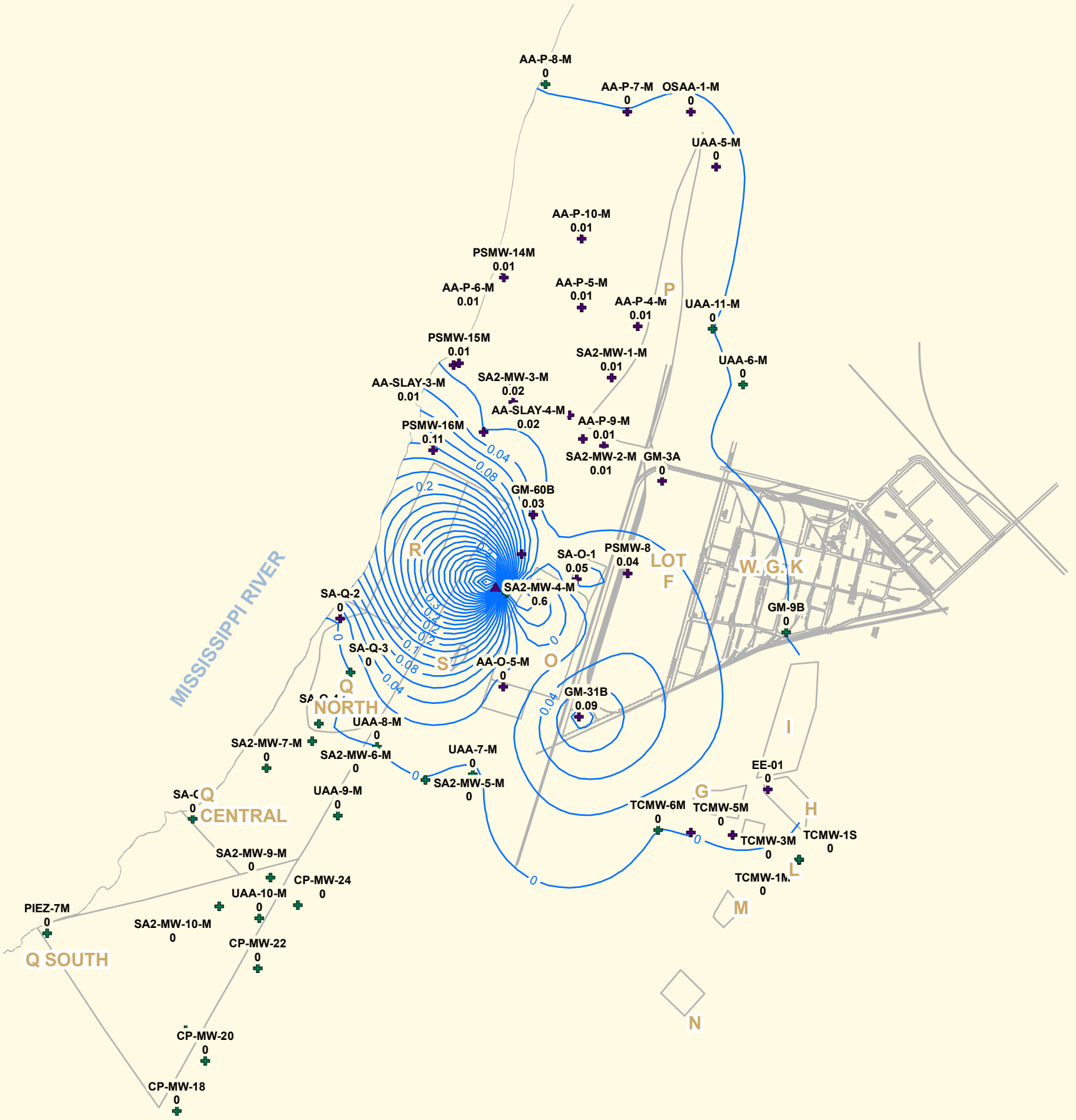
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 90**

Spatial Correlation Between Simulated and Measured Concentrations

cis-1,2-Dichlorobenzene: Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



SCALE (ft)

0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

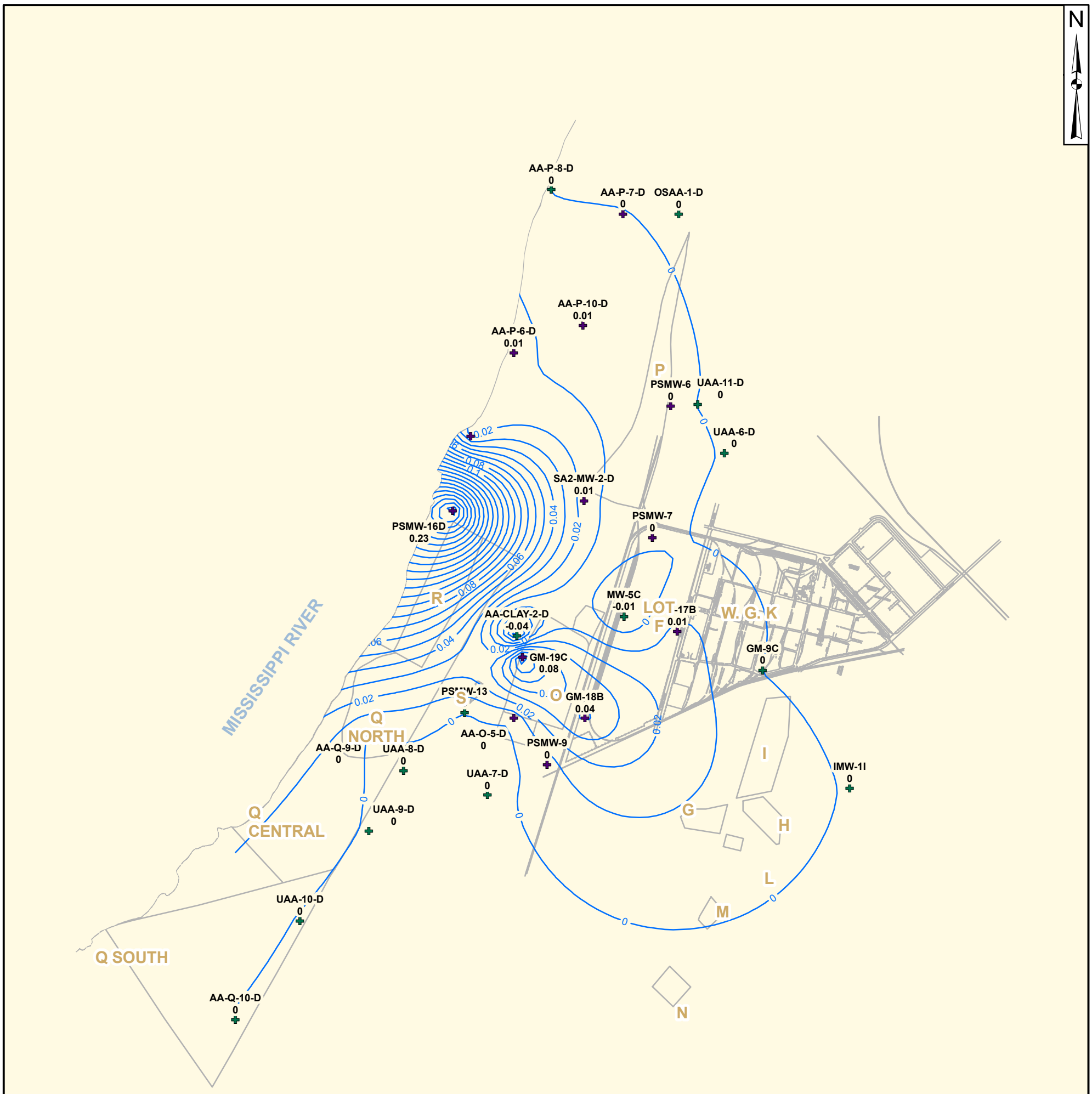
GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 91**

Spatial Correlation Between Simulated and Measured Concentrations

cis-1,2-Dichlorobenzene: Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

Model Under Predicts by	Model Over Predicts by
> 2 mg/L	> 2 mg/L
1.5 - 2 mg/L	1.5 - 2 mg/L
1.0 - 1.5 mg/L	1 - 1.5 mg/L
0.5 - 1.0 mg/L	0.5 - 1 mg/L
up to 0.5 mg/L	up to 0.5 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 92**

Spatial Correlation Between Simulated and Measured Concentrations

cis-1,2-Dichlorobenzene: Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-7-S <0.0005
OSAA-1-S <0.0005
UAA-5-S <0.0005
AA-P-10-S <0.0005
AA-P-6-S <0.0005
P
UAA-11-S <0.0005
SA-P-1-S <0.0005
SA-P-2-S <0.0005
UAA-6-S <0.0005
SA2-MW-3-S <0.0005
0.002
SA-P-3-S <0.0005
AA-P-9-S <0.0005
B-22A <0.005
0.1
SA2-MW-2-S <0.0005
GM-11 <0.0005
GM-60A <0.0005
GM-4A <0.0005
GM-1 <0.0005
GM-15 <0.0005
AA-CLAY-1-S <0.001
R
GM-46 <0.0005
GM-5A <0.0005
B-28A <0.001
AA-CLAY-2-S 0.51
B-29B <0.005
W. G. K
LOT F
CA-3 <0.0005
0.1
GM-9A <0.0005
GM-6A <0.002
MISSISSIPPI RIVER
SA-S-1-S <0.001
SA-O-4-S <0.0005
GM-7A <0.0005
Q NORTH
O
S
AA-O-5-S <0.0005
AA-Q-9-S <0.0005
SA-S-2-S <0.0005
GM-59A <0.0005
GM-8 <0.0005
UAA-8-S <0.0005
GM-31A <0.0005
SA-Q-6-S 0.0009
SA2-MW-5-S <0.0005
UAA-7-S <0.0005
I
0.1
UAA-9-S <0.0005
Q CENTRAL
G
H
03 <0.0005
L
TCMW-4 <0.005
0.1
TCMW-2 <0.005
TCMW-5S <0.005
SA2-MW-9-S <0.0005
SA2-MW-10-S <0.0005
UAA-10-S <0.0005
CP-MW-6-S <0.0005
PIEZ-7S <0.0005
M
CP-MW-7-S <0.0005
SA-Q-10-S <0.0005
SA-Q-12-S <0.0005
CP-MW-10-S <0.0005
Q SOUTH
SA-Q-16-S <0.0005
CP-MW-12-S <0.0005
N
SA-Q-13-S <0.0005
SA-Q-15-S <0.0005
AA-Q-10-S <0.0005
CP-MW-16-S <0.0005

SCALE (ft)
0 1,500 3,000

Note:
1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Vinyl Chloride Concentrations
- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 93**

Calibrated Vinyl Chloride Plume

Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-M
<0.0005

AA-P-7-M
<0.0005

0.002

OSAA-1-M
<0.0005

UAA-5-M
<0.0005

AA-P-10-M
<0.0005

PSMW-14M
<0.0005

AA-P-6-M
<0.0005

AA-P-5-M
<0.0005

P

AA-P-4-M
<0.0005

UAA-11-M
<0.0005

PSMW-15M
<0.0005

SA2-MW-1-M
<0.0005

UAA-6-M
<0.0005

AA-SLAY-3-M
<0.0005

SA2-MW-3-M
<0.0005

AA-SLAY-4-M
<0.0005

PSMW-16M
<0.0005

AA-P-9-M
<0.0005

SA2-MW-2-M
<0.0005

GM-3A
<0.0005

GM-60B
0.0017

R

AA-CLAY-1-M
0.0096

SA-O-1
<0.0005

PSMW-8
0.0042

W, G, K

LOT F

AA-CLAY-2-M
1.4

SA-Q-2
<0.0005

GM-9B
<0.001

MISSISSIPPI RIVER

Q NORTH

O

0.1

S

AA-O-5-M
<0.0005

GM-31B
<0.0005

SA-Q-4
<0.0005

UAA-8-M
<0.0005

SA2-MW-7-M
<0.0005

SA2-MW-6-M
<0.0005

UAA-7-M
<0.0005

SA2-MW-5-M
<0.0005

I

IMW-1S
<0.0025

SA-Q
<0.000

Q CENTRAL

UAA-9-M
<0.0005

G

H

L

TCMW-1S
<0.005

SA2-MW-9-M
<0.0005

CP-MW-24
<0.0005

UAA-10-M
<0.0005

PIEZ-7M
0.001

SA2-MW-10-M
<0.0025

M

CP-MW-22
<0.0005

Q SOUTH

N

CP-MW-20
<0.0005

CP-MW-18
<0.0005

SCALE (ft)

0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Vinyl Chloride Concentrations

- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 94**

Calibrated Vinyl Chloride Plume

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

N

AA-P-8-D
<0.0005

AA-P-7-D
<0.0005

OSAA-1-D
<0.0005

AA-P-10-D
<0.0005

AA-P-6-D
<0.001

AA-P-5-D
<0.0025

P

PSMW-6
<0.0005

UAA-11-D
<0.0005

AA-SLAY-3-D
<0.0005

AA-SLAY-2-D
<0.0025

0.002

UAA-6-D
<0.0005

SA2-MW-2-D
<0.001

GM-27C
0.041

PSMW-16D
0.013

PSMW-7
<0.0025

PSMW-12
0.035

1

R

MW-5C
0.11

0.1

GM-17B
<0.001

W. G. K

LOT

F

GM-19C
0.0032

GM-6B
0.69

GM-9C
<0.0005

MISSISSIPPI RIVER

Q
NORTH

PSMW-13
<0.00

S

O

AA-O-5-D
<0.0005

GM-18B
<0.001

AA-Q-9-D
<0.0005

PSMW-9
<0.0005

UAA-8-D
<0.0005

I

1

IMW-1I
<0.0005

UAA-7-D
<0.0005

Q
CENTRAL

UAA-9-D
<0.0005

G

H

L

UAA-10-D
<0.0005

M

Q SOUTH

N

AA-Q-10-D
<0.0005

SCALE (ft)

0 1,500 3,000

Note:

1. Simulated concentrations from fate and transport groundwatermodel compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

LEGEND

Well ID
Concentration in mg/L

Observed Vinyl Chloride Concentrations

- > 100 mg/L
- 10 - 100 mg/L
- 1 - 10 mg/L
- 0.1 - 1 mg/L
- < 0.1 mg/L

GSI ENVIRONMENTAL

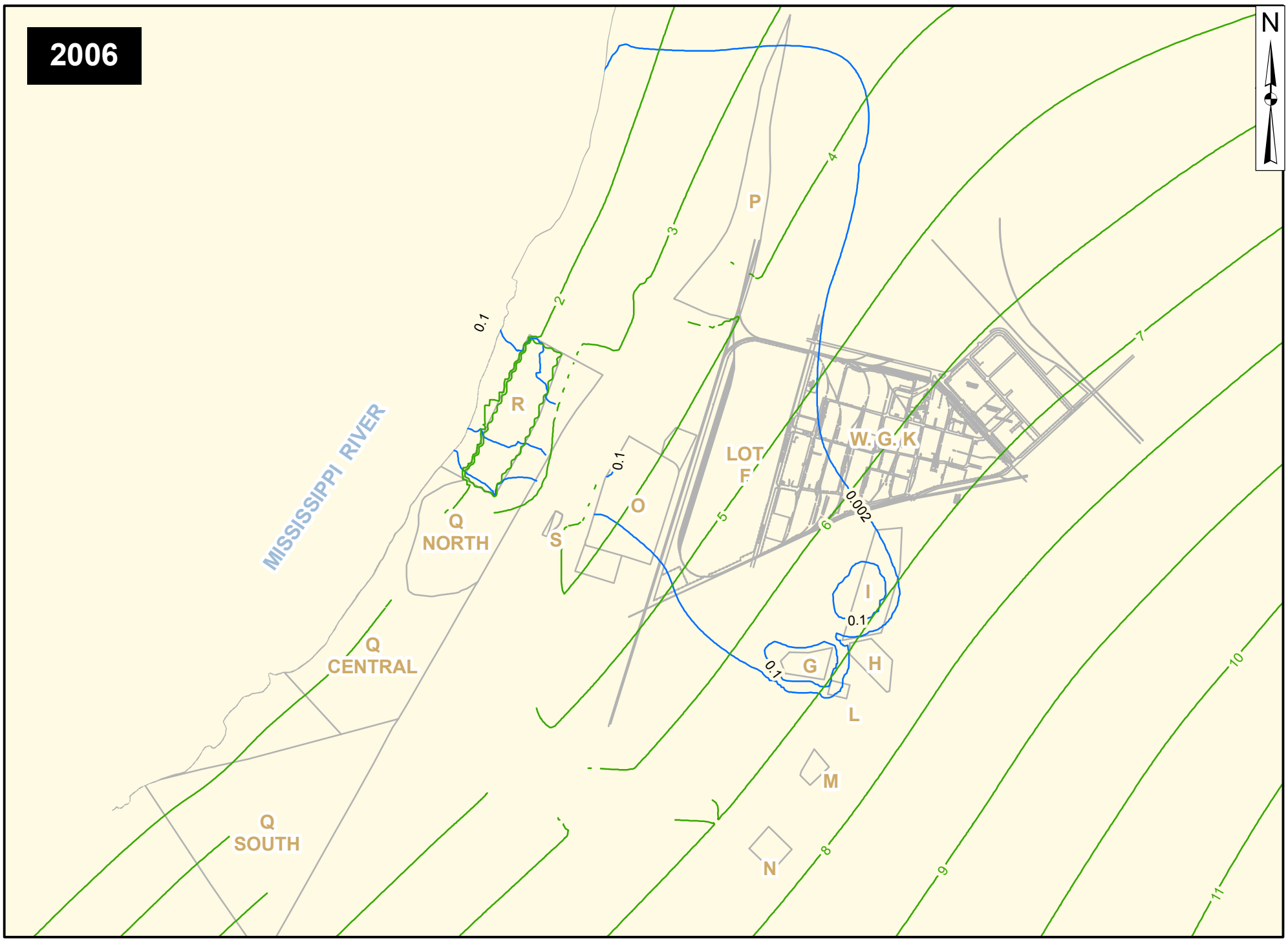
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 95**

Calibrated Vinyl Chloride Plume

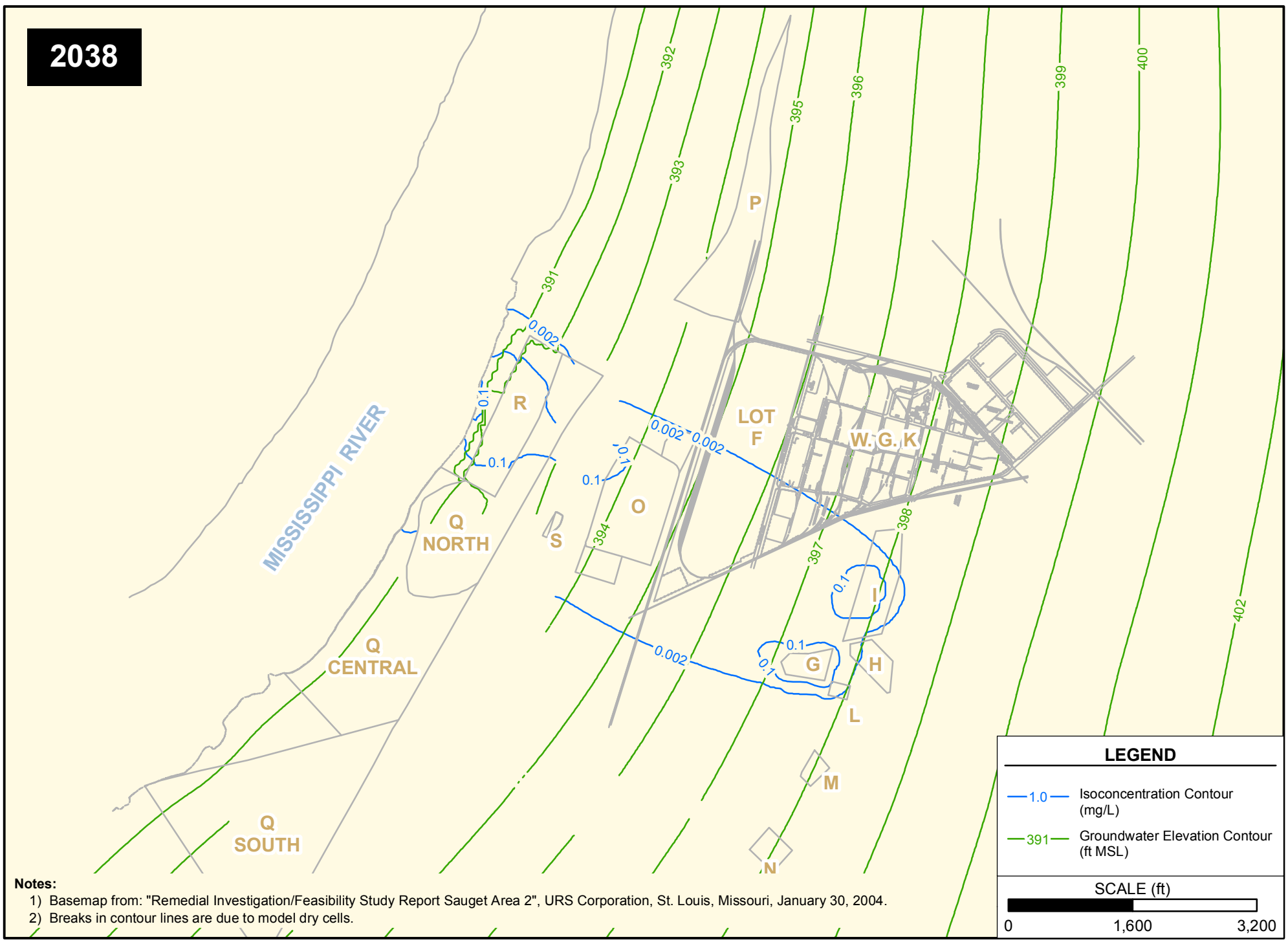
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Breaks in contour lines are due to model dry cells.

GSI ENVIRONMENTAL

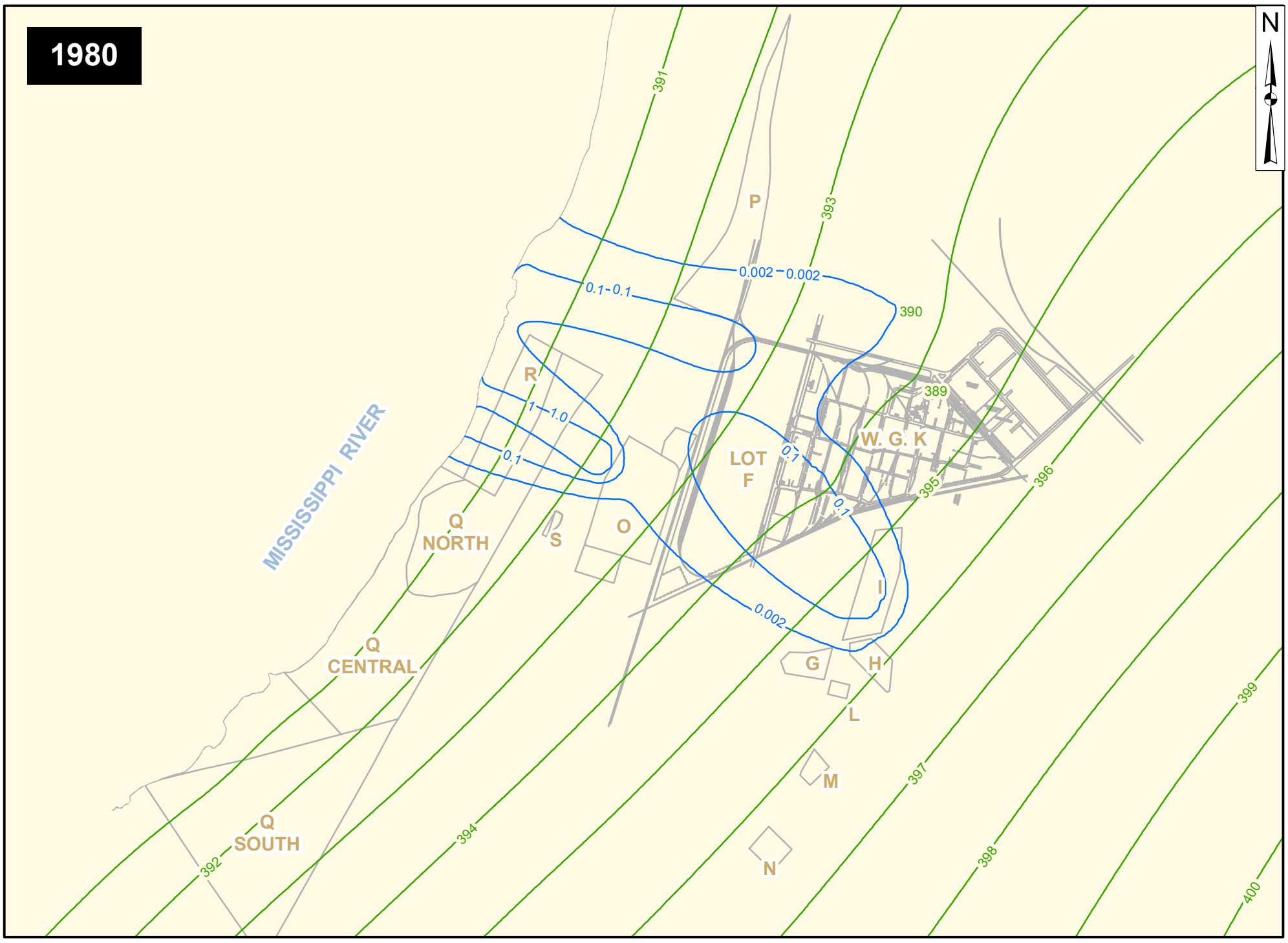
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 96**

Simulated Vinyl Chloride Plume

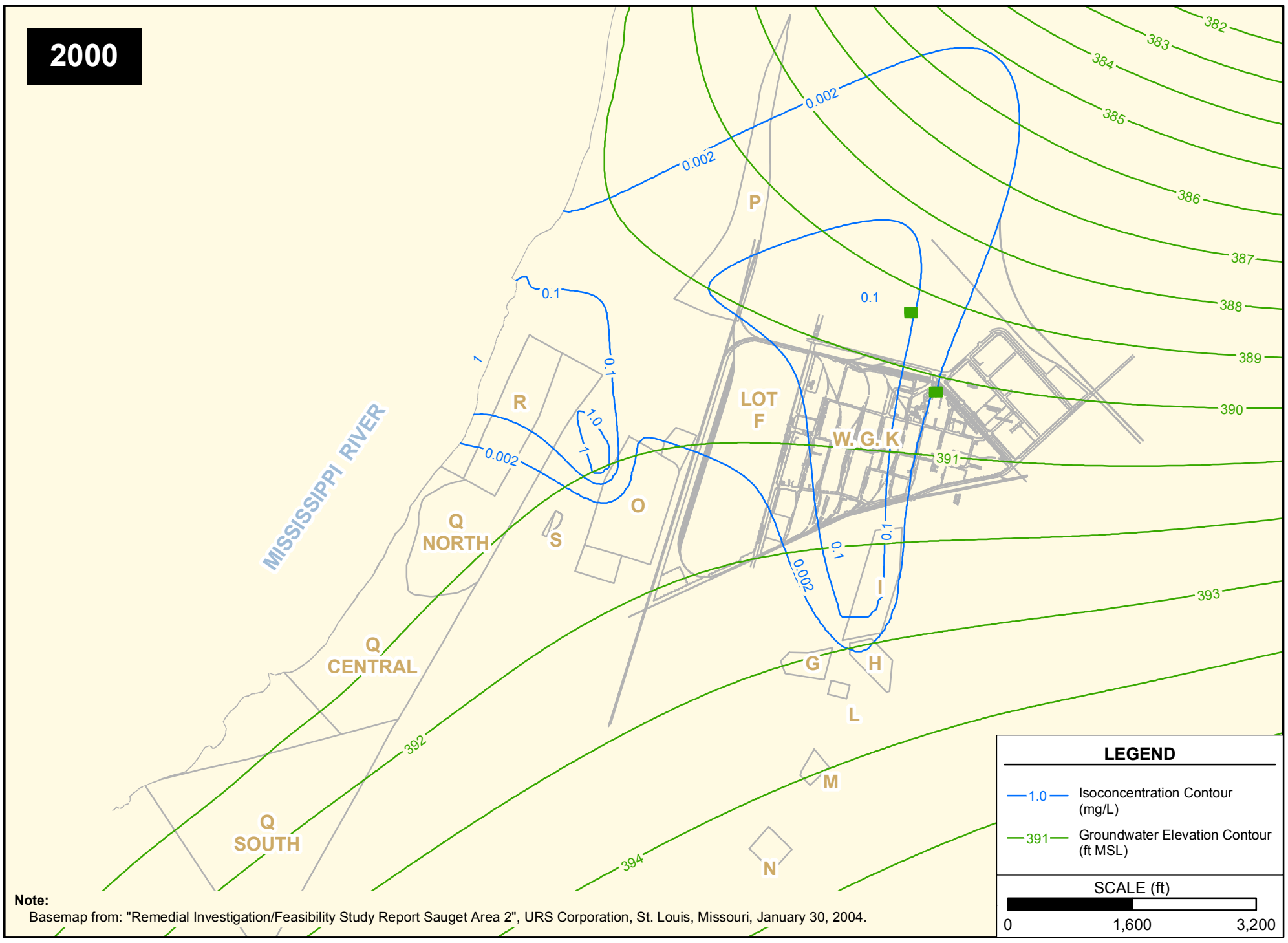
Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

1980



2000



LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,600 3,200

Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

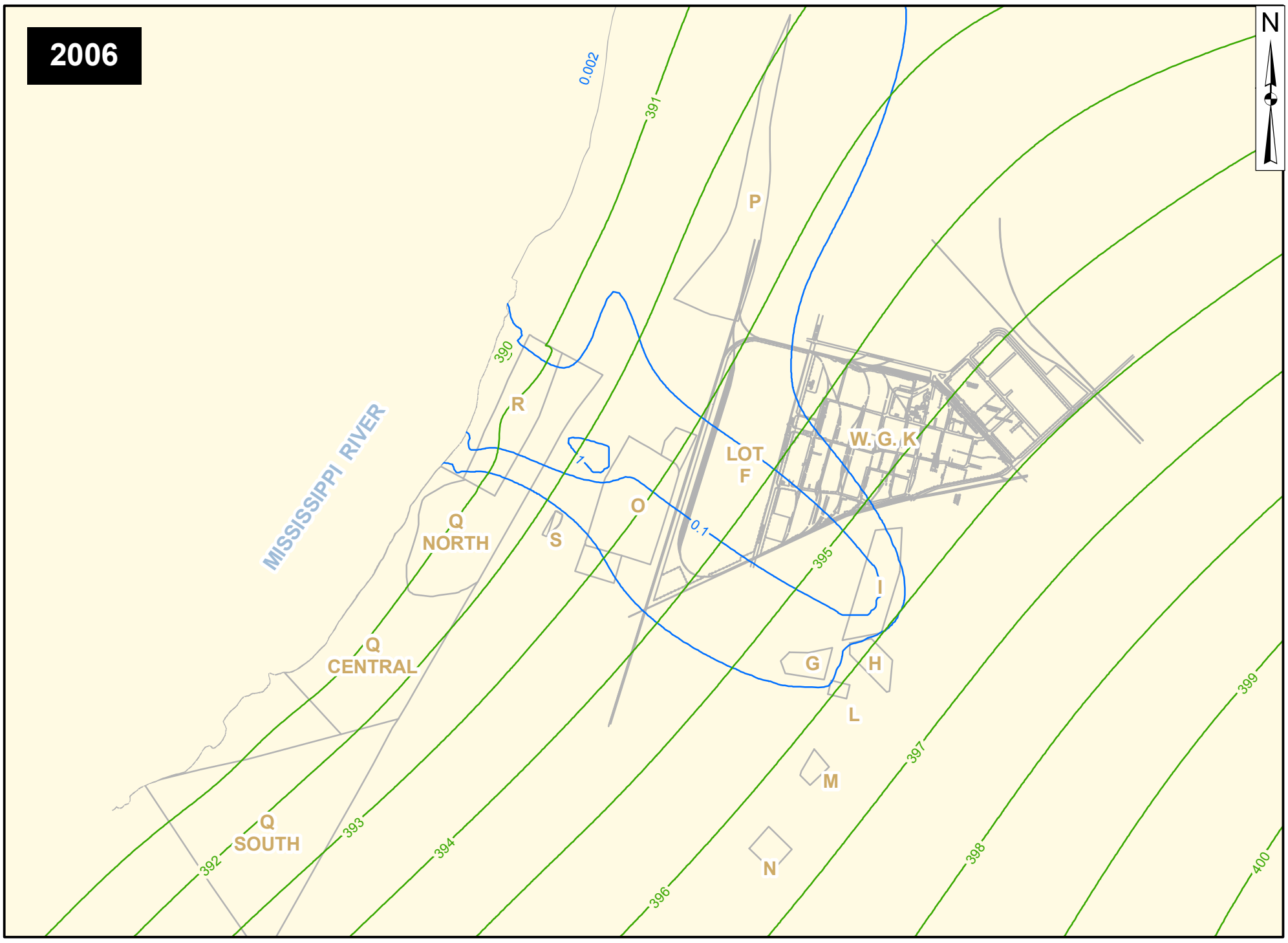
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 97**

Simulated Vinyl Chloride Plume

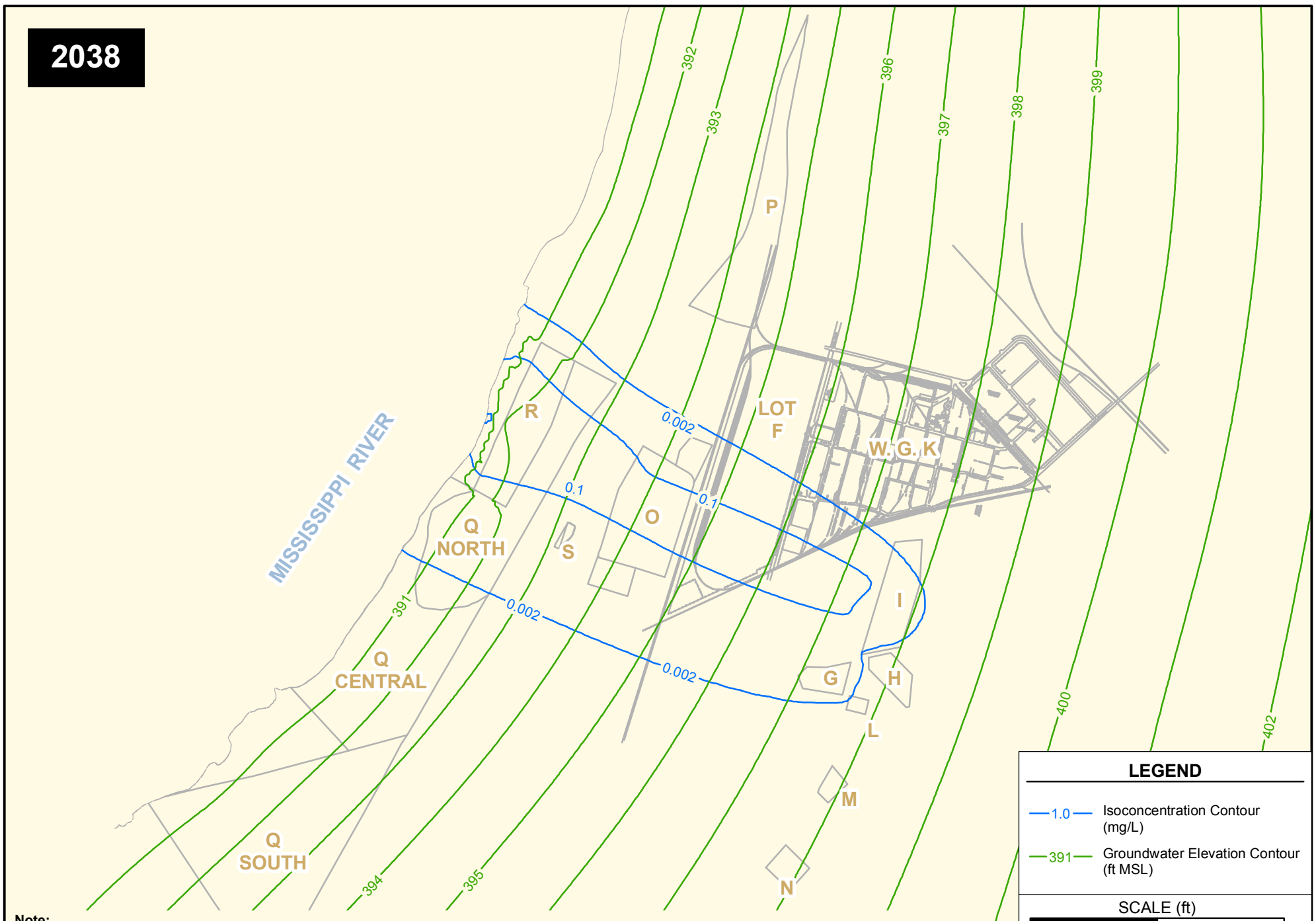
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

2006



2038



Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

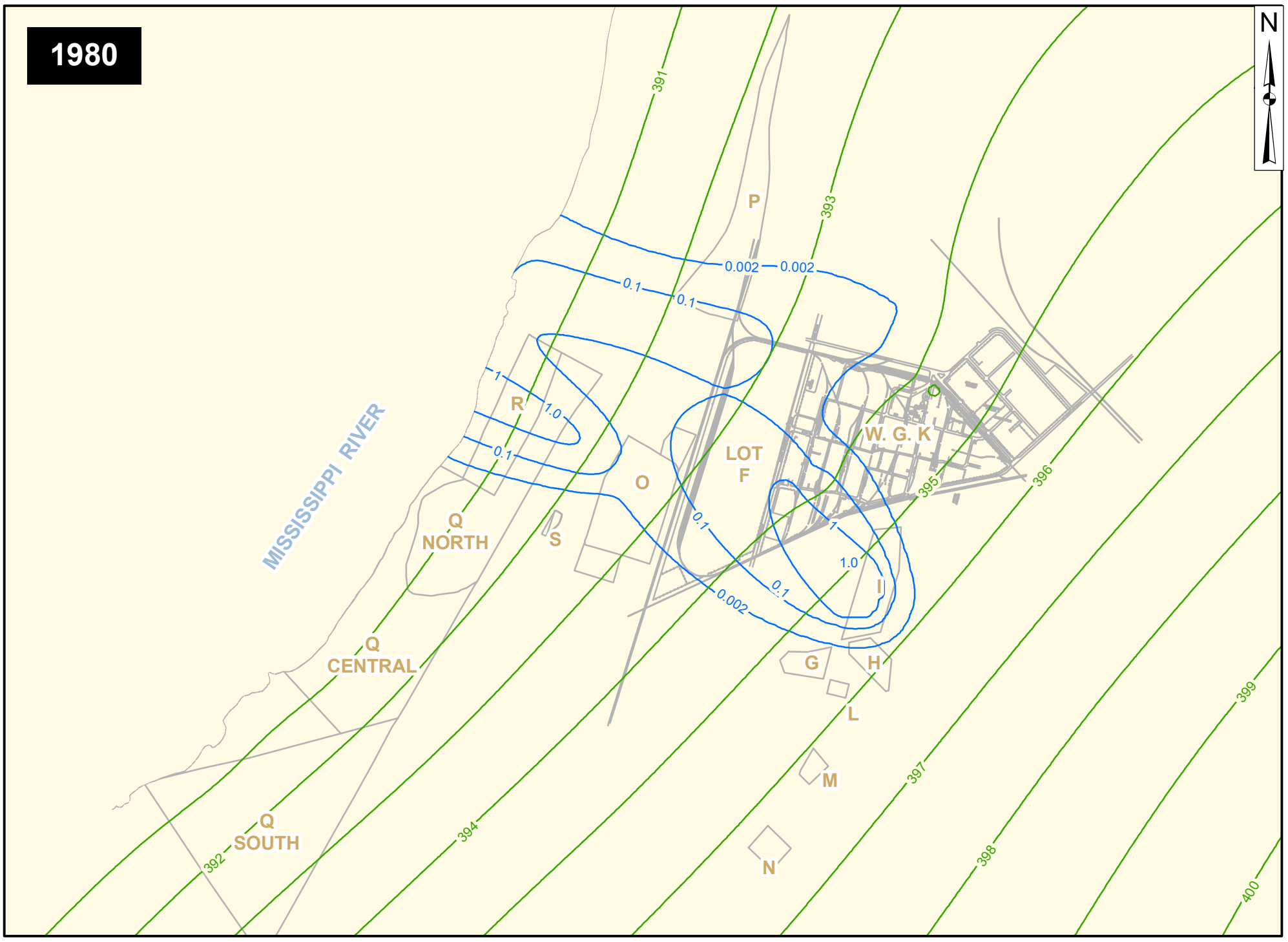
GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 98**

Simulated Vinyl Chloride Plume

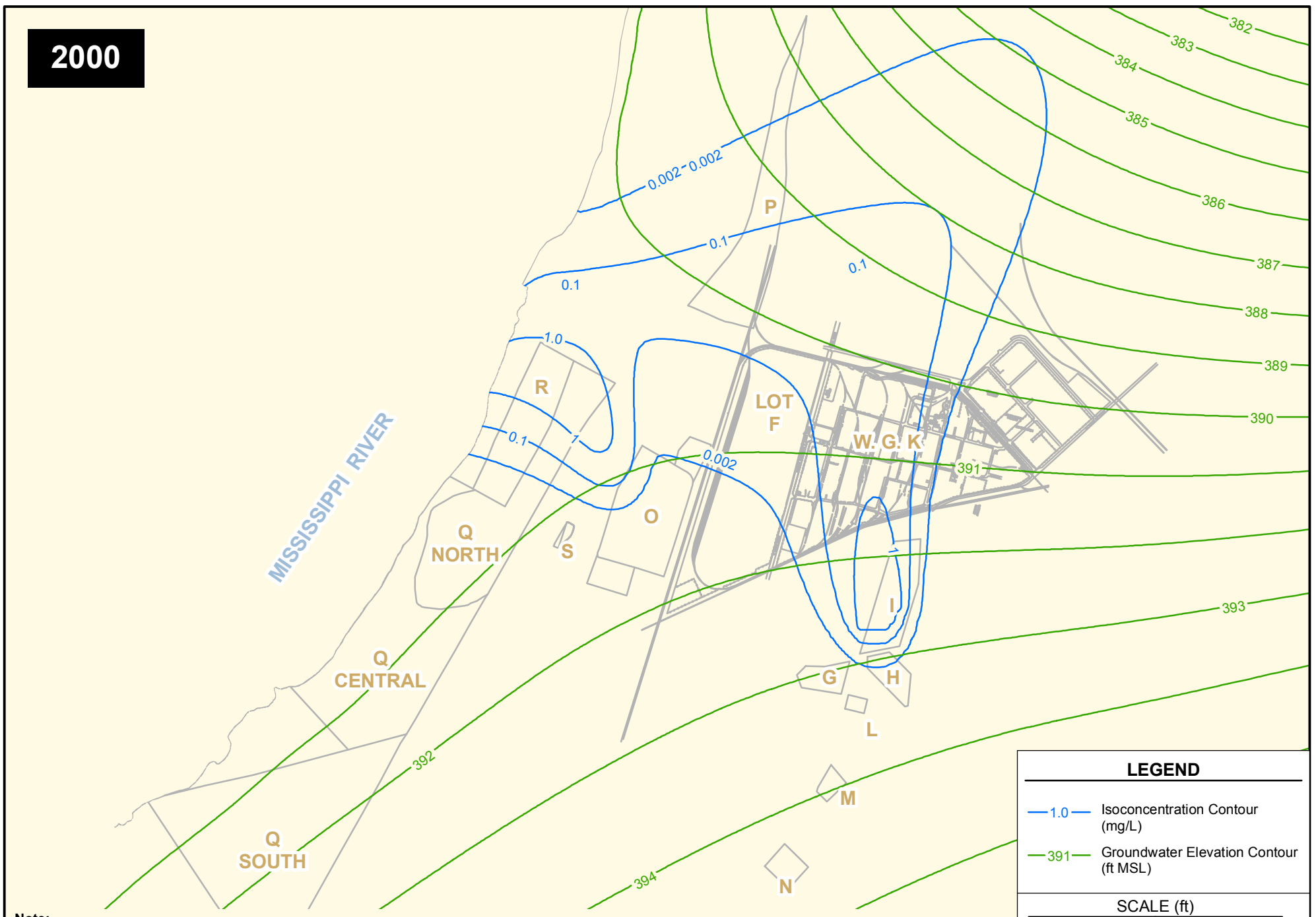
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

1980



2000



LEGEND

1.0 — Isoconcentration Contour (mg/L)

391 — Groundwater Elevation Contour (ft MSL)

SCALE (ft)

0 1,600 3,200

Note:
Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

GSI ENVIRONMENTAL

GSI Job No. G-2935	Drawn By: SKF/CDM
Issued: 22-Feb-08	Reviewed By: CJN
Revised: --	Approved By: CJN
Scale: As Shown	**FIGURE 99**

Simulated Vinyl Chloride Plume

Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

April 14, 2008

GSI ENVIRONMENTAL

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

APPENDICES

Appendix 1. Sauget Area 2 Focused Feasibility Study

Appendix 2. Source Evaluation Study

Appendix 3. Time to Clean Estimates

Appendix 4. Groundwater Chloride Concentrations

Appendix 5. Source Area Wells and Observed Concentrations

Appendix 6. Mass Flux Results

April 14, 2008

GSI ENVIRONMENTAL

APPENDIX 1

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Appendix 1. Sauget Area 2 Focused Feasibility Study

GROUNDWATER
SERVICES, INC.

MEMORANDUM

TO: Mr. Chris Fitzgerald, URS Corporation.

FROM: Charles Newell and Shahla Farhat

RE: Sauget Area 2 Focused Feasibility Study

BACKGROUND

As requested by URS Corporation (URS), Groundwater Services, Inc. (GSI) has completed a study of pumping rates and remediation timeframe for five sites at Sauget Area 2 (Sites O, P, Q, R, and S). Five alternatives, ranging from no action to hydraulic control of affected groundwater in Sauget Area 2 were evaluated.

The MODFLOW groundwater flow model developed for the *Interim Groundwater Remedy Design Basis* (GSI, 2002) was modified to obtain groundwater pumping flowrates for each alternative. A simple source decay model was used to estimate remediation timeframes for each of the five sites. The source decay model was originally presented in the *Source Evaluation Study* for Sauget Area 1 (GSI, 2001).

MODFLOW MODEL CALIBRATION

The MODFLOW groundwater model developed for the *Interim Groundwater Remedy Design Basis* and described in detail therein, was refined and calibrated for the entire Sauget Area 2.

- The finite-difference grid with 60 ft by 60 ft cells in the vicinity of Site R was extended to include all of Sauget Area 2 with cell size gradually increasing with distance from Sauget Area 2. Adjacent model cell column and row widths were not altered more than a factor of 2.0 compared to adjacent columns (Zheng and Bennett, 1995, and Spitz and Moreno, 1996). The grid aspect ratio (ratio of column width to row width) was limited between 10 and 0.1.

- Flow calibration against water levels measured on June 9, 2003 was performed by adjusting the river level to 390.31 ft amsl (the average river level for the 24 hours preceding the midpoint of the groundwater level monitoring period) (Table 1b) and comparing the predicted values to the actual measured values (Table 1a) for nine piezometers (URS, 2003) each screened in the shallow, middle, and deep hydrogeologic unit.

- The Mississippi River stage value of 390.31 ft amsl is an average of the hourly river stage values between 12:00 pm on June 8, 2003 and 12:00 pm on June 9, 2003 (Table 1b).

- An overall root mean square (rms) error of 2.00 ft was obtained for the middle horizon, while an rms error of 1.93 ft was obtained for the lower horizon. Overall, the MODFLOW groundwater flow model was considered to yield a reasonable simulation of the aquifer system and all parameters for the initial *Interim Groundwater Remedy Design Basis* model were retained.

- For a discussion of the limitations of the MODFLOW model, see the *Interim Groundwater Remedy Design Basis* report.

FLOWRATE ESTIMATION

The MODFLOW groundwater model was used to develop flow estimates for the five alternatives described below for each of the five sites.

- Groundwater Alternative 1: No Action

- Groundwater Alternative 2: Institutional Controls and Monitoring

- Groundwater Alternative 3: Physical Barrier Adjacent to Site R Only

- Groundwater Alternative 4: Physical Barrier Adjacent to Western Side of Sauget Area 2

- Groundwater Alternative 5: Hydraulic Control Adjacent to the Western Side of Sauget Area 2

For Alternatives 1 and 2, no pumping is involved. Therefore, the groundwater extraction rate is zero and no wells are required.

For Alternative 3, the pumping rate described in the *Interim Groundwater Remedy Design Basis*, a total of 535 gpm from three wells, was used for this study.

For Alternative 4 (Physical Barrier), the Zone Budget feature in MODFLOW was used to calculate the groundwater discharge to the river along the entire length of Sauget Area 2 (approximately 12,500 ft) under natural conditions. This flowrate, 3000 gpm, was assumed to be equal to the extraction rate of a pumping system associated with intercepting water flowing into a 12,500 foot, fully-penetrating, “U”-shaped physical barrier wall extending along the downgradient portion of Sauget Area 2, with side walls extending upgradient towards Site P on the north and along the edge of Site Q in the south. This was the same approach used for the physical barrier for Site R in the *Interim Groundwater Remedy Design Basis*.

It was assumed that 24 pumping wells at well spacings of 531 ft (the same spacing used for the Site R physical barrier) would represent a reasonable extraction system.

For Alternative 5, it was assumed that each well would pump at a high rate to greatly increase the flushing of groundwater through the Sauget Area 2 sites and therefore increase the mass removal rate of site constituents. As described in the *Source Evaluation Study*, typical flowrates for large municipal wells in the area ranged from 1000 to 1500 gpm. For this study, it was assumed that 24 wells, each pumping 1100 gpm, would be representative of a high-flowrate pumping system for Alternative 5.

Summary

The number of wells, flowrates, and total system flowrate for each alternative are shown below. All results are shown for average river level conditions.

	Number of Wells	Pumping Rate per Well (gpm)	Total System Flowrate (gpm)
Alternative 1 – No Action	0	0	0
Alternative 2 – Institutional Controls	0	0	0
Alternative 3 – Physical Barrier Site R Only	3	178	535
Alternative 4 – Physical Barrier Sauget Area 2	24	127	3,000
Alternative 5 – Hydraulic Control	24	1,100	26,400

REMEDIATION TIMEFRAME

The evaluation of cleanup times was based on the methodology presented in the *Source Evaluation Study*. The available groundwater data were evaluated to develop planning-level constituent mass estimates and mass flux estimates for Site O, Site P, Site Q, Site R, and Site S. For the purpose of this study, Site Q was divided into four separate sub-sites with separate mass and mass flux estimates. Source concentration was used to estimate both the source mass and mass flux.

Source Concentration

The average total VOC + SVOC concentrations in the middle and lower horizons were evaluated from the transect well closest to the source area for each site (see Figure 1). For this planning level calculation, it was assumed that these concentrations extended throughout the entire width of the site under consideration.

For Sites O, P, Q, and S, groundwater monitoring data collected from June 18, 2002, through August 13, 2002, were used in the analyses. Groundwater monitoring data from well AA-O-1 for Site O, well AA-P-1 for Site P, and well AA-S-1 (AA-S-1B shown in Figure 1) for Site S were used. Site Q is divided into the North, Central, South, and Ponds areas, therefore, four transect wells (AA-Q-1 for Q North, AA-Q-4 for Q Central, AA-Q-6 for Q South, and AA-Q-8 for Q Ponds), each closest to the area under study, were used for this site. Groundwater monitoring data for Sites O, P, Q, and S are

presented in Table 2.

For Sites O, P, Q, and S, sampling depths were assigned to the middle or deep horizons based on the modeled surface elevations at the wells of interest. Source concentrations for each hydrogeologic unit at a site were then calculated by obtaining the average concentration of all the sampling depths in that unit. For duplicate measurements, the maximum observed values were retained. Samples designated as rejected or "R" by URS quality control review were not considered. For each site, VOC concentrations were determined independently of the SVOC data. The sum of the VOC and SVOC concentrations yielded the total source concentration for that site.

For Site R, average VOC + SVOC concentrations were determined from 1) concentration maps generated by Roux Associates, Inc. (Solutia, 2002. Figures 2-8, 2-9, 2-11, and 2-12), for the middle and lower horizons; and 2) groundwater monitoring data collected for wells GW-1 and GW-2 between July 27, 2001, and August 6, 2001. The following method was used for this site:

1) The length of the site was divided into 10 zones.
2) The concentration in each zone was calculated by taking the average of all the concentration points (monitoring wells, contour levels, and zone boundaries) that lay in that zone.
3) The concentrations at the zone boundaries were determined by interpolating from closest wells and contour levels.
4) For each zone, VOC concentrations were determined independently of the SVOC data.
5) The sum of the VOC and SVOC concentrations yielded the total concentration for that zone.
6) The concentration assigned to Site R was then determined by taking the average of the total concentrations for all the 10 zones.

Resulting concentrations for Site R are shown in Table 3.

Estimated Source Mass

Source mass is a function of source volume, total porosity, residual saturation of DNAPL in the source zone, and the fraction of source volume containing DNAPL. Source thickness was assumed to be the thickness of the horizon at the transect of interest. Source length and width were obtained from Figure 1. A porosity of 0.35, DNAPL saturation of 5%, and DNAPL density of 1.25 kg/L were assumed for all sites.

The percent of the aquifer containing DNAPL was assumed to be proportional to the total dissolved constituent concentration, with the values used in the *Interim Groundwater Remedy Design Basis* as the reference point (i.e., 1% of the aquifer mass containing DNAPL was associated with the ~ 20 mg/L dissolved constituent concentration at Site I in Sauget Area 1). The following relationship was used to

determine the percent of aquifer containing DNAPL for all of the Sauget Area 2 sites (Table 4):

(fraction of aquifer containing DNAPL) = (observed total dissolved phase concentration) x 0.005

Note that there is considerable uncertainty in the source mass estimates, and the results of the following calculations are more appropriate for relative comparisons rather than absolute predictions of remediation timeframe.

Mass Flux

The mass flux (also called the mass removal rate) under natural conditions was estimated by multiplying average VOC + SVOC concentrations for each horizon at each site by the flow for that horizon, and converting to a mass rate of kg/yr leaving the source zone (3.78 L/gal; 1440 min/day; 365 day/yr; 10^{-6} kg/mg). For each site except Site R, the Darcy groundwater velocity was taken from values used in the MODFLOW groundwater model. Site dimensions were taken from Figure 1. Table 5 shows the resulting estimated source mass for each site. Mass flux estimates for Site R were developed separately (See Table 3).

Source Decay Model

The source decay coefficient represents how quickly the source is being depleted and can be derived using estimates of the source mass and the rate at which contaminants leave the source (Newell et al, 1996):

$$k_s = \frac{Q.C_{so}}{M_o}$$

where:

k_s = Source decay coefficient (1/year)
Q = Groundwater flowrate through source zone (L/year)
C_{so} = Observed source concentration at time = 0 (mg/L)
M_o = Dissolvable mass in source at time = 0 (mg)

Estimations of the source decay coefficients are presented in Table 6. For first order decay (see *Source Evaluation Study*), the time required to reach any concentration is given by

$$t = -\frac{1}{k_s}\ln\left(\frac{C_t}{C_{so}}\right)$$

where:

t = Time (years)
k_s = Source decay coefficient (1/year)

C_t = Source concentration goal (mg/L) (assumed to be 0.005 mg/L)
C_{so} = Observed source concentration at time = 0 (mg/L)

Using the estimated source mass and mass flux (equal to the product of the flowrate and the initial concentration), planning level estimations of the source lifetimes under natural attenuation for Sites O, P, Q, R, and S were developed (Table 6).

As described in the *Source Evaluation Study*, source zones include a mixture of pools and fingers that have lower mass transfer rates from DNAPL to groundwater when the groundwater velocity through the source zone is increased. Therefore, it was assumed in this study that increasing the groundwater flowrate through the source zone by a factor of 8.9 (by pumping at 26,400 gpm rather than 3000 gpm) would increase the mass transfer by a factor of 2.5 (the mid-point of finger value of 2.1 and pool values of 3.0) when pumping was started (for details see *Source Evaluation Study*, p. 13). Therefore, the source decay coefficient for Alternative 5 was obtained by multiplying the natural conditions source decay coefficient by 2.5.

The planning level estimations of the source lifetimes under intensive pumping for Sites O, P, Q, R, and S are presented in Table 6.

Summary

Planning level source lifetime calculations indicate that groundwater remediation timeframes for sites with elevated concentrations (sites that now exceed 0.005 mg/L) range from 8 years (Site S) to 351 years (Site R) (Table 6). Intensive groundwater pumping under Alternative 5 generally shortens the remediation timeframes by 60%. Site R is expected to have the longest remediation timeframe, with 351 years predicted for Alternatives 1-4 and 140 years for Alternative 5.

There is considerable uncertainty in the remediation timeframe calculations, making the results more appropriate for relative comparisons rather than absolute predictions.

C. Newell and S. Farhat

GROUNDWATER
SERVICES, INC.

REFERENCES

Groundwater Services, Inc., "Interim Groundwater Remedy Design Basis" in "Focused Feasibility Study Interim Groundwater Remedy Sauget Area 2 Sites O, Q, R and S", Solutia Inc., St. Louis, Missouri, March 31, 2002.

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Newell, C. J., J. Gonzales, and R. McLeod, 1996. BIOSCREEN Natural Attenuation Decision Support System, Version 1.3, U.S. Environmental Protection Agency, EPA/600/R-96/087, www.epa.gov/ada/kerrlab.html.

Spitz, K. and J. Moreno, 1996. A Practical Guide to Groundwater and Solute Transport Modeling, John Wiley and Sons, New York, New York.

Solutia Inc., "Focused Feasibility Study. Interim Groundwater Remedy Sauget Area 2 Sites O, Q, R and S", St. Louis, Missouri, March 31, 2002.

URS Corporation. "Sauget Area 2 RI/FS Sauget, Illinois. Base Map", Maryland Heights, Missouri, March 27, 2003.

Zheng, C. and G. Bennett, 1995. Applied Contaminant Transport Modeling, Theory and Practice, Van Nostrand Reinhold, New York, New York

GROUNDWATER
SERVICES, INC.

TABLE 1a
COMPARISON OF OBSERVED AND CALCULATED PIEZOMETER WATER LEVELS

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Piezometer	Observed Head[1] (ft AMSL)	Calculated Head[2] (ft AMSL)
Layer 2		
Piez-1	389.72	391.17
Piez-2	390.98	392.13
Piez-3	391.90	393.46
Piez-4	389.86	391.28
Piez-5	392.70	394.14
Piez-6	393.25	395.54
Piez-7	389.06	391.17
Piez-8	393.97	396.31
Piez-9	394.68	398.00
	Layer 2 RMS error (ft)	**2.00**
Layer 3		
Piez-1	389.75	391.17
Piez-2	391.05	392.13
Piez-3	391.83	393.46
Piez-4	390.16	391.28
Piez-5	392.71	394.14
Piez-6	393.32	395.54
Piez-7	389.43	391.17
Piez-8	393.98	396.31
Piez-9	394.69	398.00
	Layer 3 RMS error (ft)	**1.93**

Notes:
1. Observed values measured on June 9, 2003.
2. Modeled groundwater elevations obtained from MODFLOW using a river elevation of 390.31 ft amsl.

ft = feet
AMSL = American mean sea level
RMS = root mean square

GROUNDWATER
SERVICES, INC.

TABLE 1b
RIVER STAGE ESTIMATE FOR MODFLOW CALIBRATION

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Date and Time	Gage Height (ft)	River Stage (ft AMSL)
June 8 2003 12:00	11.25	391.19
June 8 2003 13:00	11.24	391.18
June 8 2003 14:00	11.13	391.07
June 8 2003 15:00	11.13	391.07
June 8 2003 16:00	11.19	391.13
June 8 2003 17:00	11.02	390.96
June 8 2003 18:00	10.96	390.90
June 8 2003 19:00	10.87	390.81
June 8 2003 20:00	10.76	390.70
June 8 2003 21:00	10.67	390.61
June 8 2003 22:00	10.57	390.51
June 8 2003 23:00	10.48	390.42
June 8 2003 24:00	10.38	390.32
June 9 2003 1.00	10.25	390.19
June 9 2003 2:00	10.15	390.09
June 9 2003 3:00	10.03	389.97
June 9 2003 4:00	9.97	389.91
June 9 2003 5:00	9.9	389.84
June 9 2003 6:00	9.86	389.80
June 9 2003 7:00	9.72	389.66
June 9 2003 8:00	9.64	389.58
June 9 2003 9:00	9.58	389.52
June 9 2003 10:00	9.54	389.48
June 9 2003 11:00	9.46	389.40
June 9 2003 12:00	9.42	389.36
	Mean of Stage	390.31

Notes:
1. Gage Zero = 379.94 ft: obtained from
   http://mvs-wc.mvs.usace.army.mil/MISS/MISL.html;
   gage number 0179A Mississippi River at St. Louis, Missouri).
2. Hourly gage data for station USGS 07010000 (Mississippi River
   at St. Louis, Missouri) obtained from U.S. Geological Survey - WRD,
   Rolla, Missouri.
   ft = feet
   AMSL = American mean sea level

GROUNDWATER SERVICES, INC.

TABLE 2
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)											
	Layer 1	Layer 2			Layer 3							
	16 ft bgs	26 ft bgs	36 ft bgs	46 ft bgs	56 ft bgs	66 ft bgs	76 ft bgs	86 ft bgs	96 ft bgs	106 ft bgs	116 ft bgs	120 ft bgs
SITE O												
VOCs												
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
1,1-Dichloroethane	2.4	2.6	2.2	2.5	2.8	1.2	1	<5	<20	<10	<10	<2.5
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	1.1 J
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
1,2-Dichloroethene (total)	3	5.7	0.62 J	0.57 J	2	<2	0.77 J	<10	<40	<20	<20	<5
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
2-Butanone (MEK)	<10	<10	<10	<10	<10	<10	<10	<50	<200	<100	<100	<25
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10	<10	<10	<50	<200	<100	<100	<25
Acetone	-	-	-	-	-	<25	<25	<120	<500	<250	<250	<62
Benzene	0.1 J	0.13 J	<1	<1	<1	<1	<1	<5	<20	9.6 J	<10	<2.5
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Bromoform	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Bromomethane	<1	<1	<1	<1	<1	<1	<1	-	<20	<10	<10	<2.5
Carbon Disulfide	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Chlorobenzene	7.8	5.4	32	7.1	5.6	7.8	180	620	1500	1300	900	400
Chlorodibromomethane	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Chloroform	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Chloromethane	<1	<1	<1	<1	<1	0.45 J	<1	<5	<20	<10	<10	<2.5
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Dichloromethane	<5	<5	<5	<5	<5	<5	0.72 J	<25	<100	<50	<50	<12
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Methyl N-Butyl Ketone	<10	<10	<10	<10	<10	<10	<10	<50	<200	<100	<100	<25
Styrene (Monomer)	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Toluene	<1	<1	<1	<1	<1	<1	0.52 J	<5	<20	<10	<10	1 J
trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<5	<20	<10	<10	<2.5

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)											
	Layer 1	Layer 2			Layer 3							
	16 ft bgs	26 ft bgs	36 ft bgs	46 ft bgs	56 ft bgs	66 ft bgs	76 ft bgs	86 ft bgs	96 ft bgs	106 ft bgs	116 ft bgs	120 ft bgs
VOCs cont'd												
Vinyl chloride	0.35 J	0.76 J	0.47 J	1.6	2.5	2	5.4	3.8 J	<20	<10	<10	2.2 J
Xylenes, Total	<2	<2	<2	<2	<2	<2	<2	<10	<40	<20	<20	<5
SVOCs												
1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	<10	<10	7.4 J	2.2 J	<10	1.2 J	1.6 J	1.1 J	3 J	2.7 J	2.3 J	1.2 J
1,3-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	1.5 J	<10	<10
1,4-Dichlorobenzene	<10	<10	3.5 J	1.4 J	<10	<10	1.4 J	3.7 J	51	80	66	21
2,2'-Oxybis(1-Chloropropane)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	3.4 J	3.5 J	1.2 J
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	1.4 J	2.1 J	<10
2,4-Dinitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorophenol	<10	<10	<10	<10	<10	<10	4.8 J	11	18	19	17	6.5 J
2-Methylnaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylphenol (o-Cresol)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-Dichlorobenzidine	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
3-Methylphenol/4-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
4,6-Dinitro-2-methylphenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
4-Bromophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Nitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Acenaphthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)pyrene	1.6 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	1.1 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)											
	Layer 1	Layer 2			Layer 3							
	16 ft bgs	26 ft bgs	36 ft bgs	46 ft bgs	56 ft bgs	66 ft bgs	76 ft bgs	86 ft bgs	96 ft bgs	106 ft bgs	116 ft bgs	120 ft bgs
SVOCs cont'd												
Benzo(g,h,i)perylene	2.8 J	<10	<10	<10	1.6 J	<10	<10	<10	<10	<10	<10	<10
Benzo(k)fluoranthene	1.2 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzyl Butyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Chloroethoxy)methane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Chloroethyl)ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Ethylhexyl)phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbazole	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chrysene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene	2.7 J	<10	<10	<10	1.3 J	<10	<10	<10	<10	<10	<10	<10
Dibenzofuran	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Diethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dimethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-butylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-octylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene	3 J	<10	<10	<10	1.8 J	<10	<10	<10	<10	<10	<10	<10
Isophorone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	<10	<10	<10	<10	<10	<10	2.1 J	5.7 J	8.7 J	10	8 J	3 J
Nitrobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitroso-di-n-propylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodiphenylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P-Chloroaniline	<20	<20	<20	<20	<20	<20	<20	1.1 J	3.4 J	4.1 J	2.8 J	<20
Pentachlorophenol	<1	<50	<50	<50	<1	<50	<50	<50	<1	<50	<50	<1
Phenanthrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)										
	Layer 2			Layer 3							
	24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	114 ft bgs	120 ft bgs
SITE P											
VOCs											
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
1,2-Dichloroethene (total)	<2	<2	<2	<2	<2	<2	<2	<2	<50	<50	<20
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
2-Butanone (MEK)	7.5 J	<10	<10	<10	<10	<10	<10	<10	<250	<250	<100
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10	<10	<10	<10	<250	<250	<100
Acetone	39	<25	<25	<25	<25	<25	<25	<25	<620	<620	<250
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	190	60	77
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Carbon Disulfide	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	6.4 J
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Chlorobenzene	<1	<1	<1	<1	1	5.8	12	4.8	4900	4600	2300
Chlorodibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Chloromethane	0.33 J	<1	<1	<1	<1	<1	<1	0.53 J	<25	<25	<10
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Dichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<120	<120	<50
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Methyl N-Butyl Ketone	<10	<10	<10	<10	<10	<10	<10	<10	<250	<250	<100
Styrene (Monomer)	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)										
	Layer 2			Layer 3							
	24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	114 ft bgs	120 ft bgs
VOCs cont'd											
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	16
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1	<1	<25	<25	<10
Xylenes, Total	<2	<2	<2	<2	<2	<2	<2	<2	<50	<50	<20
SVOCs											
1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
1,2-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
1,3-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
1,4-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	10 J	9.8 J	3.1 J
2,2'-Oxybis(1-Chloropropane)	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2,4-Dichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2,4-Dinitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<100	<50	<50
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2-Chlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	78	46	22
2-Methylnaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2-Methylphenol (o-Cresol)	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
2-Nitroaniline	<50	<50	<50	<50	1.2 J	<50	<50	<50	<100	<50	<50
2-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
3,3'-Dichlorobenzidine	<20	<20	-	<20	<20	<20	<20	<20	<40	<20	<20
3-Methylphenol/4-Methylphenol	<10	<10	<10	<10	1.4 J	<10	<10	<10	<20	<10	<10
3-Nitroaniline	<50	<50	-	<50	<50	<50	<50	<50	<100	<50	<50
4,6-Dinitro-2-methylphenol	<50	<50	<50	<50	5.2 J	<50	<50	<50	<100	<50	<50
4-Bromophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
4-Chlorophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
4-Nitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<100	<50	<50
Acenaphthene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Acenaphthylene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Anthracene	<10	<10	<10	<10	0.8 J	<10	<10	<10	<20	<10	<10
Benzo(a)anthracene	<10	<10	<10	<10	1 J	<10	<10	<10	<20	<10	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)										
	Layer 2			Layer 3							
	24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	114 ft bgs	120 ft bgs
SVOCs cont'd											
Benzo(a)pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	4 J	<10	<10	<10	<20	<10	<10
Benzo(g,h,i)perylene	<10	<10	<10	<10	1.1 J	<10	<10	<10	<20	<10	<10
Benzo(k)fluoranthene	<10	<10	<10	<10	0.89 J	<10	<10	<10	<20	<10	<10
Benzyl Butyl Phthalate	<10	<10	<10	<10	0.87 J	<10	<10	<10	<20	<10	<10
bis(2-Chloroethoxy)methane	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
bis(2-Chloroethyl)ether	<10	<10	<10	<10	1.1 J	<10	<10	<10	<20	<10	<10
bis(2-Ethylhexyl)phthalate	<10	<10	<10	<10	1.2 J	<10	<10	<10	<20	<10	<10
Carbazole	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Chrysene	<10	<10	<10	<10	0.95 J	<10	<10	<10	<20	<10	<10
Dibenzo(a,h)anthracene	<10	<10	<10	<10	2.9 J	<10	<10	<10	4.2 J	<10	<10
Dibenzofuran	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Diethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Dimethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Di-n-butylphthalate	<10	<10	<10	<10	1.1 J	<10	<10	<10	<20	<10	<10
Di-n-octylphthalate	<10	<10	<10	<10	0.72 J	<10	<10	<10	<20	<10	<10
Fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Fluorene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Hexachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Indeno(1,2,3-cd)pyrene	<10	<10	<10	<10	0.89 J	<10	<10	<10	<20	<10	<10
Isophorone	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
Naphthalene	<10	<10	<10	<10	<10	<10	<10	<10	39	21	11
Nitrobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
N-Nitroso-di-n-propylamine	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
N-Nitrosodiphenylamine	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10
P-Chloroaniline	<20	<20	-	<20	<20	<20	<20	<20	24 J	7.3 J	2.8 J
Pentachlorophenol	0.21 J	<50	<50	<50	<1	6.4 J	5.9 J	<50	4.7 J	<50	3.9 J
Phenanthrene	<10	<10	<10	<10	0.98 J	<10	<10	<10	<20	<10	<10
Phenol	<10	<10	<10	<10	<10	<10	<10	<10	14 J	3.4 J	2.8 J
P-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<100	<50	<50
Pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L) Layer 3								
	50 ft bgs	60 ft bgs	70 ft bgs	80 ft bgs	90 ft bgs	100 ft bgs	110 ft bgs	120 ft bgs	130 ft bgs
SITE Q: AA-Q-1									
VOCs									
1,1,1-Trichloroethane	<1	<1	<1	<2	<1	<1	<1	<2	<5
1,1,2,2-Tetrachloroethane	<1	<1	<1	<2	<1	<1	<1	<2	<5
1,1,2-Trichloroethane	<1	<1	<1	<2	<1	<1	<1	<2	<5
1,1-Dichloroethane	5.6	4.9	1.1	2.2	2.9	<1	<1	<2	<5
1,1-Dichloroethylene	<1	<1	<1	<2	<1	<1	<1	<2	<5
1,2-Dichloroethane	<1	<1	<1	<2	<1	<1	<1	<2	<5
1,2-Dichloroethene (total)	0.96 J	<2	<2	<4	<2	<2	<2	<4	<10
1,2-Dichloropropane	<1	<1	<1	<2	<1	<1	<1	<2	<5
2-Butanone (MEK)	<10	<10	<10	<20	<10	<10	<10	<20	<50
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<20	<10	<10	<10	<20	<50
Acetone	11 J	16 J	<25	<50	<25	<25	<25	<50	<120
Benzene	2.4	<1	<1	<2	1.4	<1	10	28	33
Bromodichloromethane	<1	<1	<1	<2	<1	<1	<1	<2	<5
Bromoform	<1	<1	<1	<2	<1	<1	<1	<2	<5
Bromomethane	<1	<1	<1	<2	<1	<1	<1	<2	<5
Carbon Disulfide	0.37 J	2.5 J	<1	<2	<1	<1	<1	<2	<5
Carbon Tetrachloride	<1	<1	<1	<2	<1	<1	<1	<2	<5
Chlorobenzene	130	240	100	130	220	200	130	310	1100
Chlorodibromomethane	<1	<1	<1	<2	<1	<1	<1	<2	<5
Chloroethane	1.3	0.89 J	<1	0.69 J	0.84 J	<1	<1	<2	<5
Chloroform	<1	<1	<1	<2	<1	<1	<1	<2	<5
Chloromethane	0.96 J	<1	<1	<2	<1	<1	0.21 J	<2	2.7 J
cis-1,3-Dichloropropene	<1	<1	<1	<2	<1	<1	<1	<2	<5
Dichloromethane	<5	<5	<5	<10	<5	<5	<5	<10	<25
Ethylbenzene	1	<1	<1	<2	<1	<1	0.89 J	2.1	6.9
Methyl N-Butyl Ketone	<10	<10	<10	<20	<10	<10	<10	<20	<50
Styrene (Monomer)	<1	<1	<1	<2	<1	<1	<1	<2	<5
Tetrachloroethene	<1	<1	<1	<2	<1	<1	<1	<2	<5
Toluene	<1	<1	<1	<2	<1	<1	0.39 J	<2	1.5 J
trans-1,3-Dichloropropene	<1	<1	<1	<2	<1	<1	<1	<2	<5
Trichloroethylene	<1	<1	<1	<2	<1	<1	<1	<2	<5
Vinyl chloride	0.72 J	<1	<1	<2	<1	<1	3.2	2.9	4.6 J
Xylenes, Total	<2	<2	<2	<4	<2	<2	2	<4	22

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L) Layer 3											
	50 ft bgs	Filtered 50 ft bgs	60 ft bgs	70 ft bgs	80 ft bgs	90 ft bgs	100 ft bgs	110 ft bgs	120 ft bgs	Filtered 120 ft bgs	128 ft bgs	Filtered 128 ft bgs
SVOCs												
1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	6.1 J
1,2-Dichlorobenzene	11	9.3 J	8 J	4 J	5.6 J	<10	<10	3 J	7.4 J	3.4 J	440	490
1,3-Dichlorobenzene	2.5 J	1.6 J	1.5 J	<10	<10	<10	<10	<10	<10	<10	<100	2.5 J
1,4-Dichlorobenzene	30	15	21	9.6 J	12	12	7.8 J	3.2 J	6.1 J	<10	19 J	22
2,2'-Oxybis(1-Chloropropane)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
2,4-Dichlorophenol	1 J	<10	<10	<10	1 J	<10	<10	<10	<10	<10	<100	12
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
2,4-Dinitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Chlorophenol	3.2 J	2.8 J	3 J	1.6 J	2.4 J	3.7 J	4.6 J	3.6 J	10	4 J	<100	5.6 J
2-Methylnaphthalene	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Methylphenol (o-Cresol)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50
2-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
3,3'-Dichlorobenzidine	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<200	<20
3-Methylphenol/4-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
3-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50
4,6-Dinitro-2-methylphenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50
4-Bromophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
4-Chlorophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
4-Nitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50
Acenaphthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Acenaphthylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Anthracene	<10	<10	<10	<10	0.62 J	<10	<10	<10	<10	<10	<100	<10
Benzo(a)anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Benzo(a)pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	3.7 J	<10	<10	<10	<10	<10	<100	<10
Benzo(g,h,i)perylene	<10	<10	<10	<10	1.2 J	<10	<10	<10	1 J	<10	<100	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L) Layer 3											
	50 ft bgs	Filtered 50 ft bgs	60 ft bgs	70 ft bgs	80 ft bgs	90 ft bgs	100 ft bgs	110 ft bgs	120 ft bgs	Filtered 120 ft bgs	128 ft bgs	Filtered 128 ft bgs
SVOCs cont'd												
Benzo(k)fluoranthene	<10	<10	<10	<10	0.84 J	<10	<10	<10	<10	<10	<100	<10
Benzyl Butyl Phthalate	<10	<10	<10	<10	0.66 J	<10	<10	<10	<10	<10	<100	<10
bis(2-Chloroethoxy)methane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
bis(2-Chloroethyl)ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
bis(2-Ethylhexyl)phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Carbazole	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Chrysene	<10	<10	<10	<10	0.58 J	<10	<10	<10	<10	<10	<100	<10
Dibenzo(a,h)anthracene	<10	<10	<10	<10	2.8 J	<10	<10	<10	1 J	<10	<100	<10
Dibenzofuran	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Diethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Dimethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Di-n-butylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Di-n-octylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Fluorene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Hexachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Indeno(1,2,3-cd)pyrene	<10	<10	<10	<10	0.88 J	<10	<10	<10	1 J	<10	<100	<10
Isophorone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Naphthalene	<10	<10	<10	<10	<10	<10	<10	2 J	5.9 J	2.1 J	<100	3.1 J
Nitrobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
N-Nitroso-di-n-propylamine	<10	<10	<10	<10	1.5 J	<10	<10	<10	<10	<10	<100	<10
N-Nitrosodiphenylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
P-Chloroaniline	130	120	80	14 J	55	110	5.2 J	1.6 J	27	36	3200	3500
Pentachlorophenol	<1	<50	<50	<50	<1	<50	<50	<50	<1	<50	<1	<50
Phenanthrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10
Phenol	<10	<10	<10	<10	<10	<10	<10	<10	3.4 J	2.3 J	<100	2 J
P-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500	<50
Pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L) Layer 3						
	50 ft bgs	60 ft bgs	70 ft bgs	80 ft bgs	90 ft bgs	100 ft bgs	110 ft bgs
SITE Q: AA-Q-4							
VOCs							
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethene (total)	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1
2-Butanone (MEK)	<10	<10	<10	<10	1.8 J	<10	<10
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10	<10	<10
Acetone	-	<25	<25	<25	<25	<25	<25
Benzene	<1	<1	<1	0.38 J	<1	0.18 J	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	<1	0.65 J	0.32 J	<1	<1	2.5	0.33 J
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	59	9.8	5.6	45	52	7.7	1.3
Chlorodibromomethane	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<1	0.82 J	<1	0.9 J	<1	<1	<1
Methyl N-Butyl Ketone	<10	<10	<10	<10	<10	<10	<10
Styrene (Monomer)	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1
Toluene	0.36 J	0.34 J	0.38 J	0.32 J	<1	<1	<1
trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	<1	<1	<1	<1	<1	<1	<1
Xylenes, Total	<2	<2	<2	<2	<2	<2	<2

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)								
	Layer 3								
	50 ft bgs	Filtered 50 ft bgs	60 ft bgs	70 ft bgs	80 ft bgs	90 ft bgs	100 ft bgs	110 ft bgs	Filtered 110 ft bgs
SVOCs									
1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,3-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,2'-Oxybis(1-Chloropropane)	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dichlorophenol	<10	<10	2.2 J	2 J	2.1 J	2.4 J	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dinitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorophenol	7.6 J	4 J	<10	<10	<10	1.8 J	<10	<10	<10
2-Methylnaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylphenol (o-Cresol)	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50
2-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-Dichlorobenzidine	<20	<20	-	-	-	-	<20	<20	<20
3-Methylphenol/4-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10
3-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50
4,6-Dinitro-2-methylphenol	<50	<50	<50	<50	<50	<50	<50	<50	<50
4-Bromophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Nitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50
Acenaphthene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthylene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene	<10	<10	<10	<10	<10	<10	<10	<10	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)								
	Layer 3								
	50 ft bgs	Filtered 50 ft bgs	60 ft bgs	70 ft bgs	80 ft bgs	90 ft bgs	100 ft bgs	110 ft bgs	Filtered 110 ft bgs
SVOCs cont'd									
Benzo(k)fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzyl Butyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Chloroethoxy)methane	<10	<10	-	-	-	-	<10	<10	<10
bis(2-Chloroethyl)ether	3.8 J	4.4 J	<10	<10	<10	<10	<10	<10	<10
bis(2-Ethylhexyl)phthalate	<10	<10	<10	<10	0.87 J	<10	<10	<10	<10
Carbazole	<10	<10	-	-	-	-	<10	<10	<10
Chrysene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene	<10	-	<10	<10	<10	<10	<10	<10	-
Dibenzofuran	<10	<10	<10	<10	<10	<10	<10	<10	<10
Diethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dimethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-butylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-octylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Isophorone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Nitrobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitroso-di-n-propylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodiphenylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10
P-Chloroaniline	<20	<20	-	-	-	-	<20	<20	<20
Pentachlorophenol	<1	<50	<50	<50	0.41 J	<50	<50	0.49 J	<50
Phenanthrene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phenol	<10	<10	<10	<10	<10	<10	<10	<10	<10
P-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50
Pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)									
	Layer 2		Layer 3							
	24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	110 ft bgs
SITE Q: AA-Q-6										
VOCs										
1,1,1-Trichloroethane	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
1,1,2,2-Tetrachloroethane	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
1,1,2-Trichloroethane	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
1,1-Dichloroethane	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
1,1-Dichloroethylene	<5	<100	<5	<1	<1	<1	<5	0.37 J	<1	<1
1,2-Dichloroethane	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
1,2-Dichloroethene (total)	<10	<200	<10	<2	<2	<2	<10	0.37 J	<2	<2
1,2-Dichloropropane	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
2-Butanone (MEK)	<50	<1000	<50	1.4 J	10	<10	<50	3.1 J	2.3 J	1.4 J
4-Methyl-2-pentanone (MIBK)	<50	<1000	<50	<10	<10	<10	<50	<10	<10	<10
Acetone	61 J	<2500	<120	<25	24 J	14 J	<120	<25	<25	<25
Benzene	490	12000	520	1100	72	56	580	84	110	39
Bromodichloromethane	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Bromoform	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Bromomethane	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Carbon Disulfide	<5	<100	<5	2.2	<1	0.57 J	<5	0.67 J	0.33 J	0.38 J
Carbon Tetrachloride	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Chlorobenzene	<5	<100	<5	1.5	1.4	1.2	<5	0.58 J	<1	0.55 J
Chlorodibromomethane	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Chloroethane	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Chloroform	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Chloromethane	<5	<100	<5	<1	<1	<1	1.5 J	<1	<1	<1
cis-1,3-Dichloropropene	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Dichloromethane	<25	<500	<25	<5	<5	<5	<25	1.2 J	<5	<5
Ethylbenzene	64	<100	<5.7	2.3	4.2	1.6	9.1	1.4	1.4	1.1
Methyl N-Butyl Ketone	<50	<1000	<50	<10	<10	<10	<50	<10	<10	<10
Styrene (Monomer)	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Tetrachloroethene	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Toluene	70	52 J	4.7 J	3.8	0.88 J	0.69 J	9.4	1.1	0.66 J	0.48 J
trans-1,3-Dichloropropene	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Trichloroethylene	<5	<100	<5	<1	<1	<1	<5	0.76 J	<1	<1
Vinyl chloride	<5	<100	<5	<1	<1	<1	<5	<1	<1	<1
Xylenes, Total	26	<200	10	4	3.8	<2	11	2.8	0.9 J	<2

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)													
	Layer 2			Layer 3										
	24 ft bgs	Filtered 24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	Filtered 64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	Filtered 104 ft bgs	110 ft bgs	Filtered 110 ft bgs
SVOCs														
1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,3-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,2'-Oxybis(1-Chloropropane)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dichlorophenol	9.4 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dinitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	-	-	<10	<10	<10	<10
2-Chlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylnaphthalene	500 J	-	150	16	7.9 J	32	14	10	20	2 J	2.6 J	<10	2 J	-
2-Methylphenol (o-Cresol)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-Dichlorobenzidine	<20	<20	<20	<20	-	-	-	-	<20	<20	-	<20	-	<20
3-Methylphenol/4-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
4,6-Dinitro-2-methylphenol	<50	<50	2.2 J	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
4-Bromophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Nitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Acenaphthene	8 J	6.9 J	2.7 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Anthracene	0.65 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)pyrene	1.4 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

	Concentration (ug/L)													
	Layer 2			Layer 3										
Chemical Name	24 ft bgs	Filtered 24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	Filtered 64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	Filtered 104 ft bgs	110 ft bgs	Filtered 110 ft bgs
SVOCs cont'd														
Benzo(k)fluoranthene	1.4 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzyl Butyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Chloroethoxy)methane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Chloroethyl)ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Ethylhexyl)phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbazole	12	8.3 J	4.8 J	<10	<10	<10	<10	<10	1.2 J	<10	<10	<10	<10	<10
Chrysene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene	3.2 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzofuran	5.2 J	2.9 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Diethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dimethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-butylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-octylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene	9.8 J	6.2 J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Isophorone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	120 J	91 J	<10	<10	<10	15	10	3.2 J	2.2 J	<10	<10	<10	<10	<10
Nitrobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitroso-di-n-propylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodiphenylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P-Chloroaniline	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Pentachlorophenol	<1	<50	<50	<50	<50	<1	<50	<50	<50	<50	<1	<50	<1	<50
Phenanthrene	18	7.2 J	<10	<10	<10	5 J	<10	2.4 J	<10	<10	<10	<10	<10	<10
Phenol	-	14	320	46	38	4 J	4.7 J	3.4 J	24	3.2 J	7 J	9.5 J	3 J	4.4 J
P-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)									
	Layer 2		Layer 3							
	24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	111 ft bgs
SITE Q: AA-Q-8										
VOCs										
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	0.52 J	0.57 J	<1	0.22 J	0.32 J	0.43 J	0.35 J	0.23 J
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethene (total)	2.8	0.66 J	16	15	7.4	1.2 J	1.4 J	1.1 J	0.54 J	5.7
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Butanone (MEK)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	-	-	-	-	-	<25	<25	<25	<25	<25
Benzene	<1	0.11 J	<1	0.24 J	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	<1	<1	<1	0.88 J	0.36 J	<1	<1	<1	<1	0.42 J
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	0.74 J	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	0.24 J	0.22 J
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl N-Butyl Ketone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Styrene (Monomer)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	<1	<1	0.29 J	0.38 J	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	0.17 J	0.22 J	<1	0.18 J	<1	<1	0.41 J	<1	<1	<1
Vinyl chloride	<1	<1	3.8	2.6	0.98 J	<1	<1	<1	<1	1.7
Xylenes, Total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)													
	Layer 2			Layer 3										
	24 ft bgs	Filtered 24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	Filtered 64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	Filtered 104 ft bgs	110 ft bgs	Filtered 110 ft bgs
SVOCs														
1,2,4-Trichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,3-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,2'-Oxybis(1-Chloropropane)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dinitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,6-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylnaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylphenol (o-Cresol)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-Dichlorobenzidine	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
3-Methylphenol/4-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
4,6-Dinitro-2-methylphenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
4-Bromophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenyl Phenyl Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Nitrophenol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Acenaphthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene	<10	<10	<10	<10	0.84 J	0.77 J	<10	<10	<10	<10	<10	<10	0.81 J	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

	Concentration (ug/L)													
	Layer 2			Layer 3										
Chemical Name	24 ft bgs	Filtered 24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	Filtered 64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	Filtered 104 ft bgs	110 ft bgs	Filtered 110 ft bgs
SVOCs cont'd														
Benzo(k)fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzyl Butyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Chloroethoxy)methane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Chloroethyl)ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Ethylhexyl)phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbazole	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chrysene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene	<10	0.62 J	<10	<10	0.64 J	0.58 J	<10	<10	<10	<10	<10	<10	0.64 J	<10
Dibenzofuran	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Diethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dimethyl Phthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-butylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-octylphthalate	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluoranthene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene	<10	<10	<10	<10	0.77 J	0.68 J	<10	<10	<10	<10	<10	<10	0.94 J	<10
Isophorone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Nitrobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitroso-di-n-propylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodiphenylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P-Chloroaniline	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Pentachlorophenol	<1	<50	<50	<50	<50	<1	<50	<50	<50	<50	<1	<50	<1	<50
Phenanthrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P-Nitroaniline	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Pyrene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)										
	Layer 2			Layer 3							
	24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	114 ft bgs	124 ft bgs
SITE S											
VOCs											
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	0.62 J	0.53 J	<1	<1	<1
1,1-Dichloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethene (total)	0.3 J	<2	<2	<2	<1	0.53 J	0.84 J	0.74 J	1.5 J	0.57 J	<2
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Butanone (MEK)	<10	<10	<10	11	<10	<10	8.4 J	<10	<10	<10	15
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10	<10	<10	<10	<10	1 J	<10
Acetone	<25	<25	<25	<25	-	<25	<25	<25	-	-	-
Benzene	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	<1	<1	<1	<1	<1	<1	<1	<1	0.94 J	<1	0.88 J
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1.7	<1	0.44 J	<1	4.8	22	27	70	410	78
Chlorodibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	<1	3.3	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	<1	0.34 J	<1	0.32 J	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichloromethane	<5	<5	<5	<5	0.42 J	<5	<5	<5	<5	<5	<5
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl N-Butyl Ketone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Styrene (Monomer)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	0.41 J	<1	<1	<1	<1	<1	0.46 J	<1	<1	<1	0.79 J
trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	<1	<1	<1	<1	<1	<1	0.68 J	<1	<1	<1	<1
Vinyl chloride	0.32 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.5
Xylenes, Total	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)										
	Layer 2			Layer 3							
	24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	114 ft bgs	124 ft bgs
SVOCs											
1,2,4-Trichlorobenzene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	1.5 J	1.4 J	<20	<10	<10	<10	<10	<10	<10	<10	<10
1,3-Dichlorobenzene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2,2'-Oxybis(1-Chloropropane)	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dichlorophenol	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dimethylphenol	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dinitrophenol	<50	<50	<100	<50	<50	<50	<50	<50	<50	<50	<50
2,4-Dinitrotoluene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2,6-Dinitrotoluene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorophenol	<10	<10	<20	<10	<10	<10	<10	<10	<10	7.1 J	<10
2-Methylnaphthalene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylphenol (o-Cresol)	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitroaniline	<50	<50	<100	<50	<50	<50	<50	<50	<50	<50	<50
2-Nitrophenol	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-Dichlorobenzidine	<20	<20	<40	<20	<20	<20	<20	<20	<20	<20	<20
3-Methylphenol/4-Methylphenol	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
3-Nitroaniline	<50	<50	<100	<50	<50	<50	<50	<50	<50	<50	<50
4,6-Dinitro-2-methylphenol	<50	<50	<100	<50	<50	<50	<50	<50	<50	<50	<50
4-Bromophenyl Phenyl Ether	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloro-3-methylphenol	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenyl Phenyl Ether	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
4-Nitrophenol	<50	<50	<100	<50	<50	<50	<50	<50	<50	<50	<50
Acenaphthene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthylene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Anthracene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)pyrene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(k)fluoranthene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Benzyl Butyl Phthalate	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10

GROUNDWATER SERVICES, INC.

TABLE 2 CONT'D
SUMMARY OF SITE GROUNDWATER CONCENTRATIONS BY DEPTH

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Chemical Name	Concentration (ug/L)										
	Layer 2			Layer 3							
	24 ft bgs	34 ft bgs	44 ft bgs	54 ft bgs	64 ft bgs	74 ft bgs	84 ft bgs	94 ft bgs	104 ft bgs	114 ft bgs	124 ft bgs
SVOCs cont'd											
bis(2-Chloroethoxy)methane	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Chloroethyl)ether	1.8 J	1.4 J	<20	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Ethylhexyl)phthalate	<10	<10	<20	3.5 J	<10	<10	<10	<10	<10	<10	<10
Carbazole	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Chrysene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzofuran	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Diethyl Phthalate	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Dimethyl Phthalate	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-butylphthalate	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-octylphthalate	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Fluoranthene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Isophorone	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	<10	<10	<20	<10	<10	<10	<10	<10	<10	3.3 J	<10
Nitrobenzene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitroso-di-n-propylamine	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodiphenylamine	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
P-Chloroaniline	<20	<20	<40	<20	<20	<20	<20	<20	<20	<20	<20
Pentachlorophenol	<1	<50	<100	<50	<1	<50	<50	<50	<1	<50	<1
Phenanthrene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
Phenol	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10
P-Nitroaniline	<50	<50	<100	<50	<50	<50	<50	<50	<50	<50	<50
Pyrene	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10

Notes:
1. Layer is the MODFLOW model layer. Layer 2 corresponds to the Middle Hydrogeologic Unit while Layer 3 corresponds to the Lower Hydrogeologic Unit.
ft bgs = feet below ground surface
ug/L = microgram per liter
VOC = volatile organic compound
SVOC = semivolatile organic compound
J = estimated value
< = constituent analyzed, but not detected at the detection limit shown
- = constituent not analyzed

GSI Job No. G-2839
Issued: 11/20/03

PRELIMINARY

GROUNDWATER SERVICES, INC.

TABLE 3
CALCULATION OF SITE R CONCENTRATION AND MASS FLUX

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

	Zone									
	1	***2***	***3***	***4***	***5***	***6***	***7***	***8***	***9***	***10***
Middle Hydrogeologic Unit										
VOC Concentration (mg/L)	12	17	22	26	26	22	16	8	5	2
SVOC Concentration (mg/L)	135	317	354	489	728	461	325	361	479	271
VOC + SVOC Concentration (mg/L)	147	334	376	515	754	483	341	369	484	273
Flowrate in Zone (gpm)	17	18	18	21	17	19	18	17	21	25
Mass Flux (kg/yr)	4,936	11,665	13,572	21,362	25,905	18,636	11,938	12,305	20,625	13,315
									Mass Flux for Middle Hydrogeologic Unit (kg/yr)	**154,260**
									Average Concentration (VOC+SVOC) for Middle Hydrogeologic Unit (mg/L)	**408**
Lower Hydrogeologic Unit										
VOC Concentration (mg/L)	2	1	1	1	1	1	1	0	0	0
SVOC Concentration (mg/L)	47	128	209	196	88	46	69	84	52	14
VOC + SVOC Concentration (mg/L)	49	129	210	197	89	47	70	84	52	14
Flowrate in Zone (gpm)	30	31	32	31	34	31	30	38	43	38
Mass Flux (kg/yr)	2,906	7,925	13,429	11,920	6,018	2,920	4,132	6,397	4,489	1,071
									Mass Flux for Lower Hydrogeologic Unit (kg/yr)	**61,207**
									Average Concentration (VOC+SVOC) for Lower Hydrogeologic Unit (mg/L)	**94**
									TOTAL MASS FLUX MIDDLE AND LOWER HYDROGEOLOGIC UNITS (kg/yr)	**215,466**

NOTES:
1. Flow obtained from MODFLOW Zone Budget.
2. See text for method of concentration calculation.
3. Average river stage of 391 ft.

mg/L = milligram per liter
kg/yr = kilogram per year
gpm = gallons per minute
VOC = volatile organic compound
SVOC = semivolatile organic compound

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TABLE 4
ESTIMATION OF SOURCE MASS

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Site	Average Concentration (mg/L)		Thickness (ft)		Width (ft)		Length (ft)		Residual Saturation (-)		Fraction Aquifer With NAPL (-)		Porosity (-)		NAPL Density (kg/L)		Mass COCs (kg)	
	MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU
Site O	0.004	0.086	30	71	1491	1491	887	887	0.05	0.05	2.2E-6	4.3E-5	0.35	0.35	1.25	1.25	56	2,494
Site P	0.012	0.250	30	72	3934	3934	528	528	0.05	0.05	5.9E-6	1.3E-4	0.35	0.35	1.25	1.25	227	11,550
Site Q AA-Q-1	-	0.099	30	62	1453	1453	1170	1170	0.05	0.05	-	4.9E-5	0.35	0.35	1.25	1.25	-	3,205
AA-Q-4	-	0.007	30	59	1868	1868	1302	1302	0.05	0.05	-	3.5E-6	0.35	0.35	1.25	1.25	-	309
AA-Q-6	0.453	0.038	30	65	1443	1443	698	698	0.05	0.05	2.3E-4	1.9E-5	0.35	0.35	1.25	1.25	4,188	780
AA-Q-8	0.001	0.002	28	58	1925	1925	1981	1981	0.05	0.05	3.8E-7	9.3E-7	0.35	0.35	1.25	1.25	25	127
Site R	408	94	30	69	2000	2000	540	540	0.05	0.05	2.0E-1	4.7E-2	0.35	0.35	1.25	1.25	4,129,341	2,180,580
Site S	0.001	0.023	30	69	349	349	89	89	0.05	0.05	6.9E-7	1.2E-5	0.35	0.35	1.25	1.25	0	15

Notes:
1. Concentrations based on location AA-O-1 for Ssite O, AA-P-1 for Site P, and AA-S-1 for Site S.
2. Hydrogeologic unit thickness and hydraulic gradient based on MODFLOW model.

mg/L = Milligram per liter
ft = Feet
cm/sec = Centimeter per second
ft/yr = Feet per year
kg/yr = Kilograms per year
gpm = Gallons per minute
MHU = Middle hydrogeologic unit
LHU = Lower hydrogeologic unit

GROUNDWATER SERVICES, INC.

TABLE 5
CALCULATION OF MASS FLUX TO RIVER

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Site		Average Concentration (mg/L)		Thickness (ft)		Width (ft)		K (cm/sec)		i (ft/ft)		Darcy Velocity (ft/yr)		Flow (gpm)		Mass Flux (kg/yr)	
		MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU	MHU	LHU
Site O		0.004	0.086	30	71	1491	1491	0.15	0.15	0.0010	0.0010	158	158	102	238	9.1E-1	4.1E+1
Site P		0.012	0.250	30	72	3934	3934	0.14	0.14	0.0010	0.0010	144	144	244	581	5.7E+0	2.9E+2
Site Q	AA-Q-1	-	0.099	30	62	1453	1453	0.14	0.14	0.0015	0.0015	211	211	132	270	-	5.3E+1
	AA-Q-4	-	0.007	30	59	1868	1868	0.11	0.11	0.0015	0.0015	168	168	134	266	-	3.7E+0
	AA-Q-6	0.453	0.038	30	65	1443	1443	0.11	0.11	0.0015	0.0015	175	175	107	235	9.6E+1	1.8E+1
	AA-Q-8	0.001	0.002	28	58	1925	1925	0.06	0.06	0.0017	0.0017	102	102	80	163	1.2E-1	6.0E-1
Site S		0.001	0.023	30	69	349	349	0.15	0.15	0.0012	0.0012	187	187	28	65	7.8E-2	3.0E+0

Notes:
1. Concentrations based on location AA-O-1 for Site O, AA-P-1 for Site P, and AA-S-1 for Site S.
2. Hydrogeologic unit thickness and hydraulic gradient based on MODFLOW model.
3. Assuming uniform hydraulic conductivity over entire site.
4. See Table 3 for Site R mass flux data.

mg/L = Milligram per liter
ft = Feet
cm/sec = Centimeter per second
ft/yr = Feet per year
kg/yr = Kilograms per year
gpm = Gallons per minute
MHU = Middle hydrogeologic unit
LHU = Lower hydrogeologic unit

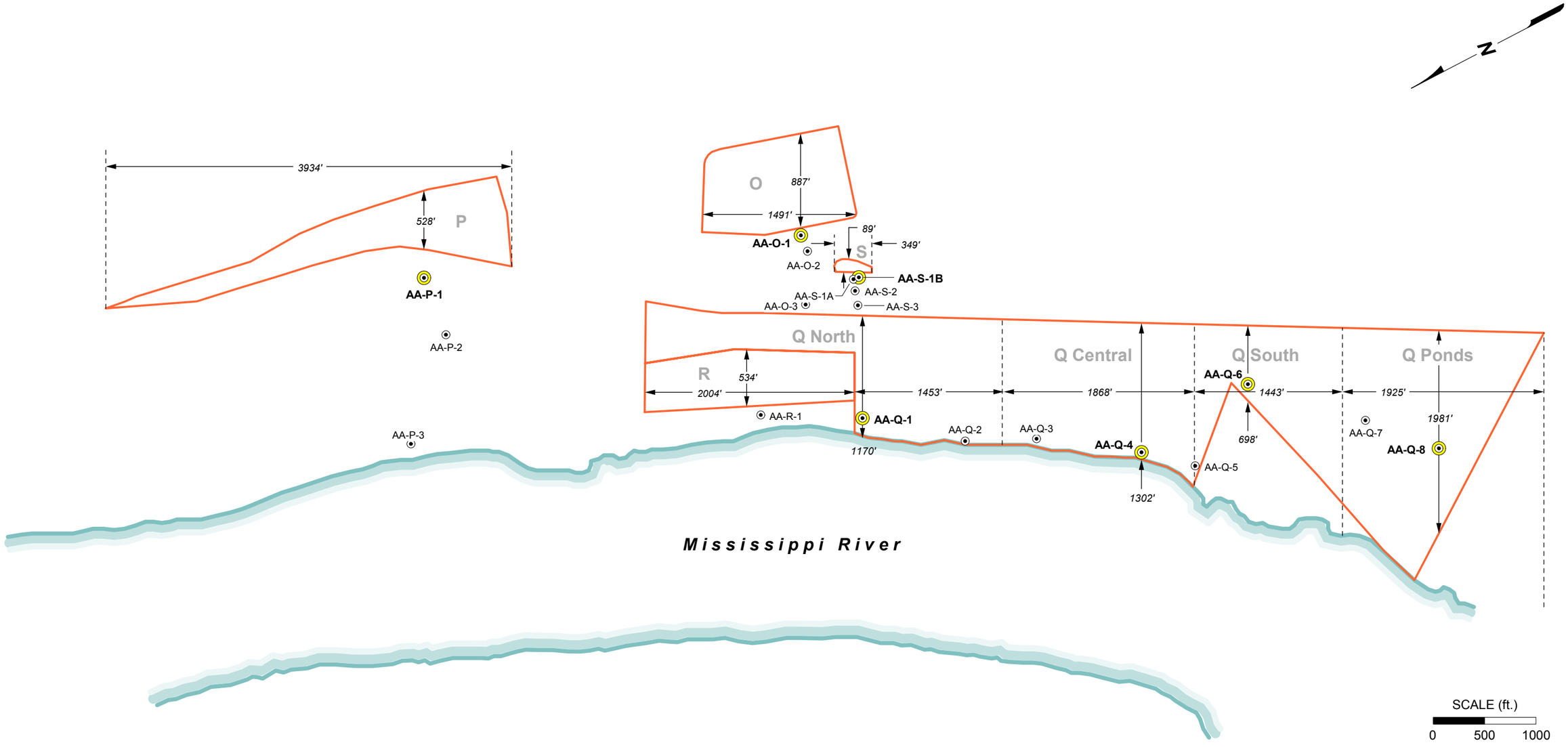
GROUNDWATER SERVICES, INC.

TABLE 6
REMEDIATION TIMEFRAME FOR FIVE ALTERNATIVES

Sauget Area 2 Focused Feasibility Study
Sauget Area 2, Sauget, Illinois

Site		Hydrogeologic Unit	Initial Concentration (mg/L)	Source Mass (kg)	Mass Flux (kg/yr)	k_s Natural (per year)	Remediation Timeframe for Alternatives 1-4 (years)	k_s Pumping (per year)	Remediation Timeframe for Alternative 5 (years)
Site O		MHU	0.004	5.6E+1	9.1E-1	1.6E-2	0	4.1E-2	0
		LHU	0.086	2.5E+3	4.1E+1	1.6E-2	174	4.1E-2	70
Site P		MHU	0.012	2.3E+2	5.7E+0	2.5E-2	34	6.3E-2	14
		LHU	0.250	1.2E+4	2.9E+2	2.5E-2	156	6.3E-2	63
Site Q	AA-Q-1	MHU	-	-	-	-	-	-	-
		LHU	0.099	3.2E+3	5.3E+1	1.7E-2	180	4.1E-2	72
	AA-Q-4	MHU	-	-	-	-	-	-	-
		LHU	0.007	3.1E+2	3.7E+0	1.2E-2	28	3.0E-2	11
	AA-Q-6	MHU	0.453	4.2E+3	9.6E+1	2.3E-2	196	5.7E-2	78
		LHU	0.038	7.8E+2	1.8E+1	2.3E-2	89	5.7E-2	35
	AA-Q-8	MHU	0.001	2.5E+1	1.2E-1	4.7E-3	0	1.2E-2	0
		LHU	0.002	1.3E+2	6.0E-1	4.7E-3	0	1.2E-2	0
Site R		MHU	407.671	4.1E+6	1.5E+5	3.7E-2	303	9.3E-2	121
		LHU	94.140	2.2E+6	6.1E+4	2.8E-2	351	7.0E-2	140
Site S		MHU	0.001	4.0E-1	7.8E-2	1.9E-1	0	4.9E-1	0
		LHU	0.023	1.5E+1	3.0E+0	1.9E-1	8	4.9E-1	3

NOTES:
1. Alternative 1 represents no action; Alternative 2 represents institutional controls and monitoring; Alternative 3 represents a physical barrier to Site R only; Alternative 4 represents a physical barrier adjacent to the western side of Sauget Area 2; and Alternative 5 represents a hydraulic control adjacent to the western side of Sauget Area 2.
   mg/L = Milligram per liter
   kg/yr = Kilogram per year
   MHU = Middle hydrogeologic unit
   LHU = Lower hydrogeologic unit



LEGEND

- Site-related groundwater sampling locations
- Sampling location used for remediation timeframe estimate
- Site boundaries

Notes:

1) Data from Area 1 background locations will also be considered as background for Area 2.
2) Map data taken from URS Base Map, 3/27/03, Job No. 2320010024.02

GROUNDWATER SERVICES, INC.

SITE LOCATION MAP

Sauget Area 2 FFS
Sauget Area 2, Sauget, Illinois

GSI Job No:	G-2839	Drawn By:	DLB
Issued:	11/20/03	Chk'd By:	SKF
Revised:	———	Appv'd By:	SKF
Scale:	As Shown	**FIGURE 1**	

April 14, 2008

GSI ENVIRONMENTAL

APPENDIX 2

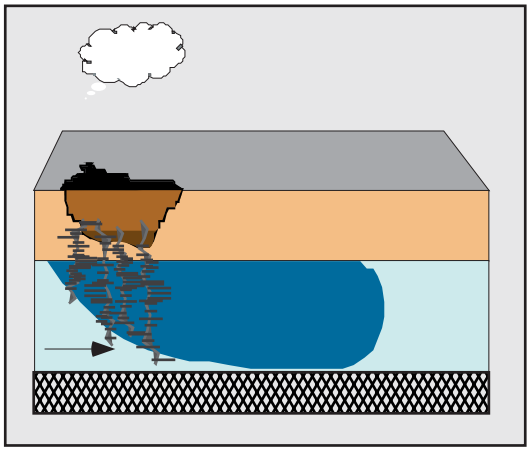
Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Appendix 2. Source Evaluation Study

SOURCE EVALUATION STUDY

Sauget Area 1

Sauget and Cahokia, Illinois



Submitted to
Solutia Inc.

May 21, 2001

Groundwater Services, Inc.
2211 Norfolk, Suite 1000, Houston, Texas 77098

GROUNDWATER
SERVICES, INC.

May 21, 2001

EXECUTIVE SUMMARY

An evaluation of the source of impacted groundwater at Site I within Sauget Area 1 was performed to evaluate two questions:

1) *What is the dominant source mechanism at the site?*
2) *What is the effect of an intensive pump-and-treat system on the lifetime of the source?*

Dominant Source Mechanism

Two source mechanisms that have the potential to be active at the Sauget site are: 1) *leaching* of unsaturated source materials, and 2) residual Dense Nonaqueous Phase Liquid *(DNAPL) dissolution* (see Figure 1). Six general indicators were evaluated to assess which of these two source mechanisms are primarily responsible for the observed plumes associated with Site I.

The analysis indicated that *DNAPL dissolution* is a major source mechanism at Site I based on an analysis of six different indicators. The following indicators support the conclusion that trapped residual DNAPL is present: dissolved constituent concentrations increase with depth, site constituents extend from the water table to the bottom of the water-bearing interval, and three constituents are found at concentrations that suggest the possible presence of non-mobile residual DNAPL. Some leaching of unsaturated waste/soil materials may also be occurring, as some constituents did not show increasing concentrations with depth. Overall, however, **DNAPL dissolution** appears to be the dominant source mechanism at Site I.

Source Conceptual Model

If DNAPL dissolution is the dominant source mechanism at Site I, it is likely that the DNAPL in the unconsolidated valley fill deposits is present as thin vertical fingers and small horizontal pools throughout the entire vertical extent of the water-bearing unit. Only a small fraction of the total DNAPL mass can ever be removed by pumping any "free-phase" DNAPL pools, if they are found. The rest of the DNAPL is immobile, and will serve as a long-term continuing source of constituents to groundwater.

The current natural mass removal rate via dissolution from the Site I source zone was estimated to be 7000 kg/yr assuming uniform source concentrations throughout the source zone.

Effect of Pumping

As shown by DNAPL dissolution expressions, increasing the flow rate through a DNAPL source zone will significantly decrease the concentration of constituents in the extracted groundwater. For example, if the flowrate through a DNAPL source zone is increased by a factor of 8.9 (to 1500 gpm) due to intensive pumping, the resulting concentration is likely to decrease by a factor of 3.6 while pumping is active, resulting in an overall increase in the mass removal rate of only 2.5 times. Therefore, an intensive pump-and-treat system at Site I with 8.9 times the natural flowrate through the source area (an achievable pumping rate if there is no reinjection) would result in an initial mass removal rate of 17,500 kg/yr.

A planning level source lifetime calculation was done to estimate the relative performance of various remediation schemes. This analysis, while not providing high-confidence estimates of the absolute time to cleanup, does indicate that with an assumed mass of 410,000 kg of VOCs + SVOCs in the saturated zone below Site I, intensive pumping over a 10 to 30 year period does not appear to have an appreciable effect on overall source lifetime (i.e., ≤ 10% reduction). Similar limitations are expected for Sites G/H/L as well.

INTRODUCTION

As requested by Solutia Inc. (Solutia), Groundwater Services, Inc. (GSI), has completed a study of hydrogeologic, source, and fate and transport data from the Sauget Area 1 located in Sauget and Cahokia, Illinois. The study was conducted to: 1) help determine what type of source mechanisms are responsible for dissolved constituents found in the affected groundwater, and 2) determine the feasibility of remediating this source area by aggressive pumping. This letter report summarizes the results of the study.

PROJECT BACKGROUND

An extensive RI/FS study of Sauget Area 1 is now being conducted by Solutia. Data from two groundwater monitoring well transects indicates the presence of dissolved constituents migrating west in groundwater from the vicinity of one of the six source areas in Area 1 (i.e., Site I) at concentrations exceeding Illinois Class II groundwater standards.

Source Site I

Site I originally was a sand and gravel pit which received industrial and municipal wastes from 1931 to 1957. Site I is approximately 19 acres in area and underlies a large, fenced, controlled-access, gravel covered truck parking lot and the Sauget City Hall and associated parking lots (Sauget Area 1 EE/CA and RI/FS Support Sampling Plan). Soil samples collected from Site I have indicated elevated levels of volatile organic compounds (e.g., benzene, chlorobenzene); semi-volatile organic compounds (e.g., naphthalene, trichlorobenzene); pesticides; herbicides; PCBs; and metals.

Hydrogeology

Sauget Area 1 is located in the Mississippi River floodplain in an area referred to as the American Bottoms. The geology of the area is described as consisting of unconsolidated valley fill deposits (Cahokia Alluvium) overlying glacial outwash material (Henry Formation). In general, the permeability of the unconsolidated material increases with depth, with the outwash material being comprised of medium- to coarse-grained sand and gravel. The hydrogeologic conceptual model divides the unconsolidated water-bearing unit into three horizons: the shallow

horizon (generally 15-30 ft deep), the middle horizon (generally 30-70 ft deep), and the deep horizon (generally 70-110 ft deep).

These unconsolidated deposits are underlain by limestone and dolomite bedrock.

Study Constituents

For this study, two classes of constituents were evaluated. The two constituent classes were selected based on prevalence and concentration in groundwater, and include:

- Volatile Organic Compounds (chlorinated and non-chlorinated), and
- Semi-Volatile Organic Compounds (chlorinated and non-chlorinated).

SOURCE MECHANISMS

Knowledge of which source mechanisms are active at a site is important for developing an accurate conceptual model of constituent fate and transport, and for developing appropriate remedial responses. Two source mechanisms that have the potential to be active at the Sauget site are leaching of unsaturated source materials and residual DNAPL dissolution (see Figure 1).

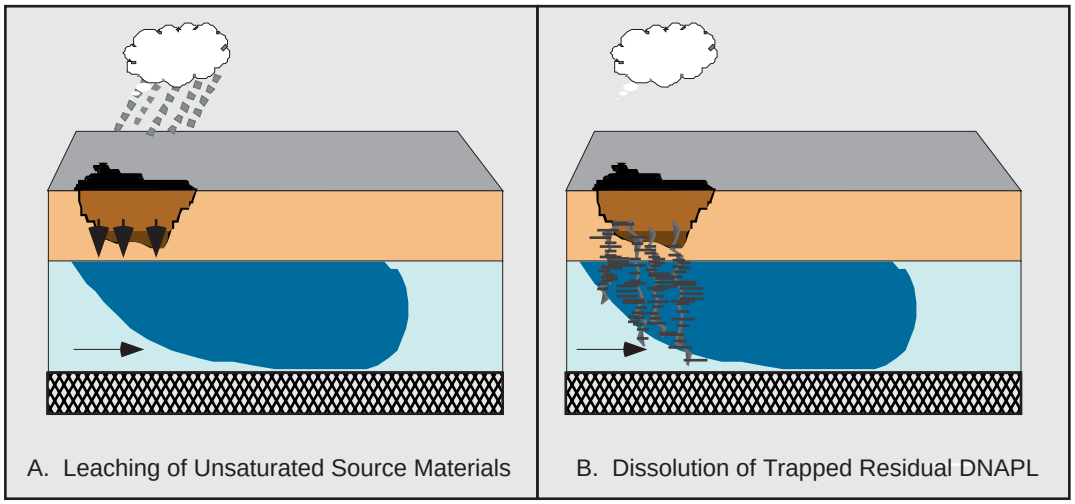


FIGURE 1. Two Potential Groundwater Source Mechanisms

Leaching of unsaturated source materials (see Panel A in Figure 1) results from infiltration of rainfall through near-surface source materials such as waste materials in the source areas and contaminated unsaturated soils. Residual DNAPL dissolution (see Panel B in Figure 1) occurs when soluble organic constituents dissolve from trapped residual DNAPL fingers and pools that entered the subsurface when the source area was active.

EVIDENCE OF SOURCE MECHANISMS

The available groundwater data were evaluated to help assess the likelihood that the two most likely source mechanisms are present at the site. The following six indicators were used:

General Indicators of Strong DNAPL Dissolution Processes:

- Indicator 1: Concentrations are generally increasing with depth.
- Indicator 2: Constituents are found deep in the water-bearing unit.
- Indicator 3: Concentrations are above 1% of the pure-phase solubility.
- Indicator 4: Results of EPA Quick Reference Fact Sheet "Estimating Potential for Occurrence of DNAPL at Superfund Sites," (Newell and Ross, 1992).

General Indicators of Strong Soil Leaching Processes:

- Indicator 5: Leachate concentrations (as indicated from TCLP tests of unsaturated waste materials) are greater than groundwater concentrations in the shallow horizon.
- Indicator 6: Concentrations in the shallowest horizon are greater than in deeper horizons.

To assess these indicators, groundwater constituent data were compiled (see Tables 1-2). Data from the groundwater transect (well AA-I-S1 for Site I) were used to evaluate constituent concentrations in the shallow horizon (< 30 ft deep) vs. middle horizon (30-70 ft deep) vs. deep horizon (70-110 ft deep) (see Table 1). Note that only the transect monitoring well closest to the source area was evaluated.

RESULTS

Indicator 1: An evaluation of groundwater data for Site I shows that the sum of *maximum* detectable VOCs + SVOCs in groundwater concentrations from the deep

horizon is 47.5 mg/L, compared to only 22.1 mg/L in the shallow horizon (see Table 1). This trend is also seen in the majority of the individual VOC and SVOC constituents. For example, the maximum chlorobenzene concentration increases from 8.7 mg/L in the shallow horizon, to 20 mg/L in the middle horizon, and to 34 mg/L in the deep horizon. Of the five constituents with maximum concentrations greater than 1 mg/L, three (chlorobenzene, 1,2,4-trichlorobenzene, and 1,4-dichlorobenzene) have their maximum concentrations in the middle or deep horizon. The other two, cis/trans 1,2-dichloroethene and 4-chloroaniline, have the maximum concentration in the shallow horizon.

Indicator 2: Site constituents are found throughout the entire depth of the unconsolidated unit, from the water table surface to locations over 100 ft deep.

Indicator 3: Three site constituents (chlorobenzene, 1,4 dichlorobenzene, and fluoranthene) are found in concentrations that exceed 1% of each respective pure-phase solubility (see Table 1).

Indicator 4: Based on site historical data and observed groundwater concentrations, the EPA Fact Sheet "Estimating Potential for Occurrence of DNAPL at Superfund Sites," shows a "**High-Moderate**" Potential for DNAPL at Site I.

Indicator 5: Of the six constituents where a comparison could be made, five had higher concentrations in the groundwater than in the leachate from waste materials, suggesting that leaching was not responsible for the highest groundwater concentrations at Site I (see Table 2).

Indicator 6: As described above, only two of the five constituents with concentrations greater than 1 mg/L (cis/trans 1,2-dichloroethene and 4-chloroaniline) have their maximum concentrations in the shallow horizon.

KEY POINT: SITE I SOURCE MECHANISMS

DNAPL dissolution is a major source mechanism at Site I based on an analysis of the evaluated indicators. Dissolved constituent concentrations increase with depth, site constituents extend from the water table to the bottom of the water-bearing interval, and three constituents are found at concentrations that suggest the possible presence of non-mobile residual DNAPL.

Some leaching of unsaturated waste/soil materials may also be occurring, as some constituents such as 4-chloroaniline did not show increasing concentrations with depth. Overall, however, DNAPL dissolution appears to be the dominant source mechanism at Site I.

POTENTIAL FOR SOURCE REMEDIATION

Conceptual Model of Source

The following discussion summarizes our conceptual model of the DNAPL source located in the saturated zone beneath Site I:

- DNAPL is present as "fingers" and "pools" in the saturated zone extending from approximately 15 to 110 ft below the surface (see Figure 2 for a conceptual figure).

  Supporting Information: "Once penetration of the capillary fringe occurs, downward movement will continue until all the CHC (chlorinated hydrocarbon) solvent is present as suspended fingers (ganglia) in the porous media and/or as pools of CHC perched on low-permeability zones. Once a pool starts to form on top of a low-permeability layer somewhere above the bottom of the aquifer, a continued supply of CHC will cause (1) enlargement of the pool, (2) penetration of the layer, and/or (3) spawning of new downward-moving fingers at the perimeter of the layer." Johnson and Pankow (1992)

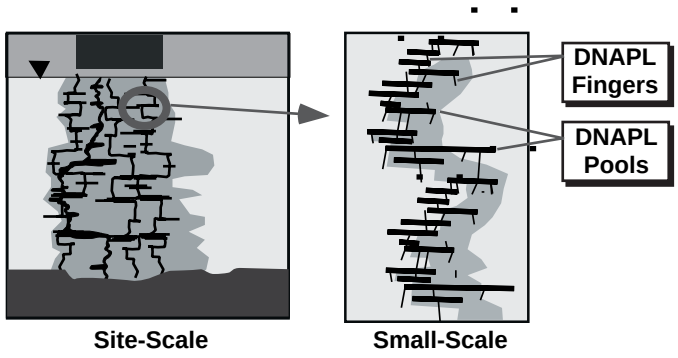


FIGURE 2. Conceptual Model of DNAPL Source Zone

- Small horizontal pools of DNAPL are present throughout the entire vertical extent of the saturated zone, and not just at the bottom of the unit.

  Supporting Information: "In granular aquifers, small horizontal zones of residual or free-phase DNAPL need not be caused by particularly low permeability zones such as silt or clay. A minor contrast in grain size distribution and hence permeability, as from a coarse sand layer to a fine sand, causes variation in DNAPL entry pressure. A DNAPL will accumulate on the finer-grained layer while spreading laterally until it reaches the edge of the layer, or until the height of the free-product accumulation on the layer exceeds the entry pressure for the layer." Pankow and Cherry (1996)

- Much or most of the DNAPL mass is present in the trapped residual state that cannot be recovered by pumping.

Supporting Information: "Note that after the continuous NAPL body has been converted to a residual form, the individual NAPL blobs are held very tightly in the porous media by capillary forces. Wilson and Conrad (1984) evaluated the force required to mobilize and completely sweep away residual blobs in porous media in terms of the hydraulic gradient a pumping system would have to generate to either 1) begin blob mobilization, or 2) mobilize all blobs in a porous medium. This relationship, presented as a graph of hydraulic conductivity vs. required hydraulic gradient, indicates that mobilization of NAPL blobs by pumping will occur only in very coarse porous media with a very high hydraulic gradient. The rest of the blobs will stay trapped in the porous media, serving as a long-term source of dissolved contaminants." (Wiedemeier et al., 1999)

(Note: For the unconsolidated alluvial fill deposits at this site, Wilson and Conrad's analysis indicates that a gradient of 0.5 ft/ft would be required to begin to mobilize NAPL blobs. This is 500 times the current hydraulic gradient, and impossible to effect over the entire source area without extensive pumping and re-injection).

- It is extremely unlikely that any DNAPL that may be present at the site is still mobile or will become mobile under current conditions.

  Supporting Information: "Once the release of DNAPL into the subsurface ceases, subsurface movement of DNAPL also ceases soon thereafter, perhaps within weeks or months at solvent sites. The resulting immobile DNAPL then exists in the DNAPL source zone as "residual" non-aqueous liquid and also possibly as "free-product" accumulations ponded on lower permeability layers within aquifers, or on the tops of aquitards. The free-product DNAPL will not become mobile again unless a release of more DNAPL causes further accumulation in the same zones, or unless there are changes in pressure in the surrounding water phase due to groundwater pumping or injection." Pankow and Cherry (1996)

- The presence of pools that can be pumped is relatively rare at DNAPL sites, and if such pools are found and pumped, only a small fraction of the total DNAPL in place is removed.

  Supporting Information: "In field investigations of sites where extensive solvent contamination exists, pools of free-product solvent are only rarely found, even when their existence is not in doubt." "It is the author's experience that chlorinated solvents with their high densities form thick pools only rarely." Pankow and Cherry (1996)

  "Therefore, in a practical sense, NAPL removal translates to recovery of a small percentage of NAPL at a site (i.e., whatever continuous NAPL can be collected)." Wiedemeier et al., (1999)

- The presence of DNAPL pools and fingers will only occupy a small fraction of the available pore space in the source zone.

  Supporting Information: "However, heterogeneity has a marked influence on the direction of DNAPL migration. A random distribution of permeability and displacement pressure will result in a highly erratic pattern of DNAPL flow…" "The remarkable sensitivity of DNAPL penetration to the capillary-hydraulic properties can be expected to result in highly complex, seemingly chaotic saturation distributions in the subsurface." "Even in the idealized case of a perfectly homogeneous

medium, DNAPL can be expected to penetrate in the form of narrow, elongated distributions in which the mean saturation of DNAPL is small." Pankow and Cherry (1996)

- The source will persist for a long time.

  Supporting Information: "These calculations suggest that zones of residual DNAPL and especially pool DNAPL can persist in the subsurface and contribute to groundwater contamination for decades to centuries." "For most chlorinated solvents, the rate of dissolution of pools will be sufficiently slow that the DNAPL source zones will cause significant contamination of the groundwater for centuries or more." Pankow and Cherry (1996)

- Pumping can increase the rate that mass is removed from the source, but the removal efficiency will be much less than the removal efficiency for natural attenuation.

  Supporting Information: "However, the increase in mass removal (by pumping) will not be in proportion to the increase in the groundwater pumping rate because of limitations on the DNAPL dissolution kinetics, and because of further dilution with clean water from outside the source zone." Pankow and Cherry (1996)

KEY POINT: CONCEPTUAL MODEL FOR SOURCE

Most of the Site I DNAPL in the unconsolidated valley fill deposits is present as thin vertical fingers and small horizontal pools throughout the entire vertical extent of the water-bearing unit. Only a small fraction of the total DNAPL mass can ever be removed by pumping free-phase pools, if they are found. Under current conditions, the rest of the DNAPL is immobile, and will serve as a long-term continuing source of constituents to groundwater.

ESTIMATED NATURAL DISSOLUTION RATE

Natural Groundwater Flushing Rate

Separate hydraulic conductivity and hydraulic gradient data were developed for the shallow, middle, and deep horizons of the unconsolidated deposits.

The hydraulic conductivity estimates developed for the model were based on: 1) literature reports, and 2) preliminary analysis of RI/FS slug test data. The literature reference (Ritchey and Schicht, 1982) reported that the hydraulic conductivity for the unconsolidated material used for water supply in the American Bottoms area ranged from $5x10^{-2}$ to $1.4x10^{-1}$ cm/sec.

The analysis of RI/FS slug test data from Site I wells showed the following hydraulic conductivities:

Horizon	Site I (well ST-I-S) (cm/sec)
Shallow	$4.5x10^{-3}$
Middle	$5.1x10^{-2}$
Deep	$1.3x10^{-1}$

Using the data from the literature report, slug test results, and calibration work, the following hydraulic conductivities were used in the model:

- Shallow Horizon: $1x10^{-2}$ cm/sec
- Middle Horizon: $1x10^{-1}$ cm/sec
- Deep Horizon: $1x10^{-1}$ cm/sec

Using RI/FS potentiometric surface maps provided by Roux Associates, Inc., the following hydraulic gradients were used in the model:

- Shallow Horizon: 0.001 ft/ft
- Middle Horizon: 0.001 ft/ft
- Deep Horizon: 0.001 ft/ft

These values yield the following representative values for groundwater Darcy velocity at the site:

- Shallow Horizon: 10.4 ft/yr
- Middle Horizon: 104 ft/yr
- Deep Horizon: 104 ft/yr

As shown by the data, the shallow horizon of the unconsolidated deposits is less permeable, and has a much lower groundwater velocity than the more coarse-grained middle and deep horizons.

The hydrogeologic conceptual model divides the unconsolidated water-bearing unit into three horizons: the shallow horizon (generally 15-30 ft deep), the middle horizon (generally 30-70 ft deep), and the deep horizon (generally 70-110 ft deep). Therefore the assumed saturated thicknesses for the shallow, middle, and deep units were: 15 ft, 40 ft, and 40 ft, respectively. When a 1400 ft wide

source zone is assumed (the width of Site I perpendicular to groundwater flow), a naturally-occurring groundwater flushing rate of 168 gpm is obtained (3.1 gpm for the shallow unit, 82.5 gpm for the middle unit, and 82.5 gpm for the deep unit).

Natural Mass Removal Rate

The average total VOC + SVOC concentrations from the transect well closest to Site I (well AA-I-S1) are 13.3 mg/L, 21.9, mg/L, and 19.9 mg/L for the shallow, middle, and deep horizons, respectively. For this planning-level calculation, it was assumed that these concentrations extended throughout the entire width of the Site I source zone, a potential overestimation (however, if all other source removal calculations use the same assumptions, the relative results will be accurate). Therefore, the mass removal rate under natural conditions was estimated by multiplying average VOC + SVOC concentrations for each horizon by the flow for each horizon, and converting to a mass rate of kg/yr leaving the source zone (3.78 L/gal; 1440 min/day; 365 day/yr; 10^{-6} kg/mg). This calculation resulted in the following naturally-occurring mass removal rate totaling approximately 7000 kg/yr from all three horizons:

- Shallow Horizon: 82 kg/yr
- Middle Horizon: 3,613 kg/yr
- Deep Horizon: 3,271 kg/yr

TOTAL: 6,966 kg/yr

KEY POINT: NATURAL MASS REMOVAL RATE

The natural mass removal rate from the Site I source zone is estimated to be 7000 kg/yr assuming uniform source concentrations throughout the source zone.

Assumed Flowrate From An Intensive Pump-and-Treat System

Three methods were evaluated to provide a planning-level estimate of the flowrate from an intensive pump-and-treat system at Site I (see Appendix A). First, an empirical well yield relationship (Driscoll, 1986) based on transmissivity, expected drawdown, and assumptions for other variables in the nonequilibrium (Jacob) equation was used. The second method was based on typical well yields from regional water supply wells as reported by Schicht (1965):

> "It is a general practice of industries and municipalities to place a well in operation and pump it at high rates, often about 1000 gpm."

The third method was based on evaluating specific capacity (well yield divided by drawdown) provided by Schicht (1965).

These calculation approaches suggest that an intensive pumping system for Site I could yield 1000–2500 gpm. For the purpose of this project, a value of 1500 gpm was used.

KEY POINT: GROUNDWATER FLOWRATE FROM INTENSIVE PUMPING
An intensive pump-and-treat system was assumed to have a yield of 1500 gpm.

EFFECT OF PUMPING GROUNDWATER

Because most of the DNAPL is trapped and cannot be removed by direct pumping, a groundwater pump-and-treat system will generally not remove DNAPL directly, but instead will slowly dissolve the DNAPL trapped in fingers and pools. While this dissolution process is relatively slow and inefficient, it will remove DNAPL mass.

Dissolution Kinetics for DNAPL Fingers and Pools

Several analyses have been performed to evaluate the effect of increased pumping rates on the DNAPL dissolution rate for both fingers and pools. In a key paper written by Hunt et al. in 1988, the authors developed relationships for the kinetics of dissolution in NAPL source zones. They evaluated laboratory studies and mass transfer approaches used in the chemical engineering literature, and derived dissolution expressions for residual NAPL ganglia (also called "fingers" or "blobs"). They concluded that:

"Ganglion lifetimes are weakly dependent on flow velocity such that to decrease the lifetime from 100 years to 10 years requires a three order of magnitude increase (x1000) in flow velocity."

In other words, increasing the groundwater pumping rate will increase the finger dissolution rate, but only slightly based on this relationship:

$$\frac{\text{mass transfer rate with pumping}}{\text{mass transfer rate without pumping}} = 10^{\frac{\log10\left[\frac{Q_{pumping}}{Q_{natural}}\right]}{3}}$$

Using this NAPL dissolution relationships reported by Hunt et al. (1988), a 1500 gpm pumping system (a 8.9 times increase in the natural flow rate through the system) would result in a 8.9 fold *increase* in water flushed through the system, but a 4.3 fold *decrease* in effluent concentrations, resulting in a net increase in mass removed only by a factor of 2.1:

$$\frac{\text{mass transfer rate with pumping}}{\text{mass transfer rate without pumping}} = 10^{\frac{\log10\left[\frac{1500\ gpm}{168\ gpm}\right]}{3}} = 2.1$$

The same type of concentration reduction is expected when higher groundwater flowrates are used to dissolve NAPL pools. Dissolution kinetic relationships developed by Johnson and Pankow (1992) indicate that the mass transfer rate (and pool lifetime) changes with the square root of groundwater velocity:

$$\text{Pool Dissolution Time (yrs)} = 2.43 \times 10^{-5}\ \rho\ C_{sat}\ [\ l_p^3 / D_v\ v_d\ ]^{0.5}$$

where:

ρ	=	DNAPL density (g/m^3)
C_{sat}	=	saturation concentration (g/m^3)
l_p	=	length of pool in direction of groundwater flow (m)
D_v	=	vertical dispersion coefficient (m^2/s)
v_d	=	Darcy velocity for groundwater (m/day)

Therefore, increasing the groundwater flowrate over a pool by a factor of 8.9 would result in an initial concentration *decrease* by a factor of 3.0 (approximately the square root of 8.9), and the overall *increase* in the mass removal rate by only a factor of 3.0.

Note that these theoretical expressions are supported by lab and field data (e.g., see Pankow and Cherry, 1996). Because source zones include a mixture of pools and fingers, it was assumed in this study that increasing the groundwater flowrate through the source zone by a factor of 8.9 (by pumping) would increase the mass transfer by a factor of 2.5 (the mid-point of finger value of 2.1 and pool values 3.0) when pumping was started. This is because groundwater concentrations decrease by a factor of 3.6 due to mass transfer effects. Note that

after pumping is stopped, the concentrations would rebound and increase by a factor by the same amount (in the case of these calculations, by a factor of 3.6).

KEY POINT: EFFECT OF PUMPING GROUNDWATER ON CONCENTRATIONS

As shown by DNAPL dissolution expressions, the mass removal rate from a DNAPL source zone is only weakly dependent on the groundwater pumping rate. For example, if the flowrate though a DNAPL source zone is increased by a factor of 8.9 due to intensive pumping, the mass removal rate will only increase by a factor of 2.5 (a representative value for effects of pumping on DNAPL finger and DNAPL pool dissolution) because concentrations in the recovered groundwater would be reduced by a factor of 3.6 due to mass transfer effects.

Mass Removal Rate of Intensive Pump-and-Treat System

Under an intensive pumping scenario with an increase in natural flow (from 168 gpm to approximately 1500 gpm), the groundwater concentrations being removed from the source are expected to fall to between one-third to one-fifth of the observed concentrations under lower flow, natural conditions. Assuming a middle value of post-pumping concentrations that are 3.6 times smaller than the natural concentrations, the initial VOC + SVOC effluent concentrations from an intensive groundwater pump-and-treat system are estimated to be: 3.7 mg/L, 6.0 mg/L, and 5.5 mg/L for the shallow, middle, and deep units, respectively.

Therefore, under an intensive pump-and-treat scenario where 1500 gpm are being flushed through the Site I source zone (an 8.9-fold increase in the flushing rate), the initial mass removal rate is predicted to only increase by a factor of 2.5, from 7000 kg/yr to 17,500 kg/yr due to mass transfer effects related to DNAPL dissolution. Note that this is only the initial mass removal rate for the intensive pumping case, and that this concentration will drop slowly over time as mass is removed from the system.

KEY POINT: MASS REMOVAL RATE FROM INTENSIVE PUMPING

An intensive pump-and-treat system was estimated to have an initial mass removal rate of 17,500 kg/yr, accounting for both the increased flowrate through the system and decreased concentrations in groundwater.

Effect of Pumping on Source Lifetime

Estimating source longevity is a process involving considerable uncertainty, as the original mass in place, mass removal rate, and the change in the mass removal rate over time must all be known. While absolute estimates have a high level of uncertainty, the relative comparison of remediation alternatives can be made with more confidence. In the analysis below, the absolute values for source lifetime should be considered highly uncertain, while the relative comparisons should be considered more accurate.

Estimated Source Mass

A range of estimates of source mass were developed, assuming that the entire saturated zone below Site I is affected by DNAPL. Then the calculated mass removal rates for natural attenuation and an intensive pump-and-treat system were used to estimate source longevity.

Source mass is a function of source volume, the porosity, the residual saturation of DNAPL in the source zone, and the fraction of source volume containing DNAPL. At Site I, the estimated source volume is 1400 ft by 95 ft by 500 ft, or 66,500,000 ft^3. Residual saturation (the fraction of open pore space occupied by DNAPL) values are typically assumed to be between 0.01 and 0.15 (see Pankow and Cherry, 1996), and a value of 0.05 was used for this analysis. A porosity of 0.35 was considered representative of the unconsolidated alluvial deposits at the site. Finally, it was assumed that 1% of the aquifer volume contains residual DNAPL.

Based on these assumptions, a planning-level estimate for the volume of DNAPL under Site I was estimated to be 87,000 gallons. Assuming an average density of 1.25 (based on an average of the density of chlorobenzene and 1,4-dichlorobenzene, two of the most commonly-found site constituents), the estimated mass of DNAPL is approximately 410,000 kg. Note that the actual mass may be more or less, but for the purpose of performing relative calculations of source longevity this value appeared to provide reasonable results.

KEY POINT: SITE I SOURCE MASS ESTIMATE

A planning-level source mass estimate of 410,000 kg of VOCs+SVOCs was estimated for the DNAPL source zone below Site I. There is considerable uncertainty in this estimate, with the actual mass potentially being higher or lower than 410,000 kg.

Source Decay Model

A simple source model, originally developed as part of the BIOSCREEN model (Newell et. al. 1996, EPA/600/R-96/087) and now being included as part of the BIOCHLOR model (Aziz et al., 2000, EPA/600/R-00/008) was used to estimate the lifetime of the groundwater source at Site I under different remediation options.

In this simple box model, the source zone is considered to be located in a box containing some mass of dissolvable contaminants. The rate at which contaminants leave the box is estimated from the rate at which flowing groundwater removes contaminants from the box. The time required to achieve a cleanup standard can then be estimated by comparing the mass of contaminants in the box vs. the time required to remove contaminants from the box. To more closely match real-site conditions, the source concentration is assumed to decay over time, in proportion to the remaining source mass (Wiedemeier et al., 1999). With this assumption, the source concentration over time can be described using:

$$C_t = C_{so} \exp^{(-k_s t)}$$

where:

C_t	=	Source concentration at time t (mg/L)
C_{so}	=	Observed source concentration at t = 0 (mg/L)
t	=	Time (years)
k_s	=	Source decay coefficient (1/year)

(Note that this decay coefficient **is not** related in any way to first-order decay coefficients reported in the literature for natural attenuation, as the literature values typically represent decay half-lives from 0.1 to 10 years and represent biodegradation of dissolved contaminants in the plume *once they have left the source.* The source decay coefficient values represent how quickly a source zone is being depleted, and will usually have much longer half-lives, typically tens or hundreds of years.)

The source decay coefficient, representing how quickly the source is being depleted, can be derived using estimates of the source mass and rate that contaminants leave the source (Newell et al., 1996):

$$k_s = \frac{Q \cdot C_{so}}{M_o}$$

where:

Q = Groundwater flowrate through source zone (L/year)
C_{so} = Observed source concentration at time = 0 (mg/L)(or kg/L)
M_0 = Dissolvable mass in source at time = 0 (mg)(or kg)

This model assumes that the only mass leaving the source zone is dissolved in the water flowing through the source zone. Note that Q and C_{so} are related; the thickness of the source zone should be matched with an appropriate average concentration for that entire depth horizon.

With a first-order source decay term, the source concentration at any time can be derived, providing the time required to reach any concentration:

$$t = -\frac{1}{k_s} \ln\left(\frac{C_t}{C_{so}}\right)$$

where:

t = Time required to reach concentration C_t (years)

Five Source Lifetime Cases

For this analysis, five different cases were evaluated using the source lifetime described above:

Case 1: Natural attenuation only (initial removal rate of 7000 kg/yr)

Case 2: 1 year of intensive pump-and-treat (initial removal rate of 17,500 kg/yr), followed by natural attenuation

Case 3: 5 years of intensive pump-and-treat (initial removal rate of 17,500 kg/yr), followed by natural attenuation

Case 4: 10 years of intensive pump-and-treat (initial removal rate of 17,500 kg/yr), followed by natural attenuation

Case 5: 30 years of intensive pump-and-treat (initial removal rate of 17,500 kg/yr), followed by natural attenuation

With this approach (see Appendix B), the following times to cleanup were estimated:

		Estimated Time to Cleanup (years)	% Reduction from Natural Attenuation Only
Case 1	Natural Attenuation Only	488	-
Case 2	1 Yr of Intensive Pump-and-Treat + Natural Attenuation	486	0.4% reduction
Case 3	5 Yrs of Intensive Pump-and-Treat + Natural Attenuation	480	2% reduction
Case 4	10 Yrs of Intensive Pump-and-Treat + Natural Attenuation	472	3% reduction
Case 5	30 Yrs of Intensive Pump-and-Treat + Natural Attenuation	441	10% reduction

Figure 3 shows a comparison of source concentrations vs. time for two of the six cases.

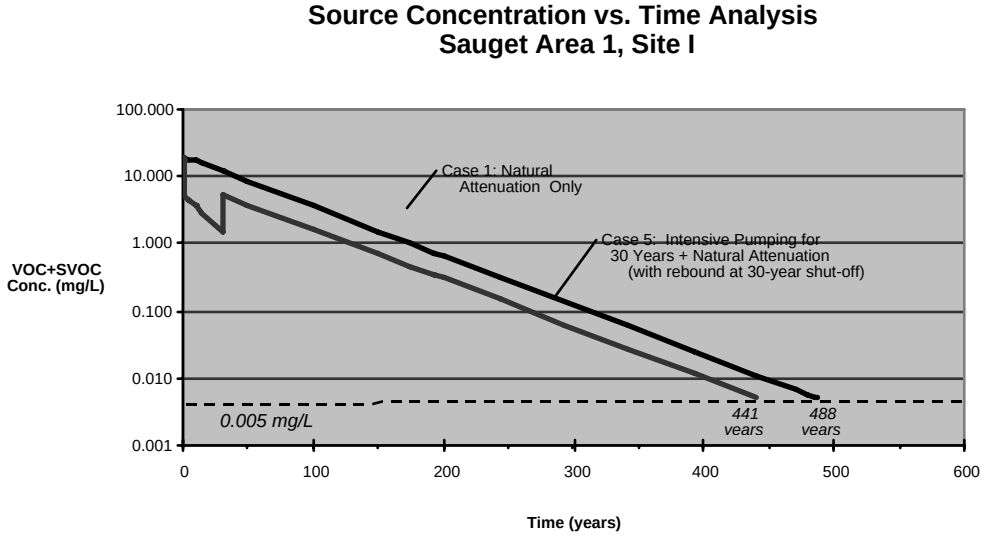


FIGURE 3. Source concentration vs. time graphs for Case 1 (Natural Attenuation Only) and Case 5 (30 Years of Intensive Pump-and-Treat + Natural Attenuation). For Case 1, concentrations start

at 20 mg/L and decline as a first order decay relationship over time. For Case 5, the source concentration starts at 20 mg/L, but concentrations are reduced by a factor of 3.6 due to mass transfer effects caused by the almost 9 times increase in groundwater flow through the source zone. After 30 years, pumping is stopped, groundwater flow is restored to natural conditions, and mass transfer effects cause an increase in concentration by a factor of 3.6 (the "rebound" effect). Overall, the source modeling exercise shows that with the source assumptions described in the text, the time required to restore groundwater is reduced only slightly by 30 years of intensive pumping, from 488 years to 441 years (10% reduction).

Sensitivity Analysis

The source lifetime analysis has several areas of uncertainty, and should be used to evaluate relative differences between remediation alternatives rather than to provide an absolute source lifetime estimate. Significant sources of uncertainty include:

- *The assumption that concentrations observed in well AA-I-S1 extend throughout the entire 1400 ft source width of Site I.* If some sections of the 1400 ft source width of Site I are lower concentration, the following impact on the source lifetime is expected: 1) for the natural attenuation case, the overall source lifetime estimates will not change as both the removal rate and the mass in the source are functions of the source width; and 2) for the pumping case, some reduction in overall source lifetime is expected as source mass is dependent on source width but removal rate is not (it is dependent on pumping rate and expected concentrations).

- *The assumptions that the source is represented by a residual DNAPL saturation of 0.05 and that 1% of the source zone is impacted by DNAPL residual.* These assumptions have a great deal of uncertainty (the literature reports that residual saturations can be as high as 0.50), and were selected in part to yield source lifetimes in the range of several hundreds of years to match the source conceptual model discussed above. If the source is much smaller than the estimated 410,000 kg of VOCs+SVOCs, then the impact of a pumping system will be greater, and greater than a 1% to 10% reduction in source lifetime will be realized. If the source mass is only 41,000 kg (an unlikely event based on the persistence of the source to date), then an intensive pump-and-treat system is predicted to reduce the source lifetime by from 49 years (natural attenuation alone) to 22 years (intensive pumping). Conversely, if the mass is greater, a pump-and-treat system will have less of an effect.

Other, potentially less significant sources of uncertainty are:

- *The assumption that concentrations under a pumping scenario will be smaller than concentrations observed under natural flow conditions.* While there is uncertainty in the actual amount, it has been demonstrated in lab studies and the field that increasing the flowrate through a DNAPL source zone will result in lowered concentrations (for example, see Pankow and Cherry, 1996). Therefore we expect some concentration reduction with a pump-and-treat scenario.

- *The assumption that the flow throughout each interval is uniform and that the concentration in each interval can be calculated by averaging each sample point.* These assumptions were used in the mass removal calculation. While there may be some uncertainty in these assumptions, the large number of vertical samples reduces the potential error.

- *The assumption of a first-order decay relationship for the source dissolution rate.* This assumption is based on observations about source decay, and is now used in two EPA peer-reviewed models, BIOSCREEN and BIOCHLOR. While the exact source concentrations curve may not be exactly first order, it will almost certainly fit a first-order decay curve better than assuming constant source concentrations until the source is exhausted. (Note that the use of the first order decay model for the source does not mean that literature-based first-order decay constants for dissolved constituents were used. A source decay constant is based on removal rate and initial source mass, while a biodegradation rate is based on how fast concentrations decay after they leave the source. This study used a source decay approach, and did not use biodegradation rates to estimate source lifetime).

- *No availability effects related to desorption of constituents at low concentrations have been considered.* Slow desorption of non-available fraction of constituents sorbed to aquifer materials will likely reduce the efficiency of any flushing technology. More pronounced effects may be observed for intensive pumping scenarios.

Additional Analysis

A similar analysis was performed for Sites G/H/L using the same calculation approach as was used for Site I (Appendix B). Two cases were performed, and show little impact from a five-year intensive pumping program:

		Estimated Time to Cleanup (years)	% Reduction from Natural Attenuation Only
Case 6	Natural Attenuation Only – Sites G/H/L	434	-
Case 7	5 Yrs of Intensive Pump-and-Treat + Natural Attenuation	427	2% reduction

An evaluation of other constituents present in Sites G/H/I/L groundwater, such as herbicides, pesticides, dioxins, and metals indicates that some constituents will like achieve cleanup goals faster than the VOCs + SVOCs analyzed for this source report, and others may take longer. Ratios of the maximum observed concentrations at Area 1 vs. the Illinois Class I standard for representative constituents provide a general indication of how quickly various constituents may achieve cleanup goals:

CONSTITUENT (Constituent Class)	MAXIMUM CONCENTRATION IN GROUNDWATER (ug/L)	ILLINOIS CLASS I STANDARD (ug/L)	RATIO OF MAX. CONC. / ILLINOIS CLASS I STD.
Chlorobenzene (VOC)	34,000	100	340
2,4-dichlorobenzene (SVOC)	14,000	75	187
Alpha-BHC (Herbicide)	72	0.03	2400
2,4-D (Pesticide)	190	70	2.7
Total PCBs (PCB)	12	0.5	24
Cu (Metal)	3000	650	4.6
Ni (Metal)	7800	100	78
Pb (Metal)	3600	7.5	480
Zn (Metal)	33,000	5000	6.6

On the basis of this general evaluation, alpha-BHC may take longer to achieve cleanup goals than the VOCs+SVOCs, while 2,4-D may take less time. Other factors, such as the mass of each constituent in the source zone and the constituent-specific fate and transport process will determine the ultimate time required to remediate the Area 1 source zones.

KEY POINT: ESTIMATED SOURCE LIFETIMES FOR SEVEN CASES

A planning level source lifetime calculation was done to estimate the relative performance of various remediation schemes. This analysis, while not providing high-confidence estimates of the absolute time to cleanup, does indicate that with an assumed mass of 410,000 kg of VOCs + SVOCs in the saturated zone below Site I, intensive pumping over a 1 to 30 year period does not appear to have an appreciable effect on overall source lifetime (i.e., ≤ 10% reduction). Similar limitations are expected at Sites G/H/L as well.

CONCLUSIONS

Based on the overall groundwater source evaluation at Site I of Sauget Area 1, DNAPL dissolution appears to be the dominant source mechanism. Planning level source lifetime calculations indicate that intensive groundwater pumping will not have an appreciable effect on the overall source lifetime at Site I or at Site G/H/L.

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GROUNDWATER SERVICES, INC.

TABLE 1

SUMMARY OF SITE I GROUNDWATER CONCENTRATIONS BY DEPTH AND COMPARISON TO CONSTITUENT SOLUBILITY

Sampling Period: November to December 1999

Solutia Inc.

Area 1, Sauget and Cahokia, Illinois

Detected Constituent	0-30 ft Depth Conc. (mg/L)	30-70 ft Depth Conc. (mg/L)	70+ ft Depth Conc. (mg/L)	Solubility (mg/L)
VOCs				
1,1-Dichloroethane	0.96	<0.5	<1.0	5,060
1,1-Dichloroethene	0.032 J	<0.5	<1.0	2,250
Benzene	**0.62**	0.19	0.14 J	1,750
Chlorobenzene	8.7	20.0	**34.0**	***472***
cis/trans-1,2-Dichloroethene	**1.2**	0.31	0.001 J	3,500 (7)
Ethylbenzene	**0.87**	0.27	0.074	169
Tetrachloroethene	<0.5	<0.5	0.001 J	200
Toluene	0.018 J	**0.086 J**	0.00089 J	526
Vinyl Chloride	**0.97**	0.32	0.0012 J	2,760
Xylenes, total	<0.5	0.023 J	0.014	186
SVOCs				
1,2,4-Trichlorobenzene	<0.01	<0.5	**2.7**	300
1,2-Dichlorobenzene	0.13	0.32 J	**0.5**	156
1,3-Dichlorobenzene	0.11	**0.29 J**	0.150 J	NA
1,4-Dichlorobenzene	4.4	**10 D**	9.7 D	***73.8***
2,4,5-Trichlorophenol	<0.01	<0.5	0.0018 J	1,200
2,4-Dichlorophenol	<0.01	0.042	0.047 J	4,500
2-Chlorophenol	0.0055 J	0.039	**0.052**	22,000
2-Methylnaphthalene	<0.01	<0.5	0.0013 J	NA
2-Methylphenol (o-cresol)	<0.01	0.003 J	<0.4	26,000
4-Chloroaniline	**4.1 D**	1.7 D	0.018	5,300
Acenaphthene	<0.01	<0.5	0.00033 J	4.24
Carbazole	0.0014 J	0.013	**0.013**	7.48
Di-n-butylphthalate	<0.01	0.00034 J	0.00051 J	11.2
Dibenzofuran	<0.01	0.019 J	<0.4	NA
Diethylphthalate	<0.01	0.0051 J	<0.4	1,080
Fluoranthene	<0.01	0.022 J	<0.4	***0.206***
Hexachlorobenzene	<0.01	<0.5	0.001 J	6.2
N-Nitrosodiphenylamine	0.0053	**0.028**	0.02	35.1
Naphthalene	0.0042 J	0.024	**0.066**	31
Phenanthrene	<0.01	**0.089 J**	0.0013 J	NA
Phenol	<0.01	0.0044 J	<0.4	82,800
bis(2-chloroethyl)ether	0.0011 J	<0.5	<0.4	17,200
bis(2-ethylhexyl)phthalate	0.00069 J	<0.09	<0.072	0.34
Total Detected Conc. (mg/L)	**22.1**	**33.8**	**47.5**	

Notes:

1) Table includes only those compounds detected in at least one groundwater sample for each constituent class. Comparison to solubility includes groundwater sampled at any depth in source area monitoring well.
2) Groundwater samples included are from nearest source area monitoring well only (i.e., AA-I-S1).
3) J = Estimated value. D = Diluted sample. NA = Not available.
4) **Bold** type denotes maximum groundwater concentration by depth.
5) **Underlined bold italics** type denotes maximum groundwater concentration exceeds 1% of constit. solubility.
6) Lowest solubility of cis/trans-1,2-Dichloroethene pair indicated.
7) Solubility data from Illinois Tiered Approach to Corrective Action Objectives (TACO).
8) For comparison purposes, non-detectable concentrations are taken as the detection limit shown.

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GROUNDWATER SERVICES, INC.

TABLE 2

SUMMARY OF SITE I GROUNDWATER CONCENTRATIONS BY DEPTH VERSUS TCLP WASTE DATA

Sampling Period: November to December 1999

Solutia Inc.

Area 1, Sauget and Cahokia, Illinois

Detected Constituent	0-30 ft Depth Conc. (mg/L)	30-70 ft Depth Conc. (mg/L)	70+ ft Depth Conc. (mg/L)	Max. TCLP Conc. (mg/L)	Media With Max. Conc.
VOCs					
1,1-Dichloroethane	0.96	<0.5	<1.0	NA	-
1,1-Dichloroethene	**0.032 J**	<0.5	<1.0	<0.02	GW
Benzene	**0.62**	0.19	0.14 J	0.14	GW
Chlorobenzene	8.7	20.0	**34.0**	8.9	GW
cis/trans-1,2-Dichloroethene	1.2	0.31	0.001 J	NA	-
Ethylbenzene	0.87	0.27	0.074	NA	-
Tetrachloroethene	<0.5	<0.5	0.001 J	0.29	-
Toluene	0.018 J	0.086 J	0.00089 J	NA	-
Vinyl Chloride	**0.97**	0.32	0.0012 J	<0.04	GW
Xylenes, total	<0.5	0.023 J	0.014	NA	-
SVOCs					
1,2,4-Trichlorobenzene	<0.01	<0.5	2.7	NA	-
1,2-Dichlorobenzene	0.13	0.32 J	0.5	NA	-
1,3-Dichlorobenzene	0.11	0.29 J	0.150 J	NA	-
1,4-Dichlorobenzene	4.4	**10 D**	9.7 D	1.3	GW
2,4,5-Trichlorophenol	<0.01	<0.5	0.0018 J	**1.4**	TCLP
2,4-Dichlorophenol	<0.01	0.042	0.047 J	NA	-
2-Chlorophenol	0.0055 J	0.039	0.052	NA	-
2-Methylnaphthalene	<0.01	<0.5	0.0013 J	NA	-
2-Methylphenol (o-cresol)	<0.01	0.003 J	<0.4	0.014 J	-
4-Chloroaniline	4.1 D	1.7 D	0.018	NA	-
Acenaphthene	<0.01	<0.5	0.00033 J	NA	-
Carbazole	0.0014 J	0.013	0.013	NA	-
Di-n-butylphthalate	<0.01	0.00034 J	0.00051 J	NA	-
Dibenzofuran	<0.01	0.019 J	<0.4	NA	-
Diethylphthalate	<0.01	0.0051 J	<0.4	NA	-
Fluoranthene	<0.01	0.022 J	<0.4	NA	-
Hexachlorobenzene	<0.01	<0.5	0.001 J	<0.05	-
N-Nitrosodiphenylamine	0.0053	0.028	0.02	NA	-
Naphthalene	0.0042 J	0.024	0.066	NA	-
Phenanthrene	<0.01	0.089 J	0.0013 J	NA	-
Phenol	<0.01	0.0044 J	<0.4	NA	-
bis(2-chloroethyl)ether	0.0011 J	<0.5	<0.4	NA	-
bis(2-ethylhexyl)phthalate	0.00069 J	<0.09	<0.072	NA	-
				GW Conc. Greater	**5**
				TCLP Conc. Greater	**1**

Notes:

1) Table includes only those compounds detected in at least one groundwater sample for each constituent class.
Comparison to TCLP waste concentration includes groundwater sampled at any depth in source area monitoring well.
2) Groundwater samples included are collected from nearest source area monitoring well only (i.e., AA-I-S1).
3) J = Estimated value. D = Diluted sample.
4) **Underlined bold** type denotes maximum groundwater concentration or TCLP concentration.
5) TCLP waste data from unsaturated waste samples.
6) NA = Not analyzed.
7) For comparison purposes, non-detectable concentrations are taken as the detection limit shown.

GROUNDWATER
SERVICES, INC.

May 21, 2001

APPENDIX A
DESIGN PUMPING RATE OF HYDRAULIC CONTAINMENT WELLS
Groundwater Alternative D, Intensive Pumping, Sites G, H, I, and L
Sauget Area 1, Sauget and Cahokia, Illinois

PROBLEM: What is estimated pumping rate and number of wells for intensive pumping system for Site I + Sites G/H/L plume?

ASSUMPTIONS:

K = 0.1 cm/sec for middle, deep horizon

b = 80 ft (40 ft middle horizon, 40 ft deep horizon)

i = 0.001 ft/ft

Available drawdown (s) = 15 ft (thickness of shallow unit) (this equals thickness of shallow saturated horizon)

METHOD: Use three different methods to develop a basis for flowrates for an intensive pumping system for the combined Site I + Site G/H/L plume areas.

Method 1. First, an empirical well pumping rate relationship (Driscoll, 1986) based on transmissivity, expected drawdown, and assumptions for other variables in the nonequilibrium (Jacob) equation was used. For this site, a transmissivity of 170,000 gpd/ft was calculated (based on an assumed hydraulic conductivity of 0.1 cm/sec and a saturated thickness of 80 ft for the combined middle and deep horizons).

For unconfined units:

$$\frac{Q}{s} = \frac{T}{1500} \qquad \text{(Eqn. 3, Q in gpm, s in ft, T in gpd/ft)}$$

$$Q(gpm) = \frac{\left(T\ \frac{gpd}{ft}\right)(s\ \ ft)}{1500}$$

$$T = (K)(b_T)$$

$$T = \left(0.1\frac{cm}{sec}\right)\left(\frac{86400\ \text{sec}}{day}\right)\left(\frac{in}{2.54\ cm}\right)\left(\frac{ft}{12\ in}\right)(80\,ft)\left(\frac{7.48\ gal}{ft^3}\right)$$

$$T = 170{,}000\ gpd/\ ft$$

$$Q(gpm) = \frac{\left(170{,}000\ \frac{gpd}{ft}\right)(15\ ft)}{1500}$$

$$Q = 1700\ gpm$$

so that:

Q = 1700 gpm for pumping from a regional pumping well

Method 2. Schicht (1965) reports that "It is a general practice of industries and municipalities to place a well in operation and pump it at high rates, often about 1000 gpm." Therefore based on this method:

Q = 1000 gpm for pumping from a regional pumping well

Method 3. Schicht also reports the specific capacity from three wells in T2N, R10W (where Area 1 is located) as being 152.5, 188, and 158 gpm/ft, respectively. By averaging these specific capacities (166 gpm/ft), and multiplying by an assumed drawdown of 15 ft, a pumping rate of **2490 gpm** is obtained. As would be expected, use of specific capacities results in a wide range of predicted well pumping rates due to the effects of well construction, well condition, and local hydrogeologic conditions.

Q = 2500 gpm for pumping from a regional pumping well

RESULT: These calculation approaches suggest that a regional pumping well could yield from 1000 to 2500 gpm in the Area 1 location.

Therefore, it was assumed that the total pumping rate of any intensive pumping system would also be in this range, although the flow would be distributed among several wells. Therefore the following conceptual design was developed:

Qtotal = 1500 gpm total flowrate (based on lower-middle range of flowrate estimates to be conservative)

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May 21, 2001

APPENDIX B
RELATIVE SOURCE LIFETIME OF AREA I UNDER NATURAL ATTENUATION VS. INTENSIVE PUMP AND TREAT
Groundwater Alternative D, Intensive Pumping, Sites G, H, I, and L

Sauget Area 1, Sauget and Cahokia, Illinois

I. SOURCE LIFETIME CALCULATION: SITE I

PROBLEM: What is relative source lifetime of Site I under natural attenuation vs. intensive pump and treat conditions?

ASSUMPTIONS:

1. Source Volume = $(1400\ ft)(500\ ft)(95\ ft)\left(7.48\frac{gal}{ft^3}\right)(0.35)(0.05)(0.01) = 87,000\ gals$

   Source Mass = $(87,000 gal)\left(\frac{3.78L}{gal}\right)\left(\frac{1.25kg}{L}\right) = 410,000\ kg$

   Where: width = 1400 ft; length = 500 ft; sat. thickness = 95 ft; porosity = 0.35; assumed residual saturation = 0.05; fraction of source containing residual saturation = 0.01. (see text)

2. Current Mass Removal Rate: 7000 kg/yr (Natural Attenuation) (see text)
   Initial Intensive Pumping Removal Rate: 17,500 kg/yr (Intensive Pump-and-Treat) (see text).

3. Case 1 Natural Attenuation Only – Site I
   Case 2 1 Yr of Intensive Pump-and-Treat + Natural Attenuation – Site I
   Case 3 5 Yrs of Intensive Pump-and-Treat + Natural Attenuation – Site I
   Case 4 10 Yrs of Intensive Pump-and-Treat + Natural Attenuation – Site I
   Case 5 30 Yrs of Intensive Pump-and-Treat + Natural Attenuation – Site I

4. Starting concentration under natural conditions: 20 mg/L (representative of middle and deep units in 1999). Starting concentration under pumping conditions: 5.5 mg/L (due to mass-transfer effects for deep and middle units; factor of 3.6 reduction).

5. Assumed ending concentration: 0.005 mg/L (MCL for several constituents).

MODEL:

$$\frac{C_{(t)}}{C_{(now)}} = e^{-k_s t}$$ (from BIOSCREEN and BIOCHLOR models; see text)

$$k_s = \frac{Mass\ Removal\ Rate\ (kg/yr)}{Mass\ (kg)}$$ (k_s = source decay constant)

$$t(yr) = \frac{-\ln\left(\frac{C_t}{C_{now}}\right)}{k_s}$$

Model Applied to Case 1: Natural Attenuation Only

$$k_s = \frac{7000\ \frac{kg}{yr}}{410{,}000\ kg} = 0.017\ yr^{-1}$$

$$t(yr) = \frac{-\ln\left(\frac{0.005}{20}\right)}{0.017}$$

RESULT (Case 1): ***t = 488 years***

Model Applied to Case 2: Intensive Pump and Treat With 1 Year of Pumping

$$k_s = \frac{17{,}500\ \frac{kg}{yr}}{410{,}000\ kg} = 0.043 yr^{-1}$$

$$\frac{C_{1yr}}{C_{now}} = e^{-k_s\ t}$$

$$\frac{C_{1yr}}{5.5\ mg/L} = e^{-(0.043 yr^{-1})(1 yr)}$$

$$C_{1\ yr} = 5.27\ mg/L$$

Time to cleanup after 1 yr of pumping is finished, with 3.6-times increase in concentration due to rebound (5.27 mg/L * 3.6 = 19.0 mg/L).

$$\frac{0.005\ mg/L}{19.0\ mg/L} = e^{-\left(0.017 yr^{-1}\right)(t\ yrs)}$$

$$t = \frac{-\ln\left(\frac{0.005}{19.0}\right)}{0.017}$$

$$t = 485\ years$$

RESULT (Case 2): Total time to cleanup (Intensive Pump-and-Treat for 1 yr) = 1 + 485 = **486 years**

Model Applied to Case 3: Intensive Pump and Treat With 5 Years of Pumping

$$k_S = \frac{17{,}500 \frac{kg}{yr}}{410{,}000\ kg} = 0.043\ yr^{-1}$$

$$\frac{C_{5\,yrs}}{C_{now}} = e^{-k_s t}$$

$$\frac{C_{5\ yrs}}{5.5\ mg/L} = e^{-(0.043\ yr^{-1})(5\ yrs)}$$

$$C_{5\ yrs} = 4.44\ mg/L$$

Time to cleanup after 5 yrs of pumping is finished, with 3.6-times increase in concentration due to rebound (4.44 mg/L * 3.6 = 16.0 mg/L).

$$\frac{0.005\ mg/L}{16.0\ mg/L} = e^{-(0.017\ yr^{-1})(t\ yrs)}$$

$$t = \frac{-\ln\left(\frac{0.005}{16.0}\right)}{0.017}$$

$$t = 475\ years$$

RESULT (Case 3): Total time to cleanup (Intensive Pump-and-Treat for 5 yrs) = 5 + 475 = **480 years**

Model Applied to Case 4: Intensive Pump and Treat With 10 Years of Pumping

$$k_s = \frac{17{,}500 \frac{kg}{yr}}{410{,}000\ kg} = 0.043 yr^{-1}$$

$$\frac{C_{10\,yrs}}{C_{now}} = e^{-k_s\ t}$$

$$\frac{C_{10yrs}}{5.5\ mg/L} = e^{-(0.043 yr^{-1})(10 yrs)}$$

$$C_{10\ yrs} = 3.58\ mg/L$$

Time to cleanup after 10 yrs of pumping is finished, with 3.6-times increase in concentration due to rebound (3.58 mg/L * 3.6 = 12.9 mg/L).

$$\frac{0.005\ mg/L}{12.9\ mg/L} = e^{-(0.017 yr^{-1})(t yrs)}$$

$$t = \frac{-\ln\left(\frac{0.005}{12.9}\right)}{0.017}$$

$$t = 462\ years$$

RESULT (Case 4): Total time to cleanup (Intensive Pump-and-Treat for 10 yrs) = 10 + 462 = **472 years**

Model Applied to Case 5: Intensive Pump and Treat With 30 Years of Pumping

$$k_s = \frac{17{,}500 \frac{kg}{yr}}{410{,}000\ kg} = 0.043 yr^{-1}$$

$$\frac{C_{30\,yrs}}{C_{now}} = e^{-k_s\ t}$$

$$\frac{C_{30yrs}}{5.5\ mg/L} = e^{-(0.043 yr^{-1})(30 yrs)}$$

$$C_{30\ yrs} = 1.51\ mg/L$$

Time to cleanup after 30 yrs of pumping is finished, with 3.6-times increase in concentration due to rebound (1.51 mg/L * 3.6 = 5.4 mg/L).

$$\frac{0.005\ mg/L}{5.4\ mg/L} = e^{-\left(0.017 yr^{-1}\right)(t yrs)}$$

$$t = \frac{-\ln\left(\frac{0.005}{5.4}\right)}{0.017}$$

$$t = 411\ years$$

RESULT (Case 5): Total time to cleanup (Intensive Pump-and-Treat for 30 yrs) = 30 + 411 = **441 years**

CONCLUSION: Comparison of Cleanup Times – Site I

Case 1	Natural Attenuation Only	488 years
Case 2	1 Yr of Intensive Pump-and-Treat + Natural Attenuation	486 years
Case 3	5 Yrs of Intensive Pump-and-Treat + Natural Attenuation	480 years
Case 4	10 Yrs of Intensive Pump-and-Treat + Natural Attenuation	472 years
Case 5	30 Yrs of Intensive Pump-and-Treat + Natural Attenuation	441 years

II. SOURCE LIFETIME CALCULATION: SITES G/H/L

PROBLEM: What is relative source lifetime of Sites G/H/L under natural attenuation vs. intensive pump and trea conditions?

ASSUMPTIONS:

1. Assume Sites G/H/L together have approximately same dimensions as Site I, with 1% of the starting mass as Site I, because VOC+SVOC concentrations are much lower leaving Sites G/H/L (~ 0.20 mg/L) than Site I (~ 20 mg/L).

2. Assume ratio of source mass at Sites G/H/L and Site I are proportional to ratio of representative concentrations and width parallel to groundwater flow leaving Sites G/H/L and Site I.

$$\text{Source Mass} = \left(\frac{\text{representative conc. Sites G/H/L mg/L}}{\text{representative conc. Site I mg/L}}\right)(\text{Est. Mass Site I kg})$$

$$= \left(\frac{0.20 \text{ mg/L}}{20 \text{ mg/L}}\right)(410{,}000 \text{ kg})$$

$$= 4100 \text{ kgs}$$

3. Current Mass Removal Rate: Assume 1% of Site I mass removal rate based on ratio of representative concentration at Site I (20 mg/L VOC+SVOC) to representative concentration at Sites G/H/L (0.20 mg/L VOC+SVOC).

Natural Source Removal Rate =

$$\left(\frac{\text{representative conc. Sites G/H/L mg/L}}{\text{representative conc. Site I mg/L}}\right)\left(\frac{\text{Width Sites G/H/L}}{\text{Width Site I}}\right)(\text{Est. Mass Removal Rate Site I kg/yr})$$

$$= \left(\frac{0.20 \text{ mg/L}}{20 \text{ mg/L}}\right)\left(\frac{750 \text{ ft}}{1400 \text{ ft}}\right)(7000 \text{ kg/yr})$$

$$= 35 \text{ kg/yr}$$

Use Initial Intensive Pumping Removal Rate of 2.5 times 34 kg/yr (Intensive Pump-and-Treat= 87.5 kg/yr

4. Run analysis for two cases:

   Case 6 Natural Attenuation Only – Site G/H/L

   Case 7 5 Yrs of Intensive Pump-and-Treat + Natural Attenuation – Site G/H/L

5. Starting concentration under natural conditions: 0.20 mg/L (representative of middle and deep units in 1999). Starting concentration under pumping conditions: 0.056 mg/L (due to mass-transfer effects for middle and deep units; factor of 3.6 reduction).

6. Assumed ending concentration: 0.005 mg/L (MCL for several constituents).

MODEL:

$$\frac{C_{(t)}}{C_{(now)}} = e^{-k_s t}$$ (from BIOSCREEN and BIOCHLOR models; see text)

$$k_s = \frac{Mass\ Removal\ Rate\ (kg/yr)}{Mass\ (kg)}$$ (k_s = source decay constant)

$$t(yr) = \frac{-\ln\left(\frac{C_t}{C_{now}}\right)}{k_s}$$

Model Applied to Case 6: Natural Attenuation Only

$$k_s = \frac{35\frac{kg}{yr}}{4100\ kg} = 0.0085\ yr^{-1}$$

$$t(yr) = \frac{-\ln\left(\frac{0.005}{0.2}\right)}{0.0085}$$

RESULT (Case 6): ***t = 434 years***

Model Applied to Case 7: Intensive Pump and Treat With 5 Years of Pumping

$$k_s = \frac{87.5\frac{kg}{yr}}{4100\ kg} = 0.021 yr^{-1}$$

$$\frac{C_{1yr}}{C_{now}} = e^{-k_s\ t}$$

Starting concentration under pumping conditions: 0.056 mg/L (due to mass-transfer effects for deep and middle units; factor of 3.6 reduction).

$$\frac{C_{5yr}}{0.056\ mg/L} = e^{-(0.021 yr^{-1})(5 yrs)}$$

$$C_{5\ yr} = 0.050\ mg/L$$

Time to cleanup after 5 yrs of pumping is finished, with 3.6-times increase in concentration due to rebound (0.050 mg/L * 3.6 = 0.18 mg/L).

$$\frac{0.005\ mg/L}{0.18\ mg/L} = e^{-(0.00085 yr^{-1})(t\ yrs)}$$

$$t = \frac{-\ln\left(\frac{0.005}{0.18}\right)}{0.0085}$$

$$t = 422\ years$$

RESULT (Case 7): Total time to cleanup (Intensive Pump-and-Treat for 5 yrs) = 5 + 422 = **427 years**

CONCLUSION: Comparison of Cleanup Times – Sites G/H/L

Case 6	Natural Attenuation Only – Sites G/H/L	434 years
Case 7	30 Yrs of Intensive Pump-and-Treat + Natural Attenuation – Sites G/H/L	427 years

GSI ENVIRONMENTAL

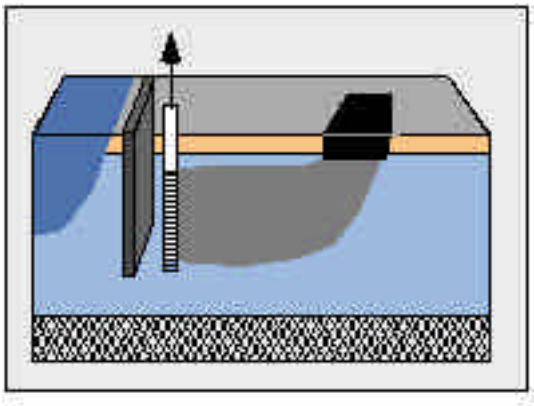
APPENDIX 3

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Appendix 3. Time to Clean Estimates

W. G. KRUMMRICH FACILITY

Time to Clean Estimates



Submitted to
Solutia Inc.

August 27, 2004

Groundwater Services, Inc.
2211 Norfolk, Suite 1000, Houston, Texas 77098

GROUNDWATER
SERVICES, INC.

EXECUTIVE SUMMARY

Planning level calculations were performed to estimate the time required to achieve groundwater cleanup standards at the W.G. Krummrich Facility for evaluate three Corrective Measure Arrays:

1) Corrective Measure Array 1: Permeable Covers, Physical Barrier, and In-Situ Bioremediation;
2) Corrective Measure Array 2: Impermeable Caps, Aggressive Pump and Treat, and Physical/Hydraulic Barriers; and
3) Corrective Measure Array 2: Impermeable Caps, In-Situ DNAPL Treatment, and Physical/Hydraulic Barriers.

The analysis indicates that Array 1 will require 670 years, Array 2 will require 194 years, and Array 3 will require 257 years to decrease chlorobenzene concentrations to the Illinois Class 1 TACO Standard of 0.1 mg/L.

Because of the uncertainty in the calculations, the overall time to clean results should be considered order-of-magnitude type estimates rather than absolute predictions of the actual time to clean.

GROUNDWATER SERVICES, INC.

INTRODUCTION

As requested by Solutia Inc. (Solutia), Groundwater Services, Inc. (GSI), has completed planning level time to clean calculations for the W.G. Krummrich Facility located in Sauget, Illinois. The study was conducted to evaluate the performance of three Corrective Measure Arrays based on the time required to clean the source zone to an Illinois Class 1 TACO Standard:

1) Corrective Measure Array 1: Permeable Covers, Physical Barrier, and In-Situ Bioremediation;
2) Corrective Measure Array 2: Impermeable Caps, Aggressive Pump and Treat, and Physical/Hydraulic Barriers; and
3) Corrective Measure Array 2: Impermeable Caps, In-Situ DNAPL Treatment, and Physical/Hydraulic Barriers.

This letter report summarizes the results of the study. Calculations are shown in Table 1.

GENERAL APPROACH FOR TIME TO CLEAN ESTIMATES

A planning-level source decay model, originally developed as part of the BIOSCREEN model (Newell et. al. 1996, EPA/600/R-96/087) and now incorporated into the BIOCHLOR (Aziz et al., 2000, EPA/600/R-00/008) and SourceDK (Farhat et al., 2004) models was used to estimate the lifetime of the groundwater source at the Krummrich Plant under the three different Corrective Measure Array options.

In this simple box model, the source zone is considered to be located in a box containing some mass of dissolvable contaminants (in dissolved phase, non-aqueous phase liquids, sorbed mass, and mass diffused in matrix). The initial rate at which contaminants leave the box (also called the mass flux rate) is estimated from flowrate and initial source concentration data.

The time required to achieve a particular groundwater concentration (e.g., a cleanup standard) can then be estimated by assuming: i) the groundwater concentration vs. time curve at the source is represented by a first-order decay process; and ii) the source concentration at any time is

proportional to the remaining source mass at any time. With this assumption, the source concentration over time can be described using:

$$C_t = C_{so} \exp^{(-k_s t)} \qquad (1)$$

where:

- C_t = Source concentration at time t (mg/L)
- C_{so} = Observed source concentration at t = 0 (mg/L)
- t = Time (years)
- k_s = Source decay coefficient (1/year)

(Note that this decay coefficient (k_s) **is not** related in any way to first-order decay coefficients reported in the literature for natural attenuation (see EPA/540/S-02/500; Newell et al., 2002), as the literature values typically represent decay half-lives from 0.1 to 5 years and represent biodegradation of dissolved contaminants in the plume *once they have left the source.* The source decay coefficient values represent how quickly a source zone is being depleted, and can have much longer half-lives, up to hundreds of years.)

The source decay coefficient, representing how quickly the source is being depleted, can be derived using estimates of the source mass and rate at which contaminants leave the source (Newell et al., 1996; Wiedemeier et al., 1999; Farhat et al. 2004):

$$k_s = \frac{Q \cdot C_{so}}{M_o} \qquad (2)$$

where:

- Q = Groundwater flowrate through source zone (L/year)
- C_{so} = Observed source concentration at time = 0 (mg/L)(or kg/L)
- M_0 = Dissolvable mass in source at time = 0 (mg)(or kg)

The simple box model assumes that the only mass leaving the source zone is dissolved in the water flowing through the source zone. With a first-order source decay term, the source concentration at any time can be derived, providing the time required to reach any concentration:

$$t = -\frac{1}{k_s} \ln\left(\frac{C_t}{C_{so}}\right) \qquad (3)$$

where:

t = Time required to reach concentration C_t (years)

CORRECTIVE MEASURE ARRAY 1

Estimated Source Mass

For the Krummrich Facility source decay model, the box was assumed to be the sampled interval (layer) with the highest chlorobenzene concentration in any of the zones where DNAPL was observed at the site. Using this approach, the 19 to 30 foot interval in the Chlorobenzene Process Unit was selected based on data from DNAPL borings K-2, K-3 and K-4. This represents an area that will likely have the longest time to clean at the site.

The estimated source mass in this 11 foot interval was estimated to be approximately 46,000 kg of chlorobenzene assuming:

1) An average soil bulk density of 1.5 kg/L (based on soil characterization at the W.G. Krummrich Facility);
2) A source zone volume of 4.9 X 10^6 ft^3 (source width perpendicular to groundwater flow of 765 ft, source length parallel to groundwater flow of 585 ft, and source zone thickness of 11 ft); and
3) An average soil concentration of 221.9 mg/kg, which was obtained by averaging the concentration of chlorobenzene in the 19 to 30 foot interval for DNAPL borings K-2, K-3, and K-4 (see Figure 5.3.5).

GROUNDWATER SERVICES, INC.

Groundwater Flushing Rate

A hydraulic conductivity of 0.15 cm/sec and hydraulic gradient data of 0.00084 ft/ft were obtained from the groundwater flow model described in the *Sauget Area 2 Site R MODFLOW Model Calibration* (GSI, 2003).

Assuming a saturated thickness of 11 ft, the sampling depth with the maximum soil concentration (19 – 30 ft), and a 765 ft wide source zone (width of source zone perpendicular to groundwater flow), a naturally occurring groundwater flushing rate of 16 gpm was obtained.

Mass Removal Rate

The average chlorobenzene concentration from the wells in the Middle or Deep Hydrogeologic Unit close to the source zone was calculated as 10.1 mg/L.

Monitoring Well	Chlorobenzene Concentration (ug/L)
GM-9	0.079
GM-14	0.510
GP-15	36
GP-19	12
GP-20	1.900
AVERAGE	10.1

The mass removal rate under natural conditions was estimated by multiplying the average chlorobenzene concentration by the flow, and converting to a mass rate of kg/yr leaving the source zone (3.78 L/gal; 1440 min/day; 365 day/yr; 10^{-6} kg/mg). This calculation resulted in the naturally occurring mass removal rate of approximately 314 kg/yr.

Source Decay Coefficient

Using eqn. 2, a source decay coefficient of 0.007 yr^{-1} was obtained for Corrective Measure Array 1.

Therefore, the time to clean the source zone to a chlorobenzene Illinois Class 1 TACO Standard of 0.1 mg/L was calculated as 670 years (Table 1).

KEY POINT: CORRECTIVE MEASURE ARRAY 1 TIME TO CLEAN
For Corrective Measure Array 1: Permeable Covers, Physical Barrier, and In-Situ Bioremediation, time to clean the source zone to a chlorobenzene Illinois Class 1 TACO Standard of 0.1 mg/L was calculated as 670 yrs.

CORRECTIVE MEASURE ARRAY 2

Groundwater Flushing Rate

For Corrective Measure Array 2, the groundwater flushing flowrate was determined from the MODFLOW model. However, the total model flowrate of 1,978 gpm applies to the model area thickness of 123 ft, therefore, the fraction of the flowrate that applies to a source zone thickness of 11 ft was calculated to be 177 gpm.

Mass Removal Rate

Several analyses have been performed to evaluate the effect of increased pumping rates on the DNAPL dissolution rate for both fingers and pools. In a paper written by Hunt et al. in 1988, the authors developed relationships for the kinetics of dissolution in NAPL source zones. They evaluated laboratory studies and mass transfer approaches used in the chemical engineering literature, and derived dissolution expressions for residual NAPL ganglia (also called “fingers” or “blobs”). They concluded that:

> *“Ganglion lifetimes are weakly dependent on flow velocity such that to decrease the lifetime from 100 years to 10 years requires a three order of magnitude increase (x1000) in flow velocity.”*

In other words, increasing the groundwater pumping rate will increase the finger dissolution rate, but only slightly. Using this information, the following relationship was derived in the *Sauget Area 1 Source Evaluation Study* (GSI, 2001):

$$\frac{\text{mass transfer rate with pumping}}{\text{mass transfer rate without pumping}} = 10^{\frac{\log 10\left[\frac{Q_{pumping}}{Q_{natural}}\right]}{3}} \qquad (4)$$

Using this NAPL dissolution relationship, a 177 gpm pumping system would result in a mass transfer rate of 704.8 kg/yr.

$$\frac{mass\ transfer\ rate\ with\ pumping}{314} = 10^{\frac{log10\left[\frac{177\ gpm}{16\ gpm}\right]}{3}} = 705 \text{ kg/yr}$$

Groundwater Source Concentration

Using the NAPL dissolution mass transfer relationship in eqn. 4, a 177 gpm pumping system (an 11.1 times increase over the natural flow rate through the system) would result in a 2.2 fold *increase* in mass flushed out of the system, and a 5.0 fold *decrease* in effluent concentrations, resulting in a groundwater source concentration of 2.0 mg/L.

Estimated Source Mass

As calculated for Corrective Measure Array 1, the estimated source mass is approximately 46,000 kg.

Source Decay Coefficient

Using eqn. 2, a source decay coefficient of 0.015 yr^{-1} was obtained for Corrective Measure Array 2.

Time to Clean

For Corrective Measure Array 2, time to clean the source zone to a chlorobenzene Illinois Class 1 TACO Standard of 0.1 mg/L was calculated as 194 years (Table 1). Note that rebound effects

(which are likely to occur) were not accounted for in this planning-level estimate, potentially underestimating the time to clean for Array 2.

KEY POINT: CORRECTIVE MEASURE ARRAY 2 TIME TO CLEAN
For Corrective Measure Array 2: Impermeable Caps, Aggressive Pump and Treat, and Physical/Hydraulic Barriers, time to clean the source zone to a chlorobenzene Illinois Class 1 TACO Standard of 0.1 mg/L was calculated as 194 yrs.

CORRECTIVE MEASURE ARRAY 3

Groundwater Flushing Rate

For Corrective Measure Array 3, a groundwater flushing rate of 20 gpm was obtained using the method described for Corrective Measure Array 1. The hydraulic gradient is slightly higher than the naturally-occurring hydraulic gradient (0.00084 ft/ft in Corrective Measure Array 1 vs. 0.0011 ft/ft for Array 3) because of the Lot F hydraulic containment system. The gradient was taken from the MODFLOW model.

Mass Removal Rate

Corrective Measure Array 3 assumes a 90% reduction in the groundwater concentrations from natural conditions due to thermal treatment, resulting in a groundwater source concentration of 1.0 mg/L. Therefore, the mass removal rate was estimated as 41 kg/yr.

Estimated Source Mass

Corrective Measure Array 3 assumes a 90% reduction in the groundwater concentrations from natural conditions due to thermal treatment, resulting in a groundwater source concentration of approximately 4,600 kg.

Source Decay Coefficient

Using eqn. 2, a source decay coefficient of 0.009 yr^{-1} was obtained for Corrective Measure Array 3.

Time to Clean

For Corrective Measure Array 3, the time to clean the source zone to a chlorobenzene Illinois Class 1 TACO Standard of 0.1 mg/L was calculated as 257 years (Table 1).

Note that the time to clean for Array 3 (257 years) is higher than Array 2 (194 years) even though a very high mass removal rate (90%) was assumed. This is because i) with an assumed first order decay rate, significant time is associated with the "tail" on the first-order concentration vs. time process; ii) the aggressive pump-and-treat system is assumed to be in operation for the entire 194 years, resulting in a large number of pore volumes being swept through the source zone.

KEY POINT: CORRECTIVE MEASURE ARRAY 3 TIME TO CLEAN
For Corrective Measure Array 3: Impermeable Caps, Aggressive Pump and Treat, and Physical/Hydraulic Barriers, time to clean the source zone a chlorobenzene Illinois Class 1 TACO Standard of 0.1 mg/L was calculated as 257 yrs.

UNCERTAINTY

There are numerous areas of uncertainty in the source decay estimates, including but not limited to:

- The assumption that source zones can be described as first-order decay processes;
- The assumption that the concentration in the source zone is proportional to the mass in the source zone;
- The mass and mass flux estimates used in the calculation;
- The mass transfer effect described in eqn. 4;
- The assumption that in-situ DNAPL treatment could reduce the source mass and source concentrations by 90%.

Because of these areas of uncertainty, the overall time to clean results should be considered order-of-magnitude type estimates rather than absolute predictions of the actual time to clean.

GROUNDWATER SERVICES, INC.

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TABLE 1
TIME TO CLEAN CALCULATION
CHLOROBENZENE
RCRA Corrective Measures Study
W.G. Krummrich Facility, Sauget, Illinois

Sample Depth	Width[1] (ft)	Length[2] (ft)	Thickness[3] (ft)	Hydraulic Gradient[4] (ft/ft)	Hydraulic Conductivity[4] (cm/sec)	Soil Source Concentration[5] (mg/kg)	Groundwater Source Concentration[6] (mg/L)	Soil Bulk Density[7] (kg/L)	Flow Rate (gpm)[8]	Mass Removal Rate (kg/yr)[9]	Source Mass (kg)[10]	Source Decay Coefficient[11] (1/yr)	Time to Clean[12] (yr)
Corrective Measure Array 1 - Permeable Covers, Physical Barrier and In-Situ Bioremediation													
19' - 30'	765.0	585.0	11.0	0.00084	0.15	221.9	10.1	1.5	16	314	45,567	0.0069	670
Corrective Measure Array 2 - Impermeable Caps, Aggressive Pump and Treat and Physical/Hydraulic Barriers													
19' - 30'	765.0	585.0	11.0	0.0011	0.15	221.9	2.0	1.5	177	704.8	45,567	0.015	194
Corrective Measure Array 3 - Impermeable Caps, In-Situ DNAPL Treatment and Physical/Hydraulic Barriers													
19' - 30'	765.0	585.0	11.0	0.0011	0.15	22.2	1.0	1.5	20	41	4,557	0.0090	257

Notes:

1. Width of source zone perpendicular to groundwater flow (see Figure 5.3.5).
2. Length of source zone parallel to groundwater flow (see Figure 5.3.5).
3. Thickness of source zone assumed to be the sampling depth with the maximum soil concentration.
4. Hydraulic gradient and hydraulic conductivity from MODFLOW model assuming an average river stage of 391 ft MSL.
5. Soil concentration for obtained by a) obtaining average concentrations for each sampling location for borings K-2, K-3, and K-4 and b) taking the maximum observed soil concentration in the boring. For Array 3, soil source concentration assumes a 90% reduction due to thermal treatment.
6. Groundwater concentrations obtained from the mean of observed concentrations in the intermediate horizon:

Well	Chlorobenzene (ug/L)
GM-9	79
GP-14	510
GP-15	36,000
GP-19	12,000
GP-20	1,900
Average	10,098

   Analytical results taken from "CA 750 Migration of Contaminated Groundwater Under Control, W.G. Krummrich Plant, Sauget. Illinois", URS, December 2002.
   Array 2 concentration derived using mass removal rate relationship described in Note 9.
   Array 3 assumes a 90% reduction in groundwater concentration due to thermal treatment.
7. Average bulk density obtained from DNAPL characterization.
8. Array 1 and Array 3 flow rates based on the product of width, thickness, hydraulic conductivity, and hydraulic gradient of source zone. Array 2 flowrate obtained from the total MODFLOW flow rate of 1978 gpm X source zone thickness of 11 ft/ total MODFLOW model area thickness of 123 ft.
9. Mass removal rate for Arrays 1 and 3 obtained from the flow rate and groundwater source concentration. For Array 2, mass removal rate obtained from:

   Mass Removal Rate with Pumping = Mass Removal Rate without Pumping*{10^([log($Q_{pumping}$/$Q_{natural}$)]/3}

10. Source mass obtained from source volume X soil source concentration X soil bulk density.
11. Source decay coefficient equals the mass removal rate / source mass.
12. Time to clean calculated assuming a target concentration of 0.1 mg/L for chlorobenzene using:

    Source Life Time = -ln(Target Concentration/Starting Concentration))/Source Decay Constant

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APPENDIX 4

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Appendix 4. Groundwater Chloride Concentrations

N

SA-P-1 230
SA2-MW-1-S 3.4
SA-P-2 900
SA2-MW-3-S 67
SA2-MW-2-S 100
SA-P-3 130
B-22A 44
B-24A 600
B-25A 680
B-25B 320
LEACH-Q-1 88
GM-60A 220
GM-4A 3.7
GM-11 73
GM-1 57
GM-15 230
GM-46 210
GM-5A 2.2
CA-3 1600
B-28A 71
B-29B 150
SA2-MW-4-S 18
GM-19A 57
SA-O-3 75
SA-Q-1 380
SA-O-4 61
SA-S-1 21
SA-S-2 1.5
GM-7A 2.9
GM-6A 5
PSMW-5 140
GM-9A 570
GM-18A 3
GM-2 160
GM-59A 4
GM-8 3
GM-31A 8.6
SA-Q-6 99
SA2-MW-5-S 2.2
SA-Q-7 38
TCMW-6S 25
TCMW-4 11
EE-03 77
TCMW-5S 3.4
TCMW-3S 56
TCMW-2 61
SA2-MW-9-S 40
SA2-MW-10-S 20
SA-Q-9 1.7
PIEZ-7S 380
SA-Q-11 22
SA-Q-10 4.7
CP-MW-6 54
CP-MW-8 41
CP-MW-7 7.3
CP-MW-10 13
SA-Q-16 11
SA-Q-14 32
SA-Q-15 34
SA-Q-13 3.2
CP-MW-12 4
CP-MW-13 20
CP-MW-14 7.8
CP-MW-15 46
CP-MW-16 3.8

MISSISSIPPI RIVER

Q NORTH
Q CENTRAL
Q SOUTH
R
S
O
LOT F
W,G,K
I
G
H
L
M
N

SCALE (ft)
0 1,000 2,000

Note:
1. Concentrations in milligrams per liter measured from 2005 to 2006.
2. Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

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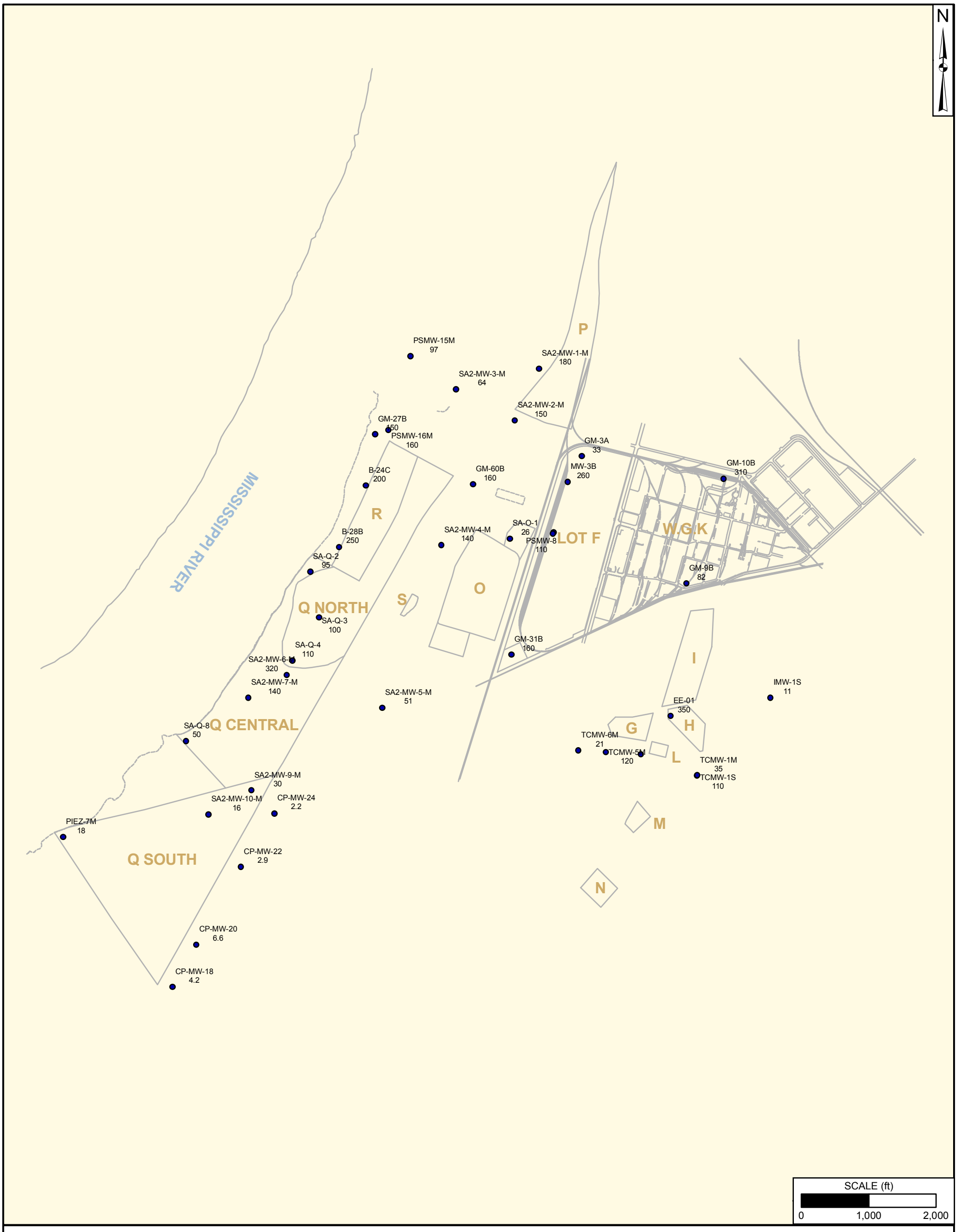
Issued: 6/13/07	Reviewed By: --
Revised: --------	Approved By: --
Scale: As Shown	**Appendix 4.1**

Groundwater Chloride Concentrations

Shallow Hydrogeologic Unit (Layer 1 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:
1. Concentrations in milligrams per liter measured from 2005 to 2006.
2. Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

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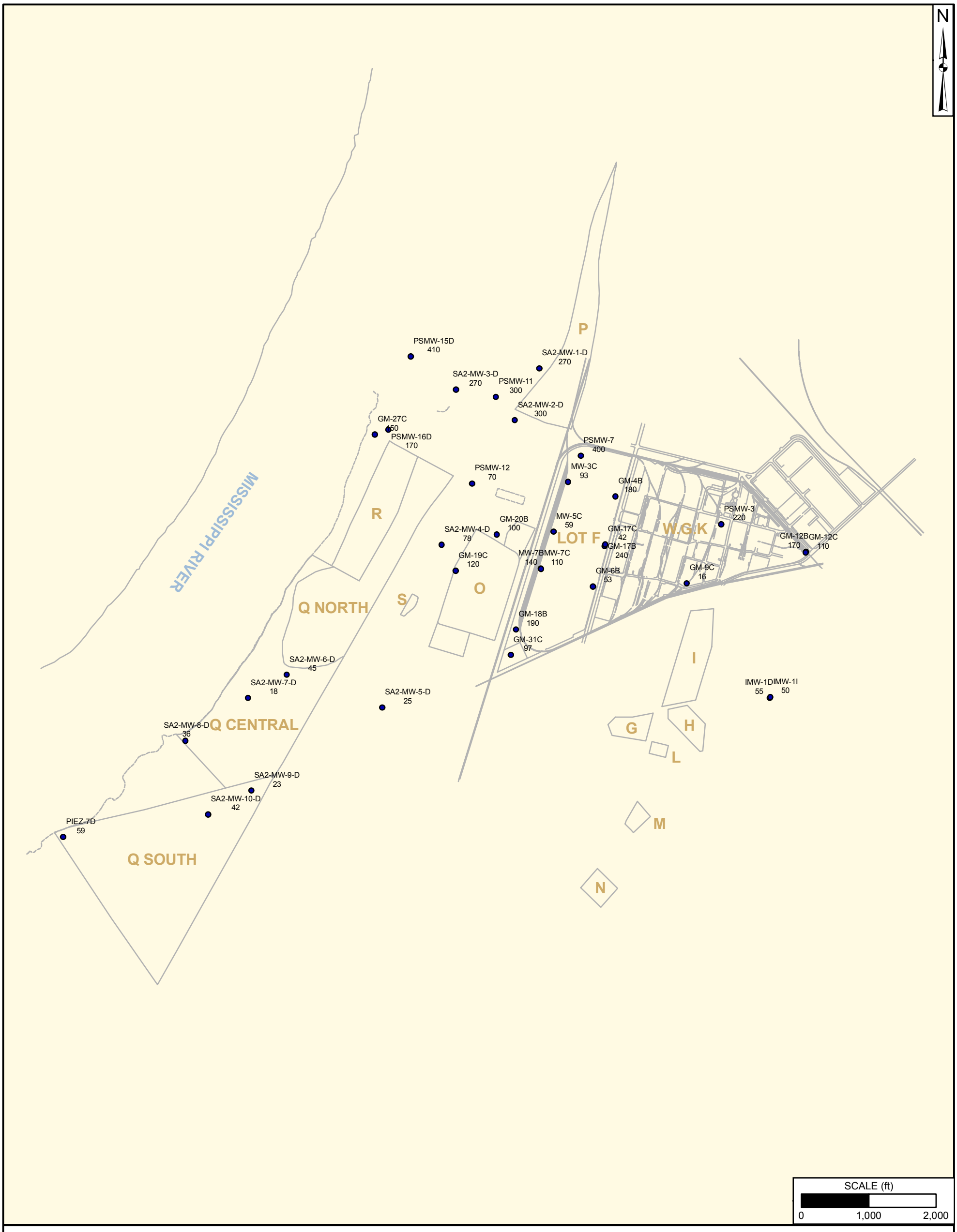
GSI Job No. G-2935	Drawn By: SKF
Issued: 6/13/07	Reviewed By: --
Revised: --------	Approved By: --
Scale: As Shown	**Appendix 4.2**

Groundwater Chloride Concentrations
Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer



Note:
1. Concentrations in milligrams per liter measured from 2005 to 2006.
2. Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

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GSI Job No. G-2935	Drawn By: SKF
Issued: 6/13/07	Reviewed By: --
Revised: --------	Approved By: --
Scale: As Shown	**Appendix 4.3**

Groundwater Chloride Concentrations
Deep Hydrogeologic Unit (Layer 3 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer

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APPENDIX 5

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Appendix 5. Source Area Wells and Observed Concentrations

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 1 - SHU																							
Source Area 1																							
A1-1	2295570	699830																					
A1-2	2295355	700221																					
A1-3	2295611	700050																					
A1-6	2295404	700550																					
A1-8	2295389	700714																					
A1-9	2295167	700792																					
AA-H-S1	2295379	700019																					
AA-I-S1	2295244	700985		1.2			4.4						8.7						0.027			0.97	
AA-I-S4	2295566	700997																					
BR-H	2295414	699992																					
BR-I	2295451	700911																					
EE-01	2295289	700157																					
EE-02-GP	2295358	699979						0.72						4.6									
EE-03	2295550	699820						0.021						0.016									
EE-12-GP	2295413	700317																					
EE-14-GP	2295431	700847																					
Source Area 2																							
A1-13	2294734	699960																					
A1-14	2294914	700042																					
A1-16	2294585	700111																					
A1-18	2294318	700143																					
AA-GHL-S1	2294342	700012																					
BR-G	2294757	699953																					
EE-05	2294381	700110						0.016						0.62									
EEG-101	2294443	699923																					
EEG-102	2294903	699837						0.058						0.011									
EEG-106	2295020	700243						0.33						0.18									
EEG-107	2294746	699964			0.24			1.1			1.2			4.3			0.28			0.39			
SAUGET AREA 1 - MHU																							
Source Area 1																							
A1-6	2295404	700550																					
A1-8	2295389	700714																					
A1-9	2295167	700792																					
AA-I-S1	2295244	700985		0.31			10	10					20									0.32	
AA-I-S4	2295566	700997						0.29						0.014									
BR-I	2295451	700911																					
EE-14-GP	2295431	700847						14						3.8									
Source Area 2																							
A1-2	2295355	700221																					
AA-H-S1	2295379	700019																					
BR-H	2295414	699992																					
EE-01	2295289	700157			0.046			6						2.4									
EE-02-GP	2295358	699979																					
EE-12-GP	2295413	700317						0.096						1.4									

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 1 - MHU																							
Source Area 3																							
A1-13	2294734	699960																					
A1-14	2294914	700042																					
A1-5	2295068	699948																					
BR-G	2294757	699953																					
EEG-102	2294903	699837																					
EEG-106	2295020	700243																					
EEG-107	2294746	699964																					
EEG-110	2295086	700029																					
SAUGET AREA 1 - DHU																							
Source Area 1																							
A1-6	2295404	700550																					
A1-8	2295389	700714																					
A1-9	2295167	700792																					
AA-I-S1	2295244	700985		0.001			9.7			0.011			34	34		0.001						0.0012	
AA-I-S4	2295566	700997																					
BR-I	2295451	700911																					
EE-14-GP	2295431	700847																					
Source Area 2																							
A1-2	2295355	700221																					
AA-H-S1	2295379	700019						14						0.6									
BR-H	2295414	699992																					
EE-01	2295289	700157																					
EE-02-GP	2295358	699979																					
EE-12-GP	2295413	700317																					
Source Area 3																							
A1-13	2294734	699960																					
A1-14	2294914	700042																					
A1-5	2295068	699948																					
BR-G	2294757	699953																					
EEG-102	2294903	699837																					
EEG-106	2295020	700243																					
EEG-107	2294746	699964																					
EEG-110	2295086	700029																					
SAUGET AREA 2 - SHU																							
Site O																							
AA-O-1	2291916	702087			0.0057									0.0078									0.00076
AA-O-4	2292838	702980																					
AA-O-5	2291988	701441																					
SA-O-1	2292907	702783																					
SA-O-2	2292314	702283						0.0012			0.011			0.0044									
SA-O-3	2292127	702338			0.047			0.0018						0.022			0.027			0.024			
SA-O-4	2292007	701964						0.0026						0.0043									
EE-21	2293113	703075																					
EE-22	2292158	702488																					
EE-23	2292338	701311																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - SHU																							
EE-24	2292593	702678												0.012									
GM-19A	2292087	702314			0.067			0.0014			0.0028			0.018			0.11			0.055			0.0018
GM-19B	2292099	702323																					
GM-19C	2292105	702309																					
GM-20A	2292713	702841											0.041										
GM-20B	2292713	702844																					
GM-22A	2292255	702639																					
GM-22B	2292255	702639																					
GM-61A	2291894	701846																					
LEACH-O-1	2292864	702753																					
PIEZ-5	2291747	701108																					
PIEZ-5S	2291739	701105																					
Site P																							
SA-P-1	2293873	705618																					
SA-P-2	2293446	705140												0.0087									
SA-P-3	2293614	704569																					
LEACH-P-1	2293840	705588																					
PSMW-6	2294214	705885																					
Site Q Central																							
AA-Q-1	2290064	702409																					
AA-Q-2	2289414	701631																					
AA-Q-3	2289106	701006																					
AA-Q-4	2288510	700172																					
AA-Q-5	2288145	699782																					
SA2-MW-8-D	2288103	699792																					
SA-Q-2	2289951	702294																					
SA-Q-4	2289686	700977																					
SA-Q-5	2289554	700011												0.0018									
SA-Q-6	2289033	700433						0.0063						0.28									0.00093
SA-Q-7	2289470	699639									0.0005			0.0022									
SA-Q-8	2288111	699785																					
SB-11	2290140	702453																					
SONIC-4	2290117	702412																					
TRA5-PZCDHU	2290274	700852																					
BW-MW-4S	2290148	702510																					
CPT-16	2290199	702507																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					
GM-66A	2289993	702395																					
GM-66B	2289994	702395																					
GM-66C	2289995	702395																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - SHU																							
Site Q Central																							
LEACH-Q-2	2289013	700454																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
PIEZ-4	2290032	702423																					
PIEZ-4S	2290034	702417																					
SA2-MW-6-S	2289600	700759																					
TRA5-PZCSHU	2290274	700852																					
Site Q North																							
AA-Q-1	2290064	702409																					
AA-Q-9	2289912	701235												0.009									
AA-S-3	2291067	701928												0.0018			0.001						
B-102	2291591	704017																					
B-30B	2291085	702865																					
B-31B	2291795	703856																					
B-31C	2291796	703856																					
SA-Q-1	2290516	702121						0.036						1.2									
SA-Q-2	2289951	702294																					
SA-Q-3	2290079	701615																					
SA-Q-4	2289686	700977																					
SB-12	2290618	702182																					
SB-3	2291503	703939																					
SONIC-1	2291478	703984																					
SONIC-4	2290117	702412																					
SONIC-5	2290640	702136																					
TRA5-PZCDHU	2290274	700852																					
CPT-1	2291479	703980																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					
CPT-20	2290641	702135																					
CPT-21	2290469	702224																					
EE-17	2291918	703730																					
EE-18	2291469	703551																					
EE-19	2291061	702694																					
GM-25A	2291284	703357																					
GM-25B	2291275	703338																					
GM-62A	2291368	702580																					
GM-62B	2291367	702580																					
GM-62C	2291366	702580																					
GM-65A	2290329	702206																					
LEACH-Q-1	2291335	703293																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - SHU																							
Site Q North																							
NAPL-A	2290588	702052																					
NAPL-B	2290561	702079																					
NAPL-C	2290508	702117																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
PZ-5D	2291501	704016																					
PZ-5U	2291827	703771																					
PZ-6D	2291309	703273																					
PZ-6U	2291495	703196																					
PZ-7D	2290992	702704																					
PZ-7U	2291167	702605																					
PZ-8D	2290563	702121																					
PZ-8U	2290883	702137																					
TRA5-PZCSHU	2290274	700852																					
B-27B	2290436	702325																					
B-29A	2290783	702410										1.97		2.4									
B-29B	2290793	702429																					
B-30B	2291085	702865																					
B-31B	2291795	703856																					
B-31C	2291796	703856																					
SA-Q-1	2290516	702121						0.036						1.2									
SA-Q-2	2289951	702294																					
SA-Q-3	2290079	701615																					
SA-Q-4	2289686	700977																					
SB-12	2290618	702182																					
SB-3	2291503	703939																					
SONIC-1	2291478	703984																					
SONIC-4	2290117	702412																					
SONIC-5	2290640	702136																					
TRA5-PZCSHU	2290274	700852																					
CPT-1	2291479	703980																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					
CPT-20	2290641	702135																					
CPT-21	2290469	702224																					
EE-17	2291918	703730																					
EE-18	2291469	703551																					
EE-19	2291061	702694																					
GM-25A	2291284	703357										0.014											
GM-25B	2291275	703338																					
GM-62A	2291368	702580																					
GM-62B	2291367	702580																					
GM-62C	2291366	702580																					
GM-65A	2290329	702206																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - SHU																							
Site Q North																							
LEACH-Q-1	2291335	703293																					
NAPL-A	2290588	702052																					
NAPL-A	2290587	702053																					
NAPL-B	2290562	702080																					
NAPL-B	2290561	702079																					
NAPL-C	2290507	702117																					
NAPL-C	2290508	702117																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
PZ-5D	2291501	704016																					
PZ-5U	2291827	703771																					
PZ-6D	2291309	703273																					
PZ-6U	2291495	703196																					
PZ-7D	2290992	702704																					
PZ-7U	2291167	702605																					
PZ-8D	2290563	702121																					
PZ-8U	2290883	702137																					
TRA5-PZCSHU	2290274	700852																					
Site Q South																							
AA-Q-10	2288018	697146									0.0012			0.00081									
AA-Q-6	2288604	698952																					
AA-Q-7	2287758	698122			0.00022									0.095									
AA-Q-8	2287180	697608			0.0028															0.00017			
SA2-MW-9-S	2289080	699061																					
SA-Q-10	2288657	698220																					
SA-Q-11	2288151	698311																					
SA-Q-12	2288086	697995												0.0074									
SA-Q-13	2288093	697234																					
SA-Q-14	2287593	697661						0.0012						0.065									0.0012
SA-Q-15	2287393	697315																					
SA-Q-16	2287118	697613																					
SA-Q-9	2288920	698693																					
LEACH-Q-3	2287737	697890																					
PIEZ-7	2286289	698369																					
PIEZ-7S	2286292	698362									0.0065									0.001			
SA2-MW-10-S	2288446	698693												0.00043									
UAA-10	2288938	698551																					
Site R																							
AA-Q-1	2290064	702409																					
AA-R-1	2290570	703255																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - SHU																							
Site Q South																							
B-101	2291144	703205										1.44											
B-102	2291591	704017																					
B-103	2291093	704340																					
B-105	2290243	702558																					
B-106	2290672	703706																					
B-21A	2291507	703947																					
B-21B	2291508	703947																					
B-22A	2291090	704158						0.3			0.86			6.1									
B-22B	2291091	704158																					
B-23A	2291341	704004																					
B-23B	2291342	704004																					
B-24A	2290763	703551									41	6.18		4									
B-24B	2290766	703571																					
B-24C	2290774	703571																					
B-25A	2291284	703356										18.9		14									
B-25B	2291275	703338									20	13.1		16									
B-26A	2290555	703088												2.8									
B-26B	2290583	703032																					
B-27B	2290436	702325																					
B-28A	2290369	702643									0.00125	1.51		0.34									
B-28B	2290377	702660																					
B-29A	2290783	702410										1.97		2.4									
B-29B	2290793	702429			0.018						0.72	1.71		1.6									
B-30B	2291085	702865																					
SA-Q-1	2290516	702121						0.036						1.2									
SB-1	2290788	703618																					
SB-10	2290316	702778																					
SB-11	2290140	702453																					
SB-12	2290618	702182																					
SB-2	2290404	702777																					
SB-3	2291503	703939																					
SB-4	2291227	704130																					
SB-5	2290940	704259																					
SB-6	2290788	703999																					
SB-7	2290691	703688																					
SB-8	2290592	703370																					
SB-9	2290484	703068																					
SONIC-1	2291478	703984																					
SONIC-2	2290940	704259																					
SONIC-3	2290592	703346																					
SONIC-4	2290117	702412																					
SONIC-5	2290640	702136																					
TRA5-PZBSHU	2291351	703402																					
BW-MW-1S	2290887	704269																					
BW-MW-2S	2290613	703707																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - SHU																							
Site Q South																							
BW-MW-3S	2290438	703060																					
BW-MW-4S	2290148	702510																					
CPT-1	2291479	703980																					
CPT-10	2290648	703567																					
CPT-11	2290604	703397																					
CPT-12A	2290530	703176																					
CPT-13	2290292	702675																					
CPT-14	2290397	702838																					
CPT-15	2290414	702775																					
CPT-16	2290199	702507																					
CPT-17	2290532	703177																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					
CPT-2	2291338	704074																					
CPT-20	2290641	702135																					
CPT-21	2290469	702224																					
CPT-3	2291197	704147																					
CPT-4	2290939	704260																					
CPT-5	2290880	704287																					
CPT-6	2290810	704149																					
CPT-7	2290769	703956																					
CPT-8	2290677	703775																					
CPT-9	2290791	703621																					
EE-18	2291469	703551																					
EE-19	2291061	702694																					
EW-1	2290816	703977																					
EW-2	2290598	703251																					
EW-3	2290353	702724																					
GM-25A	2291284	703357										0.014											
GM-25B	2291275	703338																					
GM-27	2290908	704333																					
GM-27B	2290909	704333																					
GM-27C	2290906	704326																					
GM-28B	2290376	702660																					
GM-28C	2290373	702654																					
GM-55C	2290166	702602																					
GM-56C	2290549	703412																					
GM-56C	2290549	703412																					
GM-57C	2290739	703820																					
GM-65A	2290329	702206																					
GW-1	2290788	703618																					
GW-2	2290403	702777						0.0056															
LEACH-Q-1	2291335	703293																					
NAPL-A	2290588	702052																					
NAPL-B	2290561	702079																					
NAPL-C	2290508	702117																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - SHU																							
Site Q South																							
P-1	2290176	702581										1.11											
P-10	2290644	703589										5.21											
P-11	2290698	703723										1.66											
P-12	2290790	703958										37.4											
P-13	2290896	704251										5.53	6.4										
P-14	2290887	704223										158	64.7										
P1-N	2290986	704310																					
P1-S	2290953	704262																					
P-2	2290261	702742										1.81	3.67										
P2-E	2290647	703656																					
P2-W	2290618	703686																					
P-3	2290390	702908										0.346											
P3-E	2290455	703009																					
P3-W	2290426	703019																					
P-4	2290488	703106																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
P-5	2290531	703262																					
P-6	2290486	703125										10	0.998										
P-7	2290568	703446										9	4.86										
P-8	2290552	703436										4.91	5.28										
P-9	2290603	703505																					
PIEZ-4	2290032	702423																					
PIEZ-4S	2290034	702417																					
PSMW-16	2291113	704394																					
PSMW-17	2290245	702674																					
PZ-5D	2291501	704016																					
PZ-6D	2291309	703273																					
PZ-6U	2291495	703196																					
PZ-7D	2290992	702704																					
PZ-7U	2291167	702605																					
PZ-8D	2290563	702121																					
PZ-8U	2290883	702137																					
Site S																							
AA-S-1A	2291294	701819			0.0003																		0.00032
AA-S-1B	2291298	701788																					
SA-S-1	2291471	701874			0.0069									0.0016									
SA-S-2	2291379	701731									0.00029												
LEACH-S-1	2291394	701845																					
SAUGET AREA 2 - MHU																							
Site O																							
AA-O-1	2291916	702087			0.002			0.0035						0.032									0.0025
AA-O-4	2292838	702980						0.014						8.6									
AA-O-5	2291988	701441			0.0029									0.0089									

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - MHU																							
Site O																							
SA-O-1	2292907	702783									0.00088			0.0055									
SA-O-2	2292314	702283																					
SA-O-3	2292127	702338																					
SA-O-4	2292007	701964																					
EE-21	2293113	703075																					
EE-22	2292158	702488																					
EE-23	2292338	701311																					
EE-24	2292593	702678																					
GM-19A	2292087	702314																					
GM-19B	2292099	702323																					
GM-19C	2292105	702309																					
GM-20A	2292713	702841																					
GM-20B	2292713	702844																					
GM-22A	2292255	702639																					
GM-22B	2292255	702639																					
GM-61A	2291894	701846																					
LEACH-O-1	2292864	702753																					
PIEZ-5	2291747	701108																					
PIEZ-5M	2291739	701105																					
Site P																							
SA-P-1	2293873	705618																					
SA-P-2	2293446	705140																					
SA-P-3	2293614	704569																					
LEACH-P-1	2293840	705588																					
PSMW-6	2294214	705885																					
Site Q Central																							
AA-Q-1	2290064	702409			0.00096			0.03						0.24									0.00072
AA-Q-2	2289414	701631			0.00046			0.0033						0.011									
AA-Q-3	2289106	701006			0.00038			0.0027						0.051									
AA-Q-4	2288510	700172												0.059									
AA-Q-5	2288145	699782												0.46									
SA2-MW-8-M	2288103	699792																					
SA-Q-2	2289951	702294						0.0033						0.007									
SA-Q-4	2289686	700977						0.0036						0.036									
SA-Q-5	2289554	700011																					
SA-Q-6	2289033	700433																					
SA-Q-7	2289470	699639																					
SA-Q-8	2288111	699785						0.0019						0.58									
SB-11	2290140	702453																					
SONIC-4	2290117	702412																					
TRA5-PZCMHU	2290274	700852																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - MHU																							
Site Q Central																							
BW-MW-4M	2290126	702498																					
CPT-16	2290199	702507																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					
GM-66A	2289993	702395																					
GM-66B	2289994	702395																					
GM-66C	2289995	702395																					
LEACH-Q-2	2289013	700454																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
PIEZ-4	2290032	702423																					
PIEZ-4M	2290034	702417																					
SA2-MW-6-M	2289601	700763												0.0019									
SA2-MW-7-M	2289033	700426												0.00066									
TRA5-PZCMHU	2290274	700852																					
Site Q North																							
AA-Q-1	2290064	702409			0.00096			0.03						0.24									0.00072
AA-Q-9	2289912	701235						0.0012															
AA-S-3	2291067	701928						0.0014						0.0021			0.001						
B-102	2291591	704017																					
B-30B	2291085	702865										2.35											
B-31B	2291795	703856																					
B-31C	2291796	703856																					
SA-Q-1	2290516	702121																					
SA-Q-2	2289951	702294						0.0033						0.007									
SA-Q-3	2290079	701615			0.0015									0.15									
SA-Q-4	2289686	700977						0.0036						0.036									
SB-12	2290618	702182																					
SB-3	2291503	703939																					
SONIC-1	2291478	703984																					
SONIC-4	2290117	702412																					
SONIC-5	2290640	702136																					
TRA5-PZBMHU	2291351	703402																					
CPT-1	2291479	703980																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					
CPT-20	2290641	702135																					
CPT-21	2290469	702224																					
EE-17	2291918	703730																					
EE-18	2291469	703551																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - MHU																							
Site Q North																							
EE-19	2291061	702694																					
GM-25A	2291284	703357																					
GM-25B	2291275	703338																					
GM-62A	2291368	702580																					
GM-62B	2291367	702580																					
GM-62C	2291366	702580																					
GM-65A	2290329	702206																					
LEACH-Q-1	2291335	703293																					
NAPL-A	2290588	702052																					
NAPL-B	2290561	702079																					
NAPL-C	2290507	702117																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
PZ-5D	2291501	704016																					
PZ-5U	2291827	703771																					
PZ-6D	2291309	703273																					
PZ-6U	2291495	703196																					
PZ-7D	2290992	702704																					
PZ-7U	2291167	702605																					
PZ-8D	2290563	702121																					
PZ-8U	2290883	702137																					
TRA5-PZCMHU	2290274	700852																					
B-27B	2290436	702325										4.74											
B-29A	2290783	702410																					
B-29B	2290793	702429																					
B-30B	2291085	702865										2.35											
B-31B	2291795	703856																					
B-31C	2291796	703856																					
SA-Q-1	2290516	702121																					
SA-Q-2	2289951	702294																					
SA-Q-3	2290079	701615			0.0015									0.15									
SA-Q-4	2289686	700977						0.0036						0.036									
SB-12	2290618	702182																					
SB-3	2291503	703939																					
SONIC-1	2291478	703984																					
SONIC-4	2290117	702412																					
SONIC-5	2290640	702136																					
TRA5-PZBMHU	2291351	703402																					
TRA5-PZCMHU	2290274	700852																					
CPT-1	2291479	703980																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					
CPT-20	2290641	702135																					
CPT-21	2290469	702224																					
EE-17	2291918	703730																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - MHU																							
Site Q North																							
EE-18	2291469	703551																					
EE-19	2291061	702694																					
GM-25A	2291284	703357																					
GM-25B	2291275	703338																					
GM-62A	2291368	702580																					
GM-62B	2291367	702580																					
GM-62C	2291366	702580																					
GM-65A	2290329	702206																					
LEACH-Q-1	2291335	703293																					
NAPL-A	2290588	702052																					
NAPL-B	2290561	702079																					
NAPL-C	2290508	702117																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
PZ-5D	2291501	704016																					
PZ-5U	2291827	703771																					
PZ-6D	2291309	703273																					
PZ-6U	2291495	703196																					
PZ-7D	2290992	702704																					
PZ-7U	2291167	702605																					
PZ-8D	2290563	702121																					
PZ-8U	2290883	702137																					
Site Q South																							
AA-Q-10	2288018	697146									0.000105			0.0015									
AA-Q-6	2288604	698952												0.0015									
AA-Q-7	2287758	698122			0.00031						0.00048			0.27									
AA-Q-8	2287180	697608			0.016									0.00074						0.00022			0.0038
BDRK-Q-2	2287761	698100																					
SA2-MW-9-M	2289080	699057																					
SA-Q-10	2288657	698220																					
SA-Q-11	2288151	698311																					
SA-Q-12	2288086	697995																					
SA-Q-13	2288093	697234																					
SA-Q-14	2287593	697661																					
SA-Q-15	2287393	697315																					
SA-Q-16	2287118	697613																					
SA-Q-9	2288920	698693																					
LEACH-Q-3	2287737	697890																					
PIEZ-7	2286289	698369																					
PIEZ-7M	2286292	698362			0.0016																		0.00096

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - MHU																							
Site Q South																							
SA2-MW-10-M	2288442	698696												0.0068									
UAA-10	2288938	698551																					
Site R																							
AA-Q-1	2290064	702409			0.00096			0.03						0.24									0.00072
AA-R-1	2290570	703255			0.75			0.41						7.5			0.023			0.083			0.22
B-101	2291144	703205																					
B-102	2291591	704017																					
B-103	2291093	704340																					
B-105	2290243	702558																					
B-106	2290672	703706																					
B-21A	2291507	703947																					
B-21B	2291508	703947												16									
B-22A	2291090	704158																					
B-22B	2291091	704158																					
B-23A	2291341	704004																					
B-23B	2291342	704004																					
B-24A	2290763	703551																					
B-24B	2290766	703571																					
B-24C	2290774	703571						0.1			37			8.8						0.054			
B-25A	2291284	703356																					
B-25B	2291275	703338																					
B-26A	2290555	703088																					
B-26B	2290583	703032												5.9			0.21						
B-27B	2290436	702325										4.74											
B-28A	2290369	702643																					
B-28B	2290377	702660						0.038						2.8									
B-29A	2290783	702410																					
B-29B	2290793	702429																					
B-30B	2291085	702865										2.35											
SA-Q-1	2290516	702121																					
SB-1	2290788	703618																					
SB-10	2290316	702778																					
SB-11	2290140	702453																					
SB-12	2290618	702182																					
SB-2	2290404	702777																					
SB-3	2291503	703939																					
SB-4	2291227	704130																					
SB-5	2290940	704259																					
SB-6	2290788	703999																					
SB-7	2290691	703688																					
SB-8	2290592	703370																					
SB-9	2290484	703068																					
SONIC-1	2291478	703984																					
SONIC-2	2290940	704259																					
SONIC-3	2290592	703346																					
SONIC-4	2290117	702412																					
SONIC-5	2290640	702136																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - MHU																							
Site R																							
TRA5-PZBMHU	2291351	703402																					
BW-MW-1M	2290887	704269																					
BW-MW-2M	2290613	703707																					
BW-MW-3M	2290415	703047																					
BW-MW-4M	2290126	702498																					
CPT-1	2291479	703980																					
CPT-10	2290648	703567																					
CPT-11	2290604	703397																					
CPT-12A	2290530	703176																					
CPT-13	2290292	702675																					
CPT-14	2290397	702838																					
CPT-15	2290414	702775																					
CPT-16	2290199	702507																					
CPT-17	2290532	703177																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					
CPT-2	2291338	704074																					
CPT-20	2290641	702135																					
CPT-21	2290469	702224																					
CPT-3	2291197	704147																					
CPT-4	2290939	704260																					
CPT-5	2290880	704287																					
CPT-6	2290810	704149																					
CPT-7	2290769	703956																					
CPT-8	2290677	703775																					
CPT-9	2290791	703621																					
EE-18	2291469	703551																					
EE-19	2291061	702694																					
EW-1	2290816	703977																					
EW-2	2290598	703251																					
EW-3	2290353	702724																					
GM-25A	2291284	703357																					
GM-25B	2291275	703338																					
GM-27	2290908	704333																					
GM-27B	2290909	704333						0.027				60.2	10.8	11									
GM-27C	2290906	704326																					
GM-28B	2290376	702660										6.13	3.56										
GM-28C	2290373	702654																					
GM-55C	2290166	702602																					
GM-56C	2290549	703412																					
GM-56C	2290549	703412																					
GM-57C	2290739	703820																					
GM-65A	2290329	702206																					
GW-1	2290788	703618						0.057															

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - MHU																							
Site R																							
GW-2	2290403	702777						0.18															
LEACH-Q-1	2291335	703293																					
NAPL-A	2290588	702052																					
NAPL-A	2290587	702053																					
NAPL-B	2290562	702080																					
NAPL-B	2290561	702079																					
NAPL-C	2290507	702117																					
NAPL-C	2290508	702117																					
P-1	2290176	702581																					
P-10	2290644	703589																					
P-11	2290698	703723																					
P-12	2290790	703958																					
P-13	2290896	704251																					
P-14	2290887	704223																					
P1-N	2290986	704310																					
P1-S	2290953	704262																					
P-2	2290261	702742																					
P2-E	2290647	703656																					
P2-W	2290618	703686																					
P-3	2290390	702908																					
P3-E	2290455	703009																					
P3-W	2290426	703019																					
P-4	2290488	703106																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
P-5	2290531	703262																					
P-6	2290486	703125																					
P-7	2290568	703446																					
P-8	2290552	703436																					
P-9	2290603	703505																					
PIEZ-4	2290032	702423																					
PIEZ-4M	2290034	702417																					
PSMW-16M	2291110	704392			0.0023									0.021									
PSMW-17	2290245	702674																					
PZ-5D	2291501	704016																					
PZ-6D	2291309	703273																					
PZ-6U	2291495	703196																					
PZ-7D	2290992	702704																					
PZ-7U	2291167	702605																					
PZ-8D	2290563	702121																					
PZ-8U	2290883	702137																					
Site S																							
AA-S-1A	2291294	701819												0.0017									
AA-S-1B	2291298	701788																					
SA-S-1	2291471	701874																					
SA-S-2	2291379	701731																					
LEACH-S-1	2291394	701845																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - DHU																							
Site O																							
AA-O-1	2291916	702087			0.00077			0.08						1.5						0.0025			0.0054
AA-O-4	2292838	702980						0.37						22									
AA-O-4-D	2292838	702980																					
AA-O-5	2291988	701441			0.0017									0.27									
AA-O-5-D	2291980	701438																					
SA-O-1	2292907	702783																					
SA-O-2	2292314	702283																					
SA-O-3	2292127	702338																					
SA-O-4	2292007	701964																					
EE-21	2293113	703075																					
EE-22	2292158	702488																					
EE-23	2292338	701311																					
EE-24	2292593	702678																					
GM-19A	2292087	702314																					
GM-19B	2292099	702323																					
GM-19C	2292105	702309			0.0014			0.26						1.8									0.0032
GM-20A	2292713	702841																					
GM-20B	2292713	702844		0.014	0.42		0.014	1.3				0.092	0.45	5.5									0.062
GM-22A	2292255	702639																					
GM-22B	2292255	702639																					
GM-61A	2291894	701846																					
LEACH-O-1	2292864	702753																					
PIEZ-5	2291747	701108																					
PIEZ-5D	2291739	701105																					
Site P																							
SA-P-1	2293873	705618																					
SA-P-2	2293446	705140																					
SA-P-3	2293614	704569																					
LEACH-P-1	2293840	705588																					
PSMW-6	2294214	705885						0.038						0.31									
Site Q Central																							
AA-Q-1	2290064	702409						0.022			0.0026			1.1									0.0046
AA-Q-2	2289414	701631			0.00069			0.0068						0.016						0.0011			0.0011
AA-Q-3	2289106	701006						0.0036			0.0026			0.013									
AA-Q-4	2288510	700172									0.0012			0.052									
AA-Q-5	2288145	699782												0.033									
SA2-MW-8-D	2288103	699792												0.0014									
SA-Q-2	2289951	702294																					
SA-Q-4	2289686	700977																					
SA-Q-5	2289554	700011																					
SA-Q-6	2289033	700433																					
SA-Q-7	2289470	699639																					

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Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - DHU																							
Site Q Central																							
SA-Q-8	2288111	699785																					
SB-11	2290140	702453																					
SONIC-4	2290117	702412																					
TRA5-PZCDHU	2290274	700852																					
BW-MW-4D	2290149	702486																					
CPT-16	2290199	702507																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					
GM-66A	2289993	702395																					
GM-66B	2289994	702395																					
GM-66C	2289995	702395																					
LEACH-Q-2	2289013	700454																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
PIEZ-4	2290032	702423																					
PIEZ-4D	2290034	702417																					
SA2-MW-6-D	2289602	700768			0.0011									0.00047									
SA2-MW-7-D	2289029	700422												0.0008									
TRA5-PZCDHU	2290274	700852																					
Site Q North																							
AA-Q-1	2290064	702409						0.022			0.0026			1.1									0.0046
AA-Q-9	2289912	701235												0.00041									
AA-Q-9-D	2289912	701236																					
AA-S-3	2291067	701928			0.0013			0.0014						0.53									0.0061
B-102	2291591	704017																					
B-30B	2291085	702865																					
B-31B	2291795	703856																					
B-31C	2291796	703856										0.483											
SA-Q-1	2290516	702121																					
SA-Q-2	2289951	702294																					
SA-Q-3	2290079	701615																					
SA-Q-4	2289686	700977																					
SB-12	2290618	702182																					
SB-3	2291503	703939																					
SONIC-1	2291478	703984																					
SONIC-4	2290117	702412																					
SONIC-5	2290640	702136																					
TRA5-PZBDHU	2291350	703399																					
TRA5-PZBDHU	2291351	703402																					
TRA5-PZCDHU	2290274	700852																					
CPT-1	2291479	703980																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					

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Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - DHU																							
Site Q North																							
CPT-20	2290641	702135																					
CPT-21	2290469	702224																					
EE-17	2291918	703730																					
EE-18	2291469	703551																					
EE-19	2291061	702694																					
GM-25A	2291284	703357																					
GM-25B	2291275	703338																					
GM-62A	2291368	702580																					
GM-62B	2291367	702580																					
GM-62C	2291366	702580																					
GM-65A	2290329	702206																					
LEACH-Q-1	2291335	703293																					
NAPL-A	2290588	702052																					
NAPL-A	2290587	702053																					
NAPL-B	2290562	702080																					
NAPL-B	2290561	702079																					
NAPL-C	2290507	702117																					
NAPL-C	2290508	702117																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
PZ-5D	2291501	704016																					
PZ-5U	2291827	703771																					
PZ-6D	2291309	703273																					
PZ-6U	2291495	703196																					
PZ-7D	2290992	702704																					
PZ-7U	2291167	702605																					
PZ-8D	2290563	702121																					
PZ-8U	2290883	702137																					
TRA5-PZCDHU	2290274	700852																					
TRA5-PZCDHU	2290274	700852																					
B-27B	2290436	702325																					
B-29A	2290783	702410																					
B-29B	2290793	702429																					
B-30B	2291085	702865																					
B-31B	2291795	703856																					
B-31C	2291796	703856																					
SA-Q-1	2290516	702121																					
SA-Q-2	2289951	702294																					
SA-Q-3	2290079	701615																					
SA-Q-4	2289686	700977																					
SB-12	2290618	702182																					
SB-3	2291503	703939																					
SONIC-1	2291478	703984																					
SONIC-4	2290117	702412																					
SONIC-5	2290640	702136																					
TRA5-PZBDHU	2291350	703399																					
TRA5-PZBDHU	2291351	703402																					
TRA5-PZCDHU	2290274	700852																					
CPT-1	2291479	703980																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					

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Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - DHU																							
Site Q North																							
CPT-20	2290641	702135																					
CPT-21	2290469	702224																					
EE-17	2291918	703730																					
EE-18	2291469	703551																					
EE-19	2291061	702694																					
GM-25A	2291284	703357																					
GM-25B	2291275	703338																					
GM-62A	2291368	702580																					
GM-62B	2291367	702580																					
GM-62C	2291366	702580																					
GM-65A	2290329	702206																					
LEACH-Q-1	2291335	703293																					
NAPL-A	2290588	702052																					
NAPL-A	2290587	702053																					
NAPL-B	2290562	702080																					
NAPL-B	2290561	702079																					
NAPL-C	2290507	702117																					
NAPL-C	2290508	702117																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
PZ-5D	2291501	704016																					
PZ-5U	2291827	703771																					
PZ-6D	2291309	703273																					
PZ-6U	2291495	703196																					
PZ-7D	2290992	702704																					
PZ-7U	2291167	702605																					
PZ-8D	2290563	702121																					
PZ-8U	2290883	702137																					
TRA5-PZCDHU	2290274	700852																					
Site Q South																							
AA-Q-10	2288018	697146									0.000105												
AA-Q-10-D	2288018	697143																					
AA-Q-6	2288604	698952			0.00037						0.001			0.0012						0.00076			
AA-Q-7	2287758	698122												0.033									
AA-Q-8	2287180	697608			0.0057															0.00041			0.0017
SA2-MW-9-D	2289079	699052												0.00043									
SA-Q-10	2288657	698220																					
SA-Q-11	2288151	698311																					
SA-Q-12	2288086	697995																					
SA-Q-13	2288093	697234																					
SA-Q-14	2287593	697661																					
SA-Q-15	2287393	697315																					
SA-Q-16	2287118	697613																					
SA-Q-9	2288920	698693																					
LEACH-Q-3	2287737	697890																					
PIEZ-7	2286289	698369																					
PIEZ-7D	2286292	698362									0.0065												

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Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - DHU																							
Site Q South																							
SA2-MW-10-D	2288438	698700																					
UAA-10-D	2288936	698551																					
Site R																							
AA-Q-1	2290064	702409						0.022			0.0026			1.1									0.0046
AA-R-1	2290570	703255			0.073			0.3						4.3			0.088			0.021			0.034
B-101	2291144	703205																					
B-102	2291591	704017																					
B-103	2291093	704340																					
B-105	2290243	702558																					
B-106	2290672	703706																					
B-21A	2291507	703947																					
B-21B	2291508	703947																					
B-22A	2291090	704158																					
B-22B	2291091	704158																					
B-23A	2291341	704004																					
B-23B	2291342	704004																					
B-24A	2290763	703551																					
B-24B	2290766	703571																					
B-24C	2290774	703571																					
B-25A	2291284	703356																					
B-25B	2291275	703338																					
B-26A	2290555	703088																					
B-26B	2290583	703032																					
B-27B	2290436	702325																					
B-28A	2290369	702643																					
B-28B	2290377	702660																					
B-29A	2290783	702410																					
B-29B	2290793	702429																					
B-30B	2291085	702865																					
SA-Q-1	2290516	702121																					
SB-1	2290788	703618																					
SB-10	2290316	702778																					
SB-11	2290140	702453																					
SB-12	2290618	702182																					
SB-2	2290404	702777																					
SB-3	2291503	703939																					
SB-4	2291227	704130																					
SB-5	2290940	704259																					
SB-6	2290788	703999																					
SB-7	2290691	703688																					
SB-8	2290592	703370																					
SB-9	2290484	703068																					
SONIC-1	2291478	703984																					
SONIC-2	2290940	704259																					
SONIC-3	2290592	703346																					
SONIC-4	2290117	702412																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - DHU																							
Site R																							
SONIC-5	2290640	702136																					
TRA5-PZBDHU	2291350	703399																					
BW-MW-1D	2290887	704245																					
BW-MW-2D	2290614	703681																					
BW-MW-3D	2290438	703035																					
BW-MW-4D	2290149	702486																					
CPT-1	2291479	703980																					
CPT-10	2290648	703567																					
CPT-11	2290604	703397																					
CPT-12A	2290530	703176																					
CPT-13	2290292	702675																					
CPT-14	2290397	702838																					
CPT-15	2290414	702775																					
CPT-16	2290199	702507																					
CPT-17	2290532	703177																					
CPT-18	2290118	702410																					
CPT-19	2290289	702329																					
CPT-2	2291338	704074																					
CPT-20	2290641	702135																					
CPT-21	2290469	702224																					
CPT-3	2291197	704147																					
CPT-4	2290939	704260																					
CPT-5	2290880	704287																					
CPT-6	2290810	704149																					
CPT-7	2290769	703956																					
CPT-8	2290677	703775																					
CPT-9	2290791	703621																					
EE-18	2291469	703551																					
EE-19	2291061	702694																					
EW-1	2290816	703977																					
EW-2	2290598	703251																					
EW-3	2290353	702724																					
GM-25A	2291284	703357																					
GM-25B	2291275	703338																					
GM-27	2290908	704333																					
GM-27B	2290909	704333																					
GM-27C	2290906	704326						0.025				2.03	2.44	1.7									0.041
GM-28B	2290376	702660																					
GM-28C	2290373	702654										5.13	3.58										
GM-55C	2290166	702602										4.03	2.99										
GM-56C	2290549	703412										3.98	4.62	0.14									
GM-56C	2290549	703412										3.98	4.62	0.14									
GM-57C	2290739	703820										7.38	5.85										
GM-65A	2290329	702206																					
GW-1	2290788	703618						0.043															

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
SAUGET AREA 2 - DHU																							
Site R																							
GW-2	2290403	702777						0.88															
LEACH-Q-1	2291335	703293																					
NAPL-A	2290588	702052																					
NAPL-B	2290561	702079																					
NAPL-C	2290508	702117																					
P-1	2290176	702581																					
P-10	2290644	703589																					
P-11	2290698	703723																					
P-12	2290790	703958																					
P-13	2290896	704251																					
P-14	2290887	704223																					
P1-N	2290986	704310																					
P1-S	2290953	704262																					
P-2	2290261	702742																					
P2-E	2290647	703656																					
P2-W	2290618	703686																					
P-3	2290390	702908																					
P3-E	2290455	703009																					
P3-W	2290426	703019																					
P-4	2290488	703106																					
P4-E	2290261	702425																					
P4-W	2290235	702408																					
P-5	2290531	703262																					
P-6	2290486	703125																					
P-7	2290568	703446																					
P-8	2290552	703436																					
P-9	2290603	703505																					
PIEZ-4	2290032	702423																					
PIEZ-4D	2290034	702417																					
PSMW-16	2291113	704394																					
PSMW-16D	2291107	704396			0.011			0.09						2.3									0.013
PSMW-17	2290245	702674						0.17			0.0042			0.92									
PZ-5D	2291501	704016																					
PZ-6D	2291309	703273																					
PZ-6U	2291495	703196																					
PZ-7D	2290992	702704																					
PZ-7U	2291167	702605																					
PZ-8D	2290563	702121																					
PZ-8U	2290883	702137																					
Site S																							
AA-S-1A	2291294	701819			0.0015									0.41						0.00068			0.0025
AA-S-1B	2291298	701788																					
SA-S-1	2291471	701874																					
SA-S-2	2291379	701731																					
LEACH-S-1	2291394	701845																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
W. G. KRUMMRICH - SHU																							
Source Area 1																							
CA-1	2296871	702453												2.4									
CA-2	2296888	702443												0.61									
CA-3	2297021	702413												0.55									
DNAPL-K-1	2297249	702637																					
G-102	2297234	702583											1.6	1.6									
GM-12A	2297294	702590										0.462	2.75										
GM-12B	2297294	702590																					
GM-12C	2297289	702578																					
GM-39	2297193	702520																					
GM-40	2297146	702445																					
GM-41	2297223	702632																					
GM-42	2297069	702488																					
GM-43	2297057	702805																					
GP-17A	2297074	702522																					
GP-17B	2297074	702522																					
Source Area 2																							
SCT-B67	2295934	702605						0.0065						0.03									
SCT-B68	2295934	702605						5.7						150									
SCT-B69	2295934	702605						8.3															
SCT-B71	2295934	702605						28															
DNAPL-K-2	2295813	702516																					
DNAPL-K-3	2296186	702592																					
DNAPL-K-4	2296049	702976																					
DNAPL-K-5	2295918	702201																					
G-104	2296030	702879					1.6						2.5	2.5									
GM-13	2295941	702144						17000				18.6											
GM-14	2295949	702889						2.7				152		350									
GM-29	2295737	702657																					
GM-46	2296000	702927						1.7						7.9			0.0088						
GP-19A	2296128	702546						36															
GP-19B	2296127	702546																					
GP-20A	2296107	703117						0.1						26									
GP-20B	2296106	703117																					
P1-C-D	2295916	702010																					
P1-C-M	2295918	702011																					
P1-C-S	2295917	702008																					
PSMW-3	2296036	702995																					
Source Area 3																							
BBU-B52	2294363	701812						0.059						8.7									
BBU-B53	2294363	701812						0.038						0.012									
BBU-B54	2294363	701812						0.043						0.036									
BBU-B55	2294363	701812						0.35															
BBU-B56	2294363	701812						0.16															
BBU-B57	2294363	701812						3.1						1.8									
BBU-B58	2294363	701812						0.25															
BBU-B59	2294363	701812						0.32															
BBU-B60	2294363	701812																					
BBU-B64	2294363	701812																					
BBU-B65	2294363	701812																					
BBU-B66	2294363	701812																					
BBU-B67	2294363	701812																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
W. G. KRUMMRICH - SHU																							
Source Area 3																							
BBU-B68	2294363	701812																					
BBU-B69	2294363	701812																					
BBU-B71	2294363	701812																					
BBU-B72	2294363	701812																					
BBU-B74	2294363	701812																					
BBU-B75	2294363	701812																					
BBU-B76	2294363	701812																					
BBU-B77	2294363	701812																					
BBU-B78	2294363	701812																					
DNAPL-K-8	2294328	702027																					
G-110	2294300	701867					0.28						110	0.4								0.003	
GM-32	2294496	702030												26									
GM-33	2294376	702196																					
GM-34	2294329	702074																					
GM-35	2294294	701954						0.038															
PSMW-5	2294393	702077																					
W. G. KRUMMRICH - MHU																							
Source Area 1																							
SCT-B67	2295934	702605																					
SCT-B68	2295934	702605																					
SCT-B69	2295934	702605																					
SCT-B71	2295934	702605																					
DNAPL-K-2	2295813	702516																					
DNAPL-K-3	2296186	702592																					
DNAPL-K-4	2296049	702976																					
DNAPL-K-5	2295918	702201																					
G-104	2296030	702879																					
GM-13	2295941	702144																					
GM-14	2295949	702889																					
GM-29	2295737	702657																					
GM-46	2296000	702927																					
GP-19A	2296128	702546																					
GP-19B	2296127	702546						50						12									
GP-20A	2296107	703117																					
GP-20B	2296106	703117						0.067						1.9									
P1-C-D	2295916	702010																					
P1-C-M	2295918	702011																					
P1-C-S	2295917	702008																					
PSMW-3	2296036	702995																					
Source Area 2																							
BBU-B52	2294363	701812																					
BBU-B53	2294363	701812																					
BBU-B54	2294363	701812																					
BBU-B55	2294363	701812																					
BBU-B56	2294363	701812																					
BBU-B57	2294363	701812																					
BBU-B58	2294363	701812																					
BBU-B59	2294363	701812																					
BBU-B60	2294363	701812																					
BBU-B64	2294363	701812																					
BBU-B65	2294363	701812																					
BBU-B66	2294363	701812																					

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
W. G. KRUMMRICH - MHU																							
Source Area 2																							
BBU-B67	2294363	701812																					
BBU-B68	2294363	701812																					
BBU-B69	2294363	701812																					
BBU-B71	2294363	701812																					
BBU-B72	2294363	701812																					
BBU-B74	2294363	701812																					
BBU-B75	2294363	701812																					
BBU-B76	2294363	701812																					
BBU-B77	2294363	701812																					
BBU-B78	2294363	701812																					
DNAPL-K-8	2294328	702027																					
G-110	2294300	701867																					
GM-32	2294496	702030																					
GM-33	2294376	702196																					
GM-34	2294329	702074																					
GM-35	2294294	701954																					
PSMW-5	2294393	702077																					
W. G. KRUMMRICH - DHU																							
Source Area 1																							
SCT-B67	2295934	702605																					
SCT-B68	2295934	702605																					
SCT-B69	2295934	702605																					
SCT-B71	2295934	702605																					
DNAPL-K-2	2295813	702516																					
DNAPL-K-3	2296186	702592						1.3						1.6									
DNAPL-K-4	2296049	702976						1.3						15									
DNAPL-K-5	2295918	702201						0.12						4.5									
G-104	2296030	702879																					
GM-13	2295941	702144																					
GM-14	2295949	702889																					
GM-29	2295737	702657																					
GM-46	2296000	702927																					
GP-19A	2296128	702546																					
GP-19B	2296127	702546																					
GP-20A	2296107	703117																					
GP-20B	2296106	703117																					
P1-C-D	2295916	702010																					
P1-C-M	2295918	702011																					
P1-C-S	2295917	702008																					
PSMW-3	2296036	702995						11						16									
CLAYTON - SHU																							
AA-CLAY-1	2292216	703094			0.01															0.0017			
AA-CLAY-2	2292029	702612			40			1.6			0.00086			4.8						0.69			0.51
SA2-MW-4-S	2291891	702684.9						0.053						11									
GW-013-01	2292137	702576			34															110			
GW-013-02	2292141	702610.7			31									10			5.7			60			
GW-013-03	2292101	702514.2			31												4.75			36			
GW-013-04	2292049	702546.9												0.6									

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APPENDIX 5
Source Area Wells and Observed Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well ID	Easting	Northing	cis-1,2-Dichloroethene			1,4-Dichlorobenzene			2,4-Dichlorophenoxyacetic acid			Chlorobenzene			Tetrachloroethene			Trichloroethene			Vinyl chloride		
			1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s	1980s	1990s	2000s
CLAYTON - SHU																							
GW-013-05	2292064	702559.9			63															33			2.1
GW-013-06	2292078	702578.6			0.027												0.098			0.034			0.005
GW-013-07	2291985	702544.9																					
GW-013-08	2292019	702537																					
GW-013-09	2291968	702582.8																					
GW-013-10	2291971	702657.5																					
GW-013-11	2291992	702752.9																					
GW-013-12	2292013	702684.8																					
GW-013-13	2292059	702663.4																					
GW-013-14	2291997	702597.4																					
GW-013-15	2292093	702660.9																					
GW-013-16	2292108	702828																					
GW-013-17	2292135	702898.9																					
GW-013-18	2292207	702893.1																					
GW-013-19	2292219	702754.2																					
GW-013-20	2291853	702468.9																					
GW-013-21	2291782	702465.3																					
GW-013-22	2291903	702361.9																					
GW-013-23	2291758	702438.9																					
CLAYTON - MHU																							
AA-CLAY-1	2292216	703094			0.016			0.0021						0.038									0.0096
AA-CLAY-2	2292029	702612			1.2			0.34						5.2									1.4
SA2-MW-4-M	2291893	702688.6			0.61			0.032						0.29									0.069
CLAYTON - DHU																							
AA-CLAY-1	2292216	703094						0.46						11									
AA-CLAY-2	2292029	702612			9.6			0.63						4.8									0.096
SA2-MW-4-D	2291896	702692.5			0.013			0.73						3.1									

Notes:
1. All concentrations are in milligrams per liter (mg/L).
2. Only the maximum detected concentrations are shown for each year group (no values below the detection limit were considered in the determination of initial source concentrations). For example, year group "1980s" represents the maximum detected concentration from 1980 to 1989, etc.

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APPENDIX 6

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Appendix 6. Mass Flux Results

Appendix 6.1 Mass Flux Calculations – Sauget Area 1 Sources Only

Appendix 6.2 Mass Flux Calculations – Sauget Area 2 Sources Only

Appendix 6.3 Mass Flux Calculations – Clayton Chemical Sources Only

Appendix 6.4 Mass Flux Calculations – W.G. Krummrich Sources Only

APPENDIX 6.1
GROUNDWATER FATE AND TRANSPORT MODEL MASS FLUX RESULTS
Sauget Area 1 Source Zones

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

	Mass Discharge to River Along Site With GMCS *OFF* (kg/yr)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	274	135	13	0	0	0.0001	19	107
2010	396	215	25	0.001	1	6	41	107
2020	1,124	805	92	0.006	3	16	77	132
2030	998	720	83	0.006	2	14	66	113
2038	854	618	72	0.005	2	12	56	95

	Mass Discharge to River Along Site With GMCS *ON* (kg/yr)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	142	43	4	0	0	0	14	81
2010	77	29	2	0.0001	0.1	0.6	8	37
2020	151	58	13	0.004	2	11	42	25
2030	141	57	13	0.004	2	10	38	22
2038	121	50	11	0.004	1	8	32	19

	Percent Capture by GMCS (%)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	48	68	73	97	98	98	26	25
2010	81	87	91	89	90	90	79	66
2020	87	93	86	39	31	29	45	81
2030	86	92	85	32	29	27	43	80
2038	86	92	85	32	29	27	43	80

APPENDIX 6.1a
Calculation of Mass Flux - Sauget Area 1 Source Zone
Simulation time 2006

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	311.44	1.62E+00	1A	5.43E-05	1.75E-04	1A	2.71E-06	8.73E-06	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	1.96E-04	6.31E-04	1A	1.21E-03	3.88E-03
SHU Zone	2 to	12 =	274.29	1.42E+00	2A	4.75E-03	1.35E-02	2A	3.29E-04	9.33E-04	2A	3.44E-36	9.77E-36	2A	1.41E-35	3.99E-35	2A	2.00E-35	5.67E-35	2A	5.35E-03	1.52E-02	2A	3.12E-02	8.86E-02
SHU Zone	3 to	12 =	97.179	5.05E-01	3A	1.03E-02	1.03E-02	3A	7.94E-04	7.98E-04	3A	2.88E-27	2.89E-27	3A	7.26E-26	7.29E-26	3A	8.76E-26	8.80E-26	3A	3.74E-03	3.76E-03	3A	2.01E-02	2.01E-02
SHU Zone	4 to	12 =	71.91	3.74E-01	4A	6.56E-03	4.88E-03	4A	5.07E-04	3.77E-04	4A	7.01E-21	5.21E-21	4A	6.72E-19	5.00E-19	4A	1.03E-18	7.68E-19	4A	1.30E-03	9.68E-04	4A	6.60E-03	4.90E-03
SHU Zone	5 to	12 =	5.4161	2.81E-02	5A	1.32E-04	7.38E-06	5A	1.31E-05	7.33E-07	5A	-1.52E-16	-8.48E-18	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	4.56E-04	2.55E-05	5A	2.38E-03	1.33E-04
SHU Zone	6 to	12 =	0.89814	4.67E-03	6A	3.73E-05	3.47E-07	6A	3.29E-06	3.05E-08	6A	4.92E-14	4.56E-16	6A	2.92E-12	2.71E-14	6A	6.86E-12	6.37E-14	6A	2.67E-05	2.48E-07	6A	1.14E-04	1.06E-06
SHU Zone	7 to	12 =	40.492	2.10E-01	7A	2.66E-05	1.11E-05	7A	2.68E-06	1.12E-06	7A	6.40E-13	2.68E-13	7A	3.77E-11	1.58E-11	7A	8.63E-11	3.61E-11	7A	7.06E-07	2.95E-07	7A	2.10E-06	8.79E-07
SHU Zone	8 to	12 =	81.914	4.26E-01	8A	1.80E-06	1.52E-06	8A	1.02E-07	8.60E-08	8A	9.55E-14	8.08E-14	8A	4.99E-12	4.22E-12	8A	1.22E-11	1.03E-11	8A	1.21E-08	1.03E-08	8A	2.06E-08	1.75E-08
SHU Zone	9 to	12 =	121.55	6.31E-01	9A	1.48E-12	1.86E-12	9A	1.04E-14	1.30E-14	9A	-1.05E-21	-1.32E-21	9A	4.82E-21	6.06E-21	9A	8.38E-21	1.05E-20	9A	5.87E-15	7.37E-15	9A	7.84E-15	9.85E-15
SHU Zone	10 to	12 =	152.08	7.90E-01	10A	4.81E-22	7.56E-22	10A	1.37E-23	2.15E-23	10A	-6.10E-36	-9.59E-36	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	8.99E-22	1.41E-21	10A	1.45E-21	2.28E-21
SHU Zone	11 to	12 =	231.56	1.20E+00	11A	8.99E-30	2.15E-29	11A	1.78E-31	4.26E-31	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	7.28E-29	1.74E-28	11A	1.30E-28	3.11E-28
MHU Zone	1 to	12 =	25351	1.32E+02	1B	5.27E-04	1.38E-01	1B	2.38E-05	6.23E-03	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	1.22E-03	3.19E-01	1B	7.45E-03	1.95E+00
MHU Zone	2 to	12 =	29915	1.55E+02	2B	2.17E-02	6.70E+00	2B	1.32E-03	4.07E-01	2B	1.28E-34	3.96E-32	2B	7.75E-34	2.39E-31	2B	1.08E-33	3.33E-31	2B	1.28E-02	3.96E+00	2B	7.40E-02	2.29E+01
MHU Zone	3 to	12 =	16937	8.80E+01	3B	7.36E-02	1.29E+01	3B	4.82E-03	8.44E-01	3B	2.53E-25	4.44E-23	3B	9.10E-24	1.59E-21	3B	1.09E-23	1.91E-21	3B	1.26E-02	2.20E+00	3B	6.62E-02	1.16E+01
MHU Zone	4 to	12 =	12965	6.74E+01	4B	7.14E-02	9.56E+00	4B	4.77E-03	6.39E-01	4B	4.14E-19	5.55E-17	4B	4.40E-17	5.89E-15	4B	6.53E-17	8.76E-15	4B	6.28E-03	8.42E-01	4B	3.10E-02	4.15E+00
MHU Zone	5 to	12 =	803.5	4.17E+00	5B	2.50E-03	2.07E-02	5B	1.82E-04	1.51E-03	5B	1.24E-14	1.03E-13	5B	9.36E-13	7.77E-12	5B	1.92E-12	1.59E-11	5B	6.26E-04	5.20E-03	5B	3.10E-03	2.57E-02
MHU Zone	6 to	12 =	264.81	1.38E+00	6B	4.23E-04	1.16E-03	6B	3.45E-05	9.45E-05	6B	8.95E-13	2.45E-12	6B	5.52E-11	1.51E-10	6B	1.28E-10	3.51E-10	6B	3.47E-05	9.50E-05	6B	1.37E-04	3.75E-04
MHU Zone	7 to	12 =	11379	5.91E+01	7B	2.55E-04	3.00E-02	7B	2.54E-05	2.99E-03	7B	4.50E-11	5.29E-09	7B	2.95E-09	3.47E-07	7B	6.66E-09	7.83E-07	7B	3.56E-06	4.18E-04	7B	9.26E-06	1.09E-03
MHU Zone	8 to	12 =	35546	1.85E+02	8B	7.37E-06	2.71E-03	8B	3.92E-07	1.44E-04	8B	1.66E-12	6.08E-10	8B	9.45E-11	3.47E-08	8B	2.30E-10	8.44E-08	8B	4.21E-08	1.55E-05	8B	6.50E-08	2.39E-05
MHU Zone	9 to	12 =	36704	1.91E+02	9B	1.05E-11	3.98E-09	9B	7.92E-14	3.01E-11	9B	-1.81E-20	-6.85E-18	9B	7.99E-20	3.03E-17	9B	1.17E-19	4.44E-17	9B	1.74E-14	6.59E-12	9B	1.67E-14	6.34E-12
MHU Zone	10 to	12 =	29995	1.56E+02	10B	2.04E-21	6.34E-19	10B	4.78E-23	1.48E-20	10B	-4.58E-34	-1.42E-31	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	1.47E-21	4.54E-19	10B	2.17E-21	6.72E-19
MHU Zone	11 to	12 =	25796	1.34E+02	11B	2.67E-29	7.12E-27	11B	4.40E-31	1.17E-28	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	8.61E-29	2.30E-26	11B	1.42E-28	3.80E-26
DHU Zone	1 to	12 =	20918	1.09E+02	1C	3.39E-04	7.33E-02	1C	3.26E-05	7.06E-03	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	1.64E-03	3.55E-01	1C	1.03E-02	2.23E+00
DHU Zone	2 to	12 =	23264	1.21E+02	2C	1.60E-02	3.85E+00	2C	1.68E-03	4.04E-01	2C	9.73E-35	2.34E-32	2C	5.39E-34	1.30E-31	2C	7.51E-34	1.81E-31	2C	1.58E-02	3.79E+00	2C	9.45E-02	2.27E+01
DHU Zone	3 to	12 =	12405	6.44E+01	3C	4.61E-02	5.91E+00	3C	5.89E-03	7.55E-01	3C	1.62E-25	2.08E-23	3C	5.45E-24	6.99E-22	3C	6.53E-24	8.37E-22	3C	1.48E-02	1.89E+00	3C	8.57E-02	1.10E+01
DHU Zone	4 to	12 =	9398.3	4.88E+01	4C	4.33E-02	4.20E+00	4C	5.84E-03	5.67E-01	4C	2.48E-19	2.41E-17	4C	2.69E-17	2.61E-15	4C	3.75E-17	3.65E-15	4C	7.23E-03	7.03E-01	4C	4.19E-02	4.07E+00
DHU Zone	5 to	12 =	513.05	2.67E+00	5C	1.39E-03	7.37E-03	5C	1.86E-04	9.87E-04	5C	5.75E-15	3.05E-14	5C	4.66E-13	2.47E-12	5C	8.97E-13	4.76E-12	5C	6.48E-04	3.44E-03	5C	3.27E-03	1.73E-02
DHU Zone	6 to	12 =	128.71	6.69E-01	6C	2.56E-04	3.40E-04	6C	4.84E-05	6.44E-05	6C	5.74E-13	7.64E-13	6C	3.51E-11	4.67E-11	6C	8.11E-11	1.08E-10	6C	2.45E-05	3.26E-05	6C	1.10E-04	1.46E-04
DHU Zone	7 to	12 =	7410.7	3.85E+01	7C	1.68E-04	1.28E-02	7C	3.18E-05	2.44E-03	7C	2.48E-11	1.90E-09	7C	1.59E-09	1.22E-07	7C	3.59E-09	2.75E-07	7C	3.51E-06	2.69E-04	7C	1.22E-05	9.37E-04
DHU Zone	8 to	12 =	24844	1.29E+02	8C	4.99E-06	1.28E-03	8C	5.15E-07	1.32E-04	8C	9.85E-13	2.53E-10	8C	5.49E-11	1.41E-08	8C	1.33E-10	3.43E-08	8C	4.20E-08	1.08E-05	8C	8.45E-08	2.17E-05
DHU Zone	9 to	12 =	25903	1.35E+02	9C	8.01E-12	2.14E-09	9C	1.01E-13	2.71E-11	9C	-1.13E-20	-3.04E-18	9C	8.69E-20	2.33E-17	9C	1.60E-19	4.28E-17	9C	1.95E-14	5.22E-12	9C	1.95E-14	5.22E-12
DHU Zone	10 to	12 =	21772	1.13E+02	10C	1.43E-21	3.23E-19	10C	5.62E-23	1.27E-20	10C	-2.90E-34	-6.53E-32	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	1.69E-21	3.80E-19	10C	2.49E-21	5.61E-19
DHU Zone	11 to	12 =	19985	1.04E+02	11C	2.21E-29	4.56E-27	11C	5.71E-31	1.18E-28	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	1.06E-28	2.19E-26	11C	1.74E-28	3.60E-26

total mass discharge into the river adjacent to Site	4.34E+01 kg/yr	3.64E+00 kg/yr	8.05E-09 kg/yr	5.17E-07 kg/yr	1.18E-06 kg/yr	1.41E+01 kg/yr	8.07E+01 kg/yr
Percent Capture by GMCS	68 %	73 %	97 %	98 %	98 %	26 %	25 %

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.1a
Calculation of Mass Flux - Sauget Area 1 Source Zone
Simulation time 2006

GMCS *OFF*

					CB			14DCB			24D			PCE			TCE			DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	312.92	1.63E+00	1A	0.00	1.45E-04	1A	0.00	7.11E-06	1A	0.00E+00	0.00E+00	1A	0.00	0.00E+00	1A	0.000	0.00E+00	1A	0.00	5.54E-04	1A	0.00	3.41E-03
SHU Zone	2 to	12 =	275.7	1.43E+00	2A	0.00	1.16E-02	2A	0.00	7.82E-04	2A	1.07E-34	3.06E-34	2A	0.00	1.24E-32	2A	0.000	1.56E-32	2A	0.01	1.44E-02	2A	0.03	8.43E-02
SHU Zone	3 to	12 =	97.769	5.08E-01	3A	0.01	1.05E-02	3A	0.00	7.80E-04	3A	5.58E-24	5.64E-24	3A	0.00	3.44E-22	3A	0.000	4.72E-22	3A	0.00	4.28E-03	3A	0.02	2.32E-02
SHU Zone	4 to	12 =	86.981	4.52E-01	4A	0.01	1.35E-02	4A	0.00	1.02E-03	4A	2.77E-19	2.49E-19	4A	0.00	1.94E-17	4A	0.000	2.83E-17	4A	0.00	2.14E-03	4A	0.01	1.09E-02
SHU Zone	5 to	12 =	98.401	5.11E-01	5A	0.01	1.41E-02	5A	0.00	1.24E-03	5A	1.86E-15	1.89E-15	5A	0.00	1.62E-13	5A	0.000	2.83E-13	5A	0.00	1.11E-03	5A	0.01	5.55E-03
SHU Zone	6 to	12 =	106.78	5.55E-01	6A	0.01	1.02E-02	6A	0.00	1.11E-03	6A	1.12E-11	1.23E-11	6A	0.00	1.06E-09	6A	0.000	2.24E-09	6A	0.00	3.26E-04	6A	0.00	1.40E-03
SHU Zone	7 to	12 =	78.699	4.09E-01	7A	0.00	1.53E-04	7A	0.00	2.19E-05	7A	1.60E-11	1.30E-11	7A	0.00	1.16E-09	7A	0.000	2.54E-09	7A	0.00	3.21E-06	7A	0.00	1.00E-05
SHU Zone	8 to	12 =	83.553	4.34E-01	8A	0.00	8.22E-07	8A	0.00	4.43E-08	8A	4.35E-13	3.75E-13	8A	0.00	3.15E-11	8A	0.000	7.43E-11	8A	0.00	4.49E-09	8A	0.00	5.37E-09
SHU Zone	9 to	12 =	122.07	6.34E-01	9A	0.00	2.87E-13	9A	0.00	1.52E-15	9A	-1.18E-21	-1.49E-21	9A	0.00	1.08E-23	9A	0.000	2.42E-26	9A	0.00	3.74E-15	9A	0.00	5.82E-15
SHU Zone	10 to	12 =	152.61	7.93E-01	10A	0.00	5.95E-22	10A	0.00	1.73E-23	10A	9.79E-36	1.54E-35	10A	0.00	0.00E+00	10A	0.000	0.00E+00	10A	0.00	1.30E-21	10A	0.00	2.12E-21
SHU Zone	11 to	12 =	232.29	1.21E+00	11A	0.00	2.02E-29	11A	0.00	4.01E-31	11A	0.00E+00	0.00E+00	11A	0.00	0.00E+00	11A	0.000	0.00E+00	11A	0.00	1.71E-28	11A	0.00	3.06E-28
MHU Zone	1 to	12 =	25452	1.32E+02	1B	0.00	1.18E-01	1B	0.00	5.26E-03	1B	0.00E+00	0.00E+00	1B	0.00	0.00E+00	1B	0.000	0.00E+00	1B	0.00	2.88E-01	1B	0.01	1.76E+00
MHU Zone	2 to	12 =	30035	1.56E+02	2B	0.02	5.98E+00	2B	0.00	3.59E-01	2B	5.70E-33	1.77E-30	2B	0.00	7.99E-29	2B	0.000	1.00E-28	2B	0.01	3.84E+00	2B	0.07	2.22E+01
MHU Zone	3 to	12 =	17027	8.85E+01	3B	0.08	1.32E+01	3B	0.00	8.55E-01	3B	3.09E-22	5.43E-20	3B	0.00	3.55E-18	3B	0.000	4.86E-18	3B	0.01	2.45E+00	3B	0.07	1.30E+01
MHU Zone	4 to	12 =	15655	8.13E+01	4B	0.13	2.06E+01	4B	0.01	1.40E+00	4B	1.38E-17	2.23E-15	4B	0.00	1.84E-13	4B	0.000	2.66E-13	4B	0.01	1.73E+00	4B	0.05	8.67E+00
MHU Zone	5 to	12 =	18220	9.47E+01	5B	0.16	2.92E+01	5B	0.01	2.33E+00	5B	1.08E-13	2.03E-11	5B	0.00	1.82E-09	5B	0.000	3.14E-09	5B	0.01	1.31E+00	5B	0.03	6.43E+00
MHU Zone	6 to	12 =	25230	1.31E+02	6B	0.09	2.27E+01	6B	0.01	2.36E+00	6B	3.76E-10	9.80E-08	6B	0.00	8.60E-06	6B	0.000	1.80E-05	6B	0.00	5.72E-01	6B	0.01	2.47E+00
MHU Zone	7 to	12 =	21371	1.11E+02	7B	0.00	4.08E-01	7B	0.00	5.93E-02	7B	5.00E-10	1.10E-07	7B	0.00	9.81E-06	7B	0.000	2.15E-05	7B	0.00	7.66E-03	7B	0.00	2.35E-02
MHU Zone	8 to	12 =	36182	1.88E+02	8B	0.00	2.31E-03	8B	0.00	1.32E-04	8B	6.57E-12	2.46E-09	8B	0.00	2.07E-07	8B	0.000	4.88E-07	8B	0.00	1.34E-05	8B	0.00	1.53E-05
MHU Zone	9 to	12 =	36840	1.91E+02	9B	0.00	7.92E-10	9B	0.00	4.16E-12	9B	-2.45E-20	-9.31E-18	9B	0.00	0.00E+00	9B	0.000	0.00E+00	9B	0.00	1.87E-12	9B	0.00	2.14E-12
MHU Zone	10 to	12 =	30089	1.56E+02	10B	0.00	4.28E-19	10B	0.00	1.02E-20	10B	4.90E-34	1.52E-31	10B	0.00	0.00E+00	10B	0.000	0.00E+00	10B	0.00	3.57E-19	10B	0.00	5.35E-19
MHU Zone	11 to	12 =	25871	1.34E+02	11B	0.00	6.55E-27	11B	0.00	1.08E-28	11B	0.00E+00	0.00E+00	11B	0.00	0.00E+00	11B	0.000	0.00E+00	11B	0.00	2.20E-26	11B	0.00	3.65E-26
DHU Zone	1 to	12 =	21002	1.09E+02	1C	0.00	6.23E-02	1C	0.00	5.96E-03	1C	0.00E+00	0.00E+00	1C	0.00	0.00E+00	1C	0.000	0.00E+00	1C	0.00	3.21E-01	1C	0.01	2.02E+00
DHU Zone	2 to	12 =	23358	1.21E+02	2C	0.01	3.42E+00	2C	0.00	3.56E-01	2C	4.28E-33	1.03E-30	2C	0.00	4.43E-29	2C	0.000	5.56E-29	2C	0.02	3.67E+00	2C	0.09	2.21E+01
DHU Zone	3 to	12 =	12469	6.48E+01	3C	0.05	6.08E+00	3C	0.01	7.62E-01	3C	1.97E-22	2.54E-20	3C	0.00	1.59E-18	3C	0.000	2.16E-18	3C	0.02	2.11E+00	3C	0.10	1.23E+01
DHU Zone	4 to	12 =	11325	5.88E+01	4C	0.08	9.39E+00	4C	0.01	1.22E+00	4C	8.58E-18	1.00E-15	4C	0.00	8.05E-14	4C	0.000	1.15E-13	4C	0.01	1.43E+00	4C	0.07	8.38E+00
DHU Zone	5 to	12 =	12212	6.34E+01	5C	0.10	1.31E+01	5C	0.01	1.77E+00	5C	6.60E-14	8.33E-12	5C	0.00	7.84E-10	5C	0.000	1.24E-09	5C	0.01	9.25E-01	5C	0.04	5.52E+00
DHU Zone	6 to	12 =	16417	8.53E+01	6C	0.06	1.01E+01	6C	0.01	1.82E+00	6C	2.26E-10	3.84E-08	6C	0.00	3.40E-06	6C	0.000	6.95E-06	6C	0.00	3.78E-01	6C	0.01	2.22E+00
DHU Zone	7 to	12 =	13791	7.16E+01	7C	0.00	1.85E-01	7C	0.00	4.73E-02	7C	2.99E-10	4.26E-08	7C	0.00	3.76E-06	7C	0.000	8.25E-06	7C	0.00	4.85E-03	7C	0.00	1.99E-02
DHU Zone	8 to	12 =	25273	1.31E+02	8C	0.00	1.08E-03	8C	0.00	1.21E-04	8C	3.93E-12	1.03E-09	8C	0.00	8.63E-08	8C	0.000	2.03E-07	8C	0.00	8.76E-06	8C	0.00	1.34E-05
DHU Zone	9 to	12 =	25999	1.35E+02	9C	0.00	4.10E-10	9C	0.00	3.68E-12	9C	-1.61E-20	-4.32E-18	9C	0.00	0.00E+00	9C	0.000	0.00E+00	9C	0.00	1.49E-12	9C	0.00	1.74E-12
DHU Zone	10 to	12 =	21840	1.13E+02	10C	0.00	2.19E-19	10C	0.00	8.73E-21	10C	2.85E-34	6.43E-32	10C	0.00	0.00E+00	10C	0.000	0.00E+00	10C	0.00	2.97E-19	10C	0.00	4.46E-19
DHU Zone	11 to	12 =	20043	1.04E+02	11C	0.00	4.19E-27	11C	0.00	1.09E-28	11C	0.00E+00	0.00E+00	11C	0.00	0.00E+00	11C	0.000	0.00E+00	11C	0.00	2.10E-26	11C	0.00	3.46E-26
			total mass going into the		kg/yr		1.35E+02	kg/yr		1.33E+01	kg/yr		2.93E-07	kg/yr		2.59E-05	kg/yr		5.54E-05	kg/yr		1.91E+01	kg/yr		1.07E+02	kg/y

APPENDIX 6.1b
Calculation of Mass Flux - Sauget Area 1 Source Zone
Simulation time 2010

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in 2010 conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.15E+02	1.64E+00	1A	7.70E-05	2.50E-04	1A	4.12E-06	1.34E-05	1A	1.58E-39	5.15E-39	1A	1.76E-34	5.72E-34	1A	1.56E-33	5.08E-33	1A	7.79E-04	2.53E-03	1A	4.94E-03	1.61E-02
SHU Zone	2 to	12 =	2.79E+02	1.45E+00	2A	7.52E-04	2.17E-03	2A	5.51E-05	1.59E-04	2A	6.18E-22	1.78E-21	2A	5.70E-18	1.64E-17	2A	4.74E-17	1.36E-16	2A	2.93E-03	8.45E-03	2A	1.78E-02	5.12E-02
SHU Zone	3 to	12 =	9.96E+01	5.18E-01	3A	4.10E-03	4.22E-03	3A	3.01E-04	3.10E-04	3A	2.59E-14	2.67E-14	3A	1.43E-10	1.47E-10	3A	1.01E-09	1.04E-09	3A	3.22E-03	3.31E-03	3A	1.84E-02	1.89E-02
SHU Zone	4 to	12 =	7.43E+01	3.86E-01	4A	2.39E-02	1.84E-02	4A	1.72E-03	1.32E-03	4A	2.21E-11	1.70E-11	4A	7.98E-08	6.13E-08	4A	5.38E-07	4.13E-07	4A	4.96E-03	3.80E-03	4A	2.73E-02	2.09E-02
SHU Zone	5 to	12 =	5.56E+00	2.89E-02	5A	4.63E-03	2.66E-04	5A	3.27E-04	1.88E-05	5A	1.96E-10	1.12E-11	5A	4.21E-07	2.42E-08	5A	3.12E-06	1.79E-07	5A	9.17E-04	5.27E-05	5A	4.63E-03	2.66E-04
SHU Zone	6 to	12 =	9.18E-01	4.77E-03	6A	8.51E-04	8.07E-06	6A	5.86E-05	5.57E-07	6A	2.90E-10	2.75E-12	6A	4.40E-07	4.17E-09	6A	3.35E-06	3.18E-08	6A	1.14E-04	1.08E-06	6A	4.04E-04	3.83E-06
SHU Zone	7 to	12 =	4.17E+01	2.17E-01	7A	3.50E-04	1.51E-04	7A	8.01E-05	3.45E-05	7A	5.34E-08	2.30E-08	7A	5.51E-05	2.37E-05	7A	3.79E-04	1.63E-04	7A	1.64E-03	7.05E-04	7A	6.36E-04	2.74E-04
SHU Zone	8 to	12 =	8.36E+01	4.35E-01	8A	1.04E-05	9.00E-06	8A	1.58E-06	1.36E-06	8A	4.10E-09	3.55E-09	8A	3.22E-06	2.79E-06	8A	2.46E-05	2.13E-05	8A	1.07E-04	9.28E-05	8A	3.83E-05	3.31E-05
SHU Zone	9 to	12 =	1.23E+02	6.39E-01	9A	6.28E-11	7.98E-11	9A	3.42E-12	4.34E-12	9A	5.85E-15	7.43E-15	9A	1.01E-11	1.29E-11	9A	1.07E-10	1.36E-10	9A	5.98E-10	7.59E-10	9A	2.24E-10	2.85E-10
SHU Zone	10 to	12 =	1.53E+02	7.96E-01	10A	5.94E-20	9.40E-20	10A	5.89E-22	9.33E-22	10A	3.27E-26	5.18E-26	10A	1.72E-23	2.72E-23	10A	1.29E-22	2.04E-22	10A	2.26E-21	3.58E-21	10A	1.76E-21	2.79E-21
SHU Zone	11 to	12 =	2.33E+02	1.21E+00	11A	2.76E-30	6.65E-30	11A	5.26E-32	1.27E-31	11A	4.31E-39	1.04E-38	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	2.84E-29	6.83E-29	11A	5.22E-29	1.26E-28
MHU Zone	1 to	12 =	2.56E+04	1.33E+02	1B	3.08E-04	8.14E-02	1B	1.30E-05	3.44E-03	1B	3.20E-38	8.47E-36	1B	7.52E-33	1.99E-30	1B	6.76E-32	1.79E-29	1B	1.81E-03	4.79E-01	1B	1.14E-02	3.03E+00
MHU Zone	2 to	12 =	3.04E+04	1.58E+02	2B	1.12E-03	3.51E-01	2B	5.94E-05	1.87E-02	2B	7.85E-21	2.46E-18	2B	8.02E-17	2.52E-14	2B	6.72E-16	2.11E-13	2B	2.08E-03	6.53E-01	2B	1.26E-02	3.95E+00
MHU Zone	3 to	12 =	1.74E+04	9.02E+01	3B	1.22E-02	2.18E+00	3B	6.99E-04	1.25E-01	3B	3.17E-13	5.69E-11	3B	1.73E-09	3.10E-07	3B	1.22E-08	2.19E-06	3B	3.37E-03	6.05E-01	3B	1.93E-02	3.47E+00
MHU Zone	4 to	12 =	1.34E+04	6.95E+01	4B	1.18E-01	1.64E+01	4B	7.35E-03	1.02E+00	4B	2.25E-10	3.11E-08	4B	8.48E-07	1.17E-04	4B	5.53E-06	7.65E-04	4B	1.07E-02	1.48E+00	4B	5.85E-02	8.09E+00
MHU Zone	5 to	12 =	8.29E+02	4.31E+00	5B	2.71E-02	2.32E-01	5B	1.82E-03	1.56E-02	5B	3.02E-09	2.58E-08	5B	6.11E-06	5.23E-05	5B	4.26E-05	3.65E-04	5B	3.29E-03	2.82E-02	5B	1.57E-02	1.35E-01
MHU Zone	6 to	12 =	2.71E+02	1.41E+00	6B	4.99E-03	1.40E-02	6B	3.24E-04	9.10E-04	6B	3.05E-09	8.56E-09	6B	4.36E-06	1.22E-05	6B	3.18E-05	8.90E-05	6B	5.45E-04	1.53E-03	6B	1.69E-03	4.75E-03
MHU Zone	7 to	12 =	1.17E+04	6.08E+01	7B	2.33E-03	2.82E-01	7B	4.77E-04	5.76E-02	7B	5.92E-07	7.15E-05	7B	4.54E-04	5.48E-02	7B	2.83E-03	3.42E-01	7B	1.11E-02	1.34E+00	7B	4.04E-03	4.89E-01
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	4.12E-05	1.54E-02	8B	5.92E-06	2.22E-03	8B	2.10E-08	7.86E-06	8B	1.40E-05	5.25E-03	8B	1.00E-04	3.75E-02	8B	4.11E-04	1.54E-01	8B	1.43E-04	5.37E-02
MHU Zone	9 to	12 =	3.71E+04	1.93E+02	9B	2.47E-10	9.47E-08	9B	1.43E-11	5.50E-09	9B	3.52E-14	1.35E-11	9B	5.52E-11	2.11E-08	9B	5.67E-10	2.18E-07	9B	3.05E-09	1.17E-06	9B	1.13E-09	4.33E-07
MHU Zone	10 to	12 =	3.02E+04	1.57E+02	10B	6.46E-19	2.02E-16	10B	5.19E-21	1.62E-18	10B	-6.83E-25	-2.13E-22	10B	5.68E-22	1.77E-19	10B	4.78E-21	1.49E-18	10B	5.50E-20	1.72E-17	10B	2.66E-20	8.29E-18
MHU Zone	11 to	12 =	2.59E+04	1.35E+02	11B	1.18E-29	3.18E-27	11B	2.65E-31	7.11E-29	11B	-1.27E-37	-3.41E-35	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	3.87E-29	1.04E-26	11B	6.62E-29	1.77E-26
DHU Zone	1 to	12 =	2.11E+04	1.10E+02	1C	2.00E-04	4.37E-02	1C	1.71E-05	3.73E-03	1C	5.29E-38	1.15E-35	1C	8.63E-33	1.88E-30	1C	7.70E-32	1.68E-29	1C	2.33E-03	5.08E-01	1C	1.49E-02	3.26E+00
DHU Zone	2 to	12 =	2.36E+04	1.23E+02	2C	7.99E-04	1.95E-01	2C	6.63E-05	1.62E-02	2C	8.85E-21	2.16E-18	2C	9.21E-17	2.25E-14	2C	7.61E-16	1.86E-13	2C	2.10E-03	5.13E-01	2C	1.29E-02	3.15E+00
DHU Zone	3 to	12 =	1.27E+04	6.60E+01	3C	7.88E-03	1.03E+00	3C	8.31E-04	1.09E-01	3C	3.19E-13	4.19E-11	3C	1.89E-09	2.48E-07	3C	1.30E-08	1.70E-06	3C	3.81E-03	5.00E-01	3C	2.32E-02	3.04E+00
DHU Zone	4 to	12 =	9.70E+03	5.04E+01	4C	7.69E-02	7.71E+00	4C	8.89E-03	8.91E-01	4C	2.22E-10	2.23E-08	4C	8.76E-07	8.78E-05	4C	5.71E-06	5.73E-04	4C	1.21E-02	1.21E+00	4C	7.61E-02	7.63E+00
DHU Zone	5 to	12 =	5.30E+02	2.75E+00	5C	1.49E-02	8.18E-02	5C	2.32E-03	1.27E-02	5C	2.35E-09	1.29E-08	5C	5.11E-06	2.80E-05	5C	3.55E-05	1.94E-04	5C	4.28E-03	2.34E-02	5C	2.43E-02	1.33E-01
DHU Zone	6 to	12 =	1.32E+02	6.88E-01	6C	2.81E-03	3.85E-03	6C	6.81E-04	9.32E-04	6C	3.55E-09	4.86E-09	6C	5.45E-06	7.46E-06	6C	3.99E-05	5.46E-05	6C	8.98E-04	1.23E-03	6C	4.31E-03	5.90E-03
DHU Zone	7 to	12 =	7.62E+03	3.96E+01	7C	1.58E-03	1.24E-01	7C	5.87E-04	4.62E-02	7C	5.18E-07	4.08E-05	7C	4.26E-04	3.35E-02	7C	2.68E-03	2.11E-01	7C	1.06E-02	8.38E-01	7C	3.96E-03	3.12E-01
DHU Zone	8 to	12 =	2.53E+04	1.32E+02	8C	2.76E-05	7.23E-03	8C	7.22E-06	1.89E-03	8C	1.87E-08	4.89E-06	8C	1.31E-05	3.44E-03	8C	9.56E-05	2.50E-02	8C	3.98E-04	1.04E-01	8C	1.40E-04	3.67E-02
DHU Zone	9 to	12 =	2.62E+04	1.36E+02	9C	1.86E-10	5.03E-08	9C	1.70E-11	4.59E-09	9C	3.51E-14	9.49E-12	9C	5.67E-11	1.53E-08	9C	5.87E-10	1.59E-07	9C	3.17E-09	8.58E-07	9C	1.18E-09	3.18E-07
DHU Zone	10 to	12 =	2.19E+04	1.14E+02	10C	3.77E-19	8.54E-17	10C	6.95E-21	1.58E-18	10C	2.12E-25	4.80E-23	10C	5.56E-22	1.26E-19	10C	4.66E-21	1.06E-18	10C	5.44E-20	1.23E-17	10C	2.71E-20	6.14E-18
DHU Zone	11 to	12 =	2.01E+04	1.04E+02	11C	7.53E-30	1.56E-27	11C	1.55E-31	3.22E-29	11C	5.34E-38	1.11E-35	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	4.80E-29	9.96E-27	11C	8.16E-29	1.69E-26

total mass discharge into the river adjacent to Site	2.87E+01 kg/yr	2.32E+00 kg/yr	1.25E-04 kg/yr	9.74E-02 kg/yr	6.18E-01 kg/yr	8.46E+00 kg/yr	3.69E+01 kg/yr
Percent Capture by GMCS	87 %	91 %	89 %	90 %	90 %	79 %	66 %

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.1b
Calculation of Mass Flux - Sauget Area 1 Source Zone
Simulation time 2010

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010	
			Q (ft3/day)	Q (gpm)	1A	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.13E+02	1.63E+00	1A	7.28E-05	2.35E-04	1A	3.79E-06	1.23E-05	1A	4.50E-39	1.46E-38	1A	2.19E-34	7.08E-34	1A	1.97E-33	6.37E-33	1A	7.40E-04	2.39E-03	1A	4.70E-03	1.52E-02
SHU Zone	2 to	12 =	2.76E+02	1.43E+00	2A	7.11E-04	2.03E-03	2A	4.97E-05	1.42E-04	2A	2.93E-22	8.36E-22	2A	4.11E-18	1.17E-17	2A	3.49E-17	9.96E-17	2A	2.85E-03	8.13E-03	2A	1.73E-02	4.94E-02
SHU Zone	3 to	12 =	9.78E+01	5.08E-01	3A	3.76E-03	3.80E-03	3A	2.70E-04	2.73E-04	3A	1.17E-14	1.18E-14	3A	8.32E-11	8.41E-11	3A	5.99E-10	6.05E-10	3A	3.15E-03	3.18E-03	3A	1.81E-02	1.83E-02
SHU Zone	4 to	12 =	8.70E+01	4.52E-01	4A	2.24E-02	2.01E-02	4A	1.62E-03	1.45E-03	4A	1.56E-11	1.40E-11	4A	6.89E-08	6.20E-08	4A	4.67E-07	4.20E-07	4A	4.93E-03	4.43E-03	4A	2.72E-02	2.44E-02
SHU Zone	5 to	12 =	9.84E+01	5.11E-01	5A	6.67E-02	6.78E-02	5A	6.10E-03	6.20E-03	5A	2.99E-09	3.05E-09	5A	8.08E-06	8.21E-06	5A	5.35E-05	5.44E-05	5A	8.13E-03	8.27E-03	5A	4.32E-02	4.39E-02
SHU Zone	6 to	12 =	1.07E+02	5.55E-01	6A	4.32E-02	4.76E-02	6A	6.01E-03	6.63E-03	6A	2.10E-07	2.31E-07	6A	2.65E-04	2.93E-04	6A	1.74E-03	1.92E-03	6A	1.07E-02	1.18E-02	6A	1.83E-02	2.02E-02
SHU Zone	7 to	12 =	7.87E+01	4.09E-01	7A	1.20E-03	9.79E-04	7A	2.87E-04	2.33E-04	7A	1.21E-07	9.87E-08	7A	1.28E-04	1.04E-04	7A	8.46E-04	6.88E-04	7A	3.61E-03	2.94E-03	7A	1.53E-03	1.25E-03
SHU Zone	8 to	12 =	8.36E+01	4.34E-01	8A	8.37E-06	7.23E-06	8A	1.25E-06	1.08E-06	8A	3.06E-09	2.64E-09	8A	2.46E-06	2.13E-06	8A	1.93E-05	1.66E-05	8A	8.50E-05	7.34E-05	8A	3.04E-05	2.63E-05
SHU Zone	9 to	12 =	1.22E+02	6.34E-01	9A	4.94E-11	6.23E-11	9A	2.75E-12	3.47E-12	9A	4.28E-15	5.39E-15	9A	8.07E-12	1.02E-11	9A	8.66E-11	1.09E-10	9A	4.84E-10	6.11E-10	9A	1.82E-10	2.30E-10
SHU Zone	10 to	12 =	1.53E+02	7.93E-01	10A	4.07E-19	6.42E-19	10A	1.05E-20	1.65E-20	10A	1.99E-25	3.13E-25	10A	1.55E-23	2.44E-23	10A	1.19E-22	1.87E-22	10A	1.64E-21	2.58E-21	10A	1.20E-21	1.89E-21
SHU Zone	11 to	12 =	2.32E+02	1.21E+00	11A	1.84E-30	4.42E-30	11A	2.51E-32	6.02E-32	11A	2.37E-37	5.68E-37	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	2.45E-29	5.89E-29	11A	4.58E-29	1.10E-28
MHU Zone	1 to	12 =	2.55E+04	1.32E+02	1B	2.96E-04	7.80E-02	1B	1.26E-05	3.30E-03	1B	-1.30E-37	-3.43E-35	1B	8.92E-33	2.35E-30	1B	8.15E-32	2.14E-29	1B	1.77E-03	4.65E-01	1B	1.12E-02	2.95E+00
MHU Zone	2 to	12 =	3.00E+04	1.56E+02	2B	1.10E-03	3.40E-01	2B	5.96E-05	1.85E-02	2B	6.63E-21	2.06E-18	2B	5.63E-17	1.75E-14	2B	4.83E-16	1.50E-13	2B	2.06E-03	6.38E-01	2B	1.25E-02	3.88E+00
MHU Zone	3 to	12 =	1.70E+04	8.85E+01	3B	9.61E-03	1.69E+00	3B	5.68E-04	9.99E-02	3B	2.12E-13	3.73E-11	3B	1.01E-09	1.77E-07	3B	7.26E-09	1.28E-06	3B	3.13E-03	5.51E-01	3B	1.80E-02	3.18E+00
MHU Zone	4 to	12 =	1.57E+04	8.13E+01	4B	1.06E-01	1.71E+01	4B	6.61E-03	1.07E+00	4B	1.95E-10	3.16E-08	4B	7.12E-07	1.15E-04	4B	4.67E-06	7.56E-04	4B	9.88E-03	1.60E+00	4B	5.44E-02	8.80E+00
MHU Zone	5 to	12 =	1.82E+04	9.47E+01	5B	3.86E-01	7.27E+01	5B	3.09E-02	5.82E+00	5B	3.79E-08	7.14E-06	5B	7.49E-05	1.41E-02	5B	4.92E-04	9.27E-02	5B	2.52E-02	4.75E+00	5B	1.26E-01	2.37E+01
MHU Zone	6 to	12 =	2.52E+04	1.31E+02	6B	2.06E-01	5.37E+01	6B	2.58E-02	6.73E+00	6B	1.78E-06	4.65E-04	6B	1.56E-03	4.06E-01	6B	9.80E-03	2.56E+00	6B	4.75E-02	1.24E+01	6B	5.30E-02	1.38E+01
MHU Zone	7 to	12 =	2.14E+04	1.11E+02	7B	5.82E-03	1.29E+00	7B	1.27E-03	2.80E-01	7B	1.01E-06	2.22E-04	7B	7.30E-04	1.61E-01	7B	4.52E-03	9.98E-01	7B	1.76E-02	3.89E+00	7B	6.74E-03	1.49E+00
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	3.28E-05	1.23E-02	8B	4.63E-06	1.73E-03	8B	1.60E-08	5.97E-06	8B	1.08E-05	4.03E-03	8B	7.87E-05	2.94E-02	8B	3.26E-04	1.22E-01	8B	1.14E-04	4.28E-02
MHU Zone	9 to	12 =	3.68E+04	1.91E+02	9B	2.00E-10	7.62E-08	9B	1.16E-11	4.41E-09	9B	2.76E-14	1.05E-11	9B	4.35E-11	1.66E-08	9B	4.54E-10	1.73E-07	9B	2.45E-09	9.34E-07	9B	9.12E-10	3.47E-07
MHU Zone	10 to	12 =	3.01E+04	1.56E+02	10B	-7.17E-18	-2.23E-15	10B	-1.87E-19	-5.82E-17	10B	-5.86E-24	-1.82E-21	10B	5.00E-22	1.56E-19	10B	4.31E-21	1.34E-18	10B	4.41E-20	1.37E-17	10B	2.07E-20	6.44E-18
MHU Zone	11 to	12 =	2.59E+04	1.34E+02	11B	1.75E-29	4.68E-27	11B	6.36E-31	1.70E-28	11B	-8.14E-36	-2.18E-33	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	3.01E-29	8.05E-27	11B	5.21E-29	1.39E-26
DHU Zone	1 to	12 =	2.10E+04	1.09E+02	1C	1.92E-04	4.18E-02	1C	1.65E-05	3.59E-03	1C	2.92E-38	6.34E-36	1C	1.03E-32	2.23E-30	1C	9.29E-32	2.02E-29	1C	2.28E-03	4.95E-01	1C	1.47E-02	3.18E+00
DHU Zone	2 to	12 =	2.34E+04	1.21E+02	2C	7.41E-04	1.79E-01	2C	6.37E-05	1.54E-02	2C	6.69E-21	1.62E-18	2C	6.48E-17	1.56E-14	2C	5.48E-16	1.32E-13	2C	2.09E-03	5.04E-01	2C	1.29E-02	3.11E+00
DHU Zone	3 to	12 =	1.25E+04	6.48E+01	3C	6.93E-03	8.93E-01	3C	7.35E-04	9.47E-02	3C	1.59E-13	2.05E-11	3C	1.10E-09	1.42E-07	3C	7.73E-09	9.96E-07	3C	3.53E-03	4.54E-01	3C	2.15E-02	2.77E+00
DHU Zone	4 to	12 =	1.13E+04	5.88E+01	4C	6.96E-02	8.15E+00	4C	8.04E-03	9.41E-01	4C	1.80E-10	2.11E-08	4C	7.38E-07	8.64E-05	4C	4.84E-06	5.66E-04	4C	1.12E-02	1.31E+00	4C	7.03E-02	8.23E+00
DHU Zone	5 to	12 =	1.22E+04	6.34E+01	5C	2.69E-01	3.39E+01	5C	3.59E-02	4.54E+00	5C	3.49E-08	4.41E-06	5C	7.58E-05	9.57E-03	5C	5.00E-04	6.31E-02	5C	2.74E-02	3.46E+00	5C	1.59E-01	2.01E+01
DHU Zone	6 to	12 =	1.64E+04	8.53E+01	6C	1.43E-01	2.43E+01	6C	3.14E-02	5.33E+00	6C	1.57E-06	2.66E-04	6C	1.50E-03	2.55E-01	6C	9.53E-03	1.62E+00	6C	4.74E-02	8.04E+00	6C	6.52E-02	1.11E+01
DHU Zone	7 to	12 =	1.38E+04	7.16E+01	7C	4.19E-03	5.97E-01	7C	1.55E-03	2.22E-01	7C	8.77E-07	1.25E-04	7C	6.98E-04	9.96E-02	7C	4.36E-03	6.21E-01	7C	1.72E-02	2.45E+00	7C	6.82E-03	9.73E-01
DHU Zone	8 to	12 =	2.53E+04	1.31E+02	8C	2.20E-05	5.74E-03	8C	5.63E-06	1.47E-03	8C	1.41E-08	3.69E-06	8C	1.01E-05	2.64E-03	8C	7.51E-05	1.96E-02	8C	3.16E-04	8.27E-02	8C	1.12E-04	2.92E-02
DHU Zone	9 to	12 =	2.60E+04	1.35E+02	9C	1.48E-10	3.99E-08	9C	1.35E-11	3.63E-09	9C	2.68E-14	7.21E-12	9C	4.47E-11	1.20E-08	9C	4.69E-10	1.26E-07	9C	2.55E-09	6.85E-07	9C	9.50E-10	2.55E-07
DHU Zone	10 to	12 =	2.18E+04	1.13E+02	10C	2.62E-18	5.90E-16	10C	6.71E-20	1.52E-17	10C	1.92E-24	4.33E-22	10C	4.92E-22	1.11E-19	10C	4.22E-21	9.53E-19	10C	4.35E-20	9.82E-18	10C	2.09E-20	4.71E-18
DHU Zone	11 to	12 =	2.00E+04	1.04E+02	11C	1.84E-30	3.81E-28	11C	-3.63E-31	-7.52E-29	11C	2.08E-36	4.31E-34	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	3.70E-29	7.66E-27	11C	6.36E-29	1.32E-26
						total mass going into the	kg/yr		2.15E+02	kg/yr		2.52E+01	kg/yr		1.10E-03	kg/yr		9.53E-01	kg/yr		6.00E+00	kg/yr		4.12E+01	kg/yr		1.07E+02	kg/y

APPENDIX 6.1c
Calculation of Mass Flux - Sauget Area 1 Source Zone
Simulation time 2020

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.40E+02	3.33E+00	1A	2.20E-09	1.46E-08	1A	2.62E-10	1.73E-09	1A	1.43E-26	9.46E-26	1A	1.94E-26	1.29E-25	1A	2.67E-24	1.77E-23	1A	5.35E-06	3.54E-05	1A	3.76E-05	2.49E-04
SHU Zone	2 to	12 =	4.89E+02	2.54E+00	2A	2.54E-09	1.28E-08	2A	4.56E-10	2.30E-09	2A	-3.43E-18	-1.73E-17	2A	9.99E-17	5.05E-16	2A	8.11E-15	4.10E-14	2A	3.11E-06	1.57E-05	2A	2.11E-05	1.07E-04
SHU Zone	3 to	12 =	1.62E+02	8.40E-01	3A	3.94E-05	6.58E-05	3A	2.52E-06	4.22E-06	3A	-4.09E-13	-6.83E-13	3A	8.16E-11	1.36E-10	3A	3.18E-09	5.32E-09	3A	1.29E-05	2.15E-05	3A	7.61E-05	1.27E-04
SHU Zone	4 to	12 =	1.20E+02	6.24E-01	4A	4.72E-03	5.86E-03	4A	3.06E-04	3.80E-04	4A	4.88E-11	6.06E-11	4A	2.40E-08	2.98E-08	4A	5.93E-07	7.36E-07	4A	4.92E-04	6.11E-04	4A	2.61E-03	3.24E-03
SHU Zone	5 to	12 =	8.18E+00	4.25E-02	5A	9.45E-03	7.99E-04	5A	5.88E-04	4.97E-05	5A	2.32E-10	1.96E-11	5A	2.12E-06	1.79E-07	5A	7.45E-05	6.29E-06	5A	4.89E-03	4.14E-04	5A	1.89E-02	1.60E-03
SHU Zone	6 to	12 =	1.18E+00	6.11E-03	6A	5.32E-03	6.47E-05	6A	2.73E-04	3.32E-06	6A	2.59E-10	3.15E-12	6A	1.74E-06	2.11E-08	6A	6.95E-05	8.44E-07	6A	3.06E-03	3.71E-05	6A	7.13E-03	8.66E-05
SHU Zone	7 to	12 =	5.81E+01	3.02E-01	7A	3.63E-02	2.18E-02	7A	7.68E-03	4.61E-03	7A	1.20E-06	7.19E-07	7A	9.32E-04	5.60E-04	7A	7.63E-03	4.58E-03	7A	3.99E-02	2.40E-02	7A	2.56E-02	1.54E-02
SHU Zone	8 to	12 =	1.12E+02	5.80E-01	8A	1.69E-03	1.95E-03	8A	5.27E-04	6.08E-04	8A	5.12E-07	5.90E-07	8A	3.14E-04	3.62E-04	8A	2.11E-03	2.44E-03	8A	8.16E-03	9.42E-03	8A	3.25E-03	3.75E-03
SHU Zone	9 to	12 =	1.52E+02	7.89E-01	9A	3.83E-08	6.01E-08	9A	6.26E-09	9.82E-09	9A	1.22E-11	1.92E-11	9A	1.81E-08	2.84E-08	9A	2.13E-07	3.34E-07	9A	1.25E-06	1.96E-06	9A	5.54E-07	8.70E-07
SHU Zone	10 to	12 =	1.79E+02	9.31E-01	10A	2.81E-16	5.21E-16	10A	2.43E-17	4.50E-17	10A	3.97E-21	7.36E-21	10A	1.39E-16	2.58E-16	10A	3.89E-15	7.20E-15	10A	4.98E-14	9.23E-14	10A	2.96E-14	5.49E-14
SHU Zone	11 to	12 =	2.63E+02	1.37E+00	11A	2.42E-26	6.59E-26	11A	-1.77E-26	-4.81E-26	11A	9.34E-32	2.54E-31	11A	5.01E-26	1.36E-25	11A	3.87E-24	1.05E-23	11A	1.39E-22	3.78E-22	11A	1.15E-22	3.12E-22
MHU Zone	1 to	12 =	5.17E+04	2.69E+02	1B	1.05E-09	5.62E-07	1B	8.47E-11	4.53E-08	1B	-7.61E-26	-4.07E-23	1B	2.20E-26	1.18E-23	1B	2.57E-24	1.37E-21	1B	1.35E-06	7.21E-04	1B	9.45E-06	5.05E-03
MHU Zone	2 to	12 =	5.21E+04	2.71E+02	2B	1.45E-09	7.81E-07	2B	2.00E-10	1.08E-07	2B	1.21E-17	6.52E-15	2B	8.44E-17	4.55E-14	2B	4.73E-15	2.55E-12	2B	8.02E-07	4.32E-04	2B	5.43E-06	2.93E-03
MHU Zone	3 to	12 =	2.82E+04	1.47E+02	3B	1.18E-04	3.44E-02	3B	6.64E-06	1.94E-03	3B	3.06E-12	8.93E-10	3B	1.52E-10	4.44E-08	3B	3.20E-09	9.35E-07	3B	8.51E-06	2.48E-03	3B	4.59E-05	1.34E-02
MHU Zone	4 to	12 =	2.17E+04	1.13E+02	4B	1.62E-02	3.64E+00	4B	9.02E-04	2.03E-01	4B	8.94E-11	2.01E-08	4B	5.85E-08	1.31E-05	4B	8.50E-07	1.91E-04	4B	6.75E-04	1.52E-01	4B	3.48E-03	7.82E-01
MHU Zone	5 to	12 =	1.29E+03	6.71E+00	5B	5.40E-02	7.20E-01	5B	2.98E-03	3.98E-02	5B	1.98E-09	2.65E-08	5B	7.43E-06	9.92E-05	5B	1.74E-04	2.33E-03	5B	1.03E-02	1.37E-01	5B	4.14E-02	5.53E-01
MHU Zone	6 to	12 =	3.45E+02	1.79E+00	6B	2.84E-02	1.01E-01	6B	1.34E-03	4.76E-03	6B	1.82E-09	6.51E-09	6B	6.20E-06	2.21E-05	6B	1.78E-04	6.34E-04	6B	7.13E-03	2.54E-02	6B	1.84E-02	6.58E-02
MHU Zone	7 to	12 =	1.62E+04	8.41E+01	7B	1.90E-01	3.18E+01	7B	3.53E-02	5.92E+00	7B	7.76E-06	1.30E-03	7B	3.72E-03	6.23E-01	7B	2.37E-02	3.97E+00	7B	9.31E-02	1.56E+01	7B	5.64E-02	9.45E+00
MHU Zone	8 to	12 =	4.79E+04	2.49E+02	8B	5.58E-03	2.76E+00	8B	1.65E-03	8.16E-01	8B	2.05E-06	1.02E-03	8B	9.32E-04	4.61E-01	8B	5.61E-03	2.77E+00	8B	1.94E-02	9.58E+00	8B	7.29E-03	3.60E+00
MHU Zone	9 to	12 =	4.56E+04	2.37E+02	9B	1.24E-07	5.85E-05	9B	1.93E-08	9.10E-06	9B	5.15E-11	2.43E-08	9B	5.53E-08	2.61E-05	9B	5.42E-07	2.55E-04	9B	2.65E-06	1.25E-03	9B	1.08E-06	5.09E-04
MHU Zone	10 to	12 =	3.54E+04	1.84E+02	10B	9.03E-16	3.31E-13	10B	1.06E-16	3.87E-14	10B	1.64E-20	5.99E-18	10B	7.85E-16	2.88E-13	10B	1.84E-14	6.75E-12	10B	1.95E-13	7.16E-11	10B	1.08E-13	3.95E-11
MHU Zone	11 to	12 =	2.93E+04	1.52E+02	11B	1.80E-24	5.46E-22	11B	4.20E-25	1.27E-22	11B	1.18E-29	3.57E-27	11B	2.58E-25	7.81E-23	11B	1.67E-23	5.06E-21	11B	4.94E-22	1.50E-19	11B	3.84E-22	1.16E-19
DHU Zone	1 to	12 =	4.27E+04	2.22E+02	1C	4.18E-10	1.85E-07	1C	3.76E-11	1.66E-08	1C	7.53E-26	3.32E-23	1C	2.37E-26	1.05E-23	1C	2.67E-24	1.18E-21	1C	5.14E-07	2.27E-04	1C	3.59E-06	1.59E-03
DHU Zone	2 to	12 =	4.06E+04	2.11E+02	2C	6.87E-10	2.88E-07	2C	4.69E-11	1.97E-08	2C	3.42E-18	1.44E-15	2C	8.70E-17	3.65E-14	2C	4.27E-15	1.79E-12	2C	3.15E-07	1.32E-04	2C	2.14E-06	9.00E-04
DHU Zone	3 to	12 =	2.07E+04	1.08E+02	3C	8.83E-05	1.89E-02	3C	6.76E-06	1.45E-03	3C	-2.90E-12	-6.20E-10	3C	1.68E-10	3.58E-08	3C	3.30E-09	7.06E-07	3C	8.03E-06	1.72E-03	3C	4.59E-05	9.82E-03
DHU Zone	4 to	12 =	1.58E+04	8.19E+01	4C	1.18E-02	1.92E+00	4C	1.04E-03	1.69E-01	4C	2.38E-10	3.88E-08	4C	6.37E-08	1.04E-05	4C	8.84E-07	1.44E-04	4C	6.91E-04	1.13E-01	4C	4.08E-03	6.65E-01
DHU Zone	5 to	12 =	8.41E+02	4.37E+00	5C	2.80E-02	2.44E-01	5C	3.56E-03	3.09E-02	5C	2.11E-09	1.83E-08	5C	8.60E-06	7.47E-05	5C	2.08E-04	1.81E-03	5C	1.25E-02	1.08E-01	5C	5.66E-02	4.92E-01
DHU Zone	6 to	12 =	1.73E+02	9.01E-01	6C	1.65E-02	2.96E-02	6C	2.82E-03	5.06E-03	6C	2.81E-09	5.03E-09	6C	1.37E-05	2.46E-05	6C	3.86E-04	6.93E-04	6C	1.50E-02	2.69E-02	6C	4.97E-02	8.91E-02
DHU Zone	7 to	12 =	1.06E+04	5.49E+01	7C	1.41E-01	1.54E+01	7C	4.26E-02	4.64E+00	7C	6.98E-06	7.62E-04	7C	3.56E-03	3.89E-01	7C	2.31E-02	2.52E+00	7C	9.16E-02	1.00E+01	7C	6.21E-02	6.78E+00
DHU Zone	8 to	12 =	3.34E+04	1.74E+02	8C	4.14E-03	1.43E+00	8C	2.05E-03	7.08E-01	8C	1.81E-06	6.26E-04	8C	8.74E-04	3.02E-01	8C	5.35E-03	1.85E+00	8C	1.87E-02	6.46E+00	8C	7.17E-03	2.48E+00
DHU Zone	9 to	12 =	3.22E+04	1.67E+02	9C	9.92E-08	3.30E-05	9C	2.30E-08	7.63E-06	9C	5.10E-11	1.69E-08	9C	5.69E-08	1.89E-05	9C	5.66E-07	1.88E-04	9C	2.79E-06	9.27E-04	9C	1.14E-06	3.80E-04
DHU Zone	10 to	12 =	2.57E+04	1.34E+02	10C	1.15E-15	3.07E-13	10C	1.95E-16	5.19E-14	10C	2.59E-20	6.88E-18	10C	8.63E-16	2.29E-13	10C	2.04E-14	5.43E-12	10C	2.18E-13	5.79E-11	10C	1.20E-13	3.20E-11
DHU Zone	11 to	12 =	2.27E+04	1.18E+02	11C	-2.42E-25	-5.68E-23	11C	1.14E-26	2.67E-24	11C	1.96E-30	4.61E-28	11C	3.37E-25	7.91E-23	11C	2.17E-23	5.09E-21	11C	6.36E-22	1.49E-19	11C	4.94E-22	1.16E-19

total mass discharge into the river adjacent to Site	5.81E+01 kg/yr	1.25E+01 kg/yr	3.70E-03 kg/yr	1.78E+00 kg/yr	1.11E+01 kg/yr	4.22E+01 kg/yr	2.50E+01 kg/yr
Percent Capture by GMCS	93 %	86 %	39 %	31 %	29 %	45 %	81 %

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.1c
Calculation of Mass Flux - Sauget Area 1 Source Zone
Simulation time 2020

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.29E+02	3.27E+00	1A	1.92E-09	1.25E-08	1A	2.38E-10	1.55E-09	1A	-1.69E-27	-1.10E-26	1A	1.98E-27	1.29E-26	1A	3.21E-25	2.09E-24	1A	5.45E-06	3.54E-05	1A	3.84E-05	2.50E-04
SHU Zone	2 to	12 =	4.68E+02	2.43E+00	2A	2.19E-09	1.06E-08	2A	4.36E-10	2.11E-09	2A	1.14E-17	5.52E-17	2A	7.28E-18	3.52E-17	2A	8.00E-16	3.87E-15	2A	3.39E-06	1.64E-05	2A	2.31E-05	1.12E-04
SHU Zone	3 to	12 =	1.48E+02	7.68E-01	3A	3.86E-06	5.89E-06	3A	2.72E-07	4.16E-07	3A	4.55E-13	6.96E-13	3A	4.78E-12	7.29E-12	3A	2.64E-10	4.03E-10	3A	5.95E-06	9.08E-06	3A	3.79E-05	5.78E-05
SHU Zone	4 to	12 =	1.26E+02	6.54E-01	4A	8.41E-04	1.09E-03	4A	5.56E-05	7.24E-05	4A	-1.32E-11	-1.72E-11	4A	3.61E-09	4.70E-09	4A	9.95E-08	1.29E-07	4A	1.31E-04	1.71E-04	4A	7.27E-04	9.45E-04
SHU Zone	5 to	12 =	1.38E+02	7.15E-01	5A	3.96E-02	5.63E-02	5A	3.07E-03	4.38E-03	5A	-1.74E-10	-2.47E-10	5A	1.49E-06	2.12E-06	5A	2.27E-05	3.23E-05	5A	3.42E-03	4.87E-03	5A	1.73E-02	2.47E-02
SHU Zone	6 to	12 =	1.45E+02	7.52E-01	6A	3.27E-01	4.89E-01	6A	3.28E-02	4.90E-02	6A	3.59E-07	5.37E-07	6A	2.94E-04	4.39E-04	6A	2.54E-03	3.80E-03	6A	2.91E-02	4.35E-02	6A	7.95E-02	1.19E-01
SHU Zone	7 to	12 =	1.02E+02	5.28E-01	7A	4.32E-02	4.53E-02	7A	8.98E-03	9.44E-03	7A	1.69E-06	1.77E-06	7A	1.14E-03	1.20E-03	7A	8.62E-03	9.05E-03	7A	4.11E-02	4.32E-02	7A	2.52E-02	2.65E-02
SHU Zone	8 to	12 =	1.04E+02	5.41E-01	8A	5.22E-04	5.61E-04	8A	1.57E-04	1.69E-04	8A	2.11E-07	2.27E-07	8A	1.30E-04	1.40E-04	8A	8.84E-04	9.51E-04	8A	3.44E-03	3.70E-03	8A	1.35E-03	1.45E-03
SHU Zone	9 to	12 =	1.46E+02	7.57E-01	9A	1.09E-08	1.65E-08	9A	1.68E-09	2.53E-09	9A	3.52E-12	5.31E-12	9A	5.22E-09	7.87E-09	9A	6.54E-08	9.85E-08	9A	4.01E-07	6.04E-07	9A	1.81E-07	2.73E-07
SHU Zone	10 to	12 =	1.75E+02	9.10E-01	10A	7.39E-17	1.34E-16	10A	7.01E-18	1.27E-17	10A	3.18E-20	5.76E-20	10A	4.36E-17	7.89E-17	10A	1.30E-15	2.35E-15	10A	1.76E-14	3.18E-14	10A	1.07E-14	1.93E-14
SHU Zone	11 to	12 =	2.59E+02	1.35E+00	11A	4.65E-26	1.25E-25	11A	3.28E-27	8.79E-27	11A	-3.24E-28	-8.69E-28	11A	1.81E-26	4.86E-26	11A	1.59E-24	4.26E-24	11A	6.28E-23	1.68E-22	11A	5.32E-23	1.43E-22
MHU Zone	1 to	12 =	5.08E+04	2.64E+02	1B	1.41E-09	7.42E-07	1B	1.32E-10	6.91E-08	1B	1.03E-26	5.42E-24	1B	1.74E-27	9.14E-25	1B	2.48E-25	1.30E-22	1B	1.37E-06	7.20E-04	1B	9.63E-06	5.06E-03
MHU Zone	2 to	12 =	4.98E+04	2.59E+02	2B	1.50E-09	7.73E-07	2B	2.30E-10	1.19E-07	2B	-4.89E-17	-2.52E-14	2B	4.45E-18	2.29E-15	2B	3.49E-16	1.80E-13	2B	8.68E-07	4.47E-04	2B	5.90E-06	3.04E-03
MHU Zone	3 to	12 =	2.58E+04	1.34E+02	3B	1.12E-05	2.99E-03	3B	6.30E-07	1.68E-04	3B	-1.91E-12	-5.08E-10	3B	7.42E-12	1.98E-09	3B	1.88E-10	5.01E-08	3B	1.56E-06	4.16E-04	3B	9.11E-06	2.43E-03
MHU Zone	4 to	12 =	2.27E+04	1.18E+02	4B	3.03E-03	7.11E-01	4B	1.71E-04	4.01E-02	4B	8.59E-11	2.02E-08	4B	9.14E-09	2.15E-06	4B	1.33E-07	3.12E-05	4B	1.34E-04	3.16E-02	4B	7.02E-04	1.65E-01
MHU Zone	5 to	12 =	2.54E+04	1.32E+02	5B	1.69E-01	4.43E+01	5B	1.15E-02	3.02E+00	5B	1.72E-08	4.51E-06	5B	5.03E-06	1.32E-03	5B	4.57E-05	1.20E-02	5B	5.59E-03	1.47E+00	5B	2.83E-02	7.44E+00
MHU Zone	6 to	12 =	3.37E+04	1.75E+02	6B	1.26E+00	4.41E+02	6B	1.13E-01	3.96E+01	6B	2.11E-06	7.37E-04	6B	8.80E-04	3.07E-01	6B	5.76E-03	2.01E+00	6B	5.10E-02	1.78E+01	6B	1.47E-01	5.13E+01
MHU Zone	7 to	12 =	2.74E+04	1.43E+02	7B	1.79E-01	5.06E+01	7B	3.34E-02	9.48E+00	7B	9.48E-06	2.69E-03	7B	3.82E-03	1.08E+00	7B	2.30E-02	6.51E+00	7B	8.43E-02	2.39E+01	7B	4.83E-02	1.37E+01
MHU Zone	8 to	12 =	4.47E+04	2.32E+02	8B	1.80E-03	8.33E-01	8B	5.08E-04	2.35E-01	8B	8.90E-07	4.12E-04	8B	4.06E-04	1.88E-01	8B	2.45E-03	1.13E+00	8B	8.46E-03	3.91E+00	8B	3.11E-03	1.44E+00
MHU Zone	9 to	12 =	4.38E+04	2.27E+02	9B	3.61E-08	1.63E-05	9B	5.09E-09	2.30E-06	9B	1.54E-11	6.96E-09	9B	1.63E-08	7.38E-06	9B	1.70E-07	7.68E-05	9B	8.63E-07	3.91E-04	9B	3.57E-07	1.62E-04
MHU Zone	10 to	12 =	3.46E+04	1.80E+02	10B	3.89E-16	1.39E-13	10B	3.64E-17	1.30E-14	10B	-1.39E-19	-4.99E-17	10B	2.48E-16	8.87E-14	10B	6.18E-15	2.21E-12	10B	6.88E-14	2.46E-11	10B	3.87E-14	1.38E-11
MHU Zone	11 to	12 =	2.89E+04	1.50E+02	11B	1.86E-25	5.54E-23	11B	1.28E-26	3.82E-24	11B	2.58E-27	7.71E-25	11B	9.02E-26	2.69E-23	11B	6.54E-24	1.95E-21	11B	2.11E-22	6.31E-20	11B	1.69E-22	5.05E-20
DHU Zone	1 to	12 =	4.19E+04	2.18E+02	1C	6.06E-10	2.63E-07	1C	6.02E-11	2.61E-08	1C	-1.04E-26	-4.49E-24	1C	1.77E-27	7.67E-25	1C	2.42E-25	1.05E-22	1C	5.23E-07	2.27E-04	1C	3.67E-06	1.59E-03
DHU Zone	2 to	12 =	3.88E+04	2.02E+02	2C	7.04E-10	2.82E-07	2C	1.07E-10	4.30E-08	2C	4.24E-17	1.70E-14	2C	4.12E-18	1.65E-15	2C	2.68E-16	1.08E-13	2C	3.38E-07	1.36E-04	2C	2.31E-06	9.26E-04
DHU Zone	3 to	12 =	1.89E+04	9.82E+01	3C	8.39E-06	1.64E-03	3C	6.94E-07	1.36E-04	3C	1.39E-12	2.71E-10	3C	8.09E-12	1.58E-09	3C	1.86E-10	3.62E-08	3C	1.12E-06	2.20E-04	3C	6.55E-06	1.28E-03
DHU Zone	4 to	12 =	1.64E+04	8.54E+01	4C	2.20E-03	3.75E-01	4C	1.96E-04	3.32E-02	4C	3.70E-12	6.29E-10	4C	9.85E-09	1.67E-06	4C	1.37E-07	2.32E-05	4C	1.33E-04	2.26E-02	4C	7.73E-04	1.31E-01
DHU Zone	5 to	12 =	1.71E+04	8.86E+01	5C	1.32E-01	2.32E+01	5C	1.30E-02	2.30E+00	5C	1.80E-09	3.18E-07	5C	5.43E-06	9.57E-04	5C	4.80E-05	8.46E-03	5C	5.79E-03	1.02E+00	5C	3.35E-02	5.90E+00
DHU Zone	6 to	12 =	2.20E+04	1.14E+02	6C	9.58E-01	2.18E+02	6C	1.29E-01	2.93E+01	6C	1.84E-06	4.18E-04	6C	8.50E-04	1.93E-01	6C	5.59E-03	1.27E+00	6C	5.05E-02	1.15E+01	6C	1.82E-01	4.13E+01
DHU Zone	7 to	12 =	1.77E+04	9.20E+01	7C	1.38E-01	2.53E+01	7C	3.99E-02	7.29E+00	7C	8.51E-06	1.56E-03	7C	3.64E-03	6.66E-01	7C	2.21E-02	4.05E+00	7C	8.20E-02	1.50E+01	7C	5.22E-02	9.56E+00
DHU Zone	8 to	12 =	3.13E+04	1.62E+02	8C	1.32E-03	4.27E-01	8C	6.29E-04	2.03E-01	8C	7.85E-07	2.53E-04	8C	3.82E-04	1.23E-01	8C	2.34E-03	7.57E-01	8C	8.19E-03	2.64E+00	8C	3.05E-03	9.86E-01
DHU Zone	9 to	12 =	3.09E+04	1.61E+02	9C	2.84E-08	9.08E-06	9C	6.02E-09	1.92E-06	9C	1.51E-11	4.83E-09	9C	1.69E-08	5.39E-06	9C	1.78E-07	5.69E-05	9C	9.14E-07	2.92E-04	9C	3.80E-07	1.21E-04
DHU Zone	10 to	12 =	2.51E+04	1.31E+02	10C	3.13E-16	8.12E-14	10C	3.75E-17	9.74E-15	10C	1.14E-19	2.96E-17	10C	2.73E-16	7.08E-14	10C	6.86E-15	1.78E-12	10C	7.69E-14	2.00E-11	10C	4.33E-14	1.12E-11
DHU Zone	11 to	12 =	2.24E+04	1.16E+02	11C	1.73E-25	4.00E-23	11C	1.51E-26	3.49E-24	11C	-1.67E-27	-3.86E-25	11C	1.18E-25	2.72E-23	11C	8.47E-24	1.96E-21	11C	2.71E-22	6.28E-20	11C	2.17E-22	5.02E-20
						total mass going into the	kg/yr		8.05E+02	kg/yr		9.15E+01	kg/yr		6.07E-03	kg/yr		2.57E+00	kg/yr		1.58E+01	kg/yr		7.74E+01	kg/yr		1.32E+02	kg/y

APPENDIX 6.1d
Calculation of Mass Flux - Sauget Area 1 Source Zone
Simulation time 2030

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.45E+02	3.35E+00	1A	1.27E-14	8.50E-14	1A	5.78E-15	3.85E-14	1A	2.03E-31	1.35E-30	1A	4.15E-29	2.77E-28	1A	5.46E-27	3.64E-26	1A	2.25E-08	1.50E-07	1A	1.75E-07	1.17E-06
SHU Zone	2 to	12 =	4.92E+02	2.56E+00	2A	3.09E-11	1.57E-10	2A	9.03E-13	4.59E-12	2A	7.27E-22	3.70E-21	2A	5.32E-18	2.71E-17	2A	1.94E-16	9.86E-16	2A	1.20E-08	6.09E-08	2A	9.18E-08	4.67E-07
SHU Zone	3 to	12 =	1.63E+02	8.46E-01	3A	1.90E-05	3.20E-05	3A	1.12E-06	1.89E-06	3A	9.13E-15	1.54E-14	3A	2.48E-11	4.17E-11	3A	5.19E-10	8.74E-10	3A	1.86E-06	3.13E-06	3A	1.07E-05	1.81E-05
SHU Zone	4 to	12 =	1.21E+02	6.29E-01	4A	3.14E-03	3.93E-03	4A	1.93E-04	2.41E-04	4A	5.83E-12	7.29E-12	4A	1.11E-08	1.39E-08	4A	1.85E-07	2.32E-07	4A	2.19E-04	2.74E-04	4A	1.21E-03	1.51E-03
SHU Zone	5 to	12 =	8.23E+00	4.28E-02	5A	7.81E-03	6.64E-04	5A	4.59E-04	3.91E-05	5A	8.98E-11	7.64E-12	5A	5.51E-07	4.69E-08	5A	1.43E-05	1.22E-06	5A	2.59E-03	2.20E-04	5A	1.30E-02	1.11E-03
SHU Zone	6 to	12 =	1.18E+00	6.14E-03	6A	5.41E-03	6.60E-05	6A	2.58E-04	3.15E-06	6A	1.39E-10	1.70E-12	6A	6.65E-07	8.12E-09	6A	1.88E-05	2.29E-07	6A	2.51E-03	3.07E-05	6A	9.79E-03	1.20E-04
SHU Zone	7 to	12 =	5.85E+01	3.04E-01	7A	3.87E-02	2.34E-02	7A	8.11E-03	4.91E-03	7A	1.23E-06	7.41E-07	7A	8.26E-04	5.00E-04	7A	6.80E-03	4.11E-03	7A	3.64E-02	2.20E-02	7A	2.51E-02	1.52E-02
SHU Zone	8 to	12 =	1.12E+02	5.83E-01	8A	1.78E-03	2.07E-03	8A	5.82E-04	6.76E-04	8A	6.41E-07	7.44E-07	8A	2.92E-04	3.39E-04	8A	1.97E-03	2.29E-03	8A	7.70E-03	8.94E-03	8A	3.12E-03	3.63E-03
SHU Zone	9 to	12 =	1.53E+02	7.93E-01	9A	5.07E-08	8.00E-08	9A	9.79E-09	1.54E-08	9A	2.84E-11	4.48E-11	9A	1.97E-08	3.10E-08	9A	2.39E-07	3.77E-07	9A	1.47E-06	2.32E-06	9A	6.82E-07	1.07E-06
SHU Zone	10 to	12 =	1.80E+02	9.34E-01	10A	7.43E-16	1.38E-15	10A	9.88E-17	1.84E-16	10A	6.94E-20	1.29E-19	10A	2.94E-16	5.47E-16	10A	9.70E-15	1.80E-14	10A	1.51E-13	2.80E-13	10A	9.86E-14	1.83E-13
SHU Zone	11 to	12 =	2.64E+02	1.37E+00	11A	2.33E-24	6.35E-24	11A	2.51E-25	6.85E-25	11A	1.32E-29	3.61E-29	11A	1.02E-24	2.79E-24	11A	9.12E-23	2.49E-22	11A	3.66E-21	9.99E-21	11A	3.21E-21	8.76E-21
MHU Zone	1 to	12 =	5.21E+04	2.71E+02	1B	1.49E-14	8.01E-12	1B	5.38E-15	2.90E-12	1B	-1.04E-30	-5.59E-28	1B	1.17E-28	6.30E-26	1B	8.66E-27	4.66E-24	1B	6.17E-09	3.32E-06	1B	4.80E-08	2.59E-05
MHU Zone	2 to	12 =	5.25E+04	2.73E+02	2B	-2.94E-11	-1.59E-08	2B	2.37E-12	1.29E-09	2B	2.39E-21	1.30E-18	2B	1.26E-17	6.82E-15	2B	3.59E-16	1.95E-13	2B	3.76E-09	2.04E-06	2B	2.89E-08	1.57E-05
MHU Zone	3 to	12 =	2.84E+04	1.48E+02	3B	6.53E-05	1.92E-02	3B	3.52E-06	1.04E-03	3B	4.25E-14	1.25E-11	3B	7.73E-11	2.27E-08	3B	1.24E-09	3.65E-07	3B	3.39E-06	9.97E-04	3B	1.93E-05	5.69E-03
MHU Zone	4 to	12 =	2.19E+04	1.14E+02	4B	1.12E-02	2.54E+00	4B	6.23E-04	1.41E-01	4B	2.80E-11	6.32E-09	4B	3.59E-08	8.12E-06	4B	4.56E-07	1.03E-04	4B	4.21E-04	9.52E-02	4B	2.29E-03	5.18E-01
MHU Zone	5 to	12 =	1.30E+03	6.75E+00	5B	4.52E-02	6.07E-01	5B	2.41E-03	3.24E-02	5B	8.79E-10	1.18E-08	5B	2.98E-06	4.00E-05	5B	5.19E-05	6.98E-04	5B	5.91E-03	7.94E-02	5B	2.90E-02	3.90E-01
MHU Zone	6 to	12 =	3.47E+02	1.80E+00	6B	2.71E-02	9.70E-02	6B	1.21E-03	4.33E-03	6B	1.08E-09	3.86E-09	6B	3.15E-06	1.13E-05	6B	6.09E-05	2.18E-04	6B	5.37E-03	1.93E-02	6B	2.13E-02	7.62E-02
MHU Zone	7 to	12 =	1.63E+04	8.46E+01	7B	1.91E-01	3.22E+01	7B	3.53E-02	5.95E+00	7B	8.34E-06	1.40E-03	7B	3.23E-03	5.43E-01	7B	2.05E-02	3.45E+00	7B	8.07E-02	1.36E+01	7B	5.08E-02	8.55E+00
MHU Zone	8 to	12 =	4.81E+04	2.50E+02	8B	5.80E-03	2.88E+00	8B	1.77E-03	8.78E-01	8B	2.50E-06	1.24E-03	8B	8.53E-04	4.24E-01	8B	5.13E-03	2.55E+00	8B	1.78E-02	8.86E+00	8B	6.79E-03	3.38E+00
MHU Zone	9 to	12 =	4.58E+04	2.38E+02	9B	1.57E-07	7.44E-05	9B	2.75E-08	1.30E-05	9B	1.11E-10	5.27E-08	9B	5.66E-08	2.68E-05	9B	5.61E-07	2.65E-04	9B	2.78E-06	1.32E-03	9B	1.16E-06	5.47E-04
MHU Zone	10 to	12 =	3.56E+04	1.85E+02	10B	3.62E-15	1.33E-12	10B	4.29E-16	1.58E-13	10B	4.64E-19	1.70E-16	10B	1.26E-15	4.62E-13	10B	3.17E-14	1.17E-11	10B	3.60E-13	1.33E-10	10B	2.08E-13	7.63E-11
MHU Zone	11 to	12 =	2.94E+04	1.53E+02	11B	8.18E-24	2.49E-21	11B	7.85E-25	2.38E-22	11B	6.39E-29	1.94E-26	11B	3.17E-24	9.64E-22	11B	2.25E-22	6.84E-20	11B	6.83E-21	2.08E-18	11B	5.45E-21	1.66E-18
DHU Zone	1 to	12 =	4.30E+04	2.24E+02	1C	8.83E-15	3.93E-12	1C	3.57E-15	1.59E-12	1C	8.32E-31	3.70E-28	1C	1.39E-28	6.20E-26	1C	9.78E-27	4.35E-24	1C	3.33E-09	1.48E-06	1C	2.60E-08	1.16E-05
DHU Zone	2 to	12 =	4.09E+04	2.12E+02	2C	4.80E-11	2.03E-08	2C	2.03E-12	8.58E-10	2C	3.04E-21	1.29E-18	2C	1.51E-17	6.38E-15	2C	4.22E-16	1.79E-13	2C	3.36E-09	1.42E-06	2C	2.59E-08	1.10E-05
DHU Zone	3 to	12 =	2.08E+04	1.08E+02	3C	5.06E-05	1.09E-02	3C	4.09E-06	8.81E-04	3C	4.66E-14	1.00E-11	3C	8.73E-11	1.88E-08	3C	1.39E-09	2.99E-07	3C	3.69E-06	7.95E-04	3C	2.31E-05	4.97E-03
DHU Zone	4 to	12 =	1.59E+04	8.25E+01	4C	8.21E-03	1.35E+00	4C	7.20E-04	1.18E-01	4C	2.95E-11	4.84E-09	4C	3.96E-08	6.50E-06	4C	4.95E-07	8.12E-05	4C	4.48E-04	7.35E-02	4C	2.81E-03	4.60E-01
DHU Zone	5 to	12 =	8.47E+02	4.40E+00	5C	2.32E-02	2.03E-01	5C	2.84E-03	2.48E-02	5C	8.17E-10	7.16E-09	5C	3.52E-06	3.09E-05	5C	6.04E-05	5.29E-04	5C	7.07E-03	6.19E-02	5C	3.91E-02	3.42E-01
DHU Zone	6 to	12 =	1.74E+02	9.06E-01	6C	1.54E-02	2.77E-02	6C	2.56E-03	4.61E-03	6C	1.63E-09	2.93E-09	6C	6.79E-06	1.22E-05	6C	1.30E-04	2.34E-04	6C	1.12E-02	2.02E-02	6C	5.77E-02	1.04E-01
DHU Zone	7 to	12 =	1.06E+04	5.52E+01	7C	1.42E-01	1.56E+01	7C	4.21E-02	4.63E+00	7C	7.59E-06	8.33E-04	7C	3.09E-03	3.40E-01	7C	1.99E-02	2.19E+00	7C	7.93E-02	8.71E+00	7C	5.59E-02	6.13E+00
DHU Zone	8 to	12 =	3.36E+04	1.75E+02	8C	4.31E-03	1.50E+00	8C	2.18E-03	7.59E-01	8C	2.23E-06	7.75E-04	8C	8.01E-04	2.78E-01	8C	4.89E-03	1.70E+00	8C	1.72E-02	5.97E+00	8C	6.67E-03	2.32E+00
DHU Zone	9 to	12 =	3.23E+04	1.68E+02	9C	1.25E-07	4.18E-05	9C	3.27E-08	1.09E-05	9C	1.12E-10	3.73E-08	9C	5.84E-08	1.95E-05	9C	5.85E-07	1.96E-04	9C	2.92E-06	9.76E-04	9C	1.22E-06	4.07E-04
DHU Zone	10 to	12 =	2.58E+04	1.34E+02	10C	2.81E-15	7.50E-13	10C	4.93E-16	1.31E-13	10C	5.05E-19	1.35E-16	10C	1.39E-15	3.71E-13	10C	3.53E-14	9.40E-12	10C	4.02E-13	1.07E-10	10C	2.31E-13	6.16E-11
DHU Zone	11 to	12 =	2.28E+04	1.18E+02	11C	7.45E-24	1.75E-21	11C	1.02E-24	2.41E-22	11C	8.39E-29	1.98E-26	11C	4.08E-24	9.60E-22	11C	2.87E-22	6.75E-20	11C	8.57E-21	2.02E-18	11C	6.80E-21	1.60E-18
			total mass discharge into the river adjacent to Site				5.71E+01 kg/yr			1.25E+01 kg/yr			4.26E-03 kg/yr			1.59E+00 kg/yr			9.89E+00 kg/yr			3.75E+01 kg/yr			2.23E+01 kg/yr
			Percent Capture by GMCS				92 %			85 %			32 %			29 %			27 %			43 %			80 %

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.1d
Calculation of Mass Flux - Sauget Area 1 Source Zone
Simulation time 2030

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.33E+02	3.29E+00	1A	1.87E-14	1.22E-13	1A	7.73E-15	5.06E-14	1A	-1.11E-27	-7.26E-27	1A	9.95E-31	6.51E-30	1A	2.64E-28	1.73E-27	1A	2.34E-08	1.53E-07	1A	1.83E-07	1.19E-06
SHU Zone	2 to	12 =	4.71E+02	2.45E+00	2A	4.78E-13	2.33E-12	2A	5.49E-14	2.67E-13	2A	-4.41E-21	-2.15E-20	2A	1.63E-19	7.93E-19	2A	6.63E-18	3.23E-17	2A	1.30E-08	6.32E-08	2A	9.98E-08	4.86E-07
SHU Zone	3 to	12 =	1.49E+02	7.72E-01	3A	1.19E-06	1.83E-06	3A	6.91E-08	1.06E-07	3A	1.48E-15	2.27E-15	3A	1.06E-12	1.63E-12	3A	2.43E-11	3.73E-11	3A	1.57E-07	2.41E-07	3A	9.53E-07	1.46E-06
SHU Zone	4 to	12 =	1.27E+02	6.57E-01	4A	4.88E-04	6.38E-04	4A	3.00E-05	3.93E-05	4A	9.07E-13	1.19E-12	4A	1.69E-09	2.21E-09	4A	2.82E-08	3.69E-08	4A	3.64E-05	4.76E-05	4A	2.04E-04	2.66E-04
SHU Zone	5 to	12 =	1.38E+02	7.19E-01	5A	3.03E-02	4.33E-02	5A	2.30E-03	3.30E-03	5A	7.97E-10	1.14E-09	5A	9.54E-07	1.36E-06	5A	1.16E-05	1.66E-05	5A	1.99E-03	2.84E-03	5A	1.06E-02	1.51E-02
SHU Zone	6 to	12 =	1.45E+02	7.56E-01	6A	2.96E-01	4.44E-01	6A	2.96E-02	4.44E-02	6A	3.36E-07	5.06E-07	6A	2.39E-04	3.59E-04	6A	1.99E-03	2.99E-03	6A	2.32E-02	3.49E-02	6A	6.94E-02	1.04E-01
SHU Zone	7 to	12 =	1.02E+02	5.30E-01	7A	4.38E-02	4.62E-02	7A	9.17E-03	9.67E-03	7A	1.81E-06	1.91E-06	7A	1.02E-03	1.07E-03	7A	7.68E-03	8.11E-03	7A	3.72E-02	3.93E-02	7A	2.38E-02	2.51E-02
SHU Zone	8 to	12 =	1.05E+02	5.43E-01	8A	5.51E-04	5.95E-04	8A	1.77E-04	1.91E-04	8A	2.61E-07	2.82E-07	8A	1.21E-04	1.31E-04	8A	8.23E-04	8.89E-04	8A	3.23E-03	3.49E-03	8A	1.29E-03	1.39E-03
SHU Zone	9 to	12 =	1.46E+02	7.60E-01	9A	1.46E-08	2.20E-08	9A	2.65E-09	4.01E-09	9A	7.68E-12	1.16E-11	9A	5.57E-09	8.42E-09	9A	7.18E-08	1.09E-07	9A	4.63E-07	7.00E-07	9A	2.17E-07	3.28E-07
SHU Zone	10 to	12 =	1.76E+02	9.13E-01	10A	2.29E-16	4.16E-16	10A	2.94E-17	5.33E-17	10A	2.02E-20	3.67E-20	10A	8.92E-17	1.62E-16	10A	3.11E-15	5.65E-15	10A	5.07E-14	9.21E-14	10A	3.36E-14	6.11E-14
SHU Zone	11 to	12 =	2.60E+02	1.35E+00	11A	7.54E-25	2.03E-24	11A	7.75E-26	2.08E-25	11A	-7.25E-29	-1.95E-28	11A	3.32E-25	8.91E-25	11A	3.16E-23	8.48E-23	11A	1.34E-21	3.60E-21	11A	1.19E-21	3.20E-21
MHU Zone	1 to	12 =	5.12E+04	2.66E+02	1B	1.92E-14	1.01E-11	1B	6.23E-15	3.29E-12	1B	4.98E-27	2.63E-24	1B	2.72E-30	1.44E-27	1B	2.68E-28	1.42E-25	1B	6.37E-09	3.37E-06	1B	4.96E-08	2.62E-05
MHU Zone	2 to	12 =	5.01E+04	2.60E+02	2B	2.37E-12	1.23E-09	2B	6.56E-14	3.39E-11	2B	-8.50E-21	-4.40E-18	2B	3.92E-19	2.03E-16	2B	1.23E-17	6.39E-15	2B	4.03E-09	2.09E-06	2B	3.10E-08	1.60E-05
MHU Zone	3 to	12 =	2.59E+04	1.35E+02	3B	4.43E-06	1.19E-03	3B	2.29E-07	6.15E-05	3B	-2.91E-15	-7.81E-13	3B	3.48E-12	9.33E-10	3B	6.05E-11	1.62E-08	3B	2.58E-07	6.91E-05	3B	1.50E-06	4.02E-04
MHU Zone	4 to	12 =	2.29E+04	1.19E+02	4B	1.87E-03	4.41E-01	4B	1.03E-04	2.43E-02	4B	5.29E-12	1.25E-09	4B	5.77E-09	1.36E-06	4B	7.26E-08	1.72E-05	4B	7.22E-05	1.70E-02	4B	3.99E-04	9.42E-02
MHU Zone	5 to	12 =	2.56E+04	1.33E+02	5B	1.31E-01	3.45E+01	5B	8.81E-03	2.33E+00	5B	4.68E-09	1.24E-06	5B	3.67E-06	9.70E-04	5B	3.20E-05	8.46E-03	5B	4.04E-03	1.07E+00	5B	2.12E-02	5.61E+00
MHU Zone	6 to	12 =	3.39E+04	1.76E+02	6B	1.13E+00	3.95E+02	6B	1.01E-01	3.53E+01	6B	1.74E-06	6.11E-04	6B	7.27E-04	2.55E-01	6B	4.68E-03	1.64E+00	6B	4.18E-02	1.46E+01	6B	1.25E-01	4.39E+01
MHU Zone	7 to	12 =	2.76E+04	1.43E+02	7B	1.75E-01	5.00E+01	7B	3.31E-02	9.42E+00	7B	9.87E-06	2.81E-03	7B	3.34E-03	9.51E-01	7B	1.99E-02	5.68E+00	7B	7.33E-02	2.09E+01	7B	4.29E-02	1.22E+01
MHU Zone	8 to	12 =	4.49E+04	2.33E+02	8B	1.88E-03	8.71E-01	8B	5.60E-04	2.60E-01	8B	1.07E-06	4.96E-04	8B	3.71E-04	1.72E-01	8B	2.23E-03	1.04E+00	8B	7.75E-03	3.60E+00	8B	2.88E-03	1.34E+00
MHU Zone	9 to	12 =	4.39E+04	2.28E+02	9B	4.63E-08	2.10E-05	9B	7.63E-09	3.47E-06	9B	3.09E-11	1.40E-08	9B	1.64E-08	7.45E-06	9B	1.72E-07	7.82E-05	9B	8.89E-07	4.04E-04	9B	3.74E-07	1.70E-04
MHU Zone	10 to	12 =	3.47E+04	1.80E+02	10B	1.13E-15	4.07E-13	10B	1.29E-16	4.65E-14	10B	1.32E-19	4.73E-17	10B	3.86E-16	1.39E-13	10B	1.03E-14	3.70E-12	10B	1.23E-13	4.40E-11	10B	7.16E-14	2.57E-11
MHU Zone	11 to	12 =	2.90E+04	1.51E+02	11B	2.69E-24	8.06E-22	11B	2.47E-25	7.41E-23	11B	3.66E-28	1.10E-25	11B	1.04E-24	3.11E-22	11B	7.85E-23	2.35E-20	11B	2.52E-21	7.53E-19	11B	2.04E-21	6.10E-19
DHU Zone	1 to	12 =	4.22E+04	2.19E+02	1C	1.08E-14	4.70E-12	1C	3.84E-15	1.68E-12	1C	-4.00E-27	-1.75E-24	1C	3.24E-30	1.41E-27	1C	2.81E-28	1.23E-25	1C	3.41E-09	1.49E-06	1C	2.67E-08	1.16E-05
DHU Zone	2 to	12 =	3.91E+04	2.03E+02	2C	1.54E-12	6.24E-10	2C	1.46E-13	5.91E-11	2C	6.40E-21	2.58E-18	2C	4.72E-19	1.91E-16	2C	1.46E-17	5.89E-15	2C	3.55E-09	1.43E-06	2C	2.75E-08	1.11E-05
DHU Zone	3 to	12 =	1.90E+04	9.88E+01	3C	3.38E-06	6.64E-04	3C	2.66E-07	5.23E-05	3C	3.75E-15	7.37E-13	3C	3.94E-12	7.74E-10	3C	6.81E-11	1.34E-08	3C	2.83E-07	5.55E-05	3C	1.77E-06	3.48E-04
DHU Zone	4 to	12 =	1.65E+04	8.59E+01	4C	1.38E-03	2.36E-01	4C	1.18E-04	2.02E-02	4C	5.19E-12	8.86E-10	4C	6.29E-09	1.08E-06	4C	7.85E-08	1.34E-05	4C	7.70E-05	1.32E-02	4C	4.80E-04	8.21E-02
DHU Zone	5 to	12 =	1.71E+04	8.91E+01	5C	1.02E-01	1.82E+01	5C	9.98E-03	1.77E+00	5C	4.87E-09	8.62E-07	5C	3.96E-06	7.01E-04	5C	3.41E-05	6.05E-03	5C	4.26E-03	7.54E-01	5C	2.56E-02	4.54E+00
DHU Zone	6 to	12 =	2.21E+04	1.15E+02	6C	8.57E-01	1.96E+02	6C	1.14E-01	2.61E+01	6C	1.62E-06	3.70E-04	6C	7.02E-04	1.60E-01	6C	4.55E-03	1.04E+00	6C	4.14E-02	9.44E+00	6C	1.55E-01	3.53E+01
DHU Zone	7 to	12 =	1.78E+04	9.24E+01	7C	1.37E-01	2.51E+01	7C	3.93E-02	7.22E+00	7C	8.98E-06	1.65E-03	7C	3.18E-03	5.84E-01	7C	1.92E-02	3.53E+00	7C	7.11E-02	1.31E+01	7C	4.63E-02	8.50E+00
DHU Zone	8 to	12 =	3.14E+04	1.63E+02	8C	1.38E-03	4.47E-01	8C	6.91E-04	2.24E-01	8C	9.54E-07	3.09E-04	8C	3.49E-04	1.13E-01	8C	2.13E-03	6.92E-01	8C	7.49E-03	2.43E+00	8C	2.82E-03	9.15E-01
DHU Zone	9 to	12 =	3.10E+04	1.61E+02	9C	3.66E-08	1.17E-05	9C	9.04E-09	2.90E-06	9C	3.12E-11	1.00E-08	9C	1.70E-08	5.45E-06	9C	1.81E-07	5.79E-05	9C	9.40E-07	3.01E-04	9C	3.96E-07	1.27E-04
DHU Zone	10 to	12 =	2.52E+04	1.31E+02	10C	8.71E-16	2.27E-13	10C	1.49E-16	3.87E-14	10C	1.43E-19	3.74E-17	10C	4.27E-16	1.11E-13	10C	1.15E-14	2.99E-12	10C	1.37E-13	3.56E-11	10C	7.99E-14	2.08E-11
DHU Zone	11 to	12 =	2.25E+04	1.17E+02	11C	2.42E-24	5.61E-22	11C	3.19E-25	7.40E-23	11C	-2.40E-28	-5.57E-26	11C	1.33E-24	3.09E-22	11C	1.00E-22	2.32E-20	11C	3.16E-21	7.32E-19	11C	2.54E-21	5.90E-19
						total mass going into the	kg/yr		7.20E+02	kg/yr		8.27E+01	kg/yr		6.25E-03	kg/yr		2.24E+00	kg/yr		1.36E+01	kg/yr		6.60E+01	kg/yr		1.13E+02	kg/y

APPENDIX 6.1e
Calculation of Mass Flux - Sauget Area 1 Source Zone
Simulation Time 2038

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.46E+02	3.35E+00	1A	9.30E-19	6.21E-18	1A	1.06E-18	7.09E-18	1A	-1.03E-32	-6.87E-32	1A	3.19E-29	2.13E-28	1A	2.81E-27	1.88E-26	1A	5.78E-10	3.86E-09	1A	4.89E-09	3.26E-08
SHU Zone	2 to	12 =	4.93E+02	2.56E+00	2A	-6.95E-12	-3.54E-11	2A	6.89E-13	3.51E-12	2A	-2.80E-23	-1.43E-22	2A	4.71E-18	2.40E-17	2A	1.64E-16	8.34E-16	2A	6.89E-10	3.51E-09	2A	5.74E-09	2.92E-08
SHU Zone	3 to	12 =	1.63E+02	8.47E-01	3A	1.65E-05	2.78E-05	3A	9.80E-07	1.65E-06	3A	7.10E-15	1.20E-14	3A	2.20E-11	3.71E-11	3A	4.62E-10	7.78E-10	3A	1.58E-06	2.66E-06	3A	9.21E-06	1.55E-05
SHU Zone	4 to	12 =	1.21E+02	6.29E-01	4A	2.75E-03	3.44E-03	4A	1.70E-04	2.12E-04	4A	4.96E-12	6.21E-12	4A	9.69E-09	1.21E-08	4A	1.65E-07	2.06E-07	4A	1.89E-04	2.37E-04	4A	1.05E-03	1.31E-03
SHU Zone	5 to	12 =	8.23E+00	4.28E-02	5A	6.93E-03	5.90E-04	5A	4.07E-04	3.46E-05	5A	7.42E-11	6.32E-12	5A	4.93E-07	4.19E-08	5A	1.22E-05	1.03E-06	5A	2.12E-03	1.81E-04	5A	1.11E-02	9.41E-04
SHU Zone	6 to	12 =	1.18E+00	6.14E-03	6A	4.81E-03	5.88E-05	6A	2.30E-04	2.80E-06	6A	1.16E-10	1.42E-12	6A	5.91E-07	7.21E-09	6A	1.57E-05	1.91E-07	6A	2.09E-03	2.56E-05	6A	9.06E-03	1.11E-04
SHU Zone	7 to	12 =	5.85E+01	3.04E-01	7A	3.38E-02	2.04E-02	7A	7.16E-03	4.33E-03	7A	1.04E-06	6.28E-07	7A	7.04E-04	4.26E-04	7A	5.90E-03	3.57E-03	7A	3.18E-02	1.93E-02	7A	2.20E-02	1.33E-02
SHU Zone	8 to	12 =	1.12E+02	5.83E-01	8A	1.56E-03	1.81E-03	8A	5.14E-04	5.97E-04	8A	5.44E-07	6.32E-07	8A	2.47E-04	2.86E-04	8A	1.68E-03	1.96E-03	8A	6.58E-03	7.64E-03	8A	2.69E-03	3.12E-03
SHU Zone	9 to	12 =	1.53E+02	7.93E-01	9A	4.58E-08	7.22E-08	9A	8.92E-09	1.41E-08	9A	2.46E-11	3.88E-11	9A	1.68E-08	2.64E-08	9A	2.09E-07	3.30E-07	9A	1.31E-06	2.06E-06	9A	6.08E-07	9.59E-07
SHU Zone	10 to	12 =	1.80E+02	9.35E-01	10A	6.66E-16	1.24E-15	10A	8.94E-17	1.66E-16	10A	6.62E-20	1.23E-19	10A	2.76E-16	5.13E-16	10A	8.98E-15	1.67E-14	10A	1.38E-13	2.57E-13	10A	9.04E-14	1.68E-13
SHU Zone	11 to	12 =	2.64E+02	1.37E+00	11A	2.31E-24	6.31E-24	11A	2.62E-25	7.16E-25	11A	2.25E-29	6.14E-29	11A	9.15E-25	2.50E-24	11A	8.29E-23	2.26E-22	11A	3.48E-21	9.50E-21	11A	3.12E-21	8.51E-21
MHU Zone	1 to	12 =	5.21E+04	2.71E+02	1B	6.09E-19	3.28E-16	1B	6.11E-19	3.29E-16	1B	1.31E-31	7.05E-29	1B	9.39E-29	5.06E-26	1B	6.24E-27	3.36E-24	1B	1.76E-10	9.50E-08	1B	1.49E-09	8.03E-07
MHU Zone	2 to	12 =	5.25E+04	2.73E+02	2B	1.05E-10	5.69E-08	2B	2.09E-12	1.13E-09	2B	5.62E-21	3.05E-18	2B	1.14E-17	6.16E-15	2B	3.16E-16	1.71E-13	2B	2.63E-10	1.43E-07	2B	2.19E-09	1.19E-06
MHU Zone	3 to	12 =	2.84E+04	1.48E+02	3B	5.72E-05	1.68E-02	3B	3.08E-06	9.07E-04	3B	3.78E-14	1.11E-11	3B	6.73E-11	1.98E-08	3B	1.11E-09	3.25E-07	3B	2.89E-06	8.49E-04	3B	1.65E-05	4.86E-03
MHU Zone	4 to	12 =	2.19E+04	1.14E+02	4B	9.80E-03	2.22E+00	4B	5.45E-04	1.23E-01	4B	2.11E-11	4.76E-09	4B	3.05E-08	6.90E-06	4B	4.00E-07	9.05E-05	4B	3.56E-04	8.06E-02	4B	1.94E-03	4.39E-01
MHU Zone	5 to	12 =	1.30E+03	6.76E+00	5B	4.00E-02	5.37E-01	5B	2.14E-03	2.87E-02	5B	7.30E-10	9.81E-09	5B	2.65E-06	3.56E-05	5B	4.57E-05	6.14E-04	5B	5.06E-03	6.80E-02	5B	2.53E-02	3.41E-01
MHU Zone	6 to	12 =	3.47E+02	1.80E+00	6B	2.40E-02	8.60E-02	6B	1.07E-03	3.83E-03	6B	8.99E-10	3.22E-09	6B	2.79E-06	9.99E-06	6B	5.25E-05	1.88E-04	6B	4.55E-03	1.63E-02	6B	1.94E-02	6.94E-02
MHU Zone	7 to	12 =	1.63E+04	8.47E+01	7B	1.66E-01	2.80E+01	7B	3.09E-02	5.20E+00	7B	7.04E-06	1.19E-03	7B	2.71E-03	4.57E-01	7B	1.74E-02	2.93E+00	7B	6.85E-02	1.15E+01	7B	4.32E-02	7.27E+00
MHU Zone	8 to	12 =	4.81E+04	2.50E+02	8B	5.04E-03	2.50E+00	8B	1.55E-03	7.71E-01	8B	2.12E-06	1.05E-03	8B	7.18E-04	3.57E-01	8B	4.35E-03	2.17E+00	8B	1.51E-02	7.51E+00	8B	5.78E-03	2.88E+00
MHU Zone	9 to	12 =	4.58E+04	2.38E+02	9B	1.41E-07	6.68E-05	9B	2.50E-08	1.18E-05	9B	9.63E-11	4.56E-08	9B	4.76E-08	2.25E-05	9B	4.82E-07	2.28E-04	9B	2.41E-06	1.14E-03	9B	1.01E-06	4.77E-04
MHU Zone	10 to	12 =	3.56E+04	1.85E+02	10B	3.24E-15	1.19E-12	10B	3.87E-16	1.42E-13	10B	4.37E-19	1.61E-16	10B	1.16E-15	4.28E-13	10B	2.95E-14	1.09E-11	10B	3.34E-13	1.23E-10	10B	1.92E-13	7.05E-11
MHU Zone	11 to	12 =	2.94E+04	1.53E+02	11B	8.04E-24	2.44E-21	11B	7.97E-25	2.42E-22	11B	1.01E-28	3.08E-26	11B	2.82E-24	8.57E-22	11B	2.00E-22	6.09E-20	11B	6.16E-21	1.87E-18	11B	4.95E-21	1.50E-18
DHU Zone	1 to	12 =	4.31E+04	2.24E+02	1C	5.71E-19	2.54E-16	1C	4.58E-19	2.04E-16	1C	-9.50E-32	-4.23E-29	1C	1.12E-28	4.99E-26	1C	7.33E-27	3.26E-24	1C	1.79E-10	7.96E-08	1C	1.52E-09	6.76E-07
DHU Zone	2 to	12 =	4.09E+04	2.13E+02	2C	1.17E-11	4.96E-09	2C	1.79E-12	7.58E-10	2C	-9.40E-23	-3.98E-20	2C	1.37E-17	5.77E-15	2C	3.73E-16	1.58E-13	2C	3.52E-10	1.49E-07	2C	2.93E-09	1.24E-06
DHU Zone	3 to	12 =	2.08E+04	1.08E+02	3C	4.41E-05	9.51E-03	3C	3.59E-06	7.73E-04	3C	2.90E-14	6.25E-12	3C	7.61E-11	1.64E-08	3C	1.24E-09	2.67E-07	3C	3.15E-06	6.78E-04	3C	1.97E-05	4.25E-03
DHU Zone	4 to	12 =	1.59E+04	8.25E+01	4C	7.16E-03	1.17E+00	4C	6.30E-04	1.03E-01	4C	2.94E-11	4.83E-09	4C	3.36E-08	5.52E-06	4C	4.34E-07	7.13E-05	4C	3.79E-04	6.22E-02	4C	2.37E-03	3.90E-01
DHU Zone	5 to	12 =	8.48E+02	4.40E+00	5C	2.05E-02	1.80E-01	5C	2.51E-03	2.20E-02	5C	6.88E-10	6.03E-09	5C	3.15E-06	2.76E-05	5C	5.29E-05	4.63E-04	5C	6.04E-03	5.29E-02	5C	3.42E-02	3.00E-01
DHU Zone	6 to	12 =	1.74E+02	9.06E-01	6C	1.36E-02	2.45E-02	6C	2.26E-03	4.08E-03	6C	1.36E-09	2.44E-09	6C	6.03E-06	1.09E-05	6C	1.11E-04	2.00E-04	6C	9.48E-03	1.71E-02	6C	5.22E-02	9.42E-02
DHU Zone	7 to	12 =	1.06E+04	5.52E+01	7C	1.24E-01	1.36E+01	7C	3.68E-02	4.05E+00	7C	6.41E-06	7.04E-04	7C	2.60E-03	2.86E-01	7C	1.69E-02	1.86E+00	7C	6.73E-02	7.39E+00	7C	4.74E-02	5.21E+00
DHU Zone	8 to	12 =	3.36E+04	1.75E+02	8C	3.74E-03	1.30E+00	8C	1.91E-03	6.66E-01	8C	1.89E-06	6.58E-04	8C	6.74E-04	2.34E-01	8C	4.15E-03	1.44E+00	8C	1.46E-02	5.06E+00	8C	5.68E-03	1.97E+00
DHU Zone	9 to	12 =	3.23E+04	1.68E+02	9C	1.13E-07	3.76E-05	9C	2.97E-08	9.94E-06	9C	9.67E-11	3.23E-08	9C	4.91E-08	1.64E-05	9C	5.03E-07	1.68E-04	9C	2.53E-06	8.45E-04	9C	1.06E-06	3.54E-04
DHU Zone	10 to	12 =	2.58E+04	1.34E+02	10C	2.52E-15	6.72E-13	10C	4.44E-16	1.19E-13	10C	4.75E-19	1.27E-16	10C	1.29E-15	3.44E-13	10C	3.29E-14	8.77E-12	10C	3.72E-13	9.93E-11	10C	2.13E-13	5.69E-11
DHU Zone	11 to	12 =	2.28E+04	1.18E+02	11C	7.25E-24	1.71E-21	11C	1.04E-24	2.44E-22	11C	1.32E-28	3.12E-26	11C	3.63E-24	8.54E-22	11C	2.55E-22	6.01E-20	11C	7.70E-21	1.81E-18	11C	6.15E-21	1.45E-18
						total mass discharge into the river adjacent to Site		4.96E+01 kg/yr		1.10E+01 kg/yr			3.60E-03 kg/yr			1.33E+00 kg/yr			8.41E+00 kg/yr			3.18E+01 kg/yr			1.90E+01 kg/yr
						Percent Capture by GMCS		92 %		85 %			32 %			29 %			27 %			43 %			80 %

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.1e
Calculation of Mass Flux - Sauget Area 1 Source Zone
Simulation Time 2038

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.33E+02	3.29E+00	1A	2.15E-18	1.41E-17	1A	1.77E-18	1.16E-17	1A	-1.80E-34	-1.18E-33	1A	7.24E-31	4.74E-30	1A	7.13E-29	4.67E-28	1A	5.96E-10	3.90E-09	1A	5.04E-09	3.30E-08
SHU Zone	2 to	12 =	4.71E+02	2.45E+00	2A	2.74E-12	1.33E-11	2A	1.96E-13	9.53E-13	2A	2.26E-23	1.10E-22	2A	1.43E-19	6.95E-19	2A	5.46E-18	2.66E-17	2A	7.24E-10	3.53E-09	2A	6.05E-09	2.95E-08
SHU Zone	3 to	12 =	1.49E+02	7.73E-01	3A	1.03E-06	1.58E-06	3A	6.22E-08	9.56E-08	3A	2.99E-16	4.60E-16	3A	9.47E-13	1.46E-12	3A	2.15E-11	3.31E-11	3A	1.15E-07	1.76E-07	3A	6.81E-07	1.05E-06
SHU Zone	4 to	12 =	1.27E+02	6.58E-01	4A	4.26E-04	5.58E-04	4A	2.65E-05	3.47E-05	4A	8.09E-13	1.06E-12	4A	1.47E-09	1.93E-09	4A	2.51E-08	3.28E-08	4A	3.12E-05	4.08E-05	4A	1.76E-04	2.30E-04
SHU Zone	5 to	12 =	1.38E+02	7.19E-01	5A	2.64E-02	3.78E-02	5A	2.03E-03	2.91E-03	5A	6.69E-10	9.58E-10	5A	8.10E-07	1.16E-06	5A	1.02E-05	1.45E-05	5A	1.71E-03	2.44E-03	5A	9.15E-03	1.31E-02
SHU Zone	6 to	12 =	1.45E+02	7.56E-01	6A	2.55E-01	3.84E-01	6A	2.58E-02	3.88E-02	6A	2.86E-07	4.30E-07	6A	2.03E-04	3.06E-04	6A	1.72E-03	2.59E-03	6A	2.00E-02	3.01E-02	6A	5.98E-02	8.99E-02
SHU Zone	7 to	12 =	1.02E+02	5.31E-01	7A	3.80E-02	4.01E-02	7A	8.08E-03	8.53E-03	7A	1.54E-06	1.63E-06	7A	8.61E-04	9.09E-04	7A	6.62E-03	6.99E-03	7A	3.23E-02	3.41E-02	7A	2.07E-02	2.18E-02
SHU Zone	8 to	12 =	1.05E+02	5.43E-01	8A	4.80E-04	5.19E-04	8A	1.57E-04	1.70E-04	8A	2.23E-07	2.41E-07	8A	1.02E-04	1.10E-04	8A	7.02E-04	7.59E-04	8A	2.76E-03	2.99E-03	8A	1.11E-03	1.20E-03
SHU Zone	9 to	12 =	1.46E+02	7.60E-01	9A	1.31E-08	1.98E-08	9A	2.43E-09	3.68E-09	9A	6.73E-12	1.02E-11	9A	4.74E-09	7.16E-09	9A	6.29E-08	9.51E-08	9A	4.11E-07	6.21E-07	9A	1.94E-07	2.93E-07
SHU Zone	10 to	12 =	1.76E+02	9.13E-01	10A	2.03E-16	3.68E-16	10A	2.66E-17	4.83E-17	10A	1.84E-20	3.34E-20	10A	8.35E-17	1.52E-16	10A	2.87E-15	5.21E-15	10A	4.62E-14	8.40E-14	10A	3.06E-14	5.56E-14
SHU Zone	11 to	12 =	2.60E+02	1.35E+00	11A	7.68E-25	2.06E-24	11A	8.44E-26	2.27E-25	11A	6.47E-30	1.74E-29	11A	2.95E-25	7.94E-25	11A	2.86E-23	7.68E-23	11A	1.27E-21	3.41E-21	11A	1.15E-21	3.09E-21
MHU Zone	1 to	12 =	5.12E+04	2.66E+02	1B	1.26E-18	6.67E-16	1B	1.01E-18	5.32E-16	1B	-3.65E-33	-1.93E-30	1B	2.15E-30	1.14E-27	1B	1.59E-28	8.41E-26	1B	1.81E-10	9.55E-08	1B	1.53E-09	8.09E-07
MHU Zone	2 to	12 =	5.01E+04	2.60E+02	2B	-3.40E-12	-1.76E-09	2B	-5.07E-13	-2.62E-10	2B	-1.43E-25	-7.38E-23	2B	3.53E-19	1.83E-16	2B	1.07E-17	5.56E-15	2B	2.72E-10	1.41E-07	2B	2.28E-09	1.18E-06
MHU Zone	3 to	12 =	2.59E+04	1.35E+02	3B	3.82E-06	1.03E-03	3B	1.94E-07	5.20E-05	3B	1.47E-15	3.94E-13	3B	3.05E-12	8.18E-10	3B	5.41E-11	1.45E-08	3B	2.15E-07	5.76E-05	3B	1.25E-06	3.35E-04
MHU Zone	4 to	12 =	2.29E+04	1.19E+02	4B	1.63E-03	3.84E-01	4B	9.09E-05	2.15E-02	4B	4.17E-12	9.85E-10	4B	4.90E-09	1.16E-06	4B	6.35E-08	1.50E-05	4B	6.09E-05	1.44E-02	4B	3.37E-04	7.96E-02
MHU Zone	5 to	12 =	2.56E+04	1.33E+02	5B	1.13E-01	2.98E+01	5B	7.71E-03	2.04E+00	5B	3.99E-09	1.05E-06	5B	3.05E-06	8.06E-04	5B	2.74E-05	7.25E-03	5B	3.40E-03	8.98E-01	5B	1.79E-02	4.73E+00
MHU Zone	6 to	12 =	3.39E+04	1.76E+02	6B	9.64E-01	3.38E+02	6B	8.70E-02	3.05E+01	6B	1.48E-06	5.20E-04	6B	6.11E-04	2.14E-01	6B	3.98E-03	1.39E+00	6B	3.53E-02	1.24E+01	6B	1.06E-01	3.70E+01
MHU Zone	7 to	12 =	2.76E+04	1.43E+02	7B	1.51E-01	4.31E+01	7B	2.89E-02	8.23E+00	7B	8.40E-06	2.39E-03	7B	2.80E-03	7.99E-01	7B	1.69E-02	4.81E+00	7B	6.20E-02	1.77E+01	7B	3.63E-02	1.04E+01
MHU Zone	8 to	12 =	4.49E+04	2.33E+02	8B	1.63E-03	7.56E-01	8B	4.95E-04	2.30E-01	8B	9.11E-07	4.23E-04	8B	3.12E-04	1.45E-01	8B	1.89E-03	8.80E-01	8B	6.56E-03	3.05E+00	8B	2.45E-03	1.14E+00
MHU Zone	9 to	12 =	4.39E+04	2.28E+02	9B	4.15E-08	1.88E-05	9B	6.99E-09	3.17E-06	9B	2.70E-11	1.23E-08	9B	1.38E-08	6.26E-06	9B	1.48E-07	6.71E-05	9B	7.69E-07	3.49E-04	9B	3.26E-07	1.48E-04
MHU Zone	10 to	12 =	3.47E+04	1.80E+02	10B	1.02E-15	3.66E-13	10B	1.17E-16	4.20E-14	10B	1.22E-19	4.39E-17	10B	3.58E-16	1.29E-13	10B	9.59E-15	3.44E-12	10B	1.13E-13	4.07E-11	10B	6.58E-14	2.36E-11
MHU Zone	11 to	12 =	2.90E+04	1.51E+02	11B	2.68E-24	8.03E-22	11B	2.57E-25	7.69E-23	11B	2.97E-29	8.91E-27	11B	9.19E-25	2.75E-22	11B	6.96E-23	2.08E-20	11B	2.25E-21	6.75E-19	11B	1.84E-21	5.51E-19
DHU Zone	1 to	12 =	4.23E+04	2.20E+02	1C	1.20E-18	5.26E-16	1C	7.17E-19	3.13E-16	1C	2.96E-33	1.29E-30	1C	2.57E-30	1.12E-27	1C	1.87E-28	8.16E-26	1C	1.82E-10	7.93E-08	1C	1.54E-09	6.74E-07
DHU Zone	2 to	12 =	3.91E+04	2.03E+02	2C	5.04E-12	2.04E-09	2C	6.10E-13	2.46E-10	2C	9.86E-23	3.98E-20	2C	4.26E-19	1.72E-16	2C	1.27E-17	5.15E-15	2C	3.67E-10	1.48E-07	2C	3.08E-09	1.24E-06
DHU Zone	3 to	12 =	1.90E+04	9.88E+01	3C	2.93E-06	5.76E-04	3C	2.37E-07	4.66E-05	3C	1.65E-15	3.25E-13	3C	3.46E-12	6.80E-10	3C	6.09E-11	1.20E-08	3C	2.37E-07	4.65E-05	3C	1.48E-06	2.92E-04
DHU Zone	4 to	12 =	1.65E+04	8.59E+01	4C	1.20E-03	2.05E-01	4C	1.04E-04	1.78E-02	4C	4.35E-12	7.44E-10	4C	5.34E-09	9.14E-07	4C	6.87E-08	1.17E-05	4C	6.50E-05	1.11E-02	4C	4.05E-04	6.93E-02
DHU Zone	5 to	12 =	1.71E+04	8.91E+01	5C	8.86E-02	1.57E+01	5C	8.73E-03	1.55E+00	5C	4.11E-09	7.28E-07	5C	3.29E-06	5.83E-04	5C	2.92E-05	5.18E-03	5C	3.58E-03	6.34E-01	5C	2.15E-02	3.81E+00
DHU Zone	6 to	12 =	2.21E+04	1.15E+02	6C	7.34E-01	1.67E+02	6C	9.88E-02	2.25E+01	6C	1.38E-06	3.14E-04	6C	5.90E-04	1.35E-01	6C	3.87E-03	8.83E-01	6C	3.49E-02	7.96E+00	6C	1.30E-01	2.97E+01
DHU Zone	7 to	12 =	1.78E+04	9.24E+01	7C	1.18E-01	2.16E+01	7C	3.42E-02	6.30E+00	7C	7.64E-06	1.41E-03	7C	2.67E-03	4.91E-01	7C	1.63E-02	2.99E+00	7C	6.01E-02	1.10E+01	7C	3.91E-02	7.20E+00
DHU Zone	8 to	12 =	3.14E+04	1.63E+02	8C	1.20E-03	3.88E-01	8C	6.10E-04	1.98E-01	8C	8.14E-07	2.64E-04	8C	2.93E-04	9.50E-02	8C	1.81E-03	5.87E-01	8C	6.34E-03	2.06E+00	8C	2.40E-03	7.79E-01
DHU Zone	9 to	12 =	3.10E+04	1.61E+02	9C	3.28E-08	1.05E-05	9C	8.29E-09	2.66E-06	9C	2.73E-11	8.75E-09	9C	1.43E-08	4.58E-06	9C	1.55E-07	4.98E-05	9C	8.14E-07	2.61E-04	9C	3.45E-07	1.11E-04
DHU Zone	10 to	12 =	2.52E+04	1.31E+02	10C	7.70E-16	2.01E-13	10C	1.34E-16	3.50E-14	10C	1.35E-19	3.51E-17	10C	3.97E-16	1.03E-13	10C	1.07E-14	2.79E-12	10C	1.27E-13	3.30E-11	10C	7.35E-14	1.91E-11
DHU Zone	11 to	12 =	2.25E+04	1.17E+02	11C	2.38E-24	5.53E-22	11C	3.38E-25	7.84E-23	11C	3.78E-29	8.77E-27	11C	1.18E-24	2.74E-22	11C	8.85E-23	2.05E-20	11C	2.82E-21	6.55E-19	11C	2.28E-21	5.30E-19
			total mass going into the		kg/yr		6.18E+02	kg/yr		7.17E+01	kg/yr		5.32E-03	kg/yr		1.88E+00	kg/yr		1.16E+01	kg/yr		5.58E+01	kg/yr		9.49E+01	kg/y

GSI ENVIRONMENTAL

APPENDIX 6.2
GROUNDWATER FATE AND TRANSPORT MODEL MASS FLUX RESULTS
Sauget Area 2 Source Zones

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

	Mass Discharge to River Along Site With GMCS *OFF* (kg/yr)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	18,458	6,491	346	11,621	0	0	0	0
2010	17,521	6,160	330	11,030	0	0	0	0
2020	24,523	8,835	455	15,234	0	0	0	0
2030	20,754	7,477	387	12,891	0	0	0	0
2038	17,452	6,289	321	10,843	0	0	0	0

	Mass Discharge to River Along Site With GMCS *ON* (kg/yr)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	321	200	8	114	0	0	0	0
2010	230	143	4	83	0	0	0	0
2020	377	242	6	129	0	0	0	0
2030	320	205	5	109	0	0	0	0
2038	269	173	4	92	0	0	0	0

	Percent Capture by GMCS (%)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	98	97	98	99	-	-	-	-
2010	99	98	99	99	-	-	-	-
2020	98	97	99	99	-	-	-	-
2030	98	97	99	99	-	-	-	-
2038	98	97	99	99	-	-	-	-

APPENDIX 6.2a
Calculation of Mass Flux - Sauget Area 2 Source Zone
Simulation time 2006

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.11E+02	1.62E+00	1A	6.23E-07	2.00E-06	1A	4.32E-16	1.39E-15	1A	5.52E-19	1.78E-18	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	2.74E+02	1.42E+00	2A	1.27E-04	3.60E-04	2A	6.96E-13	1.97E-12	2A	9.33E-14	2.64E-13	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	9.72E+01	5.05E-01	3A	4.46E-03	4.48E-03	3A	7.86E-06	7.90E-06	3A	4.31E-05	4.33E-05	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	7.19E+01	3.74E-01	4A	2.25E-01	1.67E-01	4A	4.38E-03	3.25E-03	4A	4.34E-02	3.23E-02	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	5.42E+00	2.81E-02	5A	1.08E+00	6.06E-02	5A	1.77E-02	9.90E-04	5A	1.16E-01	6.52E-03	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	8.98E-01	4.67E-03	6A	2.70E-01	2.51E-03	6A	2.04E-02	1.90E-04	6A	1.89E-01	1.75E-03	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	4.05E+01	2.10E-01	7A	4.16E-02	1.74E-02	7A	7.53E-03	3.15E-03	7A	9.40E-02	3.94E-02	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	8.19E+01	4.26E-01	8A	1.38E-05	1.17E-05	8A	2.37E-06	2.01E-06	8A	1.99E-05	1.68E-05	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.22E+02	6.31E-01	9A	6.85E-15	8.60E-15	9A	1.11E-15	1.40E-15	9A	1.69E-15	2.12E-15	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.52E+02	7.90E-01	10A	1.05E-24	1.65E-24	10A	1.57E-25	2.46E-25	10A	8.81E-27	1.38E-26	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.32E+02	1.20E+00	11A	4.89E-34	1.17E-33	11A	6.50E-35	1.56E-34	11A	1.59E-37	3.80E-37	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	2.54E+04	1.32E+02	1B	2.00E-06	5.23E-04	1B	9.86E-16	2.58E-13	1B	1.32E-18	3.47E-16	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	2.99E+04	1.55E+02	2B	6.10E-05	1.89E-02	2B	5.48E-13	1.69E-10	2B	8.80E-13	2.72E-10	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	1.69E+04	8.80E+01	3B	6.84E-03	1.20E+00	3B	1.56E-05	2.73E-03	3B	1.01E-04	1.77E-02	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	1.30E+04	6.74E+01	4B	8.37E-01	1.12E+02	4B	8.93E-03	1.20E+00	4B	1.52E-01	2.04E+01	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	8.04E+02	4.17E+00	5B	3.03E+00	2.52E+01	5B	3.82E-02	3.17E-01	5B	6.27E-01	5.21E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	2.65E+02	1.38E+00	6B	6.61E-01	1.81E+00	6B	3.72E-02	1.02E-01	6B	6.19E-01	1.69E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	1.14E+04	5.91E+01	7B	1.36E-01	1.60E+01	7B	1.94E-02	2.28E+00	7B	5.84E-01	6.86E+01	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	3.55E+04	1.85E+02	8B	3.31E-05	1.22E-02	8B	5.08E-06	1.87E-03	8B	5.11E-05	1.88E-02	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	3.67E+04	1.91E+02	9B	4.48E-14	1.70E-11	9B	7.02E-15	2.66E-12	9B	1.71E-14	6.50E-12	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.00E+04	1.56E+02	10B	6.86E-24	2.13E-21	10B	9.41E-25	2.92E-22	10B	9.04E-26	2.80E-23	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.58E+04	1.34E+02	11B	1.92E-33	5.12E-31	11B	2.22E-34	5.91E-32	11B	7.82E-37	2.08E-34	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	2.09E+04	1.09E+02	1C	1.40E-06	3.04E-04	1C	1.27E-15	2.74E-13	1C	1.60E-18	3.46E-16	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	2.33E+04	1.21E+02	2C	4.34E-05	1.04E-02	2C	5.62E-13	1.35E-10	2C	8.90E-13	2.14E-10	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	1.24E+04	6.44E+01	3C	6.75E-03	8.65E-01	3C	2.02E-05	2.59E-03	3C	6.84E-05	8.77E-03	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	9.40E+03	4.88E+01	4C	2.88E-01	2.80E+01	4C	1.14E-02	1.11E+00	4C	5.10E-02	4.96E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	5.13E+02	2.67E+00	5C	7.85E-01	4.16E+00	5C	6.44E-02	3.41E-01	5C	2.14E-01	1.14E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.29E+02	6.69E-01	6C	3.41E-01	4.53E-01	6C	7.40E-02	9.85E-02	6C	1.50E-01	2.00E-01	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	7.41E+03	3.85E+01	7C	1.28E-01	9.82E+00	7C	2.77E-02	2.12E+00	7C	1.46E-01	1.12E+01	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	2.48E+04	1.29E+02	8C	3.09E-05	7.92E-03	8C	7.08E-06	1.82E-03	8C	2.95E-05	7.57E-03	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	2.59E+04	1.35E+02	9C	4.48E-14	1.20E-11	9C	9.20E-15	2.46E-12	9C	1.96E-14	5.25E-12	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.18E+04	1.13E+02	10C	5.57E-24	1.25E-21	10C	1.12E-24	2.51E-22	10C	9.96E-26	2.24E-23	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.00E+04	1.04E+02	11C	1.75E-33	3.62E-31	11C	2.97E-34	6.13E-32	11C	1.05E-36	2.16E-34	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00

total mass discharge into the river adjacent to Site	2.00E+02 kg/yr	7.58E+00 kg/yr	1.14E+02 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr
Percent Capture by GMCS	97 %	98 %	99 %	0 %	0 %	0 %	0 %

APPENDIX 6.2a
Calculation of Mass Flux - Sauget Area 2 Source Zone
Simulation time 2006

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.13E+02	1.63E+00	1A	5.52E-07	1.79E-06	1A	4.09E-16	1.32E-15	1A	5.19E-19	1.68E-18	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	2.76E+02	1.43E+00	2A	1.24E-04	3.52E-04	2A	6.67E-13	1.90E-12	2A	5.63E-15	1.60E-14	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	9.78E+01	5.08E-01	3A	1.73E-03	1.75E-03	3A	4.05E-07	4.09E-07	3A	1.67E-06	1.68E-06	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	8.70E+01	4.52E-01	4A	6.12E-01	5.50E-01	4A	2.50E-03	2.24E-03	4A	4.35E-02	3.91E-02	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	9.84E+01	5.11E-01	5A	3.05E+00	3.10E+00	5A	6.13E-02	6.24E-02	5A	1.78E+00	1.81E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.07E+02	5.55E-01	6A	9.39E-01	1.04E+00	6A	8.32E-02	9.18E-02	6A	3.27E+00	3.61E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	7.87E+01	4.09E-01	7A	2.08E-01	1.69E-01	7A	3.23E-02	2.63E-02	7A	1.07E+00	8.70E-01	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	8.35E+01	4.34E-01	8A	8.16E-07	7.04E-07	8A	1.24E-07	1.07E-07	8A	1.08E-06	9.29E-07	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.22E+02	6.34E-01	9A	3.20E-15	4.03E-15	9A	5.32E-16	6.71E-16	9A	5.01E-16	6.32E-16	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.53E+02	7.93E-01	10A	8.79E-25	1.39E-24	10A	1.30E-25	2.04E-25	10A	5.89E-27	9.28E-27	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.32E+02	1.21E+00	11A	4.56E-34	1.09E-33	11A	6.04E-35	1.45E-34	11A	1.41E-37	3.38E-37	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	2.55E+04	1.32E+02	1B	1.84E-06	4.84E-04	1B	9.97E-16	2.62E-13	1B	1.37E-18	3.60E-16	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	3.00E+04	1.56E+02	2B	6.16E-05	1.91E-02	2B	1.79E-13	5.55E-11	2B	2.20E-14	6.81E-12	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	1.70E+04	8.85E+01	3B	1.78E-03	3.13E-01	3B	1.64E-06	2.88E-04	3B	1.13E-05	1.99E-03	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	1.57E+04	8.13E+01	4B	3.07E+00	4.97E+02	4B	1.09E-02	1.76E+00	4B	3.06E-01	4.96E+01	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	1.82E+04	9.47E+01	5B	1.71E+01	3.22E+03	5B	2.94E-01	5.54E+01	5B	1.48E+01	2.79E+03	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	2.52E+04	1.31E+02	6B	4.42E+00	1.15E+03	6B	3.45E-01	8.99E+01	6B	2.24E+01	5.84E+03	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	2.14E+04	1.11E+02	7B	9.93E-01	2.19E+02	7B	1.36E-01	3.01E+01	7B	7.33E+00	1.62E+03	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	2.83E-06	1.06E-03	8B	3.95E-07	1.48E-04	8B	4.63E-06	1.73E-03	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	3.68E+04	1.91E+02	9B	1.05E-14	4.00E-12	9B	1.58E-15	6.03E-13	9B	2.19E-15	8.35E-13	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.01E+04	1.56E+02	10B	5.73E-24	1.78E-21	10B	7.73E-25	2.40E-22	10B	5.88E-26	1.83E-23	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.59E+04	1.34E+02	11B	1.79E-33	4.80E-31	11B	2.06E-34	5.50E-32	11B	6.92E-37	1.85E-34	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	2.10E+04	1.09E+02	1C	1.29E-06	2.80E-04	1C	1.29E-15	2.79E-13	1C	1.66E-18	3.59E-16	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	2.34E+04	1.21E+02	2C	4.43E-05	1.07E-02	2C	9.53E-14	2.30E-11	2C	2.26E-14	5.46E-12	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	1.25E+04	6.48E+01	3C	1.44E-03	1.86E-01	3C	1.85E-06	2.38E-04	3C	6.43E-06	8.29E-04	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.13E+04	5.88E+01	4C	7.87E-01	9.21E+01	4C	1.29E-02	1.51E+00	4C	8.46E-02	9.91E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	1.22E+04	6.34E+01	5C	4.86E+00	6.14E+02	5C	4.12E-01	5.20E+01	5C	3.35E+00	4.22E+02	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.64E+04	8.53E+01	6C	3.25E+00	5.51E+02	6C	5.11E-01	8.66E+01	6C	3.96E+00	6.71E+02	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.38E+04	7.16E+01	7C	9.85E-01	1.40E+02	7C	2.02E-01	2.88E+01	7C	1.49E+00	2.13E+02	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	2.53E+04	1.31E+02	8C	2.59E-06	6.78E-04	8C	5.55E-07	1.45E-04	8C	2.61E-06	6.83E-04	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	2.60E+04	1.35E+02	9C	9.97E-15	2.68E-12	9C	2.06E-15	5.53E-13	9C	2.38E-15	6.38E-13	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.18E+04	1.13E+02	10C	4.62E-24	1.04E-21	10C	9.15E-25	2.07E-22	10C	6.46E-26	1.46E-23	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.00E+04	1.04E+02	11C	1.63E-33	3.37E-31	11C	2.75E-34	5.70E-32	11C	9.26E-37	1.92E-34	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00
						total mass going into the	kg/yr		6.49E+03	kg/yr		3.46E+02	kg/yr		1.16E+04	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr

APPENDIX 6.2b
Calculation of Mass Flux - Sauget Area 2 Source Zone
Simulation time 2010

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.15E+02	1.64E+00	1A	3.57E-08	1.16E-07	1A	1.32E-17	4.30E-17	1A	1.20E-21	3.91E-21	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	2.79E+02	1.45E+00	2A	9.25E-07	2.66E-06	2A	7.89E-14	2.27E-13	2A	2.93E-14	8.44E-14	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	9.96E+01	5.18E-01	3A	3.69E-04	3.80E-04	3A	3.27E-07	3.37E-07	3A	7.43E-07	7.65E-07	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	7.43E+01	3.86E-01	4A	1.31E-01	1.00E-01	4A	9.51E-04	7.30E-04	4A	1.27E-02	9.74E-03	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	5.56E+00	2.89E-02	5A	3.50E-01	2.01E-02	5A	4.85E-03	2.79E-04	5A	6.25E-02	3.59E-03	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	9.18E-01	4.77E-03	6A	5.36E-02	5.08E-04	6A	2.10E-03	1.99E-05	6A	3.07E-02	2.92E-04	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	4.17E+01	2.17E-01	7A	1.42E-02	6.10E-03	7A	2.28E-03	9.83E-04	7A	4.76E-02	2.05E-02	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	8.36E+01	4.35E-01	8A	3.23E-07	2.79E-07	8A	5.04E-08	4.36E-08	8A	3.51E-07	3.04E-07	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.23E+02	6.39E-01	9A	2.65E-14	3.36E-14	9A	4.13E-15	5.25E-15	9A	3.18E-15	4.05E-15	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.53E+02	7.96E-01	10A	1.37E-23	2.16E-23	10A	2.92E-24	4.63E-24	10A	5.54E-25	8.77E-25	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.33E+02	1.21E+00	11A	1.34E-33	3.22E-33	11A	1.90E-34	4.58E-34	11A	1.33E-36	3.20E-36	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	2.56E+04	1.33E+02	1B	2.47E-08	6.53E-06	1B	5.23E-18	1.38E-15	1B	6.36E-22	1.68E-19	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	3.04E+04	1.58E+02	2B	1.77E-07	5.54E-05	2B	1.27E-13	3.99E-11	2B	8.69E-14	2.73E-11	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	1.74E+04	9.02E+01	3B	1.16E-03	2.07E-01	3B	8.96E-07	1.61E-04	3B	4.60E-06	8.25E-04	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	1.34E+04	6.95E+01	4B	6.23E-01	8.62E+01	4B	4.05E-03	5.61E-01	4B	9.02E-02	1.25E+01	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	8.29E+02	4.31E+00	5B	1.55E+00	1.32E+01	5B	2.00E-02	1.71E-01	5B	5.19E-01	4.45E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	2.71E+02	1.41E+00	6B	2.16E-01	6.07E-01	6B	5.88E-03	1.65E-02	6B	2.16E-01	6.06E-01	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	1.17E+04	6.08E+01	7B	8.76E-02	1.06E+01	7B	1.20E-02	1.46E+00	7B	4.47E-01	5.40E+01	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	1.07E-06	4.03E-04	8B	1.48E-07	5.55E-05	8B	1.51E-06	5.65E-04	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	3.71E+04	1.93E+02	9B	4.55E-14	1.75E-11	9B	5.28E-15	2.02E-12	9B	7.35E-15	2.82E-12	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.02E+04	1.57E+02	10B	1.12E-22	3.50E-20	10B	2.08E-23	6.50E-21	10B	5.30E-24	1.65E-21	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.59E+04	1.35E+02	11B	5.44E-33	1.46E-30	11B	7.04E-34	1.89E-31	11B	7.52E-36	2.02E-33	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	2.11E+04	1.10E+02	1C	1.52E-08	3.32E-06	1C	3.73E-18	8.14E-16	1C	4.79E-22	1.05E-19	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	2.36E+04	1.23E+02	2C	6.63E-08	1.62E-05	2C	1.50E-13	3.65E-11	2C	9.18E-14	2.24E-11	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	1.27E+04	6.60E+01	3C	1.15E-03	1.52E-01	3C	9.47E-07	1.24E-04	3C	2.63E-06	3.46E-04	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	9.70E+03	5.04E+01	4C	2.20E-01	2.21E+01	4C	4.67E-03	4.68E-01	4C	2.45E-02	2.45E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	5.30E+02	2.75E+00	5C	6.04E-01	3.31E+00	5C	3.18E-02	1.74E-01	5C	2.08E-01	1.14E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.32E+02	6.88E-01	6C	8.59E-02	1.18E-01	6C	1.70E-02	2.33E-02	6C	3.65E-02	5.00E-02	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	7.62E+03	3.96E+01	7C	8.16E-02	6.42E+00	7C	1.74E-02	1.37E+00	7C	9.95E-02	7.83E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	2.53E+04	1.32E+02	8C	9.45E-07	2.47E-04	8C	2.05E-07	5.37E-05	8C	8.30E-07	2.17E-04	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	2.62E+04	1.36E+02	9C	4.17E-14	1.13E-11	9C	6.55E-15	1.77E-12	9C	7.74E-15	2.09E-12	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.19E+04	1.14E+02	10C	9.33E-23	2.12E-20	10C	2.47E-23	5.60E-21	10C	5.76E-24	1.31E-21	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.01E+04	1.04E+02	11C	5.03E-33	1.04E-30	11C	9.47E-34	1.97E-31	11C	1.01E-35	2.09E-33	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00

total mass discharge into the river adjacent to Site	1.43E+02 kg/yr	4.25E+00 kg/yr	8.30E+01 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr
Percent Capture by GMCS	98 %	99 %	99 %	0 %	0 %	0 %	0 %

APPENDIX 6.2b
Calculation of Mass Flux - Sauget Area 2 Source Zone
Simulation time 2010

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in 2010 conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.13E+02	1.63E+00	1A	3.62E-08	1.17E-07	1A	1.34E-17	4.33E-17	1A	1.39E-21	4.48E-21	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	2.76E+02	1.43E+00	2A	9.96E-07	2.84E-06	2A	1.57E-14	4.47E-14	2A	4.23E-15	1.21E-14	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	9.78E+01	5.08E-01	3A	3.14E-04	3.17E-04	3A	3.68E-07	3.71E-07	3A	1.58E-06	1.60E-06	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	8.70E+01	4.52E-01	4A	5.80E-01	5.21E-01	4A	2.37E-03	2.13E-03	4A	4.13E-02	3.72E-02	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	9.84E+01	5.11E-01	5A	2.89E+00	2.94E+00	5A	5.83E-02	5.93E-02	5A	1.69E+00	1.72E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.07E+02	5.55E-01	6A	8.91E-01	9.84E-01	6A	7.91E-02	8.73E-02	6A	3.11E+00	3.43E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	7.87E+01	4.09E-01	7A	1.98E-01	1.61E-01	7A	3.08E-02	2.50E-02	7A	1.02E+00	8.26E-01	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	8.35E+01	4.34E-01	8A	7.71E-07	6.65E-07	8A	1.18E-07	1.02E-07	8A	1.02E-06	8.80E-07	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.22E+02	6.34E-01	9A	3.11E-15	3.92E-15	9A	5.24E-16	6.61E-16	9A	5.17E-16	6.52E-16	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.53E+02	7.93E-01	10A	1.18E-24	1.87E-24	10A	1.96E-25	3.10E-25	10A	2.12E-26	3.34E-26	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.32E+02	1.21E+00	11A	1.11E-33	2.66E-33	11A	1.51E-34	3.63E-34	11A	6.28E-37	1.51E-36	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	2.55E+04	1.32E+02	1B	3.16E-08	8.32E-06	1B	6.19E-18	1.63E-15	1B	1.01E-21	2.67E-19	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	3.00E+04	1.56E+02	2B	2.21E-07	6.85E-05	2B	3.11E-14	9.64E-12	2B	2.29E-14	7.11E-12	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	1.70E+04	8.85E+01	3B	1.08E-03	1.91E-01	3B	1.55E-06	2.74E-04	3B	1.07E-05	1.89E-03	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	1.57E+04	8.13E+01	4B	2.92E+00	4.72E+02	4B	1.03E-02	1.67E+00	4B	2.91E-01	4.71E+01	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	1.82E+04	9.47E+01	5B	1.62E+01	3.05E+03	5B	2.80E-01	5.27E+01	5B	1.41E+01	2.65E+03	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	2.52E+04	1.31E+02	6B	4.20E+00	1.09E+03	6B	3.28E-01	8.56E+01	6B	2.13E+01	5.54E+03	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	2.14E+04	1.11E+02	7B	9.43E-01	2.08E+02	7B	1.30E-01	2.87E+01	7B	6.96E+00	1.54E+03	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	2.69E-06	1.00E-03	8B	3.76E-07	1.41E-04	8B	4.40E-06	1.64E-03	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	3.68E+04	1.91E+02	9B	1.01E-14	3.85E-12	9B	1.53E-15	5.81E-13	9B	2.15E-15	8.20E-13	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.01E+04	1.56E+02	10B	6.37E-24	1.98E-21	10B	9.34E-25	2.91E-22	10B	1.60E-25	4.97E-23	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.59E+04	1.34E+02	11B	4.55E-33	1.22E-30	11B	5.59E-34	1.49E-31	11B	3.68E-36	9.85E-34	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	2.10E+04	1.09E+02	1C	1.97E-08	4.28E-06	1C	4.84E-18	1.05E-15	1C	8.87E-22	1.93E-19	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	2.34E+04	1.21E+02	2C	8.44E-08	2.04E-05	2C	3.64E-14	8.78E-12	2C	2.40E-14	5.80E-12	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	1.25E+04	6.48E+01	3C	9.47E-04	1.22E-01	3C	1.76E-06	2.26E-04	3C	6.10E-06	7.87E-04	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.13E+04	5.88E+01	4C	7.50E-01	8.77E+01	4C	1.24E-02	1.45E+00	4C	8.04E-02	9.41E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	1.22E+04	6.34E+01	5C	4.61E+00	5.82E+02	5C	3.94E-01	4.98E+01	5C	3.17E+00	4.00E+02	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.64E+04	8.53E+01	6C	3.09E+00	5.23E+02	6C	4.89E-01	8.29E+01	6C	3.76E+00	6.37E+02	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.38E+04	7.16E+01	7C	9.35E-01	1.33E+02	7C	1.93E-01	2.75E+01	7C	1.42E+00	2.02E+02	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	2.53E+04	1.31E+02	8C	2.46E-06	6.43E-04	8C	5.30E-07	1.38E-04	8C	2.48E-06	6.48E-04	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	2.60E+04	1.35E+02	9C	9.61E-15	2.58E-12	9C	1.98E-15	5.32E-13	9C	2.33E-15	6.27E-13	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.18E+04	1.13E+02	10C	5.24E-24	1.18E-21	10C	1.11E-24	2.50E-22	10C	1.79E-25	4.03E-23	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.00E+04	1.04E+02	11C	4.20E-33	8.70E-31	11C	7.51E-34	1.55E-31	11C	5.05E-36	1.05E-33	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00
						total mass going into the	kg/yr		6.16E+03	kg/yr		3.30E+02	kg/yr		1.10E+04	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/y

APPENDIX 6.2c
Calculation of Mass Flux - Sauget Area 2 Source Zone
Simulation time 2020

GMCS <u>ON</u>

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L	Mass Flux (kg/yr	Obs Well	conc (mg/L	Mass (kg)	Obs Well	conc (mg/L	Mass (kg)	Obs Well	conc (mg/L	Mass (kg)	Obs Well	conc (mg/L	Mass (kg)	Obs Well	conc (mg/L	Mass (kg)	Obs Well	conc (mg/L	Mass (kg)
SHU Zone	1 to	12 =	6.40E+02	3.33E+00	1A	1.46E-13	9.67E-13	1A	2.60E-22	1.72E-21	1A	1.01E-26	6.71E-26	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	4.89E+02	2.54E+00	2A	2.06E-10	1.04E-09	2A	1.99E-14	1.01E-13	2A	2.69E-14	1.36E-13	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	1.62E+02	8.40E-01	3A	3.71E-04	6.21E-04	3A	5.81E-07	9.72E-07	3A	3.19E-06	5.33E-06	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	1.20E+02	6.24E-01	4A	1.92E-01	2.38E-01	4A	1.52E-03	1.89E-03	4A	2.41E-02	2.99E-02	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	8.18E+00	4.25E-02	5A	3.67E-01	3.10E-02	5A	4.97E-03	4.21E-04	5A	7.16E-02	6.06E-03	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.18E+00	6.11E-03	6A	5.35E-02	6.50E-04	6A	1.15E-03	1.39E-05	6A	3.73E-02	4.54E-04	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	5.81E+01	3.02E-01	7A	1.61E-02	9.66E-03	7A	2.52E-03	1.51E-03	7A	6.16E-02	3.70E-02	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	1.12E+02	5.80E-01	8A	4.41E-07	5.08E-07	8A	6.56E-08	7.57E-08	8A	7.09E-07	8.18E-07	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.52E+02	7.89E-01	9A	2.05E-15	3.22E-15	9A	3.66E-16	5.74E-16	9A	6.40E-16	1.00E-15	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.79E+02	9.31E-01	10A	1.07E-24	1.98E-24	10A	1.98E-25	3.66E-25	10A	4.17E-26	7.73E-26	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.63E+02	1.37E+00	11A	3.88E-33	1.05E-32	11A	9.42E-34	2.56E-33	11A	1.09E-35	2.96E-35	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	5.17E+04	2.69E+02	1B	9.39E-14	5.02E-11	1B	1.21E-22	6.48E-20	1B	4.92E-26	2.63E-23	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	5.21E+04	2.71E+02	2B	3.36E-10	1.81E-07	2B	4.96E-14	2.67E-11	2B	9.99E-14	5.38E-11	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	2.82E+04	1.47E+02	3B	8.79E-04	2.57E-01	3B	1.83E-06	5.34E-04	3B	1.51E-05	4.41E-03	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	2.17E+04	1.13E+02	4B	6.33E-01	1.42E+02	4B	4.95E-03	1.11E+00	4B	1.17E-01	2.64E+01	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	1.29E+03	6.71E+00	5B	1.96E+00	2.62E+01	5B	2.51E-02	3.36E-01	5B	6.75E-01	9.01E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	3.45E+02	1.79E+00	6B	2.70E-01	9.61E-01	6B	5.54E-03	1.98E-02	6B	2.83E-01	1.01E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	1.62E+04	8.41E+01	7B	7.96E-02	1.33E+01	7B	1.10E-02	1.84E+00	7B	4.38E-01	7.33E+01	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	4.79E+04	2.49E+02	8B	1.25E-06	6.19E-04	8B	1.80E-07	8.93E-05	8B	2.60E-06	1.28E-03	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	4.56E+04	2.37E+02	9B	5.93E-15	2.79E-12	9B	9.52E-16	4.49E-13	9B	2.34E-15	1.10E-12	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.54E+04	1.84E+02	10B	5.03E-24	1.84E-21	10B	8.26E-25	3.03E-22	10B	2.72E-25	9.98E-23	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.93E+04	1.52E+02	11B	1.05E-32	3.19E-30	11B	2.08E-33	6.29E-31	11B	4.06E-35	1.23E-32	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	4.27E+04	2.22E+02	1C	4.78E-14	2.11E-11	1C	5.78E-23	2.55E-20	1C	5.87E-26	2.59E-23	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	4.06E+04	2.11E+02	2C	3.69E-10	1.55E-07	2C	5.83E-14	2.45E-11	2C	1.04E-13	4.35E-11	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	2.07E+04	1.08E+02	3C	9.39E-04	2.01E-01	3C	1.88E-06	4.01E-04	3C	8.65E-06	1.85E-03	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.58E+04	8.19E+01	4C	2.60E-01	4.24E+01	4C	5.29E-03	8.63E-01	4C	3.35E-02	5.46E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	8.41E+02	4.37E+00	5C	8.32E-01	7.23E+00	5C	3.87E-02	3.36E-01	5C	2.91E-01	2.53E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.73E+02	9.01E-01	6C	9.79E-02	1.76E-01	6C	1.81E-02	3.25E-02	6C	4.03E-02	7.22E-02	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.06E+04	5.49E+01	7C	7.69E-02	8.39E+00	7C	1.60E-02	1.75E+00	7C	1.03E-01	1.12E+01	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	3.34E+04	1.74E+02	8C	1.19E-06	4.11E-04	8C	2.50E-07	8.65E-05	8C	1.46E-06	5.03E-04	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	3.22E+04	1.67E+02	9C	6.00E-15	2.00E-12	9C	1.23E-15	4.08E-13	9C	2.56E-15	8.51E-13	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.57E+04	1.34E+02	10C	4.40E-24	1.17E-21	10C	9.73E-25	2.59E-22	10C	3.06E-25	8.14E-23	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.27E+04	1.18E+02	11C	9.68E-33	2.27E-30	11C	2.63E-33	6.16E-31	11C	5.21E-35	1.22E-32	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00

	CB	14DCB	24D	PCE	TCE	12DCE	VC
total mass discharge into the river adjacent to Site	2.42E+02 kg/yr	6.30E+00 kg/yr	1.29E+02 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr
Percent Capture by GMCS	97 %	99 %	99 %	0 %	0 %	0 %	0 %

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.2c
Calculation of Mass Flux - Sauget Area 2 Source Zone
Simulation time 2020

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.28E+02	3.26E+00	1A	2.50E-13	1.62E-12	1A	2.48E-22	1.61E-21	1A	4.12E-25	2.68E-24	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00		
SHU Zone	2 to	12 =	4.68E+02	2.43E+00	2A	7.32E-10	3.54E-09	2A	1.09E-14	5.28E-14	2A	-7.18E-13	-3.47E-12	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00		
SHU Zone	3 to	12 =	1.48E+02	7.68E-01	3A	8.14E-05	1.24E-04	3A	3.60E-07	5.50E-07	3A	2.52E-06	3.85E-06	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00		
SHU Zone	4 to	12 =	1.26E+02	6.54E-01	4A	6.50E-01	8.45E-01	4A	2.55E-03	3.32E-03	4A	5.55E-02	7.21E-02	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00		
SHU Zone	5 to	12 =	1.38E+02	7.15E-01	5A	4.08E+00	5.80E+00	5A	7.68E-02	1.09E-01	5A	2.41E+00	3.42E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00		
SHU Zone	6 to	12 =	1.45E+02	7.52E-01	6A	1.13E+00	1.68E+00	6A	9.49E-02	1.42E-01	6A	3.89E+00	5.82E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00		
SHU Zone	7 to	12 =	1.02E+02	5.28E-01	7A	2.53E-01	2.66E-01	7A	3.86E-02	4.06E-02	7A	1.35E+00	1.42E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00		
SHU Zone	8 to	12 =	1.04E+02	5.40E-01	8A	1.17E-06	1.25E-06	8A	1.80E-07	1.93E-07	8A	2.05E-06	2.20E-06	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00		
SHU Zone	9 to	12 =	1.46E+02	7.57E-01	9A	5.19E-15	7.82E-15	9A	8.93E-16	1.34E-15	9A	1.50E-15	2.27E-15	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00		
SHU Zone	10 to	12 =	1.75E+02	9.10E-01	10A	2.27E-24	4.11E-24	10A	3.93E-25	7.12E-25	10A	8.31E-26	1.50E-25	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00		
SHU Zone	11 to	12 =	2.59E+02	1.35E+00	11A	2.59E-33	6.95E-33	11A	4.13E-34	1.11E-33	11A	4.96E-36	1.33E-35	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00		
MHU Zone	1 to	12 =	5.08E+04	2.64E+02	1B	1.27E-13	6.66E-11	1B	9.38E-23	4.92E-20	1B	-3.78E-24	-1.98E-21	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00		
MHU Zone	2 to	12 =	4.98E+04	2.59E+02	2B	-2.27E-09	-1.17E-06	2B	1.54E-14	7.91E-12	2B	3.41E-12	1.76E-09	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00		
MHU Zone	3 to	12 =	2.58E+04	1.34E+02	3B	2.69E-04	7.16E-02	3B	1.18E-06	3.16E-04	3B	1.26E-05	3.35E-03	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00		
MHU Zone	4 to	12 =	2.27E+04	1.18E+02	4B	2.51E+00	5.89E+02	4B	8.73E-03	2.05E+00	4B	2.91E-01	6.84E+01	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00		
MHU Zone	5 to	12 =	2.54E+04	1.32E+02	5B	1.75E+01	4.59E+03	5B	2.95E-01	7.75E+01	5B	1.49E+01	3.91E+03	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00		
MHU Zone	6 to	12 =	3.37E+04	1.75E+02	6B	4.27E+00	1.49E+03	6B	3.24E-01	1.13E+02	6B	2.08E+01	7.25E+03	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00		
MHU Zone	7 to	12 =	2.74E+04	1.43E+02	7B	1.02E+00	2.88E+02	7B	1.40E-01	3.96E+01	7B	7.55E+00	2.14E+03	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00		
MHU Zone	8 to	12 =	4.47E+04	2.32E+02	8B	3.59E-06	1.66E-03	8B	5.13E-07	2.37E-04	8B	7.75E-06	3.58E-03	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00		
MHU Zone	9 to	12 =	4.38E+04	2.27E+02	9B	1.54E-14	6.95E-12	9B	2.40E-15	1.09E-12	9B	5.70E-15	2.58E-12	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00		
MHU Zone	10 to	12 =	3.46E+04	1.80E+02	10B	1.13E-23	4.06E-21	10B	1.74E-24	6.22E-22	10B	5.70E-25	2.04E-22	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00		
MHU Zone	11 to	12 =	2.89E+04	1.50E+02	11B	9.71E-33	2.90E-30	11B	1.30E-33	3.88E-31	11B	5.12E-35	1.53E-32	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00		
DHU Zone	1 to	12 =	4.19E+04	2.18E+02	1C	5.64E-14	2.44E-11	1C	4.04E-23	1.75E-20	1C	3.68E-24	1.59E-21	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00		
DHU Zone	2 to	12 =	3.88E+04	2.02E+02	2C	1.56E-09	6.27E-07	2C	2.50E-14	1.00E-11	2C	-2.42E-12	-9.71E-10	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00		
DHU Zone	3 to	12 =	1.89E+04	9.82E+01	3C	1.76E-04	3.44E-02	3C	1.35E-06	2.65E-04	3C	7.69E-06	1.50E-03	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00		
DHU Zone	4 to	12 =	1.64E+04	8.54E+01	4C	6.57E-01	1.12E+02	4C	1.04E-02	1.77E+00	4C	8.64E-02	1.47E+01	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00		
DHU Zone	5 to	12 =	1.71E+04	8.86E+01	5C	4.93E+00	8.69E+02	5C	4.14E-01	7.30E+01	5C	3.64E+00	6.42E+02	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00		
DHU Zone	6 to	12 =	2.20E+04	1.14E+02	6C	3.09E+00	7.03E+02	6C	4.83E-01	1.10E+02	6C	3.94E+00	8.95E+02	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00		
DHU Zone	7 to	12 =	1.77E+04	9.20E+01	7C	1.02E+00	1.87E+02	7C	2.06E-01	3.78E+01	7C	1.61E+00	2.94E+02	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00		
DHU Zone	8 to	12 =	3.13E+04	1.62E+02	8C	3.47E-06	1.12E-03	8C	7.20E-07	2.32E-04	8C	4.42E-06	1.43E-03	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00		
DHU Zone	9 to	12 =	3.09E+04	1.61E+02	9C	1.53E-14	4.89E-12	9C	3.10E-15	9.90E-13	9C	6.17E-15	1.97E-12	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00		
DHU Zone	10 to	12 =	2.51E+04	1.31E+02	10C	9.75E-24	2.53E-21	10C	2.05E-24	5.33E-22	10C	6.36E-25	1.65E-22	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00		
DHU Zone	11 to	12 =	2.24E+04	1.16E+02	11C	8.88E-33	2.05E-30	11C	1.73E-33	4.00E-31	11C	3.89E-35	9.01E-33	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00		
			total mass going into the		kg/yr		8.83E+03	kg/yr		4.55E+02	kg/yr		1.52E+04	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/y

APPENDIX 6.2d
Calculation of Mass Flux - Sauget Area 2 Source Zone
Simulation time 2030

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.45E+02	3.35E+00	1A	1.12E-18	7.44E-18	1A	1.12E-25	7.48E-25	1A	2.13E-26	1.42E-25	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	4.92E+02	2.56E+00	2A	1.57E-10	7.98E-10	2A	1.80E-14	9.17E-14	2A	2.56E-14	1.30E-13	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	1.63E+02	8.46E-01	3A	3.19E-04	5.36E-04	3A	5.00E-07	8.43E-07	3A	2.75E-06	4.63E-06	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	1.21E+02	6.29E-01	4A	1.63E-01	2.04E-01	4A	1.30E-03	1.63E-03	4A	2.04E-02	2.56E-02	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	8.23E+00	4.28E-02	5A	3.10E-01	2.64E-02	5A	4.25E-03	3.61E-04	5A	6.04E-02	5.14E-03	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.18E+00	6.14E-03	6A	4.56E-02	5.57E-04	6A	9.92E-04	1.21E-05	6A	3.16E-02	3.86E-04	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	5.85E+01	3.04E-01	7A	1.35E-02	8.18E-03	7A	2.13E-03	1.29E-03	7A	5.20E-02	3.14E-02	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	1.12E+02	5.83E-01	8A	3.47E-07	4.03E-07	8A	5.36E-08	6.22E-08	8A	5.85E-07	6.79E-07	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.53E+02	7.93E-01	9A	1.55E-15	2.44E-15	9A	2.70E-16	4.26E-16	9A	5.04E-16	7.94E-16	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.80E+02	9.34E-01	10A	7.83E-25	1.46E-24	10A	1.37E-25	2.54E-25	10A	4.18E-26	7.77E-26	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.64E+02	1.37E+00	11A	1.22E-33	3.34E-33	11A	2.04E-34	5.57E-34	11A	7.10E-36	1.94E-35	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	5.21E+04	2.71E+02	1B	6.21E-19	3.34E-16	1B	3.06E-25	1.65E-22	1B	9.69E-26	5.22E-23	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	5.25E+04	2.73E+02	2B	2.74E-10	1.49E-07	2B	4.40E-14	2.38E-11	2B	9.18E-14	4.98E-11	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	2.84E+04	1.48E+02	3B	7.49E-04	2.20E-01	3B	1.57E-06	4.60E-04	3B	1.29E-05	3.79E-03	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	2.19E+04	1.14E+02	4B	5.34E-01	1.21E+02	4B	4.21E-03	9.52E-01	4B	9.90E-02	2.24E+01	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	1.30E+03	6.75E+00	5B	1.66E+00	2.23E+01	5B	2.15E-02	2.89E-01	5B	5.71E-01	7.67E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	3.47E+02	1.80E+00	6B	2.29E-01	8.20E-01	6B	4.78E-03	1.71E-02	6B	2.39E-01	8.56E-01	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	1.63E+04	8.46E+01	7B	6.67E-02	1.12E+01	7B	9.30E-03	1.57E+00	7B	3.68E-01	6.20E+01	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	4.81E+04	2.50E+02	8B	1.03E-06	5.12E-04	8B	1.48E-07	7.34E-05	8B	2.11E-06	1.05E-03	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	4.58E+04	2.38E+02	9B	4.44E-15	2.10E-12	9B	7.06E-16	3.34E-13	9B	1.83E-15	8.66E-13	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.56E+04	1.85E+02	10B	3.73E-24	1.37E-21	10B	5.78E-25	2.13E-22	10B	2.73E-25	1.00E-22	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.94E+04	1.53E+02	11B	4.14E-33	1.26E-30	11B	6.12E-34	1.86E-31	11B	3.20E-35	9.71E-33	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	4.30E+04	2.24E+02	1C	4.53E-19	2.01E-16	1C	3.63E-25	1.61E-22	1C	1.16E-25	5.15E-23	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	4.09E+04	2.12E+02	2C	2.91E-10	1.23E-07	2C	5.20E-14	2.20E-11	2C	9.74E-14	4.12E-11	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	2.08E+04	1.08E+02	3C	8.04E-04	1.73E-01	3C	1.60E-06	3.44E-04	3C	7.41E-06	1.60E-03	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.59E+04	8.25E+01	4C	2.21E-01	3.63E+01	4C	4.47E-03	7.33E-01	4C	2.83E-02	4.64E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	8.47E+02	4.40E+00	5C	7.04E-01	6.16E+00	5C	3.28E-02	2.87E-01	5C	2.46E-01	2.15E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.74E+02	9.06E-01	6C	8.29E-02	1.49E-01	6C	1.54E-02	2.78E-02	6C	3.40E-02	6.12E-02	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.06E+04	5.52E+01	7C	6.45E-02	7.09E+00	7C	1.35E-02	1.48E+00	7C	8.65E-02	9.50E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	3.36E+04	1.75E+02	8C	9.81E-07	3.41E-04	8C	2.04E-07	7.09E-05	8C	1.20E-06	4.16E-04	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	3.23E+04	1.68E+02	9C	4.51E-15	1.51E-12	9C	9.10E-16	3.04E-13	9C	2.01E-15	6.73E-13	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.58E+04	1.34E+02	10C	3.28E-24	8.75E-22	10C	6.82E-25	1.82E-22	10C	3.08E-25	8.20E-23	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.28E+04	1.18E+02	11C	4.01E-33	9.44E-31	11C	8.09E-34	1.91E-31	11C	4.25E-35	1.00E-32	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00

total mass discharge into the river adjacent to Site	2.05E+02 kg/yr	5.36E+00 kg/yr	1.09E+02 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr
Percent Capture by GMCS	97 %	99 %	99 %	0 %	0 %	0 %

APPENDIX 6.2d
Calculation of Mass Flux - Sauget Area 2 Source Zone
Simulation time 2030

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.33E+02	3.29E+00	1A	2.21E-18	1.45E-17	1A	3.72E-26	2.43E-25	1A	6.50E-27	4.26E-26	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	4.71E+02	2.45E+00	2A	6.59E-12	3.21E-11	2A	6.65E-15	3.24E-14	2A	1.07E-14	5.19E-14	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	1.49E+02	7.72E-01	3A	6.69E-05	1.03E-04	3A	3.07E-07	4.72E-07	3A	2.15E-06	3.30E-06	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	1.27E+02	6.57E-01	4A	5.49E-01	7.18E-01	4A	2.17E-03	2.84E-03	4A	4.70E-02	6.15E-02	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	1.38E+02	7.19E-01	5A	3.45E+00	4.94E+00	5A	6.54E-02	9.36E-02	5A	2.04E+00	2.91E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.45E+02	7.56E-01	6A	9.51E-01	1.43E+00	6A	8.09E-02	1.22E-01	6A	3.29E+00	4.94E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	1.02E+02	5.30E-01	7A	2.14E-01	2.26E-01	7A	3.29E-02	3.47E-02	7A	1.15E+00	1.21E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	1.04E+02	5.42E-01	8A	9.91E-07	1.07E-06	8A	1.54E-07	1.66E-07	8A	1.75E-06	1.89E-06	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.46E+02	7.60E-01	9A	4.53E-15	6.85E-15	9A	7.84E-16	1.18E-15	9A	1.39E-15	2.10E-15	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.76E+02	9.13E-01	10A	2.45E-24	4.45E-24	10A	4.23E-25	7.69E-25	10A	1.14E-25	2.07E-25	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.60E+02	1.35E+00	11A	3.45E-33	9.26E-33	11A	5.58E-34	1.50E-33	11A	1.62E-35	4.36E-35	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	5.12E+04	2.66E+02	1B	1.32E-18	6.97E-16	1B	9.04E-26	4.78E-23	1B	3.00E-26	1.59E-23	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	5.01E+04	2.60E+02	2B	1.26E-11	6.55E-09	2B	1.65E-14	8.56E-12	2B	3.92E-14	2.03E-11	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	2.59E+04	1.35E+02	3B	2.22E-04	5.95E-02	3B	1.01E-06	2.70E-04	3B	1.07E-05	2.87E-03	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	2.29E+04	1.19E+02	4B	2.11E+00	4.98E+02	4B	7.42E-03	1.75E+00	4B	2.45E-01	5.80E+01	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	2.56E+04	1.33E+02	5B	1.47E+01	3.89E+03	5B	2.50E-01	6.61E+01	5B	1.25E+01	3.31E+03	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	3.39E+04	1.76E+02	6B	3.59E+00	1.26E+03	6B	2.75E-01	9.64E+01	6B	1.75E+01	6.13E+03	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	2.76E+04	1.43E+02	7B	8.56E-01	2.44E+02	7B	1.19E-01	3.38E+01	7B	6.36E+00	1.81E+03	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	4.49E+04	2.33E+02	8B	3.05E-06	1.41E-03	8B	4.38E-07	2.03E-04	8B	6.62E-06	3.07E-03	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	4.39E+04	2.28E+02	9B	1.33E-14	6.06E-12	9B	2.10E-15	9.52E-13	9B	5.20E-15	2.36E-12	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.47E+04	1.80E+02	10B	1.19E-23	4.27E-21	10B	1.83E-24	6.55E-22	10B	7.60E-25	2.73E-22	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.90E+04	1.50E+02	11B	1.19E-32	3.57E-30	11B	1.71E-33	5.11E-31	11B	7.40E-35	2.22E-32	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	4.22E+04	2.19E+02	1C	9.09E-19	3.97E-16	1C	1.06E-25	4.63E-23	1C	3.59E-26	1.57E-23	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	3.91E+04	2.03E+02	2C	1.29E-11	5.21E-09	2C	2.01E-14	8.10E-12	2C	4.25E-14	1.71E-11	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	1.90E+04	9.88E+01	3C	1.44E-04	2.83E-02	3C	1.15E-06	2.25E-04	3C	6.54E-06	1.28E-03	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.65E+04	8.59E+01	4C	5.52E-01	9.44E+01	4C	8.77E-03	1.50E+00	4C	7.29E-02	1.25E+01	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	1.71E+04	8.91E+01	5C	4.15E+00	7.35E+02	5C	3.50E-01	6.19E+01	5C	3.07E+00	5.44E+02	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	2.21E+04	1.15E+02	6C	2.60E+00	5.94E+02	6C	4.07E-01	9.30E+01	6C	3.32E+00	7.58E+02	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.78E+04	9.24E+01	7C	8.59E-01	1.58E+02	7C	1.74E-01	3.20E+01	7C	1.36E+00	2.49E+02	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	3.14E+04	1.63E+02	8C	2.94E-06	9.55E-04	8C	6.12E-07	1.98E-04	8C	3.77E-06	1.22E-03	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	3.10E+04	1.61E+02	9C	1.33E-14	4.27E-12	9C	2.70E-15	8.66E-13	9C	5.64E-15	1.81E-12	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.52E+04	1.31E+02	10C	1.03E-23	2.69E-21	10C	2.15E-24	5.60E-22	10C	8.52E-25	2.22E-22	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.24E+04	1.17E+02	11C	1.14E-32	2.66E-30	11C	2.26E-33	5.25E-31	11C	9.86E-35	2.29E-32	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00
			total mass going into the		kg/yr		7.48E+03	kg/yr		3.87E+02	kg/yr		1.29E+04	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/y

APPENDIX 6.2e
Calculation of Mass Flux - Sauget Area 2 Source Zone
Simulation Time 2038

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.46E+02	3.35E+00	1A	1.30E-21	8.70E-21	1A	9.18E-26	6.13E-25	1A	1.85E-26	1.23E-25	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	4.93E+02	2.56E+00	2A	1.37E-10	6.97E-10	2A	1.51E-14	7.66E-14	2A	2.23E-14	1.13E-13	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	1.63E+02	8.47E-01	3A	2.69E-04	4.53E-04	3A	4.15E-07	6.99E-07	3A	2.31E-06	3.90E-06	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	1.21E+02	6.29E-01	4A	1.37E-01	1.71E-01	4A	1.08E-03	1.35E-03	4A	1.72E-02	2.15E-02	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	8.23E+00	4.28E-02	5A	2.61E-01	2.22E-02	5A	3.53E-03	3.00E-04	5A	5.08E-02	4.32E-03	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.18E+00	6.14E-03	6A	3.86E-02	4.71E-04	6A	8.25E-04	1.01E-05	6A	2.66E-02	3.25E-04	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	5.85E+01	3.04E-01	7A	1.14E-02	6.88E-03	7A	1.77E-03	1.07E-03	7A	4.37E-02	2.65E-02	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	1.12E+02	5.83E-01	8A	2.92E-07	3.39E-07	8A	4.44E-08	5.16E-08	8A	4.91E-07	5.70E-07	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.53E+02	7.93E-01	9A	1.30E-15	2.06E-15	9A	2.25E-16	3.54E-16	9A	4.38E-16	6.91E-16	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.80E+02	9.35E-01	10A	6.71E-25	1.25E-24	10A	1.18E-25	2.19E-25	10A	3.43E-26	6.37E-26	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.64E+02	1.37E+00	11A	9.49E-34	2.59E-33	11A	1.58E-34	4.32E-34	11A	6.12E-36	1.67E-35	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	5.21E+04	2.71E+02	1B	2.43E-21	1.31E-18	1B	2.66E-25	1.43E-22	1B	8.42E-26	4.54E-23	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	5.25E+04	2.73E+02	2B	2.40E-10	1.30E-07	2B	3.66E-14	1.99E-11	2B	7.92E-14	4.30E-11	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	2.84E+04	1.48E+02	3B	6.31E-04	1.86E-01	3B	1.30E-06	3.82E-04	3B	1.09E-05	3.19E-03	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	2.19E+04	1.14E+02	4B	4.49E-01	1.02E+02	4B	3.48E-03	7.88E-01	4B	8.32E-02	1.88E+01	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	1.30E+03	6.76E+00	5B	1.40E+00	1.88E+01	5B	1.78E-02	2.39E-01	5B	4.80E-01	6.45E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	3.47E+02	1.80E+00	6B	1.93E-01	6.92E-01	6B	3.96E-03	1.42E-02	6B	2.01E-01	7.20E-01	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	1.63E+04	8.47E+01	7B	5.61E-02	9.45E+00	7B	7.71E-03	1.30E+00	7B	3.09E-01	5.21E+01	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	4.81E+04	2.50E+02	8B	8.64E-07	4.30E-04	8B	1.22E-07	6.08E-05	8B	1.77E-06	8.82E-04	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	4.58E+04	2.38E+02	9B	3.73E-15	1.76E-12	9B	5.85E-16	2.77E-13	9B	1.58E-15	7.48E-13	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.56E+04	1.85E+02	10B	3.23E-24	1.19E-21	10B	5.03E-25	1.85E-22	10B	2.24E-25	8.25E-23	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.94E+04	1.53E+02	11B	3.24E-33	9.85E-31	11B	4.77E-34	1.45E-31	11B	2.72E-35	8.27E-33	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	4.31E+04	2.24E+02	1C	2.51E-21	1.12E-18	1C	3.17E-25	1.41E-22	1C	1.01E-25	4.48E-23	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	4.09E+04	2.13E+02	2C	2.53E-10	1.07E-07	2C	4.33E-14	1.83E-11	2C	8.42E-14	3.56E-11	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	2.08E+04	1.08E+02	3C	6.78E-04	1.46E-01	3C	1.33E-06	2.86E-04	3C	6.24E-06	1.34E-03	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.59E+04	8.25E+01	4C	1.86E-01	3.05E+01	4C	3.71E-03	6.09E-01	4C	2.38E-02	3.90E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	8.48E+02	4.40E+00	5C	5.92E-01	5.19E+00	5C	2.73E-02	2.39E-01	5C	2.07E-01	1.81E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.74E+02	9.06E-01	6C	6.98E-02	1.26E-01	6C	1.28E-02	2.31E-02	6C	2.86E-02	5.15E-02	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.06E+04	5.52E+01	7C	5.43E-02	5.96E+00	7C	1.12E-02	1.23E+00	7C	7.28E-02	7.99E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	3.36E+04	1.75E+02	8C	8.24E-07	2.86E-04	8C	1.69E-07	5.88E-05	8C	1.00E-06	3.49E-04	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	3.23E+04	1.68E+02	9C	3.79E-15	1.27E-12	9C	7.54E-16	2.52E-13	9C	1.74E-15	5.81E-13	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.58E+04	1.34E+02	10C	2.84E-24	7.58E-22	10C	5.92E-25	1.58E-22	10C	2.53E-25	6.75E-23	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.28E+04	1.18E+02	11C	3.13E-33	7.37E-31	11C	6.31E-34	1.49E-31	11C	3.61E-35	8.51E-33	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00

total mass discharge into the river adjacent to Site	1.73E+02 kg/yr	4.44E+00 kg/yr	9.19E+01 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr
Percent Capture by GMCS	97 %	99 %	99 %	0 %	0 %	0 %	0 %

APPENDIX 6.2e
Calculation of Mass Flux - Sauget Area 2 Source Zone
Simulation Time 2038

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.33E+02	3.29E+00	1A	4.50E-22	2.95E-21	1A	2.52E-26	1.65E-25	1A	5.55E-27	3.63E-26	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00		
SHU Zone	2 to	12 =	4.71E+02	2.45E+00	2A	5.68E-12	2.77E-11	2A	5.54E-15	2.70E-14	2A	8.98E-15	4.38E-14	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00		
SHU Zone	3 to	12 =	1.49E+02	7.73E-01	3A	5.63E-05	8.65E-05	3A	2.54E-07	3.91E-07	3A	1.81E-06	2.78E-06	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00		
SHU Zone	4 to	12 =	1.27E+02	6.58E-01	4A	4.61E-01	6.04E-01	4A	1.80E-03	2.36E-03	4A	3.95E-02	5.17E-02	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00		
SHU Zone	5 to	12 =	1.38E+02	7.19E-01	5A	2.90E+00	4.15E+00	5A	5.42E-02	7.76E-02	5A	1.71E+00	2.45E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00		
SHU Zone	6 to	12 =	1.45E+02	7.56E-01	6A	8.00E-01	1.20E+00	6A	6.70E-02	1.01E-01	6A	2.77E+00	4.16E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00		
SHU Zone	7 to	12 =	1.02E+02	5.31E-01	7A	1.80E-01	1.90E-01	7A	2.73E-02	2.88E-02	7A	9.63E-01	1.02E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00		
SHU Zone	8 to	12 =	1.04E+02	5.43E-01	8A	8.34E-07	9.01E-07	8A	1.28E-07	1.38E-07	8A	1.48E-06	1.59E-06	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00		
SHU Zone	9 to	12 =	1.46E+02	7.60E-01	9A	3.84E-15	5.80E-15	9A	6.52E-16	9.86E-16	9A	1.17E-15	1.77E-15	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00		
SHU Zone	10 to	12 =	1.76E+02	9.13E-01	10A	2.12E-24	3.85E-24	10A	3.63E-25	6.59E-25	10A	9.77E-26	1.78E-25	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00		
SHU Zone	11 to	12 =	2.60E+02	1.35E+00	11A	2.99E-33	8.04E-33	11A	4.86E-34	1.31E-33	11A	1.54E-35	4.13E-35	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00		
MHU Zone	1 to	12 =	5.12E+04	2.66E+02	1B	2.80E-22	1.48E-19	1B	7.36E-26	3.89E-23	1B	2.54E-26	1.34E-23	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00		
MHU Zone	2 to	12 =	5.01E+04	2.60E+02	2B	1.08E-11	5.61E-09	2B	1.37E-14	7.11E-12	2B	3.30E-14	1.71E-11	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00		
MHU Zone	3 to	12 =	2.59E+04	1.35E+02	3B	1.87E-04	5.00E-02	3B	8.33E-07	2.23E-04	3B	9.00E-06	2.41E-03	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00		
MHU Zone	4 to	12 =	2.29E+04	1.19E+02	4B	1.77E+00	4.19E+02	4B	6.14E-03	1.45E+00	4B	2.06E-01	4.87E+01	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00		
MHU Zone	5 to	12 =	2.56E+04	1.33E+02	5B	1.24E+01	3.27E+03	5B	2.07E-01	5.48E+01	5B	1.05E+01	2.79E+03	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00		
MHU Zone	6 to	12 =	3.39E+04	1.76E+02	6B	3.02E+00	1.06E+03	6B	2.28E-01	7.99E+01	6B	1.47E+01	5.16E+03	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00		
MHU Zone	7 to	12 =	2.76E+04	1.43E+02	7B	7.20E-01	2.05E+02	7B	9.82E-02	2.80E+01	7B	5.35E+00	1.52E+03	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00		
MHU Zone	8 to	12 =	4.49E+04	2.33E+02	8B	2.56E-06	1.19E-03	8B	3.63E-07	1.69E-04	8B	5.57E-06	2.59E-03	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00		
MHU Zone	9 to	12 =	4.39E+04	2.28E+02	9B	1.13E-14	5.12E-12	9B	1.74E-15	7.90E-13	9B	4.37E-15	1.99E-12	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00		
MHU Zone	10 to	12 =	3.47E+04	1.80E+02	10B	1.04E-23	3.74E-21	10B	1.55E-24	5.57E-22	10B	6.48E-25	2.33E-22	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00		
MHU Zone	11 to	12 =	2.90E+04	1.51E+02	11B	1.03E-32	3.09E-30	11B	1.48E-33	4.42E-31	11B	6.95E-35	2.08E-32	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00		
DHU Zone	1 to	12 =	4.23E+04	2.20E+02	1C	3.93E-22	1.72E-19	1C	8.79E-26	3.84E-23	1C	3.06E-26	1.34E-23	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00		
DHU Zone	2 to	12 =	3.91E+04	2.03E+02	2C	1.11E-11	4.47E-09	2C	1.66E-14	6.72E-12	2C	3.57E-14	1.44E-11	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00		
DHU Zone	3 to	12 =	1.90E+04	9.88E+01	3C	1.21E-04	2.38E-02	3C	9.51E-07	1.87E-04	3C	5.50E-06	1.08E-03	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00		
DHU Zone	4 to	12 =	1.65E+04	8.59E+01	4C	4.64E-01	7.94E+01	4C	7.27E-03	1.24E+00	4C	6.13E-02	1.05E+01	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00		
DHU Zone	5 to	12 =	1.71E+04	8.91E+01	5C	3.49E+00	6.18E+02	5C	2.90E-01	5.14E+01	5C	2.58E+00	4.58E+02	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00		
DHU Zone	6 to	12 =	2.21E+04	1.15E+02	6C	2.19E+00	5.00E+02	6C	3.38E-01	7.72E+01	6C	2.79E+00	6.38E+02	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00		
DHU Zone	7 to	12 =	1.78E+04	9.24E+01	7C	7.23E-01	1.33E+02	7C	1.44E-01	2.66E+01	7C	1.14E+00	2.10E+02	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00		
DHU Zone	8 to	12 =	3.14E+04	1.63E+02	8C	2.48E-06	8.04E-04	8C	5.08E-07	1.65E-04	8C	3.18E-06	1.03E-03	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00		
DHU Zone	9 to	12 =	3.10E+04	1.61E+02	9C	1.12E-14	3.61E-12	9C	2.24E-15	7.19E-13	9C	4.74E-15	1.52E-12	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00		
DHU Zone	10 to	12 =	2.52E+04	1.31E+02	10C	9.00E-24	2.34E-21	10C	1.83E-24	4.77E-22	10C	7.29E-25	1.90E-22	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00		
DHU Zone	11 to	12 =	2.25E+04	1.17E+02	11C	9.87E-33	2.29E-30	11C	1.95E-33	4.53E-31	11C	9.20E-35	2.14E-32	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00		
			total mass going into the		kg/yr		6.29E+03	kg/yr		3.21E+02	kg/yr		1.08E+04	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/y

APPENDIX 6.3
GROUNDWATER FATE AND TRANSPORT MODEL MASS FLUX RESULTS
Clayton Chemical Source Zones

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

	Mass Discharge to River Along Site With GMCS *OFF* (kg/yr)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	1,562	308	32	0	1	2	967	251
2010	1,523	292	31	0	1	2	917	280
2020	2,216	537	57	0	3	3	1,337	279
2030	1,888	457	49	0	6	6	1,135	236
2038	1,589	385	40	0	5	5	953	201

	Mass Discharge to River Along Site With GMCS *ON* (kg/yr)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	87	16	1	0	0	0	49	21
2010	28	4	0.4	0	0	0	15	9
2020	50	16	1	0	0	0	21	11
2030	43	14	1	0	0	0	18	10
2038	37	12	1	0	0	0	16	9

	Percent Capture by GMCS (%)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	94	95	96	-	99	98	95	92
2010	98	98	99	-	99	98	98	97
2020	98	97	98	-	99	97	98	96
2030	98	97	98	-	99	97	98	96
2038	98	97	98	-	99	97	98	96

APPENDIX 6.3a
Calculation of Mass Flux - Clayton Chemical Source Zone
Simulation time 2006

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.11E+02	1.62E+00	1A	3.01E-11	9.69E-11	1A	2.46E-12	7.93E-12	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	9.25E-08	2.98E-07	1A	2.61E-07	8.41E-07
SHU Zone	2 to	12 =	2.74E+02	1.42E+00	2A	6.47E-08	1.83E-07	2A	8.85E-09	2.51E-08	2A	0.00E+00	0.00E+00	2A	3.80E-18	1.08E-17	2A	1.07E-17	3.02E-17	2A	1.45E-06	4.11E-06	2A	1.83E-06	5.19E-06
SHU Zone	3 to	12 =	9.72E+01	5.05E-01	3A	5.07E-04	5.10E-04	3A	4.48E-05	4.50E-05	3A	0.00E+00	0.00E+00	3A	2.19E-08	2.20E-08	3A	4.86E-08	4.88E-08	3A	1.35E-03	1.36E-03	3A	1.08E-03	1.08E-03
SHU Zone	4 to	12 =	7.19E+01	3.74E-01	4A	3.22E-02	2.39E-02	4A	2.69E-03	2.00E-03	4A	0.00E+00	0.00E+00	4A	1.28E-05	9.52E-06	4A	2.16E-05	1.60E-05	4A	6.64E-02	4.94E-02	4A	3.57E-02	2.65E-02
SHU Zone	5 to	12 =	5.42E+00	2.81E-02	5A	3.98E-02	2.23E-03	5A	3.06E-03	1.71E-04	5A	0.00E+00	0.00E+00	5A	2.20E-05	1.23E-06	5A	3.23E-05	1.81E-06	5A	4.28E-01	2.39E-02	5A	2.74E-01	1.53E-02
SHU Zone	6 to	12 =	8.98E-01	4.67E-03	6A	3.39E-02	3.15E-04	6A	2.99E-03	2.78E-05	6A	0.00E+00	0.00E+00	6A	2.14E-05	1.98E-07	6A	2.72E-05	2.52E-07	6A	3.95E-01	3.67E-03	6A	2.23E-01	2.07E-03
SHU Zone	7 to	12 =	4.05E+01	2.10E-01	7A	2.34E-04	9.80E-05	7A	2.42E-05	1.01E-05	7A	0.00E+00	0.00E+00	7A	7.37E-09	3.09E-09	7A	1.37E-08	5.75E-09	7A	1.90E-03	7.95E-04	7A	9.88E-04	4.14E-04
SHU Zone	8 to	12 =	8.19E+01	4.26E-01	8A	1.41E-07	1.19E-07	8A	1.34E-08	1.13E-08	8A	0.00E+00	0.00E+00	8A	7.16E-13	6.06E-13	8A	1.68E-12	1.42E-12	8A	1.00E-06	8.51E-07	8A	5.26E-07	4.46E-07
SHU Zone	9 to	12 =	1.22E+02	6.31E-01	9A	1.09E-18	1.38E-18	9A	1.71E-19	2.15E-19	9A	0.00E+00	0.00E+00	9A	3.24E-30	4.07E-30	9A	1.70E-29	2.14E-29	9A	7.64E-17	9.60E-17	9A	6.60E-17	8.30E-17
SHU Zone	10 to	12 =	1.52E+02	7.90E-01	10A	6.44E-29	1.01E-28	10A	5.12E-30	8.05E-30	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	6.53E-26	1.03E-25	10A	7.93E-26	1.25E-25
SHU Zone	11 to	12 =	2.32E+02	1.20E+00	11A	5.24E-38	1.25E-37	11A	4.65E-39	1.11E-38	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	5.11E-34	1.22E-33	11A	7.83E-34	1.87E-33
MHU Zone	1 to	12 =	2.54E+04	1.32E+02	1B	6.67E-11	1.75E-08	1B	4.65E-12	1.22E-09	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	1.03E-07	2.71E-05	1B	2.89E-07	7.58E-05
MHU Zone	2 to	12 =	2.99E+04	1.55E+02	2B	1.24E-08	3.83E-06	2B	1.41E-09	4.36E-07	2B	0.00E+00	0.00E+00	2B	7.62E-17	2.36E-14	2B	2.07E-16	6.40E-14	2B	3.59E-07	1.11E-04	2B	4.36E-07	1.35E-04
MHU Zone	3 to	12 =	1.69E+04	8.80E+01	3B	8.51E-04	1.49E-01	3B	6.80E-05	1.19E-02	3B	0.00E+00	0.00E+00	3B	1.24E-07	2.17E-05	3B	2.61E-07	4.57E-05	3B	7.35E-04	1.29E-01	3B	3.58E-04	6.27E-02
MHU Zone	4 to	12 =	1.30E+04	6.74E+01	4B	5.20E-02	6.97E+00	4B	3.95E-03	5.29E-01	4B	0.00E+00	0.00E+00	4B	5.98E-05	8.01E-03	4B	9.95E-05	1.33E-02	4B	1.02E-01	1.37E+01	4B	4.24E-02	5.68E+00
MHU Zone	5 to	12 =	8.04E+02	4.17E+00	5B	6.94E-02	5.77E-01	5B	4.25E-03	3.53E-02	5B	0.00E+00	0.00E+00	5B	5.78E-04	4.80E-03	5B	8.04E-04	6.68E-03	5B	6.58E-01	5.46E+00	5B	3.96E-01	3.28E+00
MHU Zone	6 to	12 =	2.65E+02	1.38E+00	6B	4.97E-02	1.36E-01	6B	3.27E-03	8.96E-03	6B	0.00E+00	0.00E+00	6B	2.04E-04	5.59E-04	6B	2.53E-04	6.94E-04	6B	6.28E-01	1.72E+00	6B	3.49E-01	9.54E-01
MHU Zone	7 to	12 =	1.14E+04	5.91E+01	7B	3.00E-04	3.53E-02	7B	2.93E-05	3.44E-03	7B	0.00E+00	0.00E+00	7B	9.69E-08	1.14E-05	7B	1.55E-07	1.82E-05	7B	3.39E-03	3.99E-01	7B	1.64E-03	1.93E-01
MHU Zone	8 to	12 =	3.55E+04	1.85E+02	8B	2.66E-07	9.76E-05	8B	2.37E-08	8.71E-06	8B	0.00E+00	0.00E+00	8B	3.79E-12	1.39E-09	8B	8.72E-12	3.20E-09	8B	2.73E-06	1.00E-03	8B	1.40E-06	5.16E-04
MHU Zone	9 to	12 =	3.67E+04	1.91E+02	9B	9.37E-18	3.56E-15	9B	1.38E-18	5.22E-16	9B	0.00E+00	0.00E+00	9B	4.99E-29	1.89E-26	9B	2.63E-28	9.99E-26	9B	3.13E-16	1.19E-13	9B	2.36E-16	8.95E-14
MHU Zone	10 to	12 =	3.00E+04	1.56E+02	10B	3.08E-28	9.54E-26	10B	2.30E-29	7.12E-27	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	2.46E-25	7.62E-23	10B	2.70E-25	8.38E-23
MHU Zone	11 to	12 =	2.58E+04	1.34E+02	11B	1.14E-37	3.05E-35	11B	7.92E-39	2.11E-36	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	9.26E-34	2.47E-31	11B	1.33E-33	3.54E-31
DHU Zone	1 to	12 =	2.09E+04	1.09E+02	1C	4.81E-11	1.04E-08	1C	6.58E-12	1.42E-09	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	1.19E-07	2.56E-05	1C	3.31E-07	7.16E-05
DHU Zone	2 to	12 =	2.33E+04	1.21E+02	2C	6.31E-09	1.52E-06	2C	8.45E-10	2.03E-07	2C	0.00E+00	0.00E+00	2C	6.69E-17	1.61E-14	2C	1.82E-16	4.37E-14	2C	2.03E-07	4.88E-05	2C	2.37E-07	5.70E-05
DHU Zone	3 to	12 =	1.24E+04	6.44E+01	3C	1.21E-03	1.55E-01	3C	1.23E-04	1.58E-02	3C	0.00E+00	0.00E+00	3C	7.49E-08	9.61E-06	3C	1.56E-07	2.00E-05	3C	1.03E-03	1.32E-01	3C	3.93E-04	5.04E-02
DHU Zone	4 to	12 =	9.40E+03	4.88E+01	4C	7.59E-02	7.37E+00	4C	7.86E-03	7.64E-01	4C	0.00E+00	0.00E+00	4C	3.03E-05	2.95E-03	4C	5.15E-05	5.00E-03	4C	1.83E-01	1.77E+01	4C	6.18E-02	6.00E+00
DHU Zone	5 to	12 =	5.13E+02	2.67E+00	5C	6.65E-02	3.52E-01	5C	9.02E-03	4.78E-02	5C	0.00E+00	0.00E+00	5C	2.12E-04	1.12E-03	5C	3.23E-04	1.71E-03	5C	1.22E+00	6.48E+00	5C	6.30E-01	3.34E+00
DHU Zone	6 to	12 =	1.29E+02	6.69E-01	6C	2.78E-02	3.70E-02	6C	7.39E-03	9.83E-03	6C	0.00E+00	0.00E+00	6C	7.35E-05	9.78E-05	6C	1.05E-04	1.39E-04	6C	1.72E+00	2.29E+00	6C	7.13E-01	9.49E-01
DHU Zone	7 to	12 =	7.41E+03	3.85E+01	7C	2.34E-04	1.79E-02	7C	4.26E-05	3.26E-03	7C	0.00E+00	0.00E+00	7C	7.10E-08	5.44E-06	7C	1.11E-07	8.47E-06	7C	5.47E-03	4.19E-01	7C	2.16E-03	1.66E-01
DHU Zone	8 to	12 =	2.48E+04	1.29E+02	8C	1.93E-07	4.95E-05	8C	3.42E-08	8.77E-06	8C	0.00E+00	0.00E+00	8C	2.17E-12	5.57E-10	8C	4.98E-12	1.28E-09	8C	4.38E-06	1.13E-03	8C	1.80E-06	4.62E-04
DHU Zone	9 to	12 =	2.59E+04	1.35E+02	9C	1.05E-17	2.82E-15	9C	1.85E-18	4.95E-16	9C	0.00E+00	0.00E+00	9C	1.13E-28	3.02E-26	9C	5.98E-28	1.60E-25	9C	4.05E-16	1.08E-13	9C	3.06E-16	8.20E-14
DHU Zone	10 to	12 =	2.18E+04	1.13E+02	10C	2.34E-28	5.26E-26	10C	2.68E-29	6.02E-27	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	2.91E-25	6.55E-23	10C	3.19E-25	7.17E-23
DHU Zone	11 to	12 =	2.00E+04	1.04E+02	11C	1.03E-37	2.12E-35	11C	1.04E-38	2.16E-36	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	1.20E-33	2.48E-31	11C	1.71E-33	3.54E-31

total mass discharge into the river adjacent to Site	1.58E+01 kg/yr	1.43E+00 kg/yr	0.00E+00 kg/yr	1.76E-02 kg/yr	2.77E-02 kg/yr	4.85E+01 kg/yr	2.07E+01 kg/yr
Percent Capture by GMCS	95 %	96 %	#DIV/0! %	99 %	98 %	95 %	92 %

APPENDIX 6.3a
Calculation of Mass Flux - Clayton Chemical Source Zone
Simulation time 2006

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.13E+02	1.63E+00	1A	2.77E-11	8.95E-11	1A	2.24E-12	7.24E-12	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	9.39E-08	3.04E-07	1A	2.65E-07	8.58E-07
SHU Zone	2 to	12 =	2.76E+02	1.43E+00	2A	6.80E-08	1.94E-07	2A	9.55E-09	2.72E-08	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	1.57E-27	4.46E-27	2A	1.48E-06	4.22E-06	2A	1.88E-06	5.35E-06
SHU Zone	3 to	12 =	9.78E+01	5.08E-01	3A	3.64E-05	3.68E-05	3A	4.79E-06	4.84E-06	3A	0.00E+00	0.00E+00	3A	3.22E-12	3.25E-12	3A	7.19E-12	7.27E-12	3A	1.18E-03	1.20E-03	3A	1.04E-03	1.05E-03
SHU Zone	4 to	12 =	8.70E+01	4.52E-01	4A	4.14E-03	3.72E-03	4A	3.54E-04	3.18E-04	4A	0.00E+00	0.00E+00	4A	1.39E-07	1.25E-07	4A	2.41E-07	2.17E-07	4A	2.20E-02	1.98E-02	4A	1.74E-02	1.56E-02
SHU Zone	5 to	12 =	9.84E+01	5.11E-01	5A	1.30E-01	1.33E-01	5A	1.13E-02	1.15E-02	5A	0.00E+00	0.00E+00	5A	1.30E-04	1.32E-04	5A	1.88E-04	1.91E-04	5A	3.43E-01	3.49E-01	5A	1.81E-01	1.84E-01
SHU Zone	6 to	12 =	1.07E+02	5.55E-01	6A	1.23E-01	1.35E-01	6A	1.28E-02	1.42E-02	6A	0.00E+00	0.00E+00	6A	5.45E-04	6.02E-04	6A	7.06E-04	7.79E-04	6A	5.21E-01	5.75E-01	6A	2.26E-01	2.49E-01
SHU Zone	7 to	12 =	7.87E+01	4.09E-01	7A	5.90E-05	4.80E-05	7A	6.91E-06	5.62E-06	7A	0.00E+00	0.00E+00	7A	1.64E-08	1.33E-08	7A	3.09E-08	2.51E-08	7A	3.61E-04	2.94E-04	7A	1.68E-04	1.37E-04
SHU Zone	8 to	12 =	8.35E+01	4.34E-01	8A	6.16E-11	5.31E-11	8A	5.79E-12	5.00E-12	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	6.56E-10	5.66E-10	8A	3.97E-10	3.43E-10
SHU Zone	9 to	12 =	1.22E+02	6.34E-01	9A	3.89E-19	4.91E-19	9A	3.40E-20	4.28E-20	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	3.67E-17	4.63E-17	9A	3.15E-17	3.97E-17
SHU Zone	10 to	12 =	1.53E+02	7.93E-01	10A	4.64E-29	7.32E-29	10A	3.59E-30	5.67E-30	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	5.66E-26	8.92E-26	10A	6.98E-26	1.10E-25
SHU Zone	11 to	12 =	2.32E+02	1.21E+00	11A	4.92E-38	1.18E-37	11A	4.16E-39	9.98E-39	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	4.95E-34	1.19E-33	11A	7.61E-34	1.83E-33
MHU Zone	1 to	12 =	2.55E+04	1.32E+02	1B	6.41E-11	1.69E-08	1B	4.45E-12	1.17E-09	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	1.11E-07	2.93E-05	1B	3.12E-07	8.21E-05
MHU Zone	2 to	12 =	3.00E+04	1.56E+02	2B	1.29E-08	4.01E-06	2B	1.50E-09	4.67E-07	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	3.71E-07	1.15E-04	2B	4.51E-07	1.40E-04
MHU Zone	3 to	12 =	1.70E+04	8.85E+01	3B	2.22E-05	3.91E-03	3B	1.89E-06	3.33E-04	3B	0.00E+00	0.00E+00	3B	6.03E-11	1.06E-08	3B	1.31E-10	2.31E-08	3B	1.66E-04	2.92E-02	3B	1.40E-04	2.46E-02
MHU Zone	4 to	12 =	1.57E+04	8.13E+01	4B	1.15E-02	1.87E+00	4B	8.65E-04	1.40E-01	4B	0.00E+00	0.00E+00	4B	1.68E-06	2.72E-04	4B	2.86E-06	4.63E-04	4B	5.75E-03	9.31E-01	4B	3.03E-03	4.90E-01
MHU Zone	5 to	12 =	1.82E+04	9.47E+01	5B	4.24E-01	7.99E+01	5B	3.34E-02	6.29E+00	5B	0.00E+00	0.00E+00	5B	1.25E-03	2.36E-01	5B	1.67E-03	3.14E-01	5B	6.20E-01	1.17E+02	5B	1.98E-01	3.73E+01
MHU Zone	6 to	12 =	2.52E+04	1.31E+02	6B	3.51E-01	9.15E+01	6B	3.31E-02	8.63E+00	6B	0.00E+00	0.00E+00	6B	3.14E-03	8.19E-01	6B	3.42E-03	8.91E-01	6B	1.16E+00	3.02E+02	6B	4.00E-01	1.04E+02
MHU Zone	7 to	12 =	2.14E+04	1.11E+02	7B	1.58E-04	3.49E-02	7B	1.66E-05	3.68E-03	7B	0.00E+00	0.00E+00	7B	1.52E-07	3.36E-05	7B	2.65E-07	5.85E-05	7B	8.12E-04	1.79E-01	7B	3.16E-04	6.97E-02
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	1.39E-10	5.18E-08	8B	1.25E-11	4.66E-09	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	1.62E-09	6.06E-07	8B	9.19E-10	3.44E-07
MHU Zone	9 to	12 =	3.68E+04	1.91E+02	9B	9.51E-19	3.62E-16	9B	8.01E-20	3.05E-17	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	9.31E-17	3.55E-14	9B	7.43E-17	2.83E-14
MHU Zone	10 to	12 =	3.01E+04	1.56E+02	10B	1.99E-28	6.19E-26	10B	1.41E-29	4.37E-27	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	1.90E-25	5.92E-23	10B	2.13E-25	6.64E-23
MHU Zone	11 to	12 =	2.59E+04	1.34E+02	11B	1.07E-37	2.86E-35	11B	7.39E-39	1.98E-36	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	8.96E-34	2.39E-31	11B	1.29E-33	3.44E-31
DHU Zone	1 to	12 =	2.10E+04	1.09E+02	1C	4.60E-11	9.98E-09	1C	6.32E-12	1.37E-09	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	1.29E-07	2.80E-05	1C	3.61E-07	7.84E-05
DHU Zone	2 to	12 =	2.34E+04	1.21E+02	2C	6.56E-09	1.58E-06	2C	9.01E-10	2.18E-07	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	2.16E-07	5.21E-05	2C	2.52E-07	6.07E-05
DHU Zone	3 to	12 =	1.25E+04	6.48E+01	3C	2.76E-05	3.55E-03	3C	2.96E-06	3.81E-04	3C	0.00E+00	0.00E+00	3C	3.37E-11	4.35E-09	3C	7.33E-11	9.45E-09	3C	9.49E-05	1.22E-02	3C	7.28E-05	9.39E-03
DHU Zone	4 to	12 =	1.13E+04	5.88E+01	4C	1.99E-02	2.33E+00	4C	1.87E-03	2.19E-01	4C	0.00E+00	0.00E+00	4C	8.63E-07	1.01E-04	4C	1.47E-06	1.72E-04	4C	7.15E-03	8.37E-01	4C	2.52E-03	2.95E-01
DHU Zone	5 to	12 =	1.22E+04	6.34E+01	5C	6.63E-01	8.37E+01	5C	6.27E-02	7.91E+00	5C	0.00E+00	0.00E+00	5C	5.98E-04	7.55E-02	5C	9.05E-04	1.14E-01	5C	1.07E+00	1.35E+02	5C	2.49E-01	3.15E+01
DHU Zone	6 to	12 =	1.64E+04	8.53E+01	6C	2.87E-01	4.87E+01	6C	5.42E-02	9.19E+00	6C	0.00E+00	0.00E+00	6C	1.22E-03	2.08E-01	6C	1.65E-03	2.80E-01	6C	2.42E+00	4.11E+02	6C	4.49E-01	7.62E+01
DHU Zone	7 to	12 =	1.38E+04	7.16E+01	7C	1.31E-04	1.87E-02	7C	2.34E-05	3.33E-03	7C	0.00E+00	0.00E+00	7C	1.06E-07	1.52E-05	7C	1.87E-07	2.66E-05	7C	1.27E-03	1.81E-01	7C	3.57E-04	5.09E-02
DHU Zone	8 to	12 =	2.53E+04	1.31E+02	8C	1.02E-10	2.66E-08	8C	1.67E-11	4.37E-09	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	2.32E-09	6.06E-07	8C	1.12E-09	2.93E-07
DHU Zone	9 to	12 =	2.60E+04	1.35E+02	9C	8.04E-19	2.16E-16	9C	1.02E-19	2.75E-17	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	1.21E-16	3.25E-14	9C	9.40E-17	2.52E-14
DHU Zone	10 to	12 =	2.18E+04	1.13E+02	10C	1.51E-28	3.40E-26	10C	1.65E-29	3.72E-27	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	2.26E-25	5.09E-23	10C	2.52E-25	5.68E-23
DHU Zone	11 to	12 =	2.00E+04	1.04E+02	11C	9.57E-38	1.98E-35	11C	9.76E-39	2.02E-36	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	1.16E-33	2.41E-31	11C	1.66E-33	3.44E-31
						total mass going into the	kg/yr		3.08E+02	kg/yr		3.24E+01	kg/yr		0.00E+00	kg/yr		1.34E+00	kg/yr		1.60E+00	kg/yr		9.67E+02	kg/yr		2.51E+02	kg/y

APPENDIX 6.3b
Calculation of Mass Flux - Clayton Chemical Source Zone
Simulation time 2010

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.15E+02	1.64E+00	1A	9.37E-13	3.05E-12	1A	9.84E-14	3.20E-13	1A	0.00E+00	0.00E+00	1A	7.82E-29	2.54E-28	1A	1.01E-27	3.27E-27	1A	1.80E-08	5.85E-08	1A	5.60E-08	1.82E-07
SHU Zone	2 to	12 =	2.79E+02	1.45E+00	2A	4.32E-10	1.24E-09	2A	9.39E-11	2.71E-10	2A	0.00E+00	0.00E+00	2A	1.46E-15	4.21E-15	2A	1.64E-14	4.71E-14	2A	1.40E-07	4.04E-07	2A	2.28E-07	6.57E-07
SHU Zone	3 to	12 =	9.96E+01	5.18E-01	3A	1.48E-05	1.53E-05	3A	1.51E-06	1.56E-06	3A	0.00E+00	0.00E+00	3A	2.56E-09	2.64E-09	3A	2.18E-08	2.25E-08	3A	1.28E-04	1.31E-04	3A	1.31E-04	1.35E-04
SHU Zone	4 to	12 =	7.43E+01	3.86E-01	4A	3.97E-03	3.04E-03	4A	3.32E-04	2.55E-04	4A	0.00E+00	0.00E+00	4A	2.23E-06	1.71E-06	4A	8.84E-06	6.79E-06	4A	7.14E-03	5.48E-03	4A	5.26E-03	4.04E-03
SHU Zone	5 to	12 =	5.56E+00	2.89E-02	5A	1.58E-02	9.09E-04	5A	1.06E-03	6.11E-05	5A	0.00E+00	0.00E+00	5A	2.15E-04	1.24E-05	5A	9.98E-04	5.74E-05	5A	2.81E-01	1.62E-02	5A	2.20E-01	1.26E-02
SHU Zone	6 to	12 =	9.18E-01	4.77E-03	6A	5.92E-03	5.62E-05	6A	3.31E-04	3.14E-06	6A	0.00E+00	0.00E+00	6A	7.43E-05	7.05E-07	6A	3.39E-04	3.22E-06	6A	2.24E-01	2.12E-03	6A	1.84E-01	1.75E-03
SHU Zone	7 to	12 =	4.17E+01	2.17E-01	7A	9.30E-06	4.00E-06	7A	1.19E-06	5.14E-07	7A	0.00E+00	0.00E+00	7A	3.37E-08	1.45E-08	7A	1.56E-07	6.71E-08	7A	2.84E-04	1.22E-04	7A	2.04E-04	8.78E-05
SHU Zone	8 to	12 =	8.36E+01	4.35E-01	8A	2.14E-10	1.85E-10	8A	3.33E-11	2.88E-11	8A	0.00E+00	0.00E+00	8A	1.98E-13	1.72E-13	8A	1.59E-12	1.38E-12	8A	1.76E-08	1.52E-08	8A	1.32E-08	1.14E-08
SHU Zone	9 to	12 =	1.23E+02	6.39E-01	9A	2.42E-16	3.08E-16	9A	2.90E-17	3.69E-17	9A	0.00E+00	0.00E+00	9A	4.35E-21	5.53E-21	9A	4.93E-20	6.27E-20	9A	1.95E-14	2.48E-14	9A	1.48E-14	1.88E-14
SHU Zone	10 to	12 =	1.53E+02	7.96E-01	10A	1.02E-25	1.61E-25	10A	1.09E-26	1.72E-26	10A	0.00E+00	0.00E+00	10A	2.32E-31	3.68E-31	10A	3.13E-30	4.96E-30	10A	1.00E-23	1.58E-23	10A	7.88E-24	1.25E-23
SHU Zone	11 to	12 =	2.33E+02	1.21E+00	11A	1.66E-37	3.99E-37	11A	1.21E-38	2.91E-38	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	8.03E-34	1.93E-33	11A	1.17E-33	2.81E-33
MHU Zone	1 to	12 =	2.56E+04	1.33E+02	1B	3.99E-13	1.05E-10	1B	2.87E-14	7.60E-12	1B	0.00E+00	0.00E+00	1B	1.50E-27	3.96E-25	1B	1.89E-26	5.01E-24	1B	4.90E-09	1.30E-06	1B	1.52E-08	4.01E-06
MHU Zone	2 to	12 =	3.04E+04	1.58E+02	2B	8.71E-11	2.73E-08	2B	1.46E-11	4.57E-09	2B	0.00E+00	0.00E+00	2B	3.84E-15	1.21E-12	2B	4.15E-14	1.30E-11	2B	2.94E-08	9.22E-06	2B	4.88E-08	1.53E-05
MHU Zone	3 to	12 =	1.74E+04	9.02E+01	3B	3.24E-05	5.82E-03	3B	2.57E-06	4.62E-04	3B	0.00E+00	0.00E+00	3B	7.11E-09	1.28E-06	3B	3.65E-08	6.55E-06	3B	2.47E-05	4.43E-03	3B	2.04E-05	3.66E-03
MHU Zone	4 to	12 =	1.34E+04	6.95E+01	4B	1.18E-02	1.63E+00	4B	8.85E-04	1.22E-01	4B	0.00E+00	0.00E+00	4B	1.19E-05	1.64E-03	4B	2.72E-05	3.76E-03	4B	4.38E-03	6.06E-01	4B	1.99E-03	2.75E-01
MHU Zone	5 to	12 =	8.29E+02	4.31E+00	5B	4.56E-02	3.90E-01	5B	2.85E-03	2.45E-02	5B	0.00E+00	0.00E+00	5B	7.79E-04	6.68E-03	5B	2.78E-03	2.38E-02	5B	5.39E-01	4.61E+00	5B	3.75E-01	3.21E+00
MHU Zone	6 to	12 =	2.71E+02	1.41E+00	6B	1.42E-02	3.98E-02	6B	6.44E-04	1.81E-03	6B	0.00E+00	0.00E+00	6B	2.47E-04	6.92E-04	6B	9.51E-04	2.67E-03	6B	3.38E-01	9.47E-01	6B	2.78E-01	7.81E-01
MHU Zone	7 to	12 =	1.17E+04	6.08E+01	7B	2.91E-05	3.51E-03	7B	3.07E-06	3.71E-04	7B	0.00E+00	0.00E+00	7B	1.78E-07	2.15E-05	7B	4.56E-07	5.51E-05	7B	2.70E-04	3.26E-02	7B	1.31E-04	1.59E-02
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	1.53E-10	5.75E-08	8B	1.56E-11	5.84E-09	8B	0.00E+00	0.00E+00	8B	3.57E-13	1.34E-10	8B	2.64E-12	9.89E-10	8B	5.15E-09	1.93E-06	8B	3.58E-09	1.34E-06
MHU Zone	9 to	12 =	3.71E+04	1.93E+02	9B	1.83E-16	7.03E-14	9B	1.99E-17	7.62E-15	9B	0.00E+00	0.00E+00	9B	1.05E-20	4.03E-18	9B	1.11E-19	4.25E-17	9B	1.29E-14	4.95E-12	9B	9.74E-15	3.74E-12
MHU Zone	10 to	12 =	3.02E+04	1.57E+02	10B	6.31E-25	1.97E-22	10B	6.41E-26	2.00E-23	10B	0.00E+00	0.00E+00	10B	4.41E-30	1.38E-27	10B	5.68E-29	1.77E-26	10B	1.06E-22	3.31E-20	10B	8.19E-23	2.56E-20
MHU Zone	11 to	12 =	2.59E+04	1.35E+02	11B	5.10E-37	1.37E-34	11B	3.39E-38	9.08E-36	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	2.30E-33	6.17E-31	11B	3.08E-33	8.26E-31
DHU Zone	1 to	12 =	2.11E+04	1.10E+02	1C	2.25E-13	4.91E-11	1C	2.46E-14	5.38E-12	1C	0.00E+00	0.00E+00	1C	1.72E-27	3.75E-25	1C	2.17E-26	4.74E-24	1C	2.30E-09	5.02E-07	1C	7.01E-09	1.53E-06
DHU Zone	2 to	12 =	2.36E+04	1.23E+02	2C	4.61E-11	1.13E-08	2C	6.99E-12	1.71E-09	2C	0.00E+00	0.00E+00	2C	4.20E-15	1.03E-12	2C	4.53E-14	1.11E-11	2C	1.14E-08	2.78E-06	2C	2.19E-08	5.34E-06
DHU Zone	3 to	12 =	1.27E+04	6.60E+01	3C	4.51E-05	5.92E-03	3C	4.65E-06	6.11E-04	3C	0.00E+00	0.00E+00	3C	5.54E-09	7.28E-07	3C	3.07E-08	4.03E-06	3C	1.93E-05	2.54E-03	3C	1.16E-05	1.53E-03
DHU Zone	4 to	12 =	9.70E+03	5.04E+01	4C	2.11E-02	2.11E+00	4C	2.00E-03	2.00E-01	4C	0.00E+00	0.00E+00	4C	6.95E-06	6.97E-04	4C	1.66E-05	1.66E-03	4C	6.95E-03	6.97E-01	4C	2.21E-03	2.21E-01
DHU Zone	5 to	12 =	5.30E+02	2.75E+00	5C	3.39E-02	1.85E-01	5C	5.19E-03	2.84E-02	5C	0.00E+00	0.00E+00	5C	4.38E-04	2.40E-03	5C	1.94E-03	1.06E-02	5C	1.09E+00	5.98E+00	5C	6.26E-01	3.43E+00
DHU Zone	6 to	12 =	1.32E+02	6.88E-01	6C	8.41E-03	1.15E-02	6C	2.20E-03	3.01E-03	6C	0.00E+00	0.00E+00	6C	1.36E-04	1.87E-04	6C	6.93E-04	9.48E-04	6C	1.20E+00	1.64E+00	6C	7.18E-01	9.83E-01
DHU Zone	7 to	12 =	7.62E+03	3.96E+01	7C	2.45E-05	1.93E-03	7C	3.93E-06	3.10E-04	7C	0.00E+00	0.00E+00	7C	1.61E-07	1.27E-05	7C	4.42E-07	3.48E-05	7C	3.63E-04	2.85E-02	7C	1.46E-04	1.15E-02
DHU Zone	8 to	12 =	2.53E+04	1.32E+02	8C	1.14E-10	2.98E-08	8C	1.90E-11	4.97E-09	8C	0.00E+00	0.00E+00	8C	3.66E-13	9.58E-11	8C	2.71E-12	7.09E-10	8C	5.66E-09	1.48E-06	8C	3.59E-09	9.41E-07
DHU Zone	9 to	12 =	2.62E+04	1.36E+02	9C	1.62E-16	4.38E-14	9C	2.45E-17	6.64E-15	9C	0.00E+00	0.00E+00	9C	1.19E-20	3.23E-18	9C	1.26E-19	3.41E-17	9C	1.59E-14	4.31E-12	9C	1.18E-14	3.20E-12
DHU Zone	10 to	12 =	2.19E+04	1.14E+02	10C	5.13E-25	1.16E-22	10C	7.60E-26	1.72E-23	10C	0.00E+00	0.00E+00	10C	4.70E-30	1.06E-27	10C	6.05E-29	1.37E-26	10C	1.25E-22	2.83E-20	10C	9.58E-23	2.17E-20
DHU Zone	11 to	12 =	2.01E+04	1.04E+02	11C	4.67E-37	9.70E-35	11C	4.60E-38	9.54E-36	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	3.05E-33	6.33E-31	11C	4.06E-33	8.43E-31

total mass discharge into the river adjacent to Site	4.39E+00 kg/yr	3.83E-01 kg/yr	0.00E+00 kg/yr	1.23E-02 kg/yr	4.36E-02 kg/yr	1.46E+01 kg/yr	8.96E+00 kg/yr
Percent Capture by GMCS	98 %	99 %	#DIV/0! %	99 %	98 %	98 %	97 %

APPENDIX 6.3b
Calculation of Mass Flux - Clayton Chemical Source Zone
Simulation time 2010

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010			Conc in 2010	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.13E+02	1.63E+00	1A	9.71E-13	3.14E-12	1A	1.07E-13	3.47E-13	1A	0.00E+00	0.00E+00	1A	4.04E-34	1.31E-33	1A	6.23E-33	2.02E-32	1A	1.86E-08	6.03E-08	1A	5.80E-08	1.88E-07
SHU Zone	2 to	12 =	2.76E+02	1.43E+00	2A	4.61E-10	1.31E-09	2A	1.19E-10	3.39E-10	2A	0.00E+00	0.00E+00	2A	1.54E-17	4.38E-17	2A	1.52E-16	4.34E-16	2A	1.45E-07	4.13E-07	2A	2.36E-07	6.72E-07
SHU Zone	3 to	12 =	9.78E+01	5.08E-01	3A	6.72E-06	6.79E-06	3A	6.17E-07	6.23E-07	3A	0.00E+00	0.00E+00	3A	5.27E-10	5.32E-10	3A	3.25E-09	3.28E-09	3A	9.95E-05	1.01E-04	3A	1.15E-04	1.17E-04
SHU Zone	4 to	12 =	8.70E+01	4.52E-01	4A	3.75E-03	3.37E-03	4A	3.12E-04	2.80E-04	4A	0.00E+00	0.00E+00	4A	1.22E-06	1.10E-06	4A	4.73E-06	4.25E-06	4A	3.10E-03	2.78E-03	4A	2.46E-03	2.21E-03
SHU Zone	5 to	12 =	9.84E+01	5.11E-01	5A	1.23E-01	1.25E-01	5A	1.08E-02	1.10E-02	5A	0.00E+00	0.00E+00	5A	3.53E-04	3.59E-04	5A	8.58E-04	8.72E-04	5A	2.58E-01	2.63E-01	5A	1.23E-01	1.26E-01
SHU Zone	6 to	12 =	1.07E+02	5.55E-01	6A	1.16E-01	1.28E-01	6A	1.23E-02	1.35E-02	6A	0.00E+00	0.00E+00	6A	8.46E-04	9.33E-04	6A	1.59E-03	1.76E-03	6A	5.25E-01	5.79E-01	6A	2.71E-01	2.99E-01
SHU Zone	7 to	12 =	7.87E+01	4.09E-01	7A	5.45E-05	4.44E-05	7A	6.48E-06	5.27E-06	7A	0.00E+00	0.00E+00	7A	6.52E-08	5.31E-08	7A	2.26E-07	1.84E-07	7A	3.70E-04	3.01E-04	7A	2.00E-04	1.63E-04
SHU Zone	8 to	12 =	8.35E+01	4.34E-01	8A	5.80E-11	5.00E-11	8A	5.53E-12	4.77E-12	8A	0.00E+00	0.00E+00	8A	3.01E-14	2.60E-14	8A	2.03E-13	1.75E-13	8A	6.05E-10	5.22E-10	8A	3.73E-10	3.22E-10
SHU Zone	9 to	12 =	1.22E+02	6.34E-01	9A	4.35E-19	5.48E-19	9A	4.45E-20	5.61E-20	9A	0.00E+00	0.00E+00	9A	2.47E-23	3.12E-23	9A	2.95E-22	3.72E-22	9A	2.88E-17	3.63E-17	9A	2.45E-17	3.09E-17
SHU Zone	10 to	12 =	1.53E+02	7.93E-01	10A	2.56E-28	4.04E-28	10A	2.26E-29	3.56E-29	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	1.74E-25	2.74E-25	10A	1.98E-25	3.13E-25
SHU Zone	11 to	12 =	2.32E+02	1.21E+00	11A	9.61E-38	2.31E-37	11A	6.04E-39	1.45E-38	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	6.45E-34	1.55E-33	11A	9.59E-34	2.30E-33
MHU Zone	1 to	12 =	2.55E+04	1.32E+02	1B	4.88E-13	1.28E-10	1B	3.74E-14	9.83E-12	1B	0.00E+00	0.00E+00	1B	1.51E-32	3.98E-30	1B	2.22E-31	5.85E-29	1B	5.15E-09	1.35E-06	1B	1.59E-08	4.19E-06
MHU Zone	2 to	12 =	3.00E+04	1.56E+02	2B	7.88E-11	2.45E-08	2B	1.77E-11	5.48E-09	2B	0.00E+00	0.00E+00	2B	1.01E-16	3.13E-14	2B	9.52E-16	2.95E-13	2B	3.03E-08	9.40E-06	2B	5.05E-08	1.57E-05
MHU Zone	3 to	12 =	1.70E+04	8.85E+01	3B	1.91E-05	3.36E-03	3B	1.52E-06	2.67E-04	3B	0.00E+00	0.00E+00	3B	2.58E-09	4.53E-07	3B	1.29E-08	2.26E-06	3B	1.70E-05	2.99E-03	3B	1.64E-05	2.88E-03
MHU Zone	4 to	12 =	1.57E+04	8.13E+01	4B	1.10E-02	1.78E+00	4B	8.32E-04	1.35E-01	4B	0.00E+00	0.00E+00	4B	5.56E-06	8.99E-04	4B	1.51E-05	2.45E-03	4B	3.71E-03	6.01E-01	4B	1.58E-03	2.56E-01
MHU Zone	5 to	12 =	1.82E+04	9.47E+01	5B	4.02E-01	7.56E+01	5B	3.19E-02	6.01E+00	5B	0.00E+00	0.00E+00	5B	1.59E-03	2.99E-01	5B	2.56E-03	4.81E-01	5B	5.81E-01	1.09E+02	5B	2.11E-01	3.98E+01
MHU Zone	6 to	12 =	2.52E+04	1.31E+02	6B	3.33E-01	8.68E+01	6B	3.18E-02	8.29E+00	6B	0.00E+00	0.00E+00	6B	3.17E-03	8.28E-01	6B	3.73E-03	9.73E-01	6B	1.10E+00	2.87E+02	6B	4.87E-01	1.27E+02
MHU Zone	7 to	12 =	2.14E+04	1.11E+02	7B	1.49E-04	3.28E-02	7B	1.58E-05	3.50E-03	7B	0.00E+00	0.00E+00	7B	2.61E-07	5.76E-05	7B	6.07E-07	1.34E-04	7B	7.67E-04	1.69E-01	7B	3.65E-04	8.07E-02
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	1.26E-10	4.70E-08	8B	1.13E-11	4.23E-09	8B	0.00E+00	0.00E+00	8B	1.03E-13	3.86E-11	8B	6.09E-13	2.28E-10	8B	1.43E-09	5.35E-07	8B	8.52E-10	3.19E-07
MHU Zone	9 to	12 =	3.68E+04	1.91E+02	9B	8.60E-19	3.28E-16	9B	8.13E-20	3.10E-17	9B	0.00E+00	0.00E+00	9B	1.53E-22	5.83E-20	9B	1.75E-21	6.67E-19	9B	4.96E-17	1.89E-14	9B	3.77E-17	1.44E-14
MHU Zone	10 to	12 =	3.01E+04	1.56E+02	10B	8.73E-28	2.71E-25	10B	7.33E-29	2.28E-26	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	4.71E-25	1.47E-22	10B	5.00E-25	1.55E-22
MHU Zone	11 to	12 =	2.59E+04	1.34E+02	11B	2.77E-37	7.42E-35	11B	1.57E-38	4.19E-36	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	1.64E-33	4.37E-31	11B	2.24E-33	5.99E-31
DHU Zone	1 to	12 =	2.10E+04	1.09E+02	1C	2.80E-13	6.07E-11	1C	3.35E-14	7.26E-12	1C	0.00E+00	0.00E+00	1C	1.59E-32	3.45E-30	1C	2.35E-31	5.10E-29	1C	2.47E-09	5.37E-07	1C	7.57E-09	1.64E-06
DHU Zone	2 to	12 =	2.34E+04	1.21E+02	2C	2.87E-11	6.92E-09	2C	6.06E-12	1.46E-09	2C	0.00E+00	0.00E+00	2C	1.11E-16	2.67E-14	2C	1.05E-15	2.52E-13	2C	1.17E-08	2.82E-06	2C	2.26E-08	5.46E-06
DHU Zone	3 to	12 =	1.25E+04	6.48E+01	3C	2.59E-05	3.34E-03	3C	2.72E-06	3.51E-04	3C	0.00E+00	0.00E+00	3C	2.12E-09	2.73E-07	3C	1.09E-08	1.41E-06	3C	1.19E-05	1.53E-03	3C	8.39E-06	1.08E-03
DHU Zone	4 to	12 =	1.13E+04	5.88E+01	4C	1.89E-02	2.22E+00	4C	1.80E-03	2.11E-01	4C	0.00E+00	0.00E+00	4C	3.65E-06	4.28E-04	4C	1.03E-05	1.21E-03	4C	6.17E-03	7.23E-01	4C	1.94E-03	2.27E-01
DHU Zone	5 to	12 =	1.22E+04	6.34E+01	5C	6.28E-01	7.93E+01	5C	5.99E-02	7.56E+00	5C	0.00E+00	0.00E+00	5C	8.37E-04	1.06E-01	5C	1.57E-03	1.98E-01	5C	1.01E+00	1.28E+02	5C	2.51E-01	3.17E+01
DHU Zone	6 to	12 =	1.64E+04	8.53E+01	6C	2.72E-01	4.61E+01	6C	5.19E-02	8.80E+00	6C	0.00E+00	0.00E+00	6C	1.27E-03	2.15E-01	6C	1.86E-03	3.16E-01	6C	2.30E+00	3.90E+02	6C	4.73E-01	8.03E+01
DHU Zone	7 to	12 =	1.38E+04	7.16E+01	7C	1.23E-04	1.76E-02	7C	2.22E-05	3.16E-03	7C	0.00E+00	0.00E+00	7C	2.01E-07	2.86E-05	7C	4.79E-07	6.83E-05	7C	1.19E-03	1.70E-01	7C	3.81E-04	5.43E-02
DHU Zone	8 to	12 =	2.53E+04	1.31E+02	8C	9.21E-11	2.41E-08	8C	1.52E-11	3.96E-09	8C	0.00E+00	0.00E+00	8C	9.52E-14	2.49E-11	8C	5.67E-13	1.48E-10	8C	2.04E-09	5.34E-07	8C	1.01E-09	2.65E-07
DHU Zone	9 to	12 =	2.60E+04	1.35E+02	9C	7.59E-19	2.04E-16	9C	1.04E-19	2.81E-17	9C	0.00E+00	0.00E+00	9C	1.79E-22	4.82E-20	9C	2.05E-21	5.50E-19	9C	6.35E-17	1.71E-14	9C	4.68E-17	1.26E-14
DHU Zone	10 to	12 =	2.18E+04	1.13E+02	10C	6.70E-28	1.51E-25	10C	8.36E-29	1.89E-26	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	5.63E-25	1.27E-22	10C	5.95E-25	1.34E-22
DHU Zone	11 to	12 =	2.00E+04	1.04E+02	11C	2.57E-37	5.32E-35	11C	2.16E-38	4.48E-36	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	2.15E-33	4.46E-31	11C	2.93E-33	6.07E-31
						total mass going into the	kg/yr			3.10E+01	kg/yr		0.00E+00	kg/yr		1.45E+00	kg/yr		1.97E+00	kg/yr		9.17E+02	kg/yr		2.80E+02	kg/y

APPENDIX 6.3c
Calculation of Mass Flux - Clayton Chemical Source Zone
Simulation time 2020

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.40E+02	3.33E+00	1A	3.74E-18	2.47E-17	1A	1.27E-18	8.38E-18	1A	0.00E+00	0.00E+00	1A	3.04E-27	2.01E-26	1A	8.48E-26	5.61E-25	1A	4.81E-11	3.19E-10	1A	1.86E-10	1.23E-09
SHU Zone	2 to	12 =	4.89E+02	2.54E+00	2A	5.47E-12	2.76E-11	2A	4.96E-13	2.50E-12	2A	0.00E+00	0.00E+00	2A	5.30E-16	2.68E-15	2A	4.71E-15	2.38E-14	2A	4.69E-10	2.37E-09	2A	1.48E-09	7.47E-09
SHU Zone	3 to	12 =	1.62E+02	8.40E-01	3A	3.62E-05	6.06E-05	3A	2.98E-06	4.98E-06	3A	0.00E+00	0.00E+00	3A	6.70E-09	1.12E-08	3A	2.91E-08	4.86E-08	3A	5.23E-06	8.75E-06	3A	2.54E-06	4.25E-06
SHU Zone	4 to	12 =	1.20E+02	6.24E-01	4A	1.25E-02	1.55E-02	4A	9.79E-04	1.22E-03	4A	0.00E+00	0.00E+00	4A	6.04E-06	7.51E-06	4A	1.87E-05	2.32E-05	4A	2.22E-03	2.75E-03	4A	8.31E-04	1.03E-03
SHU Zone	5 to	12 =	8.18E+00	4.25E-02	5A	1.75E-02	1.48E-03	5A	1.23E-03	1.04E-04	5A	0.00E+00	0.00E+00	5A	2.28E-04	1.93E-05	5A	1.08E-03	9.14E-05	5A	2.21E-01	1.86E-02	5A	1.66E-01	1.40E-02
SHU Zone	6 to	12 =	1.18E+00	6.11E-03	6A	6.94E-03	8.43E-05	6A	3.24E-04	3.94E-06	6A	0.00E+00	0.00E+00	6A	1.35E-04	1.64E-06	6A	6.81E-04	8.28E-06	6A	1.06E-01	1.28E-03	6A	1.22E-01	1.49E-03
SHU Zone	7 to	12 =	5.81E+01	3.02E-01	7A	2.91E-05	1.75E-05	7A	3.18E-06	1.91E-06	7A	0.00E+00	0.00E+00	7A	1.49E-07	8.97E-08	7A	5.65E-07	3.39E-07	7A	2.21E-04	1.33E-04	7A	1.09E-04	6.58E-05
SHU Zone	8 to	12 =	1.12E+02	5.80E-01	8A	8.38E-10	9.66E-10	8A	7.54E-11	8.71E-11	8A	0.00E+00	0.00E+00	8A	8.17E-13	9.42E-13	8A	4.59E-12	5.29E-12	8A	4.56E-09	5.26E-09	8A	2.56E-09	2.95E-09
SHU Zone	9 to	12 =	1.52E+02	7.89E-01	9A	3.88E-18	6.09E-18	9A	4.03E-19	6.33E-19	9A	0.00E+00	0.00E+00	9A	3.71E-21	5.83E-21	9A	4.78E-20	7.51E-20	9A	1.25E-16	1.96E-16	9A	1.02E-16	1.60E-16
SHU Zone	10 to	12 =	1.79E+02	9.31E-01	10A	1.29E-27	2.39E-27	10A	1.35E-28	2.50E-28	10A	0.00E+00	0.00E+00	10A	1.25E-30	2.32E-30	10A	3.93E-29	7.28E-29	10A	9.26E-25	1.72E-24	10A	1.28E-24	2.37E-24
SHU Zone	11 to	12 =	2.63E+02	1.37E+00	11A	5.40E-36	1.47E-35	11A	8.14E-37	2.21E-36	11A	0.00E+00	0.00E+00	11A	1.24E-39	3.36E-39	11A	1.27E-37	3.44E-37	11A	6.32E-32	1.72E-31	11A	9.50E-32	2.58E-31
MHU Zone	1 to	12 =	5.17E+04	2.69E+02	1B	1.18E-18	6.31E-16	1B	3.44E-19	1.84E-16	1B	0.00E+00	0.00E+00	1B	8.63E-27	4.61E-24	1B	1.68E-25	9.00E-23	1B	9.30E-12	4.98E-09	1B	3.60E-11	1.92E-08
MHU Zone	2 to	12 =	5.21E+04	2.71E+02	2B	9.41E-12	5.07E-09	2B	7.67E-13	4.13E-10	2B	0.00E+00	0.00E+00	2B	1.32E-15	7.10E-13	2B	8.86E-15	4.77E-12	2B	1.55E-10	8.35E-08	2B	4.98E-10	2.68E-07
MHU Zone	3 to	12 =	2.82E+04	1.47E+02	3B	7.71E-05	2.25E-02	3B	5.94E-06	1.74E-03	3B	0.00E+00	0.00E+00	3B	2.16E-08	6.29E-06	3B	6.64E-08	1.94E-05	3B	9.46E-06	2.76E-03	3B	3.08E-06	8.98E-04
MHU Zone	4 to	12 =	2.17E+04	1.13E+02	4B	2.73E-02	6.13E+00	4B	2.01E-03	4.52E-01	4B	0.00E+00	0.00E+00	4B	1.99E-05	4.47E-03	4B	4.14E-05	9.30E-03	4B	4.36E-03	9.79E-01	4B	1.24E-03	2.79E-01
MHU Zone	5 to	12 =	1.29E+03	6.71E+00	5B	6.07E-02	8.10E-01	5B	3.99E-03	5.33E-02	5B	0.00E+00	0.00E+00	5B	1.10E-03	1.47E-02	5B	3.63E-03	4.84E-02	5B	5.11E-01	6.83E+00	5B	3.09E-01	4.13E+00
MHU Zone	6 to	12 =	3.45E+02	1.79E+00	6B	2.17E-02	7.74E-02	6B	9.97E-04	3.56E-03	6B	0.00E+00	0.00E+00	6B	5.60E-04	2.00E-03	6B	2.09E-03	7.46E-03	6B	2.30E-01	8.19E-01	6B	2.28E-01	8.13E-01
MHU Zone	7 to	12 =	1.62E+04	8.41E+01	7B	8.69E-05	1.46E-02	7B	8.57E-06	1.43E-03	7B	0.00E+00	0.00E+00	7B	6.54E-07	1.09E-04	7B	1.64E-06	2.75E-04	7B	5.20E-04	8.71E-02	7B	2.04E-04	3.41E-02
MHU Zone	8 to	12 =	4.79E+04	2.49E+02	8B	1.38E-09	6.81E-07	8B	1.24E-10	6.14E-08	8B	0.00E+00	0.00E+00	8B	2.32E-12	1.15E-09	8B	1.10E-11	5.43E-09	8B	9.68E-09	4.79E-06	8B	5.06E-09	2.50E-06
MHU Zone	9 to	12 =	4.56E+04	2.37E+02	9B	6.97E-18	3.28E-15	9B	6.80E-19	3.20E-16	9B	0.00E+00	0.00E+00	9B	1.01E-20	4.78E-18	9B	1.07E-19	5.05E-17	9B	2.03E-16	9.55E-14	9B	1.36E-16	6.43E-14
MHU Zone	10 to	12 =	3.54E+04	1.84E+02	10B	4.01E-27	1.47E-24	10B	3.61E-28	1.32E-25	10B	0.00E+00	0.00E+00	10B	6.17E-30	2.26E-27	10B	1.52E-28	5.58E-26	10B	9.16E-25	3.36E-22	10B	9.78E-25	3.58E-22
MHU Zone	11 to	12 =	2.93E+04	1.52E+02	11B	6.18E-36	1.87E-33	11B	7.45E-37	2.26E-34	11B	0.00E+00	0.00E+00	11B	4.06E-39	1.23E-36	11B	2.11E-37	6.39E-35	11B	2.01E-32	6.08E-30	11B	2.94E-32	8.92E-30
DHU Zone	1 to	12 =	4.27E+04	2.22E+02	1C	5.11E-19	2.26E-16	1C	1.54E-19	6.79E-17	1C	0.00E+00	0.00E+00	1C	1.02E-26	4.51E-24	1C	1.94E-25	8.58E-23	1C	3.22E-12	1.42E-09	1C	1.24E-11	5.49E-09
DHU Zone	2 to	12 =	4.06E+04	2.11E+02	2C	1.01E-11	4.24E-09	2C	1.04E-12	4.35E-10	2C	0.00E+00	0.00E+00	2C	1.45E-15	6.10E-13	2C	9.68E-15	4.06E-12	2C	1.52E-10	6.37E-08	2C	5.14E-10	2.16E-07
DHU Zone	3 to	12 =	2.07E+04	1.08E+02	3C	1.15E-04	2.46E-02	3C	1.04E-05	2.23E-03	3C	0.00E+00	0.00E+00	3C	1.65E-08	3.53E-06	3C	5.26E-08	1.12E-05	3C	1.41E-05	3.02E-03	3C	4.03E-06	8.63E-04
DHU Zone	4 to	12 =	1.58E+04	8.19E+01	4C	5.22E-02	8.51E+00	4C	4.47E-03	7.29E-01	4C	0.00E+00	0.00E+00	4C	1.18E-05	1.92E-03	4C	2.56E-05	4.17E-03	4C	7.80E-03	1.27E+00	4C	1.73E-03	2.82E-01
DHU Zone	5 to	12 =	8.41E+02	4.37E+00	5C	5.20E-02	4.52E-01	5C	7.11E-03	6.18E-02	5C	0.00E+00	0.00E+00	5C	6.19E-04	5.38E-03	5C	2.41E-03	2.10E-02	5C	9.68E-01	8.42E+00	5C	4.87E-01	4.24E+00
DHU Zone	6 to	12 =	1.73E+02	9.01E-01	6C	1.50E-02	2.68E-02	6C	3.70E-03	6.64E-03	6C	0.00E+00	0.00E+00	6C	2.06E-04	3.69E-04	6C	1.22E-03	2.19E-03	6C	1.36E+00	2.44E+00	6C	8.71E-01	1.56E+00
DHU Zone	7 to	12 =	1.06E+04	5.49E+01	7C	7.16E-05	7.82E-03	7C	1.14E-05	1.24E-03	7C	0.00E+00	0.00E+00	7C	5.99E-07	6.54E-05	7C	1.57E-06	1.71E-04	7C	7.45E-04	8.13E-02	7C	2.39E-04	2.61E-02
DHU Zone	8 to	12 =	3.34E+04	1.74E+02	8C	1.09E-09	3.75E-07	8C	1.57E-10	5.44E-08	8C	0.00E+00	0.00E+00	8C	2.14E-12	7.40E-10	8C	1.02E-11	3.54E-09	8C	1.35E-08	4.67E-06	8C	5.79E-09	2.00E-06
DHU Zone	9 to	12 =	3.22E+04	1.67E+02	9C	6.72E-18	2.23E-15	9C	8.70E-19	2.89E-16	9C	0.00E+00	0.00E+00	9C	1.21E-20	4.01E-18	9C	1.27E-19	4.22E-17	9C	2.59E-16	8.61E-14	9C	1.70E-16	5.64E-14
DHU Zone	10 to	12 =	2.57E+04	1.34E+02	10C	3.44E-27	9.13E-25	10C	4.35E-28	1.16E-25	10C	0.00E+00	0.00E+00	10C	7.14E-30	1.90E-27	10C	1.77E-28	4.69E-26	10C	1.03E-24	2.73E-22	10C	1.07E-24	2.84E-22
DHU Zone	11 to	12 =	2.27E+04	1.18E+02	11C	5.42E-36	1.27E-33	11C	8.85E-37	2.08E-34	11C	0.00E+00	0.00E+00	11C	4.90E-39	1.15E-36	11C	2.68E-37	6.29E-35	11C	1.78E-32	4.18E-30	11C	2.58E-32	6.05E-30

total mass discharge into the river adjacent to Site	1.61E+01 kg/yr		1.31E+00 kg/yr		0.00E+00 kg/yr		2.91E-02 kg/yr		9.31E-02 kg/yr		2.09E+01 kg/yr		1.14E+01 kg/yr
Percent Capture by GMCS	97 %		98 %		#DIV/0! %		99 %		97 %		98 %		96 %

APPENDIX 6.3c
Calculation of Mass Flux - Clayton Chemical Source Zone
Simulation time 2020

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.28E+02	3.26E+00	1A	5.14E-18	3.34E-17	1A	1.94E-18	1.26E-17	1A	0.00E+00	0.00E+00	1A	3.78E-29	2.46E-28	1A	1.89E-27	1.23E-26	1A	5.18E-11	3.37E-10	1A	2.00E-10	1.30E-09
SHU Zone	2 to	12 =	4.68E+02	2.43E+00	2A	1.78E-13	8.60E-13	2A	1.81E-14	8.75E-14	2A	0.00E+00	0.00E+00	2A	4.68E-18	2.26E-17	2A	5.32E-17	2.57E-16	2A	5.03E-10	2.43E-09	2A	1.58E-09	7.64E-09
SHU Zone	3 to	12 =	1.48E+02	7.68E-01	3A	1.67E-06	2.55E-06	3A	1.40E-07	2.14E-07	3A	0.00E+00	0.00E+00	3A	7.76E-11	1.19E-10	3A	4.09E-10	6.24E-10	3A	4.82E-07	7.36E-07	3A	6.55E-07	1.00E-06
SHU Zone	4 to	12 =	1.26E+02	6.54E-01	4A	2.05E-03	2.67E-03	4A	1.63E-04	2.13E-04	4A	0.00E+00	0.00E+00	4A	2.91E-07	3.78E-07	4A	9.85E-07	1.28E-06	4A	3.09E-04	4.01E-04	4A	1.26E-04	1.64E-04
SHU Zone	5 to	12 =	1.38E+02	7.15E-01	5A	1.61E-01	2.29E-01	5A	1.33E-02	1.89E-02	5A	0.00E+00	0.00E+00	5A	2.31E-04	3.29E-04	5A	4.90E-04	6.97E-04	5A	1.33E-01	1.90E-01	5A	4.66E-02	6.63E-02
SHU Zone	6 to	12 =	1.45E+02	7.52E-01	6A	2.37E-01	3.54E-01	6A	2.44E-02	3.64E-02	6A	0.00E+00	0.00E+00	6A	1.98E-03	2.97E-03	6A	3.27E-03	4.89E-03	6A	7.65E-01	1.14E+00	6A	2.96E-01	4.43E-01
SHU Zone	7 to	12 =	1.02E+02	5.28E-01	7A	2.07E-04	2.18E-04	7A	2.40E-05	2.52E-05	7A	0.00E+00	0.00E+00	7A	3.30E-07	3.46E-07	7A	9.06E-07	9.52E-07	7A	8.85E-04	9.30E-04	7A	3.80E-04	3.99E-04
SHU Zone	8 to	12 =	1.04E+02	5.40E-01	8A	2.28E-10	2.45E-10	8A	2.22E-11	2.38E-11	8A	0.00E+00	0.00E+00	8A	1.86E-13	2.00E-13	8A	9.24E-13	9.93E-13	8A	1.36E-09	1.46E-09	8A	7.02E-10	7.54E-10
SHU Zone	9 to	12 =	1.46E+02	7.57E-01	9A	1.55E-18	2.33E-18	9A	1.62E-19	2.44E-19	9A	0.00E+00	0.00E+00	9A	1.09E-21	1.64E-21	9A	1.35E-20	2.03E-20	9A	4.37E-17	6.58E-17	9A	3.08E-17	4.64E-17
SHU Zone	10 to	12 =	1.75E+02	9.10E-01	10A	6.75E-28	1.22E-27	10A	6.65E-29	1.20E-28	10A	0.00E+00	0.00E+00	10A	4.47E-31	8.10E-31	10A	1.41E-29	2.55E-29	10A	1.27E-25	2.31E-25	10A	1.30E-25	2.35E-25
SHU Zone	11 to	12 =	2.59E+02	1.35E+00	11A	6.10E-37	1.63E-36	11A	5.30E-38	1.42E-37	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	2.44E-38	6.55E-38	11A	1.00E-33	2.69E-33	11A	1.37E-33	3.66E-33
MHU Zone	1 to	12 =	5.08E+04	2.64E+02	1B	1.76E-18	9.23E-16	1B	5.45E-19	2.86E-16	1B	0.00E+00	0.00E+00	1B	7.87E-29	4.13E-26	1B	2.27E-27	1.19E-24	1B	1.00E-11	5.25E-09	1B	3.86E-11	2.03E-08
MHU Zone	2 to	12 =	4.98E+04	2.59E+02	2B	2.86E-13	1.47E-10	2B	2.31E-14	1.19E-11	2B	0.00E+00	0.00E+00	2B	1.13E-17	5.83E-15	2B	9.15E-17	4.71E-14	2B	1.63E-10	8.39E-08	2B	5.28E-10	2.72E-07
MHU Zone	3 to	12 =	2.58E+04	1.34E+02	3B	3.72E-06	9.90E-04	3B	2.88E-07	7.68E-05	3B	0.00E+00	0.00E+00	3B	2.58E-10	6.88E-08	3B	9.54E-10	2.54E-07	3B	3.96E-07	1.06E-04	3B	2.33E-07	6.22E-05
MHU Zone	4 to	12 =	2.27E+04	1.18E+02	4B	4.73E-03	1.11E+00	4B	3.50E-04	8.22E-02	4B	0.00E+00	0.00E+00	4B	1.00E-06	2.36E-04	4B	2.26E-06	5.31E-04	4B	5.89E-04	1.38E-01	4B	1.68E-04	3.94E-02
MHU Zone	5 to	12 =	2.54E+04	1.32E+02	5B	4.18E-01	1.10E+02	5B	3.20E-02	8.42E+00	5B	0.00E+00	0.00E+00	5B	8.00E-04	2.10E-01	5B	1.08E-03	2.85E-01	5B	2.73E-01	7.16E+01	5B	6.55E-02	1.72E+01
MHU Zone	6 to	12 =	3.37E+04	1.75E+02	6B	5.52E-01	1.92E+02	6B	5.24E-02	1.83E+01	6B	0.00E+00	0.00E+00	6B	6.09E-03	2.12E+00	6B	6.19E-03	2.16E+00	6B	1.45E+00	5.05E+02	6B	4.24E-01	1.48E+02
MHU Zone	7 to	12 =	2.74E+04	1.43E+02	7B	4.83E-04	1.37E-01	7B	5.11E-05	1.45E-02	7B	0.00E+00	0.00E+00	7B	1.13E-06	3.21E-04	7B	1.98E-06	5.63E-04	7B	1.71E-03	4.85E-01	7B	5.75E-04	1.63E-01
MHU Zone	8 to	12 =	4.47E+04	2.32E+02	8B	4.38E-10	2.02E-07	8B	4.14E-11	1.91E-08	8B	0.00E+00	0.00E+00	8B	5.48E-13	2.54E-10	8B	2.26E-12	1.05E-09	8B	2.95E-09	1.36E-06	8B	1.41E-09	6.53E-07
MHU Zone	9 to	12 =	4.38E+04	2.27E+02	9B	2.84E-18	1.28E-15	9B	2.79E-19	1.26E-16	9B	0.00E+00	0.00E+00	9B	3.02E-21	1.36E-18	9B	3.03E-20	1.37E-17	9B	7.95E-17	3.60E-14	9B	5.05E-17	2.28E-14
MHU Zone	10 to	12 =	3.46E+04	1.80E+02	10B	2.07E-27	7.42E-25	10B	1.91E-28	6.82E-26	10B	0.00E+00	0.00E+00	10B	2.21E-30	7.91E-28	10B	5.46E-29	1.95E-26	10B	3.28E-25	1.17E-22	10B	2.89E-25	1.03E-22
MHU Zone	11 to	12 =	2.89E+04	1.50E+02	11B	1.34E-36	4.01E-34	11B	1.06E-37	3.18E-35	11B	0.00E+00	0.00E+00	11B	2.47E-40	7.39E-38	11B	7.28E-38	2.17E-35	11B	1.84E-33	5.49E-31	11B	2.31E-33	6.89E-31
DHU Zone	1 to	12 =	4.19E+04	2.18E+02	1C	7.64E-19	3.31E-16	1C	2.46E-19	1.06E-16	1C	0.00E+00	0.00E+00	1C	9.12E-29	3.95E-26	1C	2.45E-27	1.06E-24	1C	3.44E-12	1.49E-09	1C	1.33E-11	5.76E-09
DHU Zone	2 to	12 =	3.88E+04	2.02E+02	2C	3.32E-13	1.33E-10	2C	3.62E-14	1.45E-11	2C	0.00E+00	0.00E+00	2C	1.28E-17	5.13E-15	2C	1.01E-16	4.06E-14	2C	1.59E-10	6.39E-08	2C	5.48E-10	2.20E-07
DHU Zone	3 to	12 =	1.89E+04	9.82E+01	3C	5.09E-06	9.94E-04	3C	4.80E-07	9.37E-05	3C	0.00E+00	0.00E+00	3C	2.19E-10	4.27E-08	3C	8.28E-10	1.62E-07	3C	5.30E-07	1.03E-04	3C	2.54E-07	4.97E-05
DHU Zone	4 to	12 =	1.64E+04	8.54E+01	4C	8.08E-03	1.37E+00	4C	7.05E-04	1.20E-01	4C	0.00E+00	0.00E+00	4C	6.70E-07	1.14E-04	4C	1.56E-06	2.66E-04	4C	9.57E-04	1.63E-01	4C	2.21E-04	3.76E-02
DHU Zone	5 to	12 =	1.71E+04	8.86E+01	5C	7.03E-01	1.24E+02	5C	6.05E-02	1.07E+01	5C	0.00E+00	0.00E+00	5C	4.49E-04	7.91E-02	5C	6.73E-04	1.19E-01	5C	4.65E-01	8.19E+01	5C	8.16E-02	1.44E+01
DHU Zone	6 to	12 =	2.20E+04	1.14E+02	6C	4.73E-01	1.07E+02	6C	8.33E-02	1.89E+01	6C	0.00E+00	0.00E+00	6C	2.43E-03	5.53E-01	6C	2.98E-03	6.78E-01	6C	2.97E+00	6.75E+02	6C	4.36E-01	9.91E+01
DHU Zone	7 to	12 =	1.77E+04	9.20E+01	7C	4.16E-04	7.61E-02	7C	7.11E-05	1.30E-02	7C	0.00E+00	0.00E+00	7C	8.38E-07	1.53E-04	7C	1.50E-06	2.74E-04	7C	2.64E-03	4.83E-01	7C	5.98E-04	1.09E-01
DHU Zone	8 to	12 =	3.13E+04	1.62E+02	8C	3.48E-10	1.12E-07	8C	5.33E-11	1.72E-08	8C	0.00E+00	0.00E+00	8C	4.97E-13	1.61E-10	8C	2.07E-12	6.70E-10	8C	4.15E-09	1.34E-06	8C	1.64E-09	5.31E-07
DHU Zone	9 to	12 =	3.09E+04	1.61E+02	9C	2.66E-18	8.48E-16	9C	3.54E-19	1.13E-16	9C	0.00E+00	0.00E+00	9C	3.52E-21	1.13E-18	9C	3.54E-20	1.13E-17	9C	1.01E-16	3.24E-14	9C	6.21E-17	1.98E-14
DHU Zone	10 to	12 =	2.51E+04	1.31E+02	10C	1.77E-27	4.60E-25	10C	2.25E-28	5.83E-26	10C	0.00E+00	0.00E+00	10C	2.54E-30	6.61E-28	10C	6.30E-29	1.64E-26	10C	3.87E-25	1.00E-22	10C	3.37E-25	8.76E-23
DHU Zone	11 to	12 =	2.24E+04	1.16E+02	11C	1.28E-36	2.95E-34	11C	1.42E-37	3.28E-35	11C	0.00E+00	0.00E+00	11C	4.45E-40	1.03E-37	11C	9.60E-38	2.22E-35	11C	2.37E-33	5.49E-31	11C	2.95E-33	6.83E-31
			total mass going into the		kg/yr		5.37E+02	kg/yr		5.66E+01	kg/yr		0.00E+00	kg/yr		2.97E+00	kg/yr		3.25E+00	kg/yr		1.34E+03	kg/yr		2.79E+02	kg/y

APPENDIX 6.3d
Calculation of Mass Flux - Clayton Chemical Source Zone
Simulation time 2030

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.45E+02	3.35E+00	1A	6.06E-23	4.04E-22	1A	3.86E-23	2.57E-22	1A	0.00E+00	0.00E+00	1A	5.78E-27	3.86E-26	1A	1.25E-25	8.36E-25	1A	2.73E-13	1.82E-12	1A	1.26E-12	8.42E-12
SHU Zone	2 to	12 =	4.92E+02	2.56E+00	2A	5.12E-12	2.61E-11	2A	4.70E-13	2.39E-12	2A	0.00E+00	0.00E+00	2A	1.11E-15	5.65E-15	2A	9.24E-15	4.70E-14	2A	1.94E-11	9.88E-11	2A	7.83E-11	3.98E-10
SHU Zone	3 to	12 =	1.63E+02	8.46E-01	3A	3.21E-05	5.41E-05	3A	2.68E-06	4.52E-06	3A	0.00E+00	0.00E+00	3A	1.39E-08	2.33E-08	3A	5.67E-08	9.54E-08	3A	4.34E-06	7.31E-06	3A	1.74E-06	2.93E-06
SHU Zone	4 to	12 =	1.21E+02	6.29E-01	4A	1.08E-02	1.36E-02	4A	8.64E-04	1.08E-03	4A	0.00E+00	0.00E+00	4A	1.25E-05	1.56E-05	4A	3.58E-05	4.48E-05	4A	1.93E-03	2.42E-03	4A	7.05E-04	8.82E-04
SHU Zone	5 to	12 =	8.23E+00	4.28E-02	5A	1.49E-02	1.27E-03	5A	1.07E-03	9.13E-05	5A	0.00E+00	0.00E+00	5A	4.66E-04	3.97E-05	5A	2.13E-03	1.81E-04	5A	1.90E-01	1.62E-02	5A	1.36E-01	1.16E-02
SHU Zone	6 to	12 =	1.18E+00	6.14E-03	6A	6.04E-03	7.37E-05	6A	2.87E-04	3.50E-06	6A	0.00E+00	0.00E+00	6A	3.16E-04	3.85E-06	6A	1.56E-03	1.90E-05	6A	9.75E-02	1.19E-03	6A	1.10E-01	1.34E-03
SHU Zone	7 to	12 =	5.85E+01	3.04E-01	7A	2.57E-05	1.55E-05	7A	2.84E-06	1.72E-06	7A	0.00E+00	0.00E+00	7A	5.85E-07	3.54E-07	7A	2.02E-06	1.22E-06	7A	1.96E-04	1.18E-04	7A	9.71E-05	5.87E-05
SHU Zone	8 to	12 =	1.12E+02	5.83E-01	8A	7.43E-10	8.62E-10	8A	7.06E-11	8.19E-11	8A	0.00E+00	0.00E+00	8A	8.07E-12	9.37E-12	8A	3.90E-11	4.53E-11	8A	4.06E-09	4.71E-09	8A	2.25E-09	2.61E-09
SHU Zone	9 to	12 =	1.53E+02	7.93E-01	9A	4.36E-18	6.88E-18	9A	4.87E-19	7.68E-19	9A	0.00E+00	0.00E+00	9A	4.13E-20	6.52E-20	9A	4.69E-19	7.40E-19	9A	1.02E-16	1.61E-16	9A	7.31E-17	1.15E-16
SHU Zone	10 to	12 =	1.80E+02	9.34E-01	10A	2.26E-27	4.20E-27	10A	2.45E-28	4.56E-28	10A	0.00E+00	0.00E+00	10A	1.53E-29	2.84E-29	10A	3.68E-28	6.84E-28	10A	2.73E-25	5.08E-25	10A	2.68E-25	4.99E-25
SHU Zone	11 to	12 =	2.64E+02	1.37E+00	11A	2.95E-36	8.04E-36	11A	2.86E-37	7.79E-37	11A	0.00E+00	0.00E+00	11A	2.28E-39	6.21E-39	11A	2.34E-37	6.37E-37	11A	2.65E-33	7.23E-33	11A	3.51E-33	9.58E-33
MHU Zone	1 to	12 =	5.21E+04	2.71E+02	1B	7.46E-23	4.02E-20	1B	1.65E-23	8.87E-21	1B	0.00E+00	0.00E+00	1B	1.79E-26	9.64E-24	1B	3.04E-25	1.64E-22	1B	6.66E-14	3.59E-11	1B	3.08E-13	1.66E-10
MHU Zone	2 to	12 =	5.25E+04	2.73E+02	2B	8.45E-12	4.58E-09	2B	7.22E-13	3.92E-10	2B	0.00E+00	0.00E+00	2B	2.73E-15	1.48E-12	2B	1.73E-14	9.38E-12	2B	9.09E-12	4.93E-09	2B	3.17E-11	1.72E-08
MHU Zone	3 to	12 =	2.84E+04	1.48E+02	3B	6.77E-05	1.99E-02	3B	5.29E-06	1.56E-03	3B	0.00E+00	0.00E+00	3B	4.42E-08	1.30E-05	3B	1.27E-07	3.74E-05	3B	8.16E-06	2.40E-03	3B	2.54E-06	7.47E-04
MHU Zone	4 to	12 =	2.19E+04	1.14E+02	4B	2.36E-02	5.33E+00	4B	1.76E-03	3.98E-01	4B	0.00E+00	0.00E+00	4B	4.08E-05	9.24E-03	4B	7.78E-05	1.76E-02	4B	3.78E-03	8.54E-01	4B	1.06E-03	2.39E-01
MHU Zone	5 to	12 =	1.30E+03	6.75E+00	5B	5.17E-02	6.95E-01	5B	3.46E-03	4.64E-02	5B	0.00E+00	0.00E+00	5B	2.26E-03	3.03E-02	5B	7.20E-03	9.68E-02	5B	4.40E-01	5.92E+00	5B	2.58E-01	3.46E+00
MHU Zone	6 to	12 =	3.47E+02	1.80E+00	6B	1.87E-02	6.70E-02	6B	8.72E-04	3.13E-03	6B	0.00E+00	0.00E+00	6B	1.30E-03	4.65E-03	6B	4.72E-03	1.69E-02	6B	2.15E-01	7.72E-01	6B	2.09E-01	7.49E-01
MHU Zone	7 to	12 =	1.63E+04	8.46E+01	7B	7.61E-05	1.28E-02	7B	7.65E-06	1.29E-03	7B	0.00E+00	0.00E+00	7B	2.56E-06	4.30E-04	7B	5.71E-06	9.62E-04	7B	4.49E-04	7.56E-02	7B	1.75E-04	2.94E-02
MHU Zone	8 to	12 =	4.81E+04	2.50E+02	8B	1.35E-09	6.73E-07	8B	1.23E-10	6.14E-08	8B	0.00E+00	0.00E+00	8B	2.28E-11	1.13E-08	8B	9.19E-11	4.57E-08	8B	8.52E-09	4.24E-06	8B	4.41E-09	2.19E-06
MHU Zone	9 to	12 =	4.58E+04	2.38E+02	9B	7.62E-18	3.61E-15	9B	7.97E-19	3.77E-16	9B	0.00E+00	0.00E+00	9B	1.10E-19	5.19E-17	9B	1.02E-18	4.81E-16	9B	1.79E-16	8.45E-14	9B	1.15E-16	5.44E-14
MHU Zone	10 to	12 =	3.56E+04	1.85E+02	10B	6.64E-27	2.44E-24	10B	6.66E-28	2.45E-25	10B	0.00E+00	0.00E+00	10B	7.69E-29	2.83E-26	10B	1.58E-27	5.83E-25	10B	6.41E-25	2.36E-22	10B	5.51E-25	2.03E-22
MHU Zone	11 to	12 =	2.94E+04	1.53E+02	11B	6.22E-36	1.89E-33	11B	5.54E-37	1.68E-34	11B	0.00E+00	0.00E+00	11B	1.45E-38	4.41E-36	11B	7.29E-37	2.22E-34	11B	4.23E-33	1.29E-30	11B	4.80E-33	1.46E-30
DHU Zone	1 to	12 =	4.30E+04	2.24E+02	1C	7.46E-23	3.32E-20	1C	1.37E-23	6.11E-21	1C	0.00E+00	0.00E+00	1C	2.13E-26	9.48E-24	1C	3.58E-25	1.59E-22	1C	5.54E-14	2.47E-11	1C	2.56E-13	1.14E-10
DHU Zone	2 to	12 =	4.09E+04	2.12E+02	2C	9.65E-12	4.08E-09	2C	9.66E-13	4.08E-10	2C	0.00E+00	0.00E+00	2C	3.00E-15	1.27E-12	2C	1.89E-14	7.97E-12	2C	1.19E-11	5.05E-09	2C	4.27E-11	1.80E-08
DHU Zone	3 to	12 =	2.08E+04	1.08E+02	3C	1.01E-04	2.18E-02	3C	9.30E-06	2.00E-03	3C	0.00E+00	0.00E+00	3C	3.33E-08	7.17E-06	3C	9.97E-08	2.15E-05	3C	1.21E-05	2.62E-03	3C	3.36E-06	7.24E-04
DHU Zone	4 to	12 =	1.59E+04	8.25E+01	4C	4.51E-02	7.40E+00	4C	3.91E-03	6.41E-01	4C	0.00E+00	0.00E+00	4C	2.34E-05	3.84E-03	4C	4.76E-05	7.82E-03	4C	6.68E-03	1.10E+00	4C	1.47E-03	2.41E-01
DHU Zone	5 to	12 =	8.47E+02	4.40E+00	5C	4.44E-02	3.88E-01	5C	6.14E-03	5.38E-02	5C	0.00E+00	0.00E+00	5C	1.26E-03	1.10E-02	5C	4.76E-03	4.17E-02	5C	8.21E-01	7.19E+00	5C	4.02E-01	3.52E+00
DHU Zone	6 to	12 =	1.74E+02	9.06E-01	6C	1.28E-02	2.31E-02	6C	3.23E-03	5.81E-03	6C	0.00E+00	0.00E+00	6C	4.91E-04	8.84E-04	6C	2.72E-03	4.90E-03	6C	1.27E+00	2.28E+00	6C	8.54E-01	1.54E+00
DHU Zone	7 to	12 =	1.06E+04	5.52E+01	7C	6.28E-05	6.89E-03	7C	1.01E-05	1.11E-03	7C	0.00E+00	0.00E+00	7C	2.12E-06	2.32E-04	7C	5.01E-06	5.50E-04	7C	6.41E-04	7.03E-02	7C	2.05E-04	2.25E-02
DHU Zone	8 to	12 =	3.36E+04	1.75E+02	8C	1.05E-09	3.64E-07	8C	1.63E-10	5.65E-08	8C	0.00E+00	0.00E+00	8C	1.93E-11	6.71E-09	8C	7.95E-11	2.76E-08	8C	1.19E-08	4.12E-06	8C	5.03E-09	1.75E-06
DHU Zone	9 to	12 =	3.23E+04	1.68E+02	9C	7.36E-18	2.46E-15	9C	1.01E-18	3.39E-16	9C	0.00E+00	0.00E+00	9C	1.29E-19	4.29E-17	9C	1.19E-18	3.97E-16	9C	2.28E-16	7.60E-14	9C	1.42E-16	4.74E-14
DHU Zone	10 to	12 =	2.58E+04	1.34E+02	10C	5.79E-27	1.54E-24	10C	7.85E-28	2.09E-25	10C	0.00E+00	0.00E+00	10C	8.87E-29	2.37E-26	10C	1.83E-27	4.89E-25	10C	7.55E-25	2.01E-22	10C	6.46E-25	1.72E-22
DHU Zone	11 to	12 =	2.28E+04	1.18E+02	11C	6.00E-36	1.41E-33	11C	7.36E-37	1.73E-34	11C	0.00E+00	0.00E+00	11C	1.99E-38	4.70E-36	11C	9.61E-37	2.26E-34	11C	5.43E-33	1.28E-30	11C	6.10E-33	1.44E-30

total mass discharge into the river adjacent to Site	1.40E+01 kg/yr	1.16E+00 kg/yr	0.00E+00 kg/yr	6.07E-02 kg/yr	1.88E-01 kg/yr	1.83E+01 kg/yr	9.82E+00 kg/yr
Percent Capture by GMCS	97 %	98 %	#DIV/0! %	99 %	97 %	98 %	96 %

APPENDIX 6.3d
Calculation of Mass Flux - Clayton Chemical Source Zone
Simulation time 2030

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.33E+02	3.29E+00	1A	3.82E-23	2.50E-22	1A	5.24E-23	3.43E-22	1A	0.00E+00	0.00E+00	1A	4.60E-29	3.01E-28	1A	1.04E-27	6.78E-27	1A	2.95E-13	1.93E-12	1A	1.36E-12	8.92E-12
SHU Zone	2 to	12 =	4.71E+02	2.45E+00	2A	1.38E-13	6.71E-13	2A	1.27E-14	6.19E-14	2A	0.00E+00	0.00E+00	2A	1.22E-17	5.97E-17	2A	1.17E-16	5.69E-16	2A	1.94E-11	9.47E-11	2A	8.30E-11	4.04E-10
SHU Zone	3 to	12 =	1.49E+02	7.72E-01	3A	1.37E-06	2.11E-06	3A	1.16E-07	1.78E-07	3A	0.00E+00	0.00E+00	3A	2.15E-10	3.30E-10	3A	1.04E-09	1.60E-09	3A	1.48E-07	2.28E-07	3A	7.67E-08	1.18E-07
SHU Zone	4 to	12 =	1.27E+02	6.57E-01	4A	1.71E-03	2.24E-03	4A	1.38E-04	1.81E-04	4A	0.00E+00	0.00E+00	4A	7.86E-07	1.03E-06	4A	2.48E-06	3.24E-06	4A	2.49E-04	3.25E-04	4A	9.19E-05	1.20E-04
SHU Zone	5 to	12 =	1.38E+02	7.19E-01	5A	1.36E-01	1.95E-01	5A	1.14E-02	1.63E-02	5A	0.00E+00	0.00E+00	5A	5.29E-04	7.56E-04	5A	1.07E-03	1.54E-03	5A	1.12E-01	1.60E-01	5A	3.77E-02	5.40E-02
SHU Zone	6 to	12 =	1.45E+02	7.56E-01	6A	2.02E-01	3.03E-01	6A	2.11E-02	3.17E-02	6A	0.00E+00	0.00E+00	6A	3.67E-03	5.51E-03	6A	5.95E-03	8.95E-03	6A	6.53E-01	9.82E-01	6A	2.52E-01	3.79E-01
SHU Zone	7 to	12 =	1.02E+02	5.30E-01	7A	1.80E-04	1.90E-04	7A	2.11E-05	2.23E-05	7A	0.00E+00	0.00E+00	7A	8.91E-07	9.40E-07	7A	2.33E-06	2.46E-06	7A	7.64E-04	8.06E-04	7A	3.29E-04	3.48E-04
SHU Zone	8 to	12 =	1.04E+02	5.42E-01	8A	2.03E-10	2.19E-10	8A	2.04E-11	2.20E-11	8A	0.00E+00	0.00E+00	8A	5.77E-13	6.22E-13	8A	2.70E-12	2.92E-12	8A	1.17E-09	1.26E-09	8A	6.00E-10	6.48E-10
SHU Zone	9 to	12 =	1.46E+02	7.60E-01	9A	1.56E-18	2.36E-18	9A	1.74E-19	2.63E-19	9A	0.00E+00	0.00E+00	9A	3.61E-21	5.46E-21	9A	4.15E-20	6.28E-20	9A	3.83E-17	5.78E-17	9A	2.67E-17	4.03E-17
SHU Zone	10 to	12 =	1.76E+02	9.13E-01	10A	9.42E-28	1.71E-27	10A	1.01E-28	1.84E-28	10A	0.00E+00	0.00E+00	10A	1.58E-30	2.88E-30	10A	3.93E-29	7.15E-29	10A	1.21E-25	2.20E-25	10A	1.15E-25	2.08E-25
SHU Zone	11 to	12 =	2.60E+02	1.35E+00	11A	1.28E-36	3.45E-36	11A	1.25E-37	3.35E-37	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	6.31E-38	1.70E-37	11A	1.13E-33	3.05E-33	11A	1.35E-33	3.64E-33
MHU Zone	1 to	12 =	5.12E+04	2.66E+02	1B	1.49E-23	7.87E-21	1B	1.48E-23	7.82E-21	1B	0.00E+00	0.00E+00	1B	1.50E-28	7.93E-26	1B	2.75E-27	1.45E-24	1B	7.14E-14	3.77E-11	1B	3.29E-13	1.74E-10
MHU Zone	2 to	12 =	5.01E+04	2.60E+02	2B	2.31E-13	1.19E-10	2B	1.99E-14	1.03E-11	2B	0.00E+00	0.00E+00	2B	3.08E-17	1.59E-14	2B	2.26E-16	1.17E-13	2B	7.77E-12	4.03E-09	2B	3.31E-11	1.72E-08
MHU Zone	3 to	12 =	2.59E+04	1.35E+02	3B	3.05E-06	8.18E-04	3B	2.39E-07	6.42E-05	3B	0.00E+00	0.00E+00	3B	7.20E-10	1.93E-07	3B	2.48E-09	6.65E-07	3B	2.77E-07	7.42E-05	3B	9.65E-08	2.59E-05
MHU Zone	4 to	12 =	2.29E+04	1.19E+02	4B	3.94E-03	9.30E-01	4B	2.95E-04	6.98E-02	4B	0.00E+00	0.00E+00	4B	2.72E-06	6.44E-04	4B	5.70E-06	1.35E-03	4B	4.92E-04	1.16E-01	4B	1.37E-04	3.23E-02
MHU Zone	5 to	12 =	2.56E+04	1.33E+02	5B	3.53E-01	9.33E+01	5B	2.74E-02	7.24E+00	5B	0.00E+00	0.00E+00	5B	1.83E-03	4.83E-01	5B	2.37E-03	6.26E-01	5B	2.29E-01	6.06E+01	5B	5.45E-02	1.44E+01
MHU Zone	6 to	12 =	3.39E+04	1.76E+02	6B	4.68E-01	1.64E+02	6B	4.52E-02	1.58E+01	6B	0.00E+00	0.00E+00	6B	1.12E-02	3.93E+00	6B	1.11E-02	3.89E+00	6B	1.23E+00	4.30E+02	6B	3.57E-01	1.25E+02
MHU Zone	7 to	12 =	2.76E+04	1.43E+02	7B	4.16E-04	1.19E-01	7B	4.49E-05	1.28E-02	7B	0.00E+00	0.00E+00	7B	3.05E-06	8.69E-04	7B	5.01E-06	1.43E-03	7B	1.46E-03	4.15E-01	7B	4.87E-04	1.39E-01
MHU Zone	8 to	12 =	4.49E+04	2.33E+02	8B	3.87E-10	1.80E-07	8B	3.71E-11	1.72E-08	8B	0.00E+00	0.00E+00	8B	1.69E-12	7.84E-10	8B	6.55E-12	3.04E-09	8B	2.52E-09	1.17E-06	8B	1.20E-09	5.57E-07
MHU Zone	9 to	12 =	4.39E+04	2.28E+02	9B	2.81E-18	1.28E-15	9B	2.92E-19	1.32E-16	9B	0.00E+00	0.00E+00	9B	9.83E-21	4.46E-18	9B	9.21E-20	4.18E-17	9B	6.84E-17	3.11E-14	9B	4.30E-17	1.95E-14
MHU Zone	10 to	12 =	3.47E+04	1.80E+02	10B	2.82E-27	1.01E-24	10B	2.79E-28	1.00E-25	10B	0.00E+00	0.00E+00	10B	7.87E-30	2.83E-27	10B	1.64E-28	5.89E-26	10B	2.91E-25	1.04E-22	10B	2.45E-25	8.80E-23
MHU Zone	11 to	12 =	2.90E+04	1.50E+02	11B	2.74E-36	8.19E-34	11B	2.42E-37	7.25E-35	11B	0.00E+00	0.00E+00	11B	2.08E-39	6.22E-37	11B	1.61E-37	4.81E-35	11B	2.00E-33	5.99E-31	11B	2.19E-33	6.55E-31
DHU Zone	1 to	12 =	4.22E+04	2.19E+02	1C	1.29E-23	5.65E-21	1C	1.03E-23	4.52E-21	1C	0.00E+00	0.00E+00	1C	1.79E-28	7.83E-26	1C	3.25E-27	1.42E-24	1C	5.86E-14	2.56E-11	1C	2.71E-13	1.18E-10
DHU Zone	2 to	12 =	3.91E+04	2.03E+02	2C	2.59E-13	1.05E-10	2C	2.63E-14	1.06E-11	2C	0.00E+00	0.00E+00	2C	3.46E-17	1.40E-14	2C	2.52E-16	1.02E-13	2C	1.05E-11	4.23E-09	2C	4.52E-11	1.83E-08
DHU Zone	3 to	12 =	1.90E+04	9.88E+01	3C	4.18E-06	8.22E-04	3C	3.97E-07	7.80E-05	3C	0.00E+00	0.00E+00	3C	5.98E-10	1.17E-07	3C	2.12E-09	4.17E-07	3C	3.93E-07	7.73E-05	3C	1.27E-07	2.49E-05
DHU Zone	4 to	12 =	1.65E+04	8.59E+01	4C	6.73E-03	1.15E+00	4C	5.95E-04	1.02E-01	4C	0.00E+00	0.00E+00	4C	1.76E-06	3.00E-04	4C	3.87E-06	6.61E-04	4C	7.96E-04	1.36E-01	4C	1.82E-04	3.11E-02
DHU Zone	5 to	12 =	1.71E+04	8.91E+01	5C	5.94E-01	1.05E+02	5C	5.17E-02	9.17E+00	5C	0.00E+00	0.00E+00	5C	1.01E-03	1.79E-01	5C	1.44E-03	2.55E-01	5C	3.90E-01	6.91E+01	5C	6.78E-02	1.20E+01
DHU Zone	6 to	12 =	2.21E+04	1.15E+02	6C	4.01E-01	9.15E+01	6C	7.16E-02	1.64E+01	6C	0.00E+00	0.00E+00	6C	4.46E-03	1.02E+00	6C	5.33E-03	1.22E+00	6C	2.51E+00	5.73E+02	6C	3.67E-01	8.37E+01
DHU Zone	7 to	12 =	1.78E+04	9.24E+01	7C	3.59E-04	6.60E-02	7C	6.22E-05	1.14E-02	7C	0.00E+00	0.00E+00	7C	2.17E-06	3.99E-04	7C	3.64E-06	6.70E-04	7C	2.24E-03	4.12E-01	7C	5.05E-04	9.29E-02
DHU Zone	8 to	12 =	3.14E+04	1.63E+02	8C	3.08E-10	9.98E-08	8C	4.92E-11	1.60E-08	8C	0.00E+00	0.00E+00	8C	1.50E-12	4.87E-10	8C	5.90E-12	1.91E-09	8C	3.54E-09	1.15E-06	8C	1.39E-09	4.52E-07
DHU Zone	9 to	12 =	3.10E+04	1.61E+02	9C	2.63E-18	8.43E-16	9C	3.70E-19	1.18E-16	9C	0.00E+00	0.00E+00	9C	1.14E-20	3.67E-18	9C	1.07E-19	3.43E-17	9C	8.71E-17	2.79E-14	9C	5.29E-17	1.70E-14
DHU Zone	10 to	12 =	2.52E+04	1.31E+02	10C	2.41E-27	6.26E-25	10C	3.28E-28	8.54E-26	10C	0.00E+00	0.00E+00	10C	9.06E-30	2.36E-27	10C	1.89E-28	4.93E-26	10C	3.42E-25	8.91E-23	10C	2.86E-25	7.44E-23
DHU Zone	11 to	12 =	2.24E+04	1.17E+02	11C	2.60E-36	6.04E-34	11C	3.21E-37	7.44E-35	11C	0.00E+00	0.00E+00	11C	3.02E-39	7.00E-37	11C	2.10E-37	4.87E-35	11C	2.57E-33	5.97E-31	11C	2.79E-33	6.48E-31
						total mass going into the	kg/yr		4.57E+02	kg/yr		4.88E+01	kg/yr		0.00E+00	kg/yr		5.62E+00	kg/yr		6.01E+00	kg/yr		1.13E+03	kg/yr		2.36E+02	kg/y

APPENDIX 6.3e
Calculation of Mass Flux - Clayton Chemical Source Zone
Simulation Time 2038

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.46E+02	3.35E+00	1A	2.91E-23	1.94E-22	1A	2.86E-24	1.91E-23	1A	0.00E+00	0.00E+00	1A	5.80E-27	3.87E-26	1A	1.39E-25	9.30E-25	1A	1.32E-14	8.81E-14	1A	6.90E-14	4.60E-13
SHU Zone	2 to	12 =	4.93E+02	2.56E+00	2A	4.39E-12	2.23E-11	2A	3.96E-13	2.01E-12	2A	0.00E+00	0.00E+00	2A	9.33E-16	4.75E-15	2A	7.93E-15	4.04E-14	2A	3.43E-12	1.75E-11	2A	1.22E-11	6.22E-11
SHU Zone	3 to	12 =	1.63E+02	8.47E-01	3A	2.71E-05	4.57E-05	3A	2.23E-06	3.75E-06	3A	0.00E+00	0.00E+00	3A	1.15E-08	1.94E-08	3A	4.75E-08	8.00E-08	3A	3.67E-06	6.17E-06	3A	1.47E-06	2.48E-06
SHU Zone	4 to	12 =	1.21E+02	6.29E-01	4A	9.14E-03	1.14E-02	4A	7.16E-04	8.96E-04	4A	0.00E+00	0.00E+00	4A	1.03E-05	1.29E-05	4A	3.00E-05	3.75E-05	4A	1.63E-03	2.04E-03	4A	6.00E-04	7.51E-04
SHU Zone	5 to	12 =	8.23E+00	4.28E-02	5A	1.26E-02	1.08E-03	5A	8.97E-04	7.63E-05	5A	0.00E+00	0.00E+00	5A	3.97E-04	3.38E-05	5A	1.92E-03	1.63E-04	5A	1.67E-01	1.42E-02	5A	1.20E-01	1.02E-02
SHU Zone	6 to	12 =	1.18E+00	6.14E-03	6A	5.14E-03	6.28E-05	6A	2.41E-04	2.95E-06	6A	0.00E+00	0.00E+00	6A	2.75E-04	3.35E-06	6A	1.51E-03	1.84E-05	6A	8.90E-02	1.09E-03	6A	1.01E-01	1.23E-03
SHU Zone	7 to	12 =	5.85E+01	3.04E-01	7A	2.17E-05	1.31E-05	7A	2.36E-06	1.43E-06	7A	0.00E+00	0.00E+00	7A	4.85E-07	2.93E-07	7A	1.70E-06	1.03E-06	7A	1.66E-04	1.00E-04	7A	8.36E-05	5.05E-05
SHU Zone	8 to	12 =	1.12E+02	5.83E-01	8A	6.28E-10	7.29E-10	8A	5.91E-11	6.86E-11	8A	0.00E+00	0.00E+00	8A	6.71E-12	7.79E-12	8A	3.27E-11	3.79E-11	8A	3.41E-09	3.96E-09	8A	1.92E-09	2.23E-09
SHU Zone	9 to	12 =	1.53E+02	7.93E-01	9A	3.93E-18	6.20E-18	9A	4.31E-19	6.80E-19	9A	0.00E+00	0.00E+00	9A	3.52E-20	5.55E-20	9A	4.14E-19	6.52E-19	9A	8.79E-17	1.39E-16	9A	6.31E-17	9.95E-17
SHU Zone	10 to	12 =	1.80E+02	9.35E-01	10A	1.96E-27	3.65E-27	10A	2.17E-28	4.04E-28	10A	0.00E+00	0.00E+00	10A	1.86E-29	3.46E-29	10A	5.38E-28	1.00E-27	10A	2.48E-25	4.61E-25	10A	2.34E-25	4.35E-25
SHU Zone	11 to	12 =	2.64E+02	1.37E+00	11A	2.83E-36	7.71E-36	11A	2.95E-37	8.05E-37	11A	0.00E+00	0.00E+00	11A	2.28E-38	6.22E-38	11A	1.83E-36	4.99E-36	11A	2.06E-33	5.63E-33	11A	2.48E-33	6.76E-33
MHU Zone	1 to	12 =	5.21E+04	2.71E+02	1B	5.79E-23	3.12E-20	1B	5.20E-24	2.80E-21	1B	0.00E+00	0.00E+00	1B	1.64E-26	8.82E-24	1B	2.95E-25	1.59E-22	1B	4.17E-15	2.25E-12	1B	2.18E-14	1.17E-11
MHU Zone	2 to	12 =	5.25E+04	2.73E+02	2B	7.16E-12	3.88E-09	2B	6.04E-13	3.28E-10	2B	0.00E+00	0.00E+00	2B	2.28E-15	1.23E-12	2B	1.45E-14	7.88E-12	2B	2.60E-12	1.41E-09	2B	5.69E-12	3.09E-09
MHU Zone	3 to	12 =	2.84E+04	1.48E+02	3B	5.72E-05	1.68E-02	3B	4.39E-06	1.29E-03	3B	0.00E+00	0.00E+00	3B	3.67E-08	1.08E-05	3B	1.06E-07	3.12E-05	3B	6.86E-06	2.02E-03	3B	2.15E-06	6.32E-04
MHU Zone	4 to	12 =	2.19E+04	1.14E+02	4B	1.99E-02	4.49E+00	4B	1.46E-03	3.30E-01	4B	0.00E+00	0.00E+00	4B	3.38E-05	7.64E-03	4B	6.50E-05	1.47E-02	4B	3.17E-03	7.18E-01	4B	8.98E-04	2.03E-01
MHU Zone	5 to	12 =	1.30E+03	6.76E+00	5B	4.36E-02	5.86E-01	5B	2.87E-03	3.86E-02	5B	0.00E+00	0.00E+00	5B	1.89E-03	2.55E-02	5B	6.17E-03	8.30E-02	5B	3.78E-01	5.08E+00	5B	2.24E-01	3.01E+00
MHU Zone	6 to	12 =	3.47E+02	1.80E+00	6B	1.58E-02	5.67E-02	6B	7.29E-04	2.61E-03	6B	0.00E+00	0.00E+00	6B	1.10E-03	3.94E-03	6B	4.27E-03	1.53E-02	6B	1.93E-01	6.91E-01	6B	1.90E-01	6.80E-01
MHU Zone	7 to	12 =	1.63E+04	8.47E+01	7B	6.41E-05	1.08E-02	7B	6.35E-06	1.07E-03	7B	0.00E+00	0.00E+00	7B	2.12E-06	3.56E-04	7B	4.77E-06	8.04E-04	7B	3.77E-04	6.35E-02	7B	1.49E-04	2.51E-02
MHU Zone	8 to	12 =	4.81E+04	2.50E+02	8B	1.15E-09	5.72E-07	8B	1.03E-10	5.14E-08	8B	0.00E+00	0.00E+00	8B	1.90E-11	9.42E-09	8B	7.68E-11	3.82E-08	8B	7.16E-09	3.56E-06	8B	3.77E-09	1.87E-06
MHU Zone	9 to	12 =	4.58E+04	2.38E+02	9B	6.85E-18	3.24E-15	9B	7.03E-19	3.33E-16	9B	0.00E+00	0.00E+00	9B	9.18E-20	4.34E-17	9B	8.61E-19	4.07E-16	9B	1.51E-16	7.13E-14	9B	9.78E-17	4.63E-14
MHU Zone	10 to	12 =	3.56E+04	1.85E+02	10B	5.78E-27	2.12E-24	10B	5.89E-28	2.16E-25	10B	0.00E+00	0.00E+00	10B	7.78E-29	2.86E-26	10B	1.74E-27	6.40E-25	10B	5.91E-25	2.17E-22	10B	5.02E-25	1.85E-22
MHU Zone	11 to	12 =	2.94E+04	1.53E+02	11B	5.87E-36	1.78E-33	11B	5.57E-37	1.69E-34	11B	0.00E+00	0.00E+00	11B	7.44E-38	2.26E-35	11B	4.39E-36	1.34E-33	11B	3.60E-33	1.09E-30	11B	3.92E-33	1.19E-30
DHU Zone	1 to	12 =	4.31E+04	2.24E+02	1C	5.87E-23	2.61E-20	1C	6.26E-24	2.79E-21	1C	0.00E+00	0.00E+00	1C	1.94E-26	8.63E-24	1C	3.43E-25	1.53E-22	1C	5.85E-15	2.60E-12	1C	3.06E-14	1.36E-11
DHU Zone	2 to	12 =	4.09E+04	2.13E+02	2C	8.23E-12	3.48E-09	2C	8.08E-13	3.42E-10	2C	0.00E+00	0.00E+00	2C	2.50E-15	1.06E-12	2C	1.58E-14	6.68E-12	2C	3.48E-12	1.47E-09	2C	8.40E-12	3.55E-09
DHU Zone	3 to	12 =	2.08E+04	1.08E+02	3C	8.54E-05	1.84E-02	3C	7.71E-06	1.66E-03	3C	0.00E+00	0.00E+00	3C	2.76E-08	5.95E-06	3C	8.32E-08	1.79E-05	3C	1.02E-05	2.20E-03	3C	2.84E-06	6.11E-04
DHU Zone	4 to	12 =	1.59E+04	8.25E+01	4C	3.80E-02	6.24E+00	4C	3.24E-03	5.31E-01	4C	0.00E+00	0.00E+00	4C	1.93E-05	3.18E-03	4C	3.98E-05	6.53E-03	4C	5.62E-03	9.22E-01	4C	1.24E-03	2.04E-01
DHU Zone	5 to	12 =	8.48E+02	4.40E+00	5C	3.74E-02	3.28E-01	5C	5.10E-03	4.46E-02	5C	0.00E+00	0.00E+00	5C	1.06E-03	9.29E-03	5C	4.12E-03	3.61E-02	5C	7.02E-01	6.15E+00	5C	3.46E-01	3.03E+00
DHU Zone	6 to	12 =	1.74E+02	9.06E-01	6C	1.08E-02	1.95E-02	6C	2.68E-03	4.84E-03	6C	0.00E+00	0.00E+00	6C	4.64E-04	8.36E-04	6C	2.61E-03	4.70E-03	6C	1.13E+00	2.03E+00	6C	7.59E-01	1.37E+00
DHU Zone	7 to	12 =	1.06E+04	5.52E+01	7C	5.29E-05	5.81E-03	7C	8.35E-06	9.17E-04	7C	0.00E+00	0.00E+00	7C	1.76E-06	1.93E-04	7C	4.19E-06	4.60E-04	7C	5.39E-04	5.92E-02	7C	1.74E-04	1.91E-02
DHU Zone	8 to	12 =	3.36E+04	1.75E+02	8C	8.90E-10	3.09E-07	8C	1.36E-10	4.73E-08	8C	0.00E+00	0.00E+00	8C	1.61E-11	5.58E-09	8C	6.64E-11	2.31E-08	8C	9.97E-09	3.46E-06	8C	4.27E-09	1.49E-06
DHU Zone	9 to	12 =	3.23E+04	1.68E+02	9C	6.61E-18	2.21E-15	9C	8.94E-19	2.99E-16	9C	0.00E+00	0.00E+00	9C	1.08E-19	3.59E-17	9C	1.01E-18	3.36E-16	9C	1.92E-16	6.40E-14	9C	1.20E-16	4.02E-14
DHU Zone	10 to	12 =	2.58E+04	1.34E+02	10C	5.03E-27	1.34E-24	10C	6.93E-28	1.85E-25	10C	0.00E+00	0.00E+00	10C	8.99E-29	2.40E-26	10C	2.01E-27	5.37E-25	10C	6.95E-25	1.85E-22	10C	5.87E-25	1.57E-22
DHU Zone	11 to	12 =	2.28E+04	1.18E+02	11C	5.64E-36	1.33E-33	11C	7.36E-37	1.73E-34	11C	0.00E+00	0.00E+00	11C	9.89E-38	2.33E-35	11C	5.72E-36	1.35E-33	11C	4.63E-33	1.09E-30	11C	5.02E-33	1.18E-30

total mass discharge into the river adjacent to Site	1.18E+01 kg/yr	9.58E-01 kg/yr	0.00E+00 kg/yr	5.10E-02 kg/yr	1.62E-01 kg/yr	1.57E+01 kg/yr	8.56E+00 kg/yr
Percent Capture by GMCS	97 %	98 %	#DIV/0! %	99 %	97 %	98 %	96 %

APPENDIX 6.3e
Calculation of Mass Flux - Clayton Chemical Source Zone
Simulation Time 2038

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1	to 12 =	6.33E+02	3.29E+00	1A	5.95E-25	3.90E-24	1A	7.99E-26	5.23E-25	1A	0.00E+00	0.00E+00	1A	5.00E-29	3.28E-28	1A	1.34E-27	8.80E-27	1A	1.40E-14	9.18E-14	1A	7.32E-14	4.79E-13
SHU Zone	2	to 12 =	4.71E+02	2.45E+00	2A	1.19E-13	5.78E-13	2A	1.08E-14	5.25E-14	2A	0.00E+00	0.00E+00	2A	1.03E-17	5.03E-17	2A	1.02E-16	4.96E-16	2A	2.55E-12	1.24E-11	2A	1.25E-11	6.10E-11
SHU Zone	3	to 12 =	1.49E+02	7.73E-01	3A	1.15E-06	1.78E-06	3A	9.57E-08	1.47E-07	3A	0.00E+00	0.00E+00	3A	1.78E-10	2.74E-10	3A	8.72E-10	1.34E-09	3A	1.21E-07	1.85E-07	3A	5.33E-08	8.20E-08
SHU Zone	4	to 12 =	1.27E+02	6.58E-01	4A	1.44E-03	1.89E-03	4A	1.14E-04	1.49E-04	4A	0.00E+00	0.00E+00	4A	6.52E-07	8.53E-07	4A	2.07E-06	2.71E-06	4A	2.09E-04	2.74E-04	4A	7.78E-05	1.02E-04
SHU Zone	5	to 12 =	1.38E+02	7.19E-01	5A	1.15E-01	1.64E-01	5A	9.45E-03	1.35E-02	5A	0.00E+00	0.00E+00	5A	4.41E-04	6.32E-04	5A	8.99E-04	1.29E-03	5A	9.40E-02	1.35E-01	5A	3.21E-02	4.60E-02
SHU Zone	6	to 12 =	1.45E+02	7.56E-01	6A	1.70E-01	2.55E-01	6A	1.75E-02	2.63E-02	6A	0.00E+00	0.00E+00	6A	3.06E-03	4.60E-03	6A	4.97E-03	7.48E-03	6A	5.49E-01	8.26E-01	6A	2.16E-01	3.24E-01
SHU Zone	7	to 12 =	1.02E+02	5.31E-01	7A	1.51E-04	1.60E-04	7A	1.75E-05	1.85E-05	7A	0.00E+00	0.00E+00	7A	7.40E-07	7.81E-07	7A	1.95E-06	2.06E-06	7A	6.44E-04	6.79E-04	7A	2.82E-04	2.98E-04
SHU Zone	8	to 12 =	1.04E+02	5.43E-01	8A	1.72E-10	1.85E-10	8A	1.70E-11	1.84E-11	8A	0.00E+00	0.00E+00	8A	4.80E-13	5.18E-13	8A	2.26E-12	2.44E-12	8A	9.81E-10	1.06E-09	8A	5.12E-10	5.52E-10
SHU Zone	9	to 12 =	1.46E+02	7.60E-01	9A	1.42E-18	2.15E-18	9A	1.55E-19	2.35E-19	9A	0.00E+00	0.00E+00	9A	3.07E-21	4.64E-21	9A	3.66E-20	5.54E-20	9A	3.28E-17	4.96E-17	9A	2.31E-17	3.50E-17
SHU Zone	10	to 12 =	1.76E+02	9.13E-01	10A	8.09E-28	1.47E-27	10A	8.86E-29	1.61E-28	10A	0.00E+00	0.00E+00	10A	1.87E-30	3.40E-30	10A	5.53E-29	1.00E-28	10A	1.11E-25	2.02E-25	10A	1.05E-25	1.90E-25
SHU Zone	11	to 12 =	2.60E+02	1.35E+00	11A	1.22E-36	3.28E-36	11A	1.24E-37	3.33E-37	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	1.88E-37	5.04E-37	11A	9.71E-34	2.61E-33	11A	1.16E-33	3.10E-33
MHU Zone	1	to 12 =	5.12E+04	2.66E+02	1B	1.19E-24	6.29E-22	1B	1.13E-25	5.95E-23	1B	0.00E+00	0.00E+00	1B	1.43E-28	7.57E-26	1B	2.91E-27	1.54E-24	1B	4.41E-15	2.33E-12	1B	2.30E-14	1.22E-11
MHU Zone	2	to 12 =	5.01E+04	2.60E+02	2B	1.97E-13	1.02E-10	2B	1.67E-14	8.65E-12	2B	0.00E+00	0.00E+00	2B	2.56E-17	1.33E-14	2B	1.90E-16	9.84E-14	2B	1.12E-12	5.82E-10	2B	5.40E-12	2.80E-09
MHU Zone	3	to 12 =	2.59E+04	1.35E+02	3B	2.57E-06	6.88E-04	3B	1.98E-07	5.30E-05	3B	0.00E+00	0.00E+00	3B	5.98E-10	1.60E-07	3B	2.07E-09	5.54E-07	3B	2.31E-07	6.20E-05	3B	7.80E-08	2.09E-05
MHU Zone	4	to 12 =	2.29E+04	1.19E+02	4B	3.31E-03	7.82E-01	4B	2.44E-04	5.77E-02	4B	0.00E+00	0.00E+00	4B	2.26E-06	5.34E-04	4B	4.75E-06	1.12E-03	4B	4.13E-04	9.76E-02	4B	1.16E-04	2.73E-02
MHU Zone	5	to 12 =	2.56E+04	1.33E+02	5B	2.97E-01	7.85E+01	5B	2.27E-02	5.99E+00	5B	0.00E+00	0.00E+00	5B	1.52E-03	4.03E-01	5B	1.97E-03	5.21E-01	5B	1.93E-01	5.10E+01	5B	4.63E-02	1.22E+01
MHU Zone	6	to 12 =	3.39E+04	1.76E+02	6B	3.94E-01	1.38E+02	6B	3.75E-02	1.31E+01	6B	0.00E+00	0.00E+00	6B	9.34E-03	3.28E+00	6B	9.26E-03	3.25E+00	6B	1.03E+00	3.61E+02	6B	3.06E-01	1.07E+02
MHU Zone	7	to 12 =	2.76E+04	1.43E+02	7B	3.51E-04	9.99E-02	7B	3.72E-05	1.06E-02	7B	0.00E+00	0.00E+00	7B	2.53E-06	7.22E-04	7B	4.18E-06	1.19E-03	7B	1.22E-03	3.48E-01	7B	4.17E-04	1.19E-01
MHU Zone	8	to 12 =	4.49E+04	2.33E+02	8B	3.27E-10	1.52E-07	8B	3.09E-11	1.44E-08	8B	0.00E+00	0.00E+00	8B	1.40E-12	6.52E-10	8B	5.47E-12	2.54E-09	8B	2.11E-09	9.82E-07	8B	1.02E-09	4.75E-07
MHU Zone	9	to 12 =	4.39E+04	2.28E+02	9B	2.55E-18	1.16E-15	9B	2.60E-19	1.18E-16	9B	0.00E+00	0.00E+00	9B	8.22E-21	3.73E-18	9B	7.80E-20	3.54E-17	9B	5.76E-17	2.62E-14	9B	3.66E-17	1.66E-14
MHU Zone	10	to 12 =	3.47E+04	1.80E+02	10B	2.42E-27	8.69E-25	10B	2.43E-28	8.73E-26	10B	0.00E+00	0.00E+00	10B	7.96E-30	2.86E-27	10B	1.83E-28	6.56E-26	10B	2.70E-25	9.68E-23	10B	2.28E-25	8.18E-23
MHU Zone	11	to 12 =	2.90E+04	1.51E+02	11B	2.55E-36	7.63E-34	11B	2.36E-37	7.05E-35	11B	0.00E+00	0.00E+00	11B	6.24E-39	1.87E-36	11B	4.61E-37	1.38E-34	11B	1.71E-33	5.13E-31	11B	1.87E-33	5.59E-31
DHU Zone	1	to 12 =	4.23E+04	2.20E+02	1C	1.21E-24	5.27E-22	1C	1.35E-25	5.91E-23	1C	0.00E+00	0.00E+00	1C	1.70E-28	7.43E-26	1C	3.40E-27	1.48E-24	1C	6.16E-15	2.69E-12	1C	3.22E-14	1.41E-11
DHU Zone	2	to 12 =	3.91E+04	2.03E+02	2C	2.21E-13	8.94E-11	2C	2.21E-14	8.93E-12	2C	0.00E+00	0.00E+00	2C	2.88E-17	1.16E-14	2C	2.11E-16	8.53E-14	2C	1.71E-12	6.89E-10	2C	8.29E-12	3.35E-09
DHU Zone	3	to 12 =	1.90E+04	9.88E+01	3C	3.52E-06	6.91E-04	3C	3.28E-07	6.44E-05	3C	0.00E+00	0.00E+00	3C	4.97E-10	9.76E-08	3C	1.77E-09	3.47E-07	3C	3.28E-07	6.45E-05	3C	1.02E-07	2.00E-05
DHU Zone	4	to 12 =	1.65E+04	8.59E+01	4C	5.67E-03	9.69E-01	4C	4.91E-04	8.40E-02	4C	0.00E+00	0.00E+00	4C	1.46E-06	2.49E-04	4C	3.22E-06	5.51E-04	4C	6.69E-04	1.14E-01	4C	1.53E-04	2.62E-02
DHU Zone	5	to 12 =	1.71E+04	8.91E+01	5C	5.00E-01	8.86E+01	5C	4.28E-02	7.58E+00	5C	0.00E+00	0.00E+00	5C	8.48E-04	1.50E-01	5C	1.20E-03	2.12E-01	5C	3.28E-01	5.80E+01	5C	5.71E-02	1.01E+01
DHU Zone	6	to 12 =	2.21E+04	1.15E+02	6C	3.38E-01	7.71E+01	6C	5.93E-02	1.35E+01	6C	0.00E+00	0.00E+00	6C	3.72E-03	8.50E-01	6C	4.44E-03	1.01E+00	6C	2.11E+00	4.82E+02	6C	3.10E-01	7.08E+01
DHU Zone	7	to 12 =	1.78E+04	9.24E+01	7C	3.02E-04	5.56E-02	7C	5.15E-05	9.47E-03	7C	0.00E+00	0.00E+00	7C	1.80E-06	3.31E-04	7C	3.04E-06	5.59E-04	7C	1.88E-03	3.46E-01	7C	4.30E-04	7.90E-02
DHU Zone	8	to 12 =	3.14E+04	1.63E+02	8C	2.60E-10	8.44E-08	8C	4.09E-11	1.33E-08	8C	0.00E+00	0.00E+00	8C	1.25E-12	4.05E-10	8C	4.92E-12	1.60E-09	8C	2.98E-09	9.65E-07	8C	1.18E-09	3.84E-07
DHU Zone	9	to 12 =	3.10E+04	1.61E+02	9C	2.38E-18	7.64E-16	9C	3.29E-19	1.06E-16	9C	0.00E+00	0.00E+00	9C	9.56E-21	3.07E-18	9C	9.05E-20	2.90E-17	9C	7.33E-17	2.35E-14	9C	4.50E-17	1.44E-14
DHU Zone	10	to 12 =	2.52E+04	1.31E+02	10C	2.06E-27	5.38E-25	10C	2.86E-28	7.45E-26	10C	0.00E+00	0.00E+00	10C	9.17E-30	2.39E-27	10C	2.11E-28	5.49E-26	10C	3.17E-25	8.26E-23	10C	2.66E-25	6.93E-23
DHU Zone	11	to 12 =	2.25E+04	1.17E+02	11C	2.42E-36	5.61E-34	11C	3.11E-37	7.22E-35	11C	0.00E+00	0.00E+00	11C	8.36E-39	1.94E-36	11C	6.00E-37	1.39E-34	11C	2.20E-33	5.11E-31	11C	2.38E-33	5.53E-31
						total mass going into the	kg/yr		3.85E+02	kg/yr		4.04E+01	kg/yr		0.00E+00	kg/yr		4.69E+00	kg/yr		5.01E+00	kg/yr		9.53E+02	kg/yr		2.01E+02	kg/y

APPENDIX 6.4
GROUNDWATER FATE AND TRANSPORT MODEL MASS FLUX RESULTS
W. G. Krummrich Source Zones

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

	Mass Discharge to River Along Site With GMCS *OFF* (kg/yr)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	92	80	12	0	0	0	0	0
2010	385	334	51	0	0	0	0	0
2020	1,735	1,454	282	0.0003	0	0	0	0
2030	1,548	1,294	254	0.0004	0	0	0	0
2038	1,329	1,111	218	0.0004	0	0	0	0

	Mass Discharge to River Along Site With GMCS *ON* (kg/yr)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	69	61	9	0	0	0	0	0
2010	352	305	48	0	0	0	0	0
2020	1,256	1,052	204	0.0003	0	0	0	0
2030	1,103	923	180	0.0004	0	0	0	0
2038	951	795	155	0.0003	0	0	0	0

	Percent Capture by GMCS (%)							
	All 7 COCS	**Chlorobenzene**	**1,4-Dichlorobenzene**	**2,4-D**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**Vinyl Chloride**
2006	25	24	27	55	-	-	-	-
2010	8	9	6	-	-	-	-	-
2020	28	28	28	19	-	-	-	-
2030	29	29	29	14	-	-	-	-
2038	28	28	29	14	-	-	-	-

APPENDIX 6.4a
Calculation of Mass Flux - W. G. Krummrich Source Zones
Simulation time 2006

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.11E+02	1.62E+00	1A	2.55E-04	8.21E-04	1A	2.14E-05	6.87E-05	1A	1.26E-32	4.06E-32	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	2.74E+02	1.42E+00	2A	6.10E-03	1.73E-02	2A	7.49E-04	2.12E-03	2A	1.71E-21	4.85E-21	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	9.72E+01	5.05E-01	3A	8.98E-03	9.02E-03	3A	1.12E-03	1.12E-03	3A	3.40E-19	3.41E-19	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	7.19E+01	3.74E-01	4A	1.94E-03	1.44E-03	4A	2.69E-04	2.00E-04	4A	2.46E-19	1.83E-19	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	5.42E+00	2.81E-02	5A	1.15E-06	6.45E-08	5A	2.48E-07	1.39E-08	5A	-1.61E-23	-9.03E-25	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	8.98E-01	4.67E-03	6A	4.84E-09	4.49E-11	6A	5.28E-10	4.90E-12	6A	8.97E-30	8.33E-32	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	4.05E+01	2.10E-01	7A	8.61E-14	3.60E-14	7A	-1.71E-15	-7.16E-16	7A	8.34E-36	3.49E-36	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	8.19E+01	4.26E-01	8A	2.23E-18	1.88E-18	8A	4.50E-18	3.81E-18	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.22E+02	6.31E-01	9A	3.02E-26	3.79E-26	9A	2.30E-26	2.89E-26	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.52E+02	7.90E-01	10A	4.98E-35	7.83E-35	10A	4.39E-35	6.91E-35	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.32E+02	1.20E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	2.54E+04	1.32E+02	1B	1.82E-03	4.78E-01	1B	1.43E-04	3.76E-02	1B	1.39E-30	3.64E-28	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	2.99E+04	1.55E+02	2B	5.15E-02	1.59E+01	2B	5.81E-03	1.80E+00	2B	8.61E-20	2.66E-17	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	1.69E+04	8.80E+01	3B	1.14E-01	2.00E+01	3B	1.32E-02	2.31E+00	3B	2.19E-17	3.83E-15	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	1.30E+04	6.74E+01	4B	3.79E-02	5.08E+00	4B	4.95E-03	6.63E-01	4B	1.67E-17	2.23E-15	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	8.04E+02	4.17E+00	5B	4.81E-05	4.00E-04	5B	1.00E-05	8.32E-05	5B	3.61E-21	2.99E-20	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	2.65E+02	1.38E+00	6B	8.07E-08	2.21E-07	6B	6.29E-09	1.72E-08	6B	1.19E-28	3.27E-28	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	1.14E+04	5.91E+01	7B	4.33E-12	5.09E-10	7B	2.08E-13	2.45E-11	7B	5.69E-34	6.69E-32	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	3.55E+04	1.85E+02	8B	8.06E-18	2.96E-15	8B	1.58E-17	5.82E-15	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	3.67E+04	1.91E+02	9B	1.05E-25	3.98E-23	9B	7.20E-26	2.73E-23	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.00E+04	1.56E+02	10B	2.92E-34	9.04E-32	10B	2.21E-34	6.85E-32	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.58E+04	1.34E+02	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	2.09E+04	1.09E+02	1C	1.16E-03	2.50E-01	1C	1.92E-04	4.15E-02	1C	1.13E-30	2.44E-28	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	2.33E+04	1.21E+02	2C	3.64E-02	8.76E+00	2C	6.99E-03	1.68E+00	2C	6.86E-20	1.65E-17	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	1.24E+04	6.44E+01	3C	6.38E-02	8.19E+00	3C	1.35E-02	1.73E+00	3C	1.50E-17	1.93E-15	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	9.40E+03	4.88E+01	4C	2.01E-02	1.95E+00	4C	4.96E-03	4.82E-01	4C	1.15E-17	1.12E-15	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	5.13E+02	2.67E+00	5C	3.31E-05	1.76E-04	5C	1.04E-05	5.50E-05	5C	3.24E-21	1.72E-20	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.29E+02	6.69E-01	6C	3.69E-08	4.91E-08	6C	6.64E-09	8.84E-09	6C	1.06E-28	1.41E-28	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	7.41E+03	3.85E+01	7C	2.97E-12	2.27E-10	7C	2.05E-13	1.57E-11	7C	5.09E-34	3.90E-32	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	2.48E+04	1.29E+02	8C	5.24E-18	1.35E-15	8C	1.83E-17	4.69E-15	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	2.59E+04	1.35E+02	9C	8.34E-26	2.23E-23	9C	8.72E-26	2.33E-23	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.18E+04	1.13E+02	10C	2.14E-34	4.81E-32	10C	2.57E-34	5.78E-32	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.00E+04	1.04E+02	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00

total mass discharge into the river adjacent to Site	6.07E+01 kg/yr	8.74E+00 kg/yr	9.16E-15 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr
Percent Capture by GMCS	24 %	27 %	55 %	0.00E+00 %	0.00E+00 %	0.00E+00 %

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.4a
Calculation of Mass Flux - W. G. Krummrich Source Zones
Simulation time 2006

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)	Obs Well	Conc in conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.13E+02	1.63E+00	1A	2.35E-04	7.60E-04	1A	1.92E-05	6.21E-05	1A	3.30E-33	1.07E-32	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	2.76E+02	1.43E+00	2A	5.10E-03	1.45E-02	2A	6.19E-04	1.76E-03	2A	3.87E-21	1.10E-20	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	9.78E+01	5.08E-01	3A	1.31E-02	1.33E-02	3A	1.63E-03	1.64E-03	3A	1.09E-18	1.11E-18	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	8.70E+01	4.52E-01	4A	6.45E-03	5.80E-03	4A	9.40E-04	8.45E-04	4A	3.56E-19	3.20E-19	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	9.84E+01	5.11E-01	5A	2.49E-04	2.53E-04	5A	6.97E-05	7.09E-05	5A	6.67E-22	6.78E-22	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.07E+02	5.55E-01	6A	2.05E-06	2.26E-06	6A	1.81E-07	2.00E-07	6A	2.21E-28	2.44E-28	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	7.87E+01	4.09E-01	7A	2.56E-11	2.08E-11	7A	1.15E-12	9.37E-13	7A	-6.48E-36	-5.27E-36	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	8.36E+01	4.34E-01	8A	8.89E-20	7.67E-20	8A	2.26E-19	1.95E-19	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.22E+02	6.34E-01	9A	1.04E-26	1.31E-26	9A	7.74E-27	9.76E-27	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.53E+02	7.93E-01	10A	3.75E-35	5.92E-35	10A	3.35E-35	5.28E-35	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.32E+02	1.21E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	2.55E+04	1.32E+02	1B	1.68E-03	4.43E-01	1B	1.29E-04	3.40E-02	1B	4.19E-31	1.10E-28	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	3.00E+04	1.56E+02	2B	4.54E-02	1.41E+01	2B	5.09E-03	1.58E+00	2B	1.89E-19	5.86E-17	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	1.70E+04	8.85E+01	3B	1.56E-01	2.74E+01	3B	1.81E-02	3.18E+00	3B	5.97E-17	1.05E-14	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	1.57E+04	8.13E+01	4B	7.82E-02	1.26E+01	4B	1.08E-02	1.74E+00	4B	1.86E-17	3.00E-15	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	1.82E+04	9.47E+01	5B	3.56E-03	6.70E-01	5B	8.99E-04	1.69E-01	5B	3.84E-20	7.23E-18	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	2.52E+04	1.31E+02	6B	3.97E-05	1.03E-02	6B	2.13E-06	5.55E-04	6B	6.84E-27	1.78E-24	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	2.14E+04	1.11E+02	7B	5.87E-10	1.30E-07	7B	1.80E-11	3.98E-09	7B	-2.55E-34	-5.63E-32	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	7.92E-19	2.96E-16	8B	1.93E-18	7.23E-16	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	3.68E+04	1.91E+02	9B	3.13E-26	1.19E-23	9B	2.10E-26	8.00E-24	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.01E+04	1.56E+02	10B	1.97E-34	6.14E-32	10B	1.49E-34	4.62E-32	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.59E+04	1.34E+02	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	2.10E+04	1.09E+02	1C	1.06E-03	2.30E-01	1C	1.73E-04	3.77E-02	1C	3.36E-31	7.29E-29	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	2.34E+04	1.21E+02	2C	3.20E-02	7.72E+00	2C	6.14E-03	1.48E+00	2C	1.48E-19	3.57E-17	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	1.25E+04	6.48E+01	3C	8.82E-02	1.14E+01	3C	1.85E-02	2.38E+00	3C	4.06E-17	5.24E-15	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.13E+04	5.88E+01	4C	4.34E-02	5.08E+00	4C	1.09E-02	1.27E+00	4C	1.27E-17	1.49E-15	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	1.22E+04	6.34E+01	5C	2.05E-03	2.58E-01	5C	8.78E-04	1.11E-01	5C	2.55E-20	3.22E-18	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.64E+04	8.53E+01	6C	1.79E-05	3.03E-03	6C	2.01E-06	3.41E-04	6C	3.84E-27	6.51E-25	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.38E+04	7.16E+01	7C	2.97E-10	4.23E-08	7C	1.64E-11	2.33E-09	7C	-1.70E-34	-2.43E-32	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	2.53E+04	1.31E+02	8C	5.64E-19	1.47E-16	8C	2.16E-18	5.64E-16	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	2.60E+04	1.35E+02	9C	2.42E-26	6.49E-24	9C	2.54E-26	6.82E-24	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.18E+04	1.13E+02	10C	1.45E-34	3.27E-32	10C	1.73E-34	3.91E-32	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.00E+04	1.04E+02	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00
					total mass going into the		kg/yr			8.00E+01 kg/yr			1.20E+01 kg/yr			2.03E-14 kg/yr			0.00E+00 kg/yr			0.00E+00 kg/yr			0.00E+00 kg/y

APPENDIX 6.4b
Calculation of Mass Flux - W. G. Krummrich Source Zones
Simulation time 2010

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in 2010 conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.15E+02	1.64E+00	1A	1.19E-03	3.86E-03	1A	1.13E-04	3.67E-04	1A	6.03E-18	1.96E-17	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	2.79E+02	1.45E+00	2A	1.99E-02	5.72E-02	2A	2.62E-03	7.53E-03	2A	5.34E-11	1.54E-10	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	9.96E+01	5.18E-01	3A	1.47E-01	1.51E-01	3A	2.00E-02	2.06E-02	3A	2.89E-10	2.98E-10	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	7.43E+01	3.86E-01	4A	6.79E-02	5.21E-02	4A	1.04E-02	7.95E-03	4A	2.05E-11	1.58E-11	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	5.56E+00	2.89E-02	5A	3.56E-04	2.05E-05	5A	3.25E-05	1.87E-06	5A	3.58E-16	2.05E-17	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	9.18E-01	4.77E-03	6A	7.17E-06	6.80E-08	6A	7.82E-08	7.42E-10	6A	9.52E-22	9.03E-24	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	4.17E+01	2.17E-01	7A	1.68E-08	7.23E-09	7A	3.70E-10	1.59E-10	7A	3.58E-25	1.54E-25	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	8.36E+01	4.35E-01	8A	1.41E-13	1.22E-13	8A	-9.18E-15	-7.93E-15	8A	-7.54E-30	-6.52E-30	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.23E+02	6.39E-01	9A	-1.33E-24	-1.69E-24	9A	2.05E-24	2.60E-24	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.53E+02	7.96E-01	10A	8.01E-35	1.27E-34	10A	3.74E-34	5.93E-34	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.33E+02	1.21E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	2.56E+04	1.33E+02	1B	7.13E-03	1.89E+00	1B	5.76E-04	1.52E-01	1B	1.50E-16	3.96E-14	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	3.04E+04	1.58E+02	2B	5.97E-02	1.87E+01	2B	7.31E-03	2.30E+00	2B	5.53E-10	1.73E-07	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	1.74E+04	9.02E+01	3B	7.77E-01	1.39E+02	3B	9.51E-02	1.71E+01	3B	3.29E-09	5.91E-07	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	1.34E+04	6.95E+01	4B	3.59E-01	4.97E+01	4B	4.89E-02	6.76E+00	4B	2.14E-10	2.96E-08	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	8.29E+02	4.31E+00	5B	2.22E-03	1.90E-02	5B	1.58E-04	1.35E-03	5B	7.77E-15	6.65E-14	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	2.71E+02	1.41E+00	6B	5.10E-05	1.43E-04	6B	4.93E-07	1.38E-06	6B	1.41E-20	3.95E-20	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	1.17E+04	6.08E+01	7B	1.27E-07	1.54E-05	7B	-1.86E-09	-2.25E-07	7B	9.40E-24	1.14E-21	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	3.48E-12	1.30E-09	8B	1.92E-13	7.20E-11	8B	1.06E-28	3.98E-26	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	3.71E+04	1.93E+02	9B	-2.64E-23	-1.01E-20	9B	9.28E-24	3.56E-21	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.02E+04	1.57E+02	10B	9.81E-34	3.06E-31	10B	-4.96E-33	-1.55E-30	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.59E+04	1.35E+02	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	2.11E+04	1.10E+02	1C	4.59E-03	1.00E+00	1C	7.70E-04	1.68E-01	1C	1.86E-16	4.07E-14	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	2.36E+04	1.23E+02	2C	4.36E-02	1.06E+01	2C	8.67E-03	2.12E+00	2C	6.47E-10	1.58E-07	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	1.27E+04	6.60E+01	3C	4.70E-01	6.17E+01	3C	1.05E-01	1.37E+01	3C	3.45E-09	4.54E-07	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	9.70E+03	5.04E+01	4C	2.12E-01	2.13E+01	4C	5.39E-02	5.40E+00	4C	2.25E-10	2.25E-08	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	5.30E+02	2.75E+00	5C	1.42E-03	7.80E-03	5C	2.56E-04	1.40E-03	5C	8.42E-15	4.61E-14	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.32E+02	6.88E-01	6C	2.23E-05	3.06E-05	6C	6.16E-07	8.43E-07	6C	1.87E-20	2.57E-20	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	7.62E+03	3.96E+01	7C	9.31E-08	7.33E-06	7C	-6.92E-10	-5.44E-08	7C	3.10E-23	2.44E-21	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	2.53E+04	1.32E+02	8C	1.82E-12	4.76E-10	8C	2.20E-13	5.75E-11	8C	1.65E-28	4.33E-26	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	2.62E+04	1.36E+02	9C	-3.69E-23	-9.98E-21	9C	1.21E-23	3.29E-21	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.19E+04	1.14E+02	10C	3.05E-34	6.92E-32	10C	2.25E-33	5.10E-31	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.01E+04	1.04E+02	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00

total mass discharge into the river adjacent to Site	3.05E+02 kg/yr	4.77E+01 kg/yr	1.43E-06 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr
Percent Capture by GMCS	9 %	6 %	-6 %	0.00E+00 %	0.00E+00 %	0.00E+00 %	0.00E+00 %

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.4b
Calculation of Mass Flux - W. G. Krummrich Source Zones
Simulation time 2010

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
			Q (ft3/day)	Q (gpm)	Obs Well	Conc in 2010 conc (mg/L)	Mass Flux (kg/yr	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)	Obs Well	Conc in 2010 conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	3.13E+02	1.63E+00	1A	1.10E-03	3.56E-03	1A	1.04E-04	3.37E-04	1A	3.95E-18	1.28E-17	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	2.76E+02	1.43E+00	2A	1.83E-02	5.22E-02	2A	2.36E-03	6.71E-03	2A	4.42E-11	1.26E-10	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	9.78E+01	5.08E-01	3A	1.45E-01	1.47E-01	3A	1.97E-02	1.99E-02	3A	2.81E-10	2.84E-10	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	8.70E+01	4.52E-01	4A	7.42E-02	6.67E-02	4A	1.12E-02	1.01E-02	4A	2.22E-11	1.99E-11	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	9.84E+01	5.11E-01	5A	9.38E-03	9.54E-03	5A	8.65E-04	8.80E-04	5A	5.82E-14	5.92E-14	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.07E+02	5.55E-01	6A	4.34E-04	4.79E-04	6A	6.80E-06	7.51E-06	6A	1.39E-18	1.54E-18	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	7.87E+01	4.09E-01	7A	9.88E-08	8.04E-08	7A	1.22E-09	9.96E-10	7A	-2.33E-26	-1.90E-26	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	8.36E+01	4.34E-01	8A	2.89E-13	2.50E-13	8A	3.01E-15	2.60E-15	8A	1.51E-34	1.30E-34	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.22E+02	6.34E-01	9A	-2.28E-21	-2.88E-21	9A	-2.39E-23	-3.01E-23	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.53E+02	7.93E-01	10A	1.10E-30	1.74E-30	10A	3.04E-33	4.79E-33	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.32E+02	1.21E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	2.55E+04	1.32E+02	1B	6.84E-03	1.80E+00	1B	5.48E-04	1.44E-01	1B	9.80E-17	2.58E-14	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	3.00E+04	1.56E+02	2B	5.55E-02	1.72E+01	2B	6.59E-03	2.05E+00	2B	4.60E-10	1.43E-07	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	1.70E+04	8.85E+01	3B	7.75E-01	1.36E+02	3B	9.45E-02	1.66E+01	3B	3.21E-09	5.64E-07	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	1.57E+04	8.13E+01	4B	3.93E-01	6.36E+01	4B	5.29E-02	8.55E+00	4B	2.48E-10	4.02E-08	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	1.82E+04	9.47E+01	5B	6.08E-02	1.15E+01	5B	4.30E-03	8.09E-01	5B	7.43E-13	1.40E-10	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	2.52E+04	1.31E+02	6B	2.32E-03	6.05E-01	6B	3.14E-05	8.20E-03	6B	1.58E-17	4.11E-15	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	2.14E+04	1.11E+02	7B	7.87E-07	1.74E-04	7B	9.01E-09	1.99E-06	7B	-2.04E-25	-4.50E-23	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	3.62E+04	1.88E+02	8B	1.86E-12	6.97E-10	8B	1.54E-14	5.77E-12	8B	-2.26E-33	-8.46E-31	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	3.68E+04	1.91E+02	9B	3.46E-20	1.32E-17	9B	4.00E-22	1.52E-19	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.01E+04	1.56E+02	10B	-3.96E-29	-1.23E-26	10B	-1.07E-31	-3.31E-29	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.59E+04	1.34E+02	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	2.10E+04	1.09E+02	1C	4.39E-03	9.53E-01	1C	7.34E-04	1.59E-01	1C	1.22E-16	2.64E-14	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	2.34E+04	1.21E+02	2C	3.99E-02	9.63E+00	2C	7.76E-03	1.87E+00	2C	5.37E-10	1.30E-07	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	1.25E+04	6.48E+01	3C	4.65E-01	5.99E+01	3C	1.04E-01	1.34E+01	3C	3.38E-09	4.35E-07	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.13E+04	5.88E+01	4C	2.32E-01	2.71E+01	4C	5.83E-02	6.82E+00	4C	2.63E-10	3.07E-08	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	1.22E+04	6.34E+01	5C	3.50E-02	4.41E+00	5C	4.49E-03	5.67E-01	5C	7.46E-13	9.41E-11	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.64E+04	8.53E+01	6C	1.29E-03	2.20E-01	6C	2.86E-05	4.86E-03	6C	1.76E-17	2.99E-15	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.38E+04	7.16E+01	7C	3.95E-07	5.62E-05	7C	6.45E-09	9.19E-07	7C	-1.36E-24	-1.94E-22	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	2.53E+04	1.31E+02	8C	1.03E-12	2.70E-10	8C	1.68E-14	4.38E-12	8C	2.28E-34	5.94E-32	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	2.60E+04	1.35E+02	9C	-1.12E-21	-3.01E-19	9C	-2.02E-22	-5.44E-20	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.18E+04	1.13E+02	10C	1.48E-29	3.33E-27	10C	6.46E-32	1.46E-29	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.00E+04	1.04E+02	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00
						total mass going into the	kg/yr		3.34E+02	kg/yr		5.10E+01	kg/yr		1.34E-06	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/y

APPENDIX 6.4c
Calculation of Mass Flux - W. G. Krummrich Source Zones
Simulation time 2020

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.40E+02	3.33E+00	1A	1.40E-07	9.24E-07	1A	2.77E-08	1.83E-07	1A	1.37E-17	9.08E-17	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	4.89E+02	2.54E+00	2A	1.58E-05	7.98E-05	2A	4.88E-06	2.46E-05	2A	1.95E-11	9.85E-11	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	1.62E+02	8.40E-01	3A	1.27E-01	2.12E-01	3A	2.84E-02	4.74E-02	3A	4.11E-08	6.87E-08	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	1.20E+02	6.24E-01	4A	6.97E-01	8.65E-01	4A	1.19E-01	1.48E-01	4A	1.06E-07	1.32E-07	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	8.18E+00	4.25E-02	5A	1.07E-02	9.08E-04	5A	1.48E-03	1.25E-04	5A	-2.87E-10	-2.43E-11	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.18E+00	6.11E-03	6A	4.11E-04	4.99E-06	6A	2.03E-05	2.47E-07	6A	3.19E-14	3.88E-16	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	5.81E+01	3.02E-01	7A	4.13E-06	2.48E-06	7A	1.74E-07	1.05E-07	7A	-3.41E-16	-2.05E-16	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	1.12E+02	5.80E-01	8A	3.51E-09	4.05E-09	8A	-4.22E-11	-4.87E-11	8A	4.19E-21	4.84E-21	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.52E+02	7.89E-01	9A	2.26E-17	3.54E-17	9A	1.30E-18	2.04E-18	9A	-1.33E-29	-2.09E-29	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.79E+02	9.31E-01	10A	-6.14E-27	-1.14E-26	10A	2.21E-29	4.09E-29	10A	9.90E-41	1.83E-40	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.63E+02	1.37E+00	11A	-2.39E-37	-6.50E-37	11A	-9.29E-37	-2.53E-36	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	5.17E+04	2.69E+02	1B	1.14E-07	6.09E-05	1B	1.22E-08	6.55E-06	1B	3.36E-17	1.80E-14	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	5.21E+04	2.71E+02	2B	3.15E-05	1.70E-02	2B	8.40E-06	4.52E-03	2B	6.54E-11	3.52E-08	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	2.82E+04	1.47E+02	3B	4.44E-01	1.29E+02	3B	9.08E-02	2.65E+01	3B	2.02E-07	5.91E-05	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	2.17E+04	1.13E+02	4B	2.54E+00	5.72E+02	4B	3.95E-01	8.87E+01	4B	3.81E-07	8.55E-05	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	1.29E+03	6.71E+00	5B	6.15E-02	8.21E-01	5B	7.76E-03	1.04E-01	5B	-6.33E-10	-8.46E-09	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	3.45E+02	1.79E+00	6B	2.30E-03	8.20E-03	6B	1.15E-04	4.09E-04	6B	2.97E-13	1.06E-12	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	1.62E+04	8.41E+01	7B	2.30E-05	3.86E-03	7B	1.94E-07	3.25E-05	7B	1.57E-15	2.62E-13	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	4.79E+04	2.49E+02	8B	6.29E-11	3.11E-08	8B	2.43E-10	1.20E-07	8B	-8.80E-21	-4.35E-18	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	4.56E+04	2.37E+02	9B	4.06E-17	1.91E-14	9B	-2.66E-18	-1.25E-15	9B	1.90E-29	8.93E-27	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.54E+04	1.84E+02	10B	8.84E-26	3.24E-23	10B	-8.21E-27	-3.01E-24	10B	-2.92E-38	-1.07E-35	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.93E+04	1.52E+02	11B	-2.83E-35	-8.56E-33	11B	6.38E-36	1.93E-33	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	4.27E+04	2.22E+02	1C	5.31E-08	2.35E-05	1C	6.16E-09	2.72E-06	1C	3.82E-17	1.68E-14	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	4.06E+04	2.11E+02	2C	2.60E-05	1.09E-02	2C	9.07E-06	3.81E-03	2C	6.87E-11	2.88E-08	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	2.07E+04	1.08E+02	3C	3.15E-01	6.73E+01	3C	9.60E-02	2.05E+01	3C	2.14E-07	4.57E-05	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.58E+04	8.19E+01	4C	1.72E+00	2.81E+02	4C	4.15E-01	6.76E+01	4C	4.50E-07	7.34E-05	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	8.41E+02	4.37E+00	5C	4.34E-02	3.77E-01	5C	1.17E-02	1.02E-01	5C	1.09E-08	9.45E-08	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.73E+02	9.01E-01	6C	1.05E-03	1.89E-03	6C	1.95E-04	3.50E-04	6C	4.86E-13	8.72E-13	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.06E+04	5.49E+01	7C	1.37E-05	1.49E-03	7C	2.06E-07	2.24E-05	7C	-2.72E-15	-2.97E-13	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	3.34E+04	1.74E+02	8C	1.91E-09	6.60E-07	8C	2.80E-10	9.67E-08	8C	-6.73E-20	-2.33E-17	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	3.22E+04	1.67E+02	9C	6.54E-17	2.18E-14	9C	-5.83E-18	-1.94E-15	9C	9.11E-29	3.03E-26	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.57E+04	1.34E+02	10C	-2.40E-26	-6.38E-24	10C	1.62E-26	4.30E-24	10C	5.58E-38	1.48E-35	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.27E+04	1.18E+02	11C	1.56E-35	3.66E-33	11C	-6.82E-36	-1.60E-33	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00

total mass discharge into the river adjacent to Site	1.05E+03 kg/yr	2.04E+02 kg/yr	2.64E-04 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr
Percent Capture by GMCS	28 %	28 %	19 %	0.00E+00 %	0.00E+00 %	0.00E+00 %	0.00E+00 %

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.4c
Calculation of Mass Flux - W. G. Krummrich Source Zones
Simulation time 2020

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020			Conc in 2020	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1	to 12 =	6.29E+02	3.26E+00	1A	1.49E-07	9.67E-07	1A	2.63E-08	1.71E-07	1A	6.36E-18	4.13E-17	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2	to 12 =	4.68E+02	2.43E+00	2A	4.25E-06	2.05E-05	2A	1.41E-06	6.82E-06	2A	4.42E-12	2.14E-11	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3	to 12 =	1.48E+02	7.68E-01	3A	4.15E-02	6.33E-02	3A	1.07E-02	1.63E-02	3A	1.87E-08	2.85E-08	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4	to 12 =	1.26E+02	6.54E-01	4A	5.25E-01	6.83E-01	4A	9.66E-02	1.26E-01	4A	9.93E-08	1.29E-07	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5	to 12 =	1.38E+02	7.15E-01	5A	3.71E-01	5.28E-01	5A	6.71E-02	9.55E-02	5A	1.84E-08	2.62E-08	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6	to 12 =	1.45E+02	7.52E-01	6A	1.70E-02	2.54E-02	6A	1.89E-03	2.83E-03	6A	4.52E-11	6.76E-11	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7	to 12 =	1.02E+02	5.28E-01	7A	1.81E-05	1.90E-05	7A	4.54E-07	4.76E-07	7A	1.27E-15	1.34E-15	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8	to 12 =	1.04E+02	5.40E-01	8A	1.56E-10	1.67E-10	8A	1.97E-11	2.12E-11	8A	-2.28E-21	-2.45E-21	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9	to 12 =	1.46E+02	7.57E-01	9A	-5.13E-17	-7.73E-17	9A	1.09E-19	1.64E-19	9A	-5.03E-28	-7.58E-28	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10	to 12 =	1.75E+02	9.10E-01	10A	-7.69E-26	-1.39E-25	10A	-5.27E-28	-9.54E-28	10A	-2.09E-37	-3.78E-37	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11	to 12 =	2.59E+02	1.35E+00	11A	-3.36E-34	-9.01E-34	11A	2.53E-36	6.78E-36	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1	to 12 =	5.08E+04	2.64E+02	1B	1.11E-07	5.81E-05	1B	1.52E-08	7.98E-06	1B	1.26E-17	6.64E-15	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2	to 12 =	4.98E+04	2.59E+02	2B	6.07E-06	3.12E-03	2B	1.79E-06	9.18E-04	2B	1.87E-11	9.64E-09	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3	to 12 =	2.58E+04	1.34E+02	3B	1.52E-01	4.04E+01	3B	3.53E-02	9.41E+00	3B	8.85E-08	2.36E-05	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4	to 12 =	2.27E+04	1.18E+02	4B	2.07E+00	4.86E+02	4B	3.45E-01	8.10E+01	4B	5.44E-07	1.28E-04	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5	to 12 =	2.54E+04	1.32E+02	5B	1.64E+00	4.30E+02	5B	2.65E-01	6.96E+01	5B	1.21E-07	3.18E-05	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6	to 12 =	3.37E+04	1.75E+02	6B	6.57E-02	2.29E+01	6B	6.59E-03	2.30E+00	6B	8.96E-11	3.12E-08	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7	to 12 =	2.74E+04	1.43E+02	7B	6.92E-05	1.96E-02	7B	2.37E-06	6.72E-04	7B	-3.32E-15	-9.41E-13	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8	to 12 =	4.47E+04	2.32E+02	8B	6.30E-10	2.91E-07	8B	-3.56E-11	-1.64E-08	8B	1.10E-19	5.07E-17	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9	to 12 =	4.38E+04	2.27E+02	9B	2.49E-16	1.12E-13	9B	-8.48E-19	-3.84E-16	9B	4.00E-27	1.81E-24	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10	to 12 =	3.46E+04	1.80E+02	10B	1.62E-25	5.81E-23	10B	6.67E-27	2.39E-24	10B	-1.48E-36	-5.29E-34	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11	to 12 =	2.89E+04	1.50E+02	11B	-1.37E-33	-4.09E-31	11B	1.13E-36	3.38E-34	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1	to 12 =	4.19E+04	2.18E+02	1C	5.06E-08	2.19E-05	1C	7.83E-09	3.40E-06	1C	1.66E-17	7.20E-15	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2	to 12 =	3.88E+04	2.02E+02	2C	4.70E-06	1.89E-03	2C	1.83E-06	7.33E-04	2C	1.69E-11	6.78E-09	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3	to 12 =	1.89E+04	9.82E+01	3C	1.06E-01	2.08E+01	3C	3.77E-02	7.36E+00	3C	9.90E-08	1.93E-05	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4	to 12 =	1.64E+04	8.54E+01	4C	1.40E+00	2.38E+02	4C	3.62E-01	6.15E+01	4C	5.95E-07	1.01E-04	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5	to 12 =	1.71E+04	8.86E+01	5C	1.16E+00	2.04E+02	5C	2.75E-01	4.85E+01	5C	1.28E-07	2.25E-05	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6	to 12 =	2.20E+04	1.14E+02	6C	4.19E-02	9.51E+00	6C	6.92E-03	1.57E+00	6C	1.17E-10	2.65E-08	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7	to 12 =	1.77E+04	9.20E+01	7C	4.84E-05	8.86E-03	7C	1.73E-06	3.17E-04	7C	1.22E-13	2.23E-11	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8	to 12 =	3.13E+04	1.62E+02	8C	4.51E-10	1.46E-07	8C	5.49E-11	1.77E-08	8C	-2.54E-20	-8.19E-18	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9	to 12 =	3.09E+04	1.61E+02	9C	-9.34E-17	-2.98E-14	9C	1.74E-18	5.56E-16	9C	-7.22E-28	-2.30E-25	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10	to 12 =	2.51E+04	1.31E+02	10C	-1.02E-25	-2.66E-23	10C	-6.63E-27	-1.72E-24	10C	3.21E-36	8.33E-34	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11	to 12 =	2.24E+04	1.16E+02	11C	8.49E-34	1.97E-31	11C	1.32E-36	3.05E-34	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00
						total mass going into the	kg/yr		1.45E+03	kg/yr		2.82E+02	kg/yr		3.26E-04	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/y

APPENDIX 6.4d
Calculation of Mass Flux - W. G. Krummrich Source Zones
Simulation time 2030

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.45E+02	3.35E+00	1A	1.82E-12	1.21E-11	1A	1.30E-12	8.70E-12	1A	1.09E-22	7.27E-22	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	4.92E+02	2.56E+00	2A	5.08E-06	2.59E-05	2A	2.03E-06	1.03E-05	2A	2.87E-12	1.46E-11	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	1.63E+02	8.46E-01	3A	9.92E-02	1.67E-01	3A	2.34E-02	3.95E-02	3A	3.98E-08	6.70E-08	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	1.21E+02	6.29E-01	4A	6.28E-01	7.85E-01	4A	1.08E-01	1.36E-01	4A	1.34E-07	1.67E-07	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	8.23E+00	4.28E-02	5A	1.35E-02	1.15E-03	5A	1.95E-03	1.66E-04	5A	2.27E-10	1.93E-11	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.18E+00	6.14E-03	6A	5.27E-04	6.44E-06	6A	3.33E-05	4.06E-07	6A	2.12E-13	2.59E-15	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	5.85E+01	3.04E-01	7A	4.73E-06	2.86E-06	7A	1.51E-07	9.12E-08	7A	4.16E-16	2.51E-16	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	1.12E+02	5.83E-01	8A	1.97E-09	2.29E-09	8A	3.60E-11	4.18E-11	8A	9.89E-21	1.15E-20	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.53E+02	7.93E-01	9A	4.53E-17	7.15E-17	9A	8.21E-19	1.29E-18	9A	5.62E-30	8.87E-30	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.80E+02	9.34E-01	10A	2.81E-26	5.23E-26	10A	5.03E-28	9.34E-28	10A	-2.97E-40	-5.52E-40	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.64E+02	1.37E+00	11A	3.71E-35	1.01E-34	11A	5.27E-37	1.44E-36	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	5.21E+04	2.71E+02	1B	2.72E-12	1.46E-09	1B	1.63E-12	8.78E-10	1B	4.83E-22	2.60E-19	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	5.25E+04	2.73E+02	2B	1.38E-05	7.46E-03	2B	4.99E-06	2.70E-03	2B	1.04E-11	5.64E-09	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	2.84E+04	1.48E+02	3B	3.52E-01	1.03E+02	3B	7.53E-02	2.21E+01	3B	1.88E-07	5.53E-05	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	2.19E+04	1.14E+02	4B	2.26E+00	5.11E+02	4B	3.53E-01	7.98E+01	4B	6.45E-07	1.46E-04	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	1.30E+03	6.75E+00	5B	6.85E-02	9.20E-01	5B	8.72E-03	1.17E-01	5B	1.69E-09	2.27E-08	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	3.47E+02	1.80E+00	6B	2.64E-03	9.46E-03	6B	1.54E-04	5.53E-04	6B	1.61E-12	5.78E-12	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	1.63E+04	8.46E+01	7B	2.34E-05	3.94E-03	7B	6.52E-07	1.10E-04	7B	2.61E-15	4.39E-13	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	4.81E+04	2.50E+02	8B	6.08E-09	3.03E-06	8B	1.03E-10	5.13E-08	8B	5.66E-21	2.81E-18	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	4.58E+04	2.38E+02	9B	1.32E-16	6.22E-14	9B	2.18E-18	1.03E-15	9B	2.12E-29	1.00E-26	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.56E+04	1.85E+02	10B	1.49E-25	5.47E-23	10B	2.19E-27	8.05E-25	10B	1.73E-39	6.37E-37	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.94E+04	1.53E+02	11B	1.29E-34	3.92E-32	11B	1.67E-36	5.09E-34	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	4.30E+04	2.24E+02	1C	1.67E-12	7.43E-10	1C	1.21E-12	5.38E-10	1C	5.76E-22	2.56E-19	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	4.09E+04	2.12E+02	2C	1.20E-05	5.09E-03	2C	5.68E-06	2.40E-03	2C	1.22E-11	5.14E-09	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	2.08E+04	1.08E+02	3C	2.49E-01	5.37E+01	3C	7.97E-02	1.72E+01	3C	2.07E-07	4.45E-05	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.59E+04	8.25E+01	4C	1.54E+00	2.53E+02	4C	3.70E-01	6.08E+01	4C	7.04E-07	1.16E-04	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	8.47E+02	4.40E+00	5C	4.70E-02	4.11E-01	5C	1.32E-02	1.15E-01	5C	2.91E-09	2.55E-08	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.74E+02	9.06E-01	6C	1.17E-03	2.12E-03	6C	2.79E-04	5.02E-04	6C	2.83E-12	5.10E-12	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.06E+04	5.52E+01	7C	1.51E-05	1.66E-03	7C	6.83E-07	7.50E-05	7C	3.01E-15	3.31E-13	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	3.36E+04	1.75E+02	8C	4.17E-09	1.45E-06	8C	1.09E-10	3.80E-08	8C	2.22E-22	7.72E-20	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	3.23E+04	1.68E+02	9C	1.20E-16	4.00E-14	9C	2.64E-18	8.81E-16	9C	2.59E-29	8.65E-27	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.58E+04	1.34E+02	10C	1.16E-25	3.11E-23	10C	2.54E-27	6.78E-25	10C	-4.45E-40	-1.19E-37	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.28E+04	1.18E+02	11C	1.26E-34	2.96E-32	11C	2.20E-36	5.18E-34	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00

total mass discharge into the river adjacent to Site	9.23E+02 kg/yr	1.80E+02 kg/yr	3.62E-04 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr	0.00E+00 kg/yr
Percent Capture by GMCS	29 %	29 %	14 %	0.00E+00 %	0.00E+00 %	0.00E+00 %	0.00E+00 %

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.4d
Calculation of Mass Flux - W. G. Krummrich Source Zones
Simulation time 2030

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030			Conc in 2030	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.33E+02	3.29E+00	1A	2.25E-12	1.48E-11	1A	1.22E-12	8.01E-12	1A	-4.19E-23	-2.74E-22	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00			
SHU Zone	2 to	12 =	4.71E+02	2.45E+00	2A	6.46E-07	3.14E-06	2A	2.88E-07	1.40E-06	2A	3.71E-13	1.81E-12	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00			
SHU Zone	3 to	12 =	1.49E+02	7.72E-01	3A	2.94E-02	4.51E-02	3A	8.10E-03	1.24E-02	3A	1.36E-08	2.08E-08	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00			
SHU Zone	4 to	12 =	1.27E+02	6.57E-01	4A	4.48E-01	5.85E-01	4A	8.52E-02	1.11E-01	4A	1.29E-07	1.68E-07	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00			
SHU Zone	5 to	12 =	1.38E+02	7.19E-01	5A	3.58E-01	5.12E-01	5A	6.55E-02	9.36E-02	5A	3.81E-08	5.45E-08	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00			
SHU Zone	6 to	12 =	1.45E+02	7.56E-01	6A	1.64E-02	2.47E-02	6A	2.01E-03	3.03E-03	6A	1.01E-10	1.53E-10	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00			
SHU Zone	7 to	12 =	1.02E+02	5.30E-01	7A	1.75E-05	1.85E-05	7A	6.49E-07	6.85E-07	7A	2.13E-15	2.25E-15	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00			
SHU Zone	8 to	12 =	1.05E+02	5.42E-01	8A	2.57E-10	2.77E-10	8A	5.32E-12	5.74E-12	8A	1.06E-21	1.15E-21	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00			
SHU Zone	9 to	12 =	1.46E+02	7.60E-01	9A	1.41E-17	2.14E-17	9A	3.08E-19	4.65E-19	9A	-6.71E-31	-1.01E-30	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00			
SHU Zone	10 to	12 =	1.76E+02	9.13E-01	10A	-2.39E-25	-4.34E-25	10A	2.39E-26	4.34E-26	10A	4.14E-38	7.52E-38	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00			
SHU Zone	11 to	12 =	2.60E+02	1.35E+00	11A	-4.88E-33	-1.31E-32	11A	2.40E-34	6.46E-34	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00			
MHU Zone	1 to	12 =	5.12E+04	2.66E+02	1B	3.23E-12	1.71E-09	1B	1.52E-12	8.05E-10	1B	-2.01E-22	-1.06E-19	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00			
MHU Zone	2 to	12 =	5.01E+04	2.60E+02	2B	1.79E-06	9.26E-04	2B	7.26E-07	3.76E-04	2B	1.38E-12	7.15E-10	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00			
MHU Zone	3 to	12 =	2.59E+04	1.35E+02	3B	1.11E-01	2.96E+01	3B	2.75E-02	7.36E+00	3B	6.83E-08	1.83E-05	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00			
MHU Zone	4 to	12 =	2.29E+04	1.19E+02	4B	1.75E+00	4.13E+02	4B	3.00E-01	7.08E+01	4B	6.75E-07	1.60E-04	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00			
MHU Zone	5 to	12 =	2.56E+04	1.33E+02	5B	1.54E+00	4.07E+02	5B	2.50E-01	6.61E+01	5B	2.24E-07	5.92E-05	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00			
MHU Zone	6 to	12 =	3.39E+04	1.76E+02	6B	6.21E-02	2.18E+01	6B	6.74E-03	2.36E+00	6B	5.13E-10	1.80E-07	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00			
MHU Zone	7 to	12 =	2.76E+04	1.43E+02	7B	6.75E-05	1.92E-02	7B	2.23E-06	6.35E-04	7B	1.09E-14	3.09E-12	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00			
MHU Zone	8 to	12 =	4.49E+04	2.33E+02	8B	8.36E-10	3.88E-07	8B	1.49E-11	6.90E-09	8B	3.97E-21	1.84E-18	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00			
MHU Zone	9 to	12 =	4.39E+04	2.28E+02	9B	1.28E-17	5.80E-15	9B	2.66E-19	1.21E-16	9B	-2.11E-29	-9.59E-27	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00			
MHU Zone	10 to	12 =	3.47E+04	1.80E+02	10B	1.36E-24	4.87E-22	10B	-6.86E-26	-2.46E-23	10B	2.72E-37	9.77E-35	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00			
MHU Zone	11 to	12 =	2.90E+04	1.50E+02	11B	1.66E-32	4.98E-30	11B	-1.69E-33	-5.05E-31	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00			
DHU Zone	1 to	12 =	4.22E+04	2.19E+02	1C	1.97E-12	8.58E-10	1C	1.17E-12	5.12E-10	1C	1.90E-22	8.30E-20	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00			
DHU Zone	2 to	12 =	3.91E+04	2.03E+02	2C	1.58E-06	6.37E-04	2C	8.31E-07	3.36E-04	2C	1.62E-12	6.56E-10	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00			
DHU Zone	3 to	12 =	1.90E+04	9.88E+01	3C	7.82E-02	1.54E+01	3C	2.92E-02	5.75E+00	3C	7.52E-08	1.48E-05	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00			
DHU Zone	4 to	12 =	1.65E+04	8.59E+01	4C	1.19E+00	2.03E+02	4C	3.15E-01	5.38E+01	4C	7.37E-07	1.26E-04	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00			
DHU Zone	5 to	12 =	1.71E+04	8.91E+01	5C	1.10E+00	1.94E+02	5C	2.60E-01	4.60E+01	5C	2.37E-07	4.20E-05	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00			
DHU Zone	6 to	12 =	2.21E+04	1.15E+02	6C	4.00E-02	9.12E+00	6C	7.07E-03	1.61E+00	6C	5.74E-10	1.31E-07	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00			
DHU Zone	7 to	12 =	1.78E+04	9.24E+01	7C	4.74E-05	8.72E-03	7C	2.34E-06	4.31E-04	7C	1.27E-14	2.33E-12	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00			
DHU Zone	8 to	12 =	3.14E+04	1.63E+02	8C	5.70E-10	1.85E-07	8C	1.68E-11	5.44E-09	8C	4.85E-21	1.57E-18	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00			
DHU Zone	9 to	12 =	3.10E+04	1.61E+02	9C	3.73E-17	1.20E-14	9C	8.27E-19	2.65E-16	9C	2.94E-29	9.43E-27	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00			
DHU Zone	10 to	12 =	2.52E+04	1.31E+02	10C	-7.81E-25	-2.04E-22	10C	4.35E-26	1.13E-23	10C	-2.63E-37	-6.86E-35	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00			
DHU Zone	11 to	12 =	2.25E+04	1.17E+02	11C	-7.44E-33	-1.73E-30	11C	1.83E-33	4.25E-31	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00			
						total mass going into the	kg/yr		1.29E+03	kg/yr		2.54E+02	kg/yr		4.20E-04	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/y

APPENDIX 6.4e
Calculation of Mass Flux - W. G. Krummrich Source Zones
Simulation Time 2038

GMCS *ON*

						CB			14DCB			24D			PCE			TCE			12DCE			VC	
						Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.46E+02	3.35E+00	1A	6.06E-16	4.04E-15	1A	6.71E-16	4.48E-15	1A	7.29E-23	4.87E-22	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	4.93E+02	2.56E+00	2A	4.47E-06	2.27E-05	2A	1.78E-06	9.06E-06	2A	2.41E-12	1.22E-11	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	1.63E+02	8.47E-01	3A	8.63E-02	1.45E-01	3A	2.03E-02	3.42E-02	3A	3.47E-08	5.85E-08	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	1.21E+02	6.29E-01	4A	5.45E-01	6.81E-01	4A	9.41E-02	1.18E-01	4A	1.19E-07	1.48E-07	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	8.23E+00	4.28E-02	5A	1.22E-02	1.04E-03	5A	1.76E-03	1.49E-04	5A	2.08E-10	1.77E-11	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.18E+00	6.14E-03	6A	4.71E-04	5.75E-06	6A	3.02E-05	3.68E-07	6A	1.96E-13	2.39E-15	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	5.85E+01	3.04E-01	7A	4.13E-06	2.50E-06	7A	1.36E-07	8.20E-08	7A	3.77E-16	2.28E-16	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	1.12E+02	5.83E-01	8A	1.77E-09	2.05E-09	8A	3.26E-11	3.79E-11	8A	4.77E-21	5.54E-21	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.53E+02	7.93E-01	9A	4.07E-17	6.41E-17	9A	7.39E-19	1.17E-18	9A	1.28E-29	2.02E-29	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.80E+02	9.35E-01	10A	2.70E-26	5.03E-26	10A	4.94E-28	9.18E-28	10A	1.09E-39	2.02E-39	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.64E+02	1.37E+00	11A	4.36E-35	1.19E-34	11A	7.45E-37	2.03E-36	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	5.21E+04	2.71E+02	1B	1.60E-15	8.62E-13	1B	1.09E-15	5.90E-13	1B	3.33E-22	1.79E-19	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	5.25E+04	2.73E+02	2B	1.21E-05	6.54E-03	2B	4.36E-06	2.36E-03	2B	8.75E-12	4.75E-09	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	2.84E+04	1.48E+02	3B	3.03E-01	8.92E+01	3B	6.47E-02	1.90E+01	3B	1.64E-07	4.83E-05	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	2.19E+04	1.14E+02	4B	1.94E+00	4.40E+02	4B	3.04E-01	6.87E+01	4B	5.68E-07	1.29E-04	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	1.30E+03	6.76E+00	5B	6.10E-02	8.20E-01	5B	7.77E-03	1.04E-01	5B	1.52E-09	2.05E-08	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	3.47E+02	1.80E+00	6B	2.33E-03	8.35E-03	6B	1.38E-04	4.96E-04	6B	1.48E-12	5.30E-12	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	1.63E+04	8.47E+01	7B	2.03E-05	3.42E-03	7B	5.83E-07	9.82E-05	7B	2.48E-15	4.18E-13	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	4.81E+04	2.50E+02	8B	5.40E-09	2.69E-06	8B	9.26E-11	4.61E-08	8B	1.71E-20	8.49E-18	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	4.58E+04	2.38E+02	9B	1.19E-16	5.62E-14	9B	1.96E-18	9.29E-16	9B	4.65E-29	2.20E-26	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.56E+04	1.85E+02	10B	1.30E-25	4.79E-23	10B	2.11E-27	7.78E-25	10B	7.23E-39	2.66E-36	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.94E+04	1.53E+02	11B	1.49E-34	4.51E-32	11B	2.24E-36	6.82E-34	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	4.31E+04	2.24E+02	1C	1.46E-15	6.51E-13	1C	1.13E-15	5.01E-13	1C	4.05E-22	1.80E-19	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	4.09E+04	2.13E+02	2C	1.06E-05	4.47E-03	2C	4.97E-06	2.10E-03	2C	1.02E-11	4.33E-09	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	2.08E+04	1.08E+02	3C	2.15E-01	4.64E+01	3C	6.86E-02	1.48E+01	3C	1.80E-07	3.88E-05	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.59E+04	8.25E+01	4C	1.33E+00	2.18E+02	4C	3.19E-01	5.24E+01	4C	6.21E-07	1.02E-04	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	8.48E+02	4.40E+00	5C	4.18E-02	3.66E-01	5C	1.17E-02	1.03E-01	5C	2.55E-09	2.24E-08	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	1.74E+02	9.06E-01	6C	1.03E-03	1.86E-03	6C	2.51E-04	4.52E-04	6C	2.60E-12	4.69E-12	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.06E+04	5.52E+01	7C	1.32E-05	1.45E-03	7C	6.13E-07	6.73E-05	7C	2.86E-15	3.14E-13	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	3.36E+04	1.75E+02	8C	3.71E-09	1.29E-06	8C	9.81E-11	3.41E-08	8C	2.02E-20	7.01E-18	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	3.23E+04	1.68E+02	9C	1.08E-16	3.61E-14	9C	2.38E-18	7.95E-16	9C	5.82E-29	1.94E-26	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.58E+04	1.34E+02	10C	1.11E-25	2.96E-23	10C	2.46E-27	6.56E-25	10C	8.51E-39	2.27E-36	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.28E+04	1.18E+02	11C	1.41E-34	3.33E-32	11C	2.95E-36	6.96E-34	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00
						total mass discharge into the river adjacent to Site	7.95E+02 kg/yr		1.55E+02 kg/yr			3.18E-04 kg/yr			0.00E+00 kg/yr			0.00E+00 kg/yr			0.00E+00 kg/yr			0.00E+00 kg/yr	
						Percent Capture by GMCS	28 %		29 %			14 %			0 %			0 %			0 %			0 %	

Notes:
1. Negative numbers are an artifact of modeling.

APPENDIX 6.4e
Calculation of Mass Flux - W. G. Krummrich Source Zones
Simulation Time 2038

GMCS *OFF*

						CB			14DCB			24D			PCE			TCE			DCE			VC	
						Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038			Conc in 2038	
			Q (ft3/day)	Q (gpm)	Obs Well	conc (mg/L)	Mass Flux (kg/yr	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)	Obs Well	conc (mg/L)	Mass (kg)
SHU Zone	1 to	12 =	6.33E+02	3.29E+00	1A	2.73E-16	1.79E-15	1A	4.21E-16	2.75E-15	1A	4.14E-24	2.71E-23	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00	1A	0.00E+00	0.00E+00
SHU Zone	2 to	12 =	4.71E+02	2.45E+00	2A	5.65E-07	2.75E-06	2A	2.54E-07	1.24E-06	2A	3.07E-13	1.49E-12	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00	2A	0.00E+00	0.00E+00
SHU Zone	3 to	12 =	1.49E+02	7.73E-01	3A	2.55E-02	3.92E-02	3A	6.98E-03	1.07E-02	3A	1.17E-08	1.80E-08	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00	3A	0.00E+00	0.00E+00
SHU Zone	4 to	12 =	1.27E+02	6.58E-01	4A	3.87E-01	5.06E-01	4A	7.35E-02	9.61E-02	4A	1.13E-07	1.48E-07	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00	4A	0.00E+00	0.00E+00
SHU Zone	5 to	12 =	1.38E+02	7.19E-01	5A	3.10E-01	4.44E-01	5A	5.68E-02	8.12E-02	5A	3.40E-08	4.87E-08	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00	5A	0.00E+00	0.00E+00
SHU Zone	6 to	12 =	1.45E+02	7.56E-01	6A	1.41E-02	2.12E-02	6A	1.75E-03	2.64E-03	6A	9.23E-11	1.39E-10	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00	6A	0.00E+00	0.00E+00
SHU Zone	7 to	12 =	1.02E+02	5.31E-01	7A	1.51E-05	1.59E-05	7A	5.80E-07	6.13E-07	7A	1.98E-15	2.09E-15	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00	7A	0.00E+00	0.00E+00
SHU Zone	8 to	12 =	1.05E+02	5.43E-01	8A	3.90E-10	4.21E-10	8A	7.80E-12	8.42E-12	8A	1.21E-21	1.31E-21	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00	8A	0.00E+00	0.00E+00
SHU Zone	9 to	12 =	1.46E+02	7.60E-01	9A	3.84E-17	5.80E-17	9A	1.03E-18	1.56E-18	9A	4.14E-30	6.26E-30	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00	9A	0.00E+00	0.00E+00
SHU Zone	10 to	12 =	1.76E+02	9.13E-01	10A	-1.31E-25	-2.37E-25	10A	-2.08E-27	-3.78E-27	10A	3.96E-40	7.19E-40	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00	10A	0.00E+00	0.00E+00
SHU Zone	11 to	12 =	2.60E+02	1.35E+00	11A	6.10E-35	1.64E-34	11A	-1.79E-36	-4.81E-36	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00	11A	0.00E+00	0.00E+00
MHU Zone	1 to	12 =	5.12E+04	2.66E+02	1B	2.76E-16	1.46E-13	1B	4.66E-16	2.47E-13	1B	1.94E-23	1.03E-20	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00	1B	0.00E+00	0.00E+00
MHU Zone	2 to	12 =	5.01E+04	2.60E+02	2B	1.54E-06	7.97E-04	2B	6.14E-07	3.18E-04	2B	1.15E-12	5.94E-10	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00	2B	0.00E+00	0.00E+00
MHU Zone	3 to	12 =	2.59E+04	1.35E+02	3B	9.52E-02	2.55E+01	3B	2.35E-02	6.30E+00	3B	5.91E-08	1.58E-05	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00	3B	0.00E+00	0.00E+00
MHU Zone	4 to	12 =	2.29E+04	1.19E+02	4B	1.50E+00	3.54E+02	4B	2.56E-01	6.06E+01	4B	5.93E-07	1.40E-04	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00	4B	0.00E+00	0.00E+00
MHU Zone	5 to	12 =	2.56E+04	1.33E+02	5B	1.32E+00	3.49E+02	5B	2.15E-01	5.68E+01	5B	2.00E-07	5.28E-05	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00	5B	0.00E+00	0.00E+00
MHU Zone	6 to	12 =	3.39E+04	1.76E+02	6B	5.30E-02	1.86E+01	6B	5.80E-03	2.03E+00	6B	4.66E-10	1.63E-07	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00	6B	0.00E+00	0.00E+00
MHU Zone	7 to	12 =	2.76E+04	1.43E+02	7B	5.78E-05	1.65E-02	7B	1.91E-06	5.44E-04	7B	1.03E-14	2.93E-12	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00	7B	0.00E+00	0.00E+00
MHU Zone	8 to	12 =	4.49E+04	2.33E+02	8B	3.34E-10	1.55E-07	8B	4.76E-12	2.21E-09	8B	3.95E-21	1.83E-18	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00	8B	0.00E+00	0.00E+00
MHU Zone	9 to	12 =	4.39E+04	2.28E+02	9B	-9.07E-17	-4.12E-14	9B	-3.20E-18	-1.45E-15	9B	1.29E-29	5.87E-27	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00	9B	0.00E+00	0.00E+00
MHU Zone	10 to	12 =	3.47E+04	1.80E+02	10B	9.16E-25	3.29E-22	10B	1.73E-26	6.21E-24	10B	1.98E-39	7.11E-37	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00	10B	0.00E+00	0.00E+00
MHU Zone	11 to	12 =	2.90E+04	1.51E+02	11B	-7.08E-34	-2.12E-31	11B	1.71E-35	5.12E-33	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00	11B	0.00E+00	0.00E+00
DHU Zone	1 to	12 =	4.23E+04	2.20E+02	1C	3.16E-16	1.38E-13	1C	2.34E-16	1.02E-13	1C	2.32E-23	1.01E-20	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00	1C	0.00E+00	0.00E+00
DHU Zone	2 to	12 =	3.91E+04	2.03E+02	2C	1.37E-06	5.53E-04	2C	7.32E-07	2.96E-04	2C	1.35E-12	5.44E-10	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00	2C	0.00E+00	0.00E+00
DHU Zone	3 to	12 =	1.90E+04	9.88E+01	3C	6.74E-02	1.32E+01	3C	2.50E-02	4.92E+00	3C	6.50E-08	1.28E-05	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00	3C	0.00E+00	0.00E+00
DHU Zone	4 to	12 =	1.65E+04	8.59E+01	4C	1.02E+00	1.74E+02	4C	2.69E-01	4.61E+01	4C	6.47E-07	1.11E-04	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00	4C	0.00E+00	0.00E+00
DHU Zone	5 to	12 =	1.71E+04	8.91E+01	5C	9.42E-01	1.67E+02	5C	2.23E-01	3.96E+01	5C	2.11E-07	3.75E-05	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00	5C	0.00E+00	0.00E+00
DHU Zone	6 to	12 =	2.21E+04	1.15E+02	6C	3.41E-02	7.79E+00	6C	6.10E-03	1.39E+00	6C	5.18E-10	1.18E-07	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00	6C	0.00E+00	0.00E+00
DHU Zone	7 to	12 =	1.78E+04	9.24E+01	7C	4.07E-05	7.49E-03	7C	2.07E-06	3.81E-04	7C	1.24E-14	2.27E-12	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00	7C	0.00E+00	0.00E+00
DHU Zone	8 to	12 =	3.14E+04	1.63E+02	8C	7.12E-10	2.31E-07	8C	1.88E-11	6.11E-09	8C	5.55E-21	1.80E-18	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00	8C	0.00E+00	0.00E+00
DHU Zone	9 to	12 =	3.10E+04	1.61E+02	9C	7.81E-17	2.50E-14	9C	3.51E-18	1.12E-15	9C	1.75E-29	5.62E-27	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00	9C	0.00E+00	0.00E+00
DHU Zone	10 to	12 =	2.52E+04	1.31E+02	10C	-4.70E-25	-1.22E-22	10C	-5.81E-27	-1.51E-24	10C	2.97E-39	7.74E-37	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00	10C	0.00E+00	0.00E+00
DHU Zone	11 to	12 =	2.25E+04	1.17E+02	11C	3.55E-34	8.24E-32	11C	-1.73E-36	-4.01E-34	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00	11C	0.00E+00	0.00E+00
						total mass going into the	kg/yr		1.11E+03	kg/yr		2.18E+02	kg/yr		3.70E-04	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/yr		0.00E+00	kg/y

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TABLE 1
GROUNDWATER PUMPING RATES USED IN CALIBRATED MODEL

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

		Pumping Rate (gpm)										
Start Date	End Date	River Ranney Well*	Plant Ranney Well**	Highway Dewatering: Missouri Street	Highway Dewatering: I-70	Highway Dewatering: I-64 (West)	Highway Dewatering: I-64 (East)	Highway Dewatering: 25th Street	Fairmont System	EW-1	EW-2	EW-3
6/1/1960	6/1/1961	0	4611	0	6667	0	0	0	2222	-	-	-
6/1/1961	6/1/1962	1583	2931	0	8194	0	0	0	3264	-	-	-
6/1/1962	6/1/1963	1778	3292	0	9028	0	0	0	3299	-	-	-
6/1/1963	6/1/1964	1347	3361	0	9028	0	0	0	2855	-	-	-
6/1/1964	6/1/1965	1056	3250	0	10417	0	0	0	2701	-	-	-
6/1/1965	6/1/1966	1194	2528	0	10301	0	0	0	2701	-	-	-
6/1/1966	6/1/1967	1292	2500	0	10208	0	0	0	2708	-	-	-
6/1/1967	6/1/1968	1528	1764	0	10417	0	0	0	1042	-	-	-
6/1/1968	6/1/1969	1264	1986	0	9722	0	0	0	1042	-	-	-
6/1/1969	6/1/1970	1389	1986	0	8565	0	0	0	1042	-	-	-
6/1/1970	6/1/1971	1125	1889	0	7431	0	0	0	1042	-	-	-
6/1/1971	6/1/1972	792	986	0	7153	0	0	0	1042	-	-	-
6/1/1972	6/1/1973	694	750	0	7292	0	0	0	208	-	-	-
6/1/1973	6/1/1974	694	819	0	6944	0	0	0	208	-	-	-
6/1/1974	6/1/1975	597	917	0	6462	0	0	0	208	-	-	-
6/1/1975	6/1/1976	625	1028	0	2058	1029	1029	2058	208	-	-	-
6/1/1976	6/1/1977	556	486	0	1968	984	984	1968	208	-	-	-
6/1/1977	6/1/1978	389	264	0	2292	1146	1146	2292	208	-	-	-
6/1/1978	6/1/1979	0	167	0	2048	1024	1024	2048	69	-	-	-
6/1/1979	6/1/1980	0	139	0	2315	1157	1157	2315	69	-	-	-
6/1/1980	6/1/1981	0	97	0	2176	1088	1088	2176	69	-	-	-
6/1/1981	6/1/1982	0	90	0	2420	1210	1210	2420	0	-	-	-
6/1/1982	6/1/1983	0	90	0	2578	1289	1289	2578	0	-	-	-
6/1/1983	6/1/1984	0	90	0	2709	1355	1355	2709	0	-	-	-
6/1/1984	6/1/1985	0	90	0	3104	1552	1552	3104	0	-	-	-
6/1/1985	6/1/1990	0	83	0	3125	1563	1563	3125	0	-	-	-
6/1/1990	6/1/1994	0	0	0	2199	2615	2615	2199	0	-	-	-
6/1/1994	6/1/2000	0	0	6301	4962	3308	3308	3308	0	-	-	-
6/1/2000	6/1/2003	0	0	0	4199	1015	1015	599	0	-	-	-
6/1/2003	12/1/2004	0	0	0	4199	1015	1015	599	0	-	-	-
12/1/2004	1/1/2005	0	0	0	4199	1015	1015	599	0	403	434	403
1/1/2005	1/1/2006	0	0	0	4199	1015	1015	599	0	265	271	265
1/1/2006	6/1/2006	0	0	0	4199	1015	1015	599	0	233	10	233
6/1/2006	6/1/2010	0	0	0	4199	1015	1015	599	0	225	0	225
6/1/2010	6/1/2038	0	0	0	0	0	0	0	0	225	0	225

Notes:
* Pumping rate for each of the five model cells used to represent the River Ranney well (see Figure 2).
** Pumping rate for each of the three model cells used to represent the Plant Ranney well (see Figure 2).

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TABLE 2
CHLOROBENZENE SITE R CALIBRATION RESULTS

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	Chlorobenzene Observed Concentration (mg/L)	Chlorobenzene Simulated Concentration (mg/L)
1980s				
SHU (LAYER 1 IN MODEL)				
B-101	2291144	703204.6	1.44E+00	Dry
B-24A	2290763	703551.4	6.18E+00	3.03E+00
B-25A	2291275	703337.7	1.89E+01	2.69E+01
B-28A	2290369	702642.9	1.51E+00	9.64E-01
B-29A	2290783	702410.1	1.97E+00	Dry
GM-25A	2291284	703356.6	1.40E-02	2.25E+01
P-1	2290176	702580.8	1.11E+00	7.05E-01
P-10	2290644	703588.9	5.21E+00	2.84E+00
P-11	2290698	703722.9	1.66E+00	2.86E+00
P-12	2290790	703957.7	3.74E+01	1.07E+01
P-13	2290896	704250.6	5.53E+00	1.12E+01
P-14	2290887	704223.3	1.58E+02	1.44E+01
P-2	2290261	702742.1	1.81E+00	9.00E-01
P-3	2290390	702908.1	3.46E-01	1.03E+00
P-6	2290486	703125.2	1.00E+01	1.54E+00
P-7	2290568	703446.5	9.00E+00	2.67E+00
P-8	2290552	703435.9	4.91E+00	2.67E+00
			SHU (Layer 1 in Model) RMS Error (mg/L)	**38.35**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**-10.45**
MHU (LAYER 2 IN MODEL)				
B-25B	2291275	703338	1.31E+01	2.69E+01
B-27B	2290436	702325	4.74E+00	3.01E+00
B-29B	2290793	702429	1.71E+00	2.03E+00
B-30B	2291085	702865	2.35E+00	3.71E+00
GM-27B	2290909	704333	6.02E+01	5.50E+01
GM-28B	2290376	702660	6.13E+00	5.94E+00
			SHU (Layer 1 in Model) RMS Error (mg/L)	**6.10**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**1.39**
DHU (LAYER 3 IN MODEL)				
GM-27C	2290906	704326	2.03E+00	6.73E+00
GM-28C	2290373	702654	5.13E+00	4.87E+00
GM-55C	2290166	702602	4.03E+00	3.64E+00
GM-56C	2290549	703412	3.98E+00	6.50E+00
GM-57C	2290739	703820	7.38E+00	6.60E+00
			SHU (Layer 1 in Model) RMS Error (mg/L)	**2.42**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**1.16**

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TABLE 2 CONT'D
CHLOROBENZENE SITE R CALIBRATION RESULTS

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	Chlorobenzene Observed Concentration (mg/L)	Chlorobenzene Simulated Concentration (mg/L)
1990s				
SHU (LAYER 1 IN MODEL)				
P-13	2290896	704250.6	6.40E+00	9.64E+00
P-14	2290887	704223.3	6.47E+01	1.22E+01
P-2	2290261	702742.1	3.67E+00	7.34E-01
P-6	2290486	703125.2	9.98E-01	1.28E+00
P-7	2290568	703446.5	4.86E+00	2.26E+00
P-8	2290552	703435.9	5.28E+00	2.26E+00
			SHU (Layer 1 in Model) RMS Error (mg/L)	**21.58**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**-9.59**
MHU (LAYER 2 IN MODEL)				
GM-27B	2290909	704333	1.08E+01	4.65E+01
GM-28B	2290376	702660	3.56E+00	4.94E+00
			SHU (Layer 1 in Model) RMS Error (mg/L)	**25.25**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**18.53**
DHU (LAYER 3 IN MODEL)				
GM-27C	2290906	704326	2.44E+00	5.65E+00
GM-28C	2290373	702654	3.58E+00	4.03E+00
GM-55C	2290166	702602	2.99E+00	2.98E+00
GM-56C	2290549	703412	4.62E+00	5.29E+00
GM-57C	2290739	703820	5.85E+00	5.36E+00
			SHU (Layer 1 in Model) RMS Error (mg/L)	**1.50**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**0.77**

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TABLE 2 CONT'D
CHLOROBENZENE SITE R CALIBRATION RESULTS

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	Chlorobenzene Observed Concentration (mg/L)	Chlorobenzene Simulated Concentration (mg/L)
2000s				
SHU (LAYER 1 IN MODEL)				
AA-R-1	2290570	703254.9	2.00E+00	6.38E-01
B-22A	2291090	704158.4	6.10E+00	5.74E+00
B-24A	2290763	703551.4	4.00E+00	1.00E+00
B-25A	2291275	703337.7	1.40E+01	1.90E+01
B-25B	2291275	703337.7	1.20E+01	1.90E+01
B-26A	2290555	703088	2.80E+00	4.73E-01
B-28A	2290369	702642.9	3.40E-01	4.29E-01
B-29A	2290783	702410.1	2.40E+00	Dry
B-29B	2290793	702429	1.20E+00	1.44E+00
SA-Q-1	2290516	702120.7	1.20E+00	Dry
			SHU (Layer 1 in Model) RMS Error (mg/L)	**3.37**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**0.67**
MHU (LAYER 2 IN MODEL)				
AA-Q-1	2290064	702409	2.40E-01	3.99E-01
AA-R-1	2290570	703255	1.30E+01	7.23E+00
B-21B	2291508	703947	1.60E+01	1.90E+01
B-24C	2290774	703571	8.80E+00	1.12E+01
B-25B	2291275	703338	1.60E+01	1.90E+01
B-26B	2290583	703032	5.90E+00	4.03E+00
B-28B	2290377	702660	2.80E+00	3.53E+00
B-29B	2290793	702429	1.60E+00	1.44E+00
GM-27B	2290909	704333	1.10E+01	3.44E+01
PSMW-16M	2291110	704392	2.10E-02	2.31E+01
			SHU (Layer 1 in Model) RMS Error (mg/L)	**10.68**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**4.80**
DHU (LAYER 3 IN MODEL)				
AA-Q-1	2290064	702409	1.10E+00	3.81E-01
AA-R-1	2290570	703255	4.30E+00	3.04E+00
GM-27C	2290906	704326	1.70E+00	3.32E+00
GM-56C	2290549	703412	1.40E-01	2.66E+00
PSMW-16D	2291107	704396	2.30E+00	2.13E+00
PSMW-17	2290245	702674	9.20E-01	2.18E+00
			SHU (Layer 1 in Model) RMS Error (mg/L)	**1.45**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**0.54**

Notes:
1. All coordinates in State Plane feet, Illinois West, NAD 1983.
   Dry = well lies in model dry cell
   mg/L = milligram per liter
   RMS = Root mean square error

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TABLE 3A
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Chlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	Chlorobenzene Observed Concentration (mg/L)	Lab Qualifier	Chlorobenzene Simulated Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
AA-CLAY-1-S	2292216	703094	5.00E-04	U	Dry
AA-CLAY-2-S	2292029	702612	4.80E+00		Dry
AA-O-5-S	2291988	701441	2.50E-04	U	5.29E-03
AA-P-10-S	2292965	707034	2.50E-04	U	4.60E-03
AA-P-4-S	2293667	705938	1.40E-03		8.34E-02
AA-P-6-S	2291978	706643	2.50E-04	U	4.89E-03
AA-P-7-S	2293537	708624	2.50E-04	U	2.45E-04
AA-P-9-S	2293245	704449	2.50E-04	U	Dry
AA-Q-10-S	2288018	697146	8.10E-04	J	Dry
AA-Q-9-S	2289912	701235	9.00E-03		Dry
AA-SLAY-1-S	2292817	704829	2.50E-04	U	Dry
AA-SLAY-2-S	2292056	705202	6.20E-04	J	7.01E-02
B-22A	2291090	704158	1.70E+00		1.40E+01
B-24A	2290763	703551	1.00E+00		1.93E+00
B-25A	2291275	703338	3.50E+00		Dry
B-25B	2291275	703338	1.20E+01		1.52E+01
B-28A	2290369	702643	3.40E-01		1.06E+00
B-29B	2290793	702429	1.20E+00		1.15E+00
CA-3	2297021	702413	1.90E-01		3.94E-01
CP-MW-10-S	2290148	698021	2.50E-04	U	9.06E-25
CP-MW-12-S	2289192	697495	2.50E-04	U	8.91E-30
CP-MW-13-S	2291059	697087	1.25E-02	U	6.02E-28
CP-MW-14-S	2289978	696840	1.25E-02	U	4.09E-32
CP-MW-15-S	2290628	696655	5.00E-03	U	1.95E-31
CP-MW-16-S	2289579	696182	6.50E-04	J	6.10E-37
CP-MW-6-S	2292546	698639	2.50E-04	U	2.58E-14
CP-MW-7-S	2291605	698213	2.50E-04	U	1.22E-18
CP-MW-8-S	2290855	698392	1.25E-02	U	3.54E-20
EE-03	2295550	699820	1.60E-02		2.72E-02
EEG-107	2294746	699964	2.60E+00		1.44E+00
GM-1	2298057	703323	2.50E-04	U	1.21E-10
GM-11	2297207	704134	2.50E-04	U	2.52E-06
GM-15	2296750	703149	1.60E-01		6.77E-03
GM-18A	2293001	701458	4.45E-04	J	8.08E-01
GM-19A	2292087	702314	1.60E-02		9.73E-01
GM-2	2294146	701475	5.10E+00		2.46E+00
GM-31A	2292910	701062	2.70E-03		2.27E-02
GM-46	2296000	702927	7.90E+00	D	6.64E+00
GM-4A	2294467	703403	2.50E-04	U	3.65E+01
GM-59A	2292805	701056	2.50E-04	U	1.22E-01
GM-5A	2293555	702897	2.50E-04	U	4.86E+00
GM-60A	2292356	703578	1.00E-03		1.93E+00
GM-6A	2294131	702060	7.90E+00	D	4.86E+00
GM-7A	2293241	701902	2.50E-04	U	5.31E+00

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TABLE 3A CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Chlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	Chlorobenzene Observed Concentration (mg/L)	Lab Qualifier	Chlorobenzene Simulated Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
GM-8	2293110	701047	9.50E-04	J	3.63E-02
GM-9A	2295539	702112	2.50E-04	U	4.91E-01
OSAA-1-S	2294330	708622	2.50E-04	U	8.42E-04
PIEZ-7S	2286292	698362	2.50E-04	U	5.21E-33
SA2-MW-10-S	2288446	698693	4.30E-04	J	7.43E-25
SA2-MW-1-S	2293339	705296	2.50E-04	U	1.48E+00
SA2-MW-2-S	2292977	704530	2.50E-04	U	5.00E+00
SA2-MW-3-S	2292107	705001	2.50E-04	U	1.06E+00
SA2-MW-4-S	2291891	702685	1.10E+01	D	4.35E+00
SA2-MW-5-S	2291017	700273	2.50E-04	U	4.60E-08
SA2-MW-9-S	2289080	699061	2.50E-04	U	1.12E-21
SA-O-2-S	2292314	702283	4.40E-03		1.37E+00
SA-O-3-S	2292127	702338	2.20E-02		1.27E+00
SA-O-4-S	2292007	701964	4.30E-03		2.38E-01
SA-P-1-S	2293873	705618	2.50E-04	U	8.36E-01
SA-P-2-S	2293446	705140	8.70E-03		1.88E+00
SA-P-3-S	2293614	704569	2.50E-04	U	5.97E+00
SA-Q-10-S	2288657	698220	2.50E-04	U	4.36E-27
SA-Q-11-S	2288151	698311	2.50E-04	U	9.07E-28
SA-Q-12-S	2288086	697995	7.40E-03		9.75E-30
SA-Q-13-S	2288093	697234	2.50E-04	U	2.51E-34
SA-Q-14-S	2287593	697661	6.50E-02		1.11E-32
SA-Q-15-S	2287393	697315	2.50E-04	U	5.22E-36
SA-Q-16-S	2287118	697613	2.50E-04	U	8.67E-35
SA-Q-1-S	2290516	702121	1.20E+00		2.77E-02
SA-Q-5-S	2289554	700011	1.80E-03		3.87E-14
SA-Q-6-S	2289033	700433	2.80E-01	D	4.89E-14
SA-Q-7-S	2289470	699639	2.20E-03		3.55E-17
SA-Q-9-S	2288920	698693	2.50E-04	U	9.41E-24
SA-S-1-S	2291471	701874	1.60E-03	J	2.72E-02
SA-S-2-S	2291379	701731	2.50E-04	U	Dry
TCMW-2	2294810	699336	1.25E-03	U	2.00E-05
TCMW-3S	2294848	699582	1.25E-03	U	7.35E-03
TCMW-4	2294317	699507	1.25E-03	U	4.54E-05
TCMW-5S	2294327	699614	1.25E-03	U	1.24E-03
TCMW-6S	2293917	699642	1.25E-03	U	1.31E-04
UAA-10-S	2288938	698551	2.50E-04	U	Dry
UAA-11-S	2294603	705910	2.50E-04	U	9.63E-02
UAA-5-S	2294645	707932	2.50E-04	U	6.35E-03
UAA-6-S	2294980	705212	2.50E-04	U	1.02E-01
UAA-7-S	2291605	700343	2.50E-04	U	9.76E-07
UAA-8-S	2290412	700693	2.50E-04	U	Dry
UAA-9-S	2289920	699830	2.50E-04	U	Dry
				SHU (Layer 1 in Model) RMS Error (mg/L)	**4.71**
				SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**0.88**

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TABLE 3A CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Chlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	Chlorobenzene Observed Concentration (mg/L)	Lab Qualifier	Chlorobenzene Simulated Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
AA-CLAY-1-M	2292216	703094	3.80E-02		2.81E+00
AA-CLAY-2-M	2292029	702612	5.20E+00		4.94E+00
AA-O-4-M	2292838	702980	8.60E+00		3.96E+00
AA-O-5-M	2291988	701441	8.90E-03		3.07E-02
AA-P-10-M	2292965	707034	3.00E-03		5.60E-02
AA-P-4-M	2293667	705938	6.70E-04	J	6.19E-01
AA-P-5-M	2292965	706178	6.80E-03		3.14E-01
AA-P-6-M	2291978	706643	2.50E-04	U	3.56E-02
AA-P-7-M	2293537	708624	2.50E-04	U	3.75E-03
AA-P-8-M	2292516	708964	2.50E-04	U	3.36E-04
AA-P-9-M	2293245	704449	9.00E-02		6.52E+00
AA-Q-10-M	2288018	697146	1.50E-03		5.46E-35
AA-Q-9-M	2289912	701235	2.50E-04	U	7.07E-07
AA-SLAY-1-M	2292817	704829	1.10E-02		2.86E+00
AA-SLAY-2-M	2292056	705202	1.80E-01		7.01E-01
AA-SLAY-3-M	2291368	705455	2.50E-04	U	1.88E-01
AA-SLAY-4-M	2291741	704624	1.60E-03		7.87E-01
B-24C	2290774	703571	3.00E+00		1.16E+01
B-28B	2290377	702660	1.20E+00		3.43E+00
CP-MW-18	2287909	696142	2.50E-04	U	0.00E+00
CP-MW-20	2288265	696769	2.50E-04	U	1.33E-36
CP-MW-22	2288923	697923	2.50E-04	U	4.19E-28
CP-MW-24	2289419	698714	2.50E-04	U	1.27E-22
EE-01	2295289	700157	2.40E+00		2.28E+00
GM-10B	2296074	703673	5.40E+00		2.03E+00
GM-27B	2290909	704333	1.60E+00		8.09E+00
GM-3	2293971	704005	6.40E-04	J	1.82E+01
GM-31B	2292928	701064	1.60E-01		1.56E-01
GM-60B	2292362	703589	5.80E-01	D	1.93E+00
GM-9B	2295523	702120	2.20E-01		3.46E+00
IMW-1S	2296767	700427	1.25E-03	U	1.09E-06
MW-3B	2293764	703626	3.90E+01	D	1.39E+01
MW-5B	2293551	702877	1.50E+01		4.86E+00
OSAA-1-M	2294330	708622	2.50E-04	U	1.38E-02
PIEZ-7M	2286292	698362	2.50E-04	U	2.11E-32
PSMW-14M	2291997	706548	2.50E-04	U	5.48E-02
PSMW-15M	2291438	705483	2.50E-04	U	2.15E-01
PSMW-16M	2291113	704394	2.10E-02		3.65E+00
SA2-MW-10-M	2288442	698696	6.80E-03		7.43E-25
SA2-MW-1-M	2293340	705302	2.50E-04	U	1.48E+00
SA2-MW-2-M	2292979	704535	2.30E-02		5.00E+00
SA2-MW-3-M	2292109	704996	2.50E-04	U	1.06E+00
SA2-MW-4-M	2291893	702689	2.90E-01	D	4.35E+00
SA2-MW-5-M	2291015	700277	2.50E-04	U	4.60E-08
SA2-MW-6-M	2289601	700763	1.90E-03		9.76E-10
SA2-MW-7-M	2289033	700426	6.60E-04	J	3.53E-13
SA2-MW-9-M	2289080	699057	2.50E-04	U	1.12E-21

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TABLE 3A CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Chlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	Chlorobenzene Observed Concentration (mg/L)	Lab Qualifier	Chlorobenzene Simulated Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
SA-Q-2	2289951	702294	7.00E-03		3.09E-02
SA-Q-3	2290079	701615	1.50E-01		4.96E-05
SA-Q-4	2289686	700977	3.60E-02		2.18E-08
SA-Q-8	2288111	699785	5.80E-01	D	2.51E-20
TCMW-1M	2295680	699277	1.25E-03	U	2.39E-06
TCMW-3M	2294848	699588	1.10E-03	J	7.35E-03
TCMW-5M	2294328	699620	4.70E-03	J	1.24E-03
TCMW-6M	2293920	699648	1.25E-03	U	1.94E-04
UAA-10-M	2288938	698551	2.50E-04	U	1.31E-24
UAA-11-M	2294603	705910	4.90E-03		4.08E-01
UAA-5-M	2294645	707932	2.50E-04	U	7.80E-02
UAA-6-M	2294980	705212	4.80E-03		1.91E-01
UAA-7-M	2291605	700343	2.50E-04	U	4.34E-06
UAA-8-M	2290412	700693	2.50E-04	U	1.86E-07
UAA-9-M	2289920	699830	2.50E-04	U	6.10E-14
			MHU (Layer 2 in Model) RMS Error (mg/L)		**4.66**
			MHU (Layer 2 in Model) Mean Residual Error (mg/L)		**0.43**

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TABLE 3A CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Chlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	Chlorobenzene Observed Concentration (mg/L)	Lab Qualifier	Chlorobenzene Simulated Concentration (mg/L)
DHU (LAYER 3 IN MODEL)					
AA-CLAY-1-D	2292215	703094	1.10E+01		1.04E+01
AA-CLAY-2-D	2292026	702612	4.80E+00		3.48E+00
AA-O-4-D	2292838	702980	2.20E+01		1.68E+01
AA-O-5-D	2291980	701438	2.70E-01		2.09E-02
AA-P-10-D	2292965	707034	2.80E-01	D	3.10E-02
AA-P-4-D	2293668	705937	6.30E-01		3.22E-01
AA-P-5-D	2292966	706179	5.60E-01		1.71E-01
AA-P-6-D	2291980	706642	2.90E-01		2.61E-02
AA-P-7-D	2293538	708624	2.50E-04	U	1.76E-03
AA-P-8-D	2292518	708965	2.50E-04	U	2.27E-04
AA-P-9-D	2293249	704450	7.00E-01		3.24E+00
AA-Q-10-D	2288018	697143	2.50E-04	U	2.49E-35
AA-Q-9-D	2289912	701236	2.50E-04	U	4.29E-07
AA-SLAY-1-D	2292819	704829	4.10E+00	D	1.38E+00
AA-SLAY-2-D	2292057	705200	1.10E+00		3.46E-01
AA-SLAY-3-D	2291367	705455	2.30E-01	D	1.11E-01
AA-SLAY-4-D	2291741	704625	1.90E+00	D	4.09E-01
GM-12B	2297294	702590	2.50E-02	U	2.22E-03
GM-17B	2294310	702673	4.40E+00	D	3.07E+00
GM-18B	2292996	701435	7.10E-01	D	6.08E-01
GM-19C	2292105	702309	1.80E+00	D	6.53E-01
GM-20B	2292713	702844	5.50E+00		7.11E+00
GM-27C	2290906	704326	1.30E+00		1.36E+00
GM-31C	2292918	701061	9.70E-01		1.14E-01
GM-4B	2294470	703411	2.20E+01		1.65E+01
GM-6B	2294135	702076	2.20E+01		1.54E+01
GM-9C	2295527	702123	4.30E-02		1.05E+00
MW-3C	2293771	703625	4.80E-01		6.85E+00
MW-5C	2293553	702888	1.20E+00	D	3.10E+00
MW-7C	2293370	702337	7.90E+00		6.99E+00
OSAA-1	2294330	708622	1.70E-01		6.58E-03
PSMW-11	2292701	704884	1.40E+00		1.07E+00
PSMW-12	2292347	703599	1.40E+00		2.29E+00
PSMW-13	2291281	701517	1.10E-02		2.18E-03
PSMW-16D	2291113	704394	2.30E+00	D	7.52E-01
PSMW-17	2290245	702674	9.20E-01		1.20E+00
PSMW-2	2296639	703249	5.20E-01		5.85E-02
PSMW-4	2295098	703141	3.20E+01		3.42E+01
PSMW-6	2294214	705885	3.10E-01	D	3.00E-01
PSMW-7	2293955	704010	3.20E-01		8.93E+00
PSMW-9	2292455	700774	2.40E-03		6.91E-03
SA2-MW-2-D	2292981	704538	5.70E-01	D	2.47E+00
SA2-MW-4-D	2291896	702693	3.10E+00		3.48E+00
UAA-10-D	2288936	698551	2.50E-04	U	6.46E-25
UAA-11-D	2294602	705909	1.70E-01	D	2.09E-01
UAA-5-D	2294645	707931	9.00E-01		3.73E-02
UAA-6-D	2294979	705212	5.20E-02		1.01E-01

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TABLE 3A CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Chlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	Chlorobenzene Observed Concentration (mg/L)	Lab Qualifier	Chlorobenzene Simulated Concentration (mg/L)
DHU (LAYER 3 IN MODEL)					
UAA-7-D	2291605	700341	2.50E-04	U	2.64E-06
UAA-8-D	2290410	700690	2.50E-04	U	1.10E-07
UAA-9-D	2289916	699830	2.50E-04	U	1.96E-14
				DHU (Layer 3 in Model) RMS Error (mg/L)	**2.28**
				DHU (Layer 3 in Model) Mean Residual Error (mg/L)	**-0.11**
				Overall RMS error (mg/L)	**4.19**
				Overall Mean Residual error (mg/L)	**0.49**

Notes:
1. All coordinates in State Plane feet, Illinois West, NAD 1983.
2. For non-detects, values equal to half the detection limit were used for the calculation of Mean Residual and RMS errors.

Dry = Well lies in model dry cell
Mg/L = Milligram per liter
RMS = Root mean square error

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TABLE 3B
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
1,4-Dichlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	1,4-Dichlorobenzene Observed Concentration (mg/L)	Lab Qualifier	1,4-Dichlorobenzene Simulated Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
AA-CLAY-1-S	2292216	703094	4.65E-03	U	Dry
AA-CLAY-2-S	2292029	702612	1.60E+00		Dry
AA-O-5-S	2291988	701441	2.38E-03	U	9.81E-04
AA-P-10-S	2292965	707034	2.35E-03	U	3.87E-04
AA-P-4-S	2293667	705938	2.33E-03	U	8.56E-03
AA-P-6-S	2291978	706643	2.50E-03	U	4.56E-04
AA-P-7-S	2293537	708624	2.48E-03	U	1.59E-05
AA-P-9-S	2293245	704449	2.33E-03	U	Dry
AA-Q-10-S	2288018	697146	2.45E-03	U	Dry
AA-Q-9-S	2289912	701235	2.40E-03	U	Dry
AA-SLAY-1-S	2292817	704829	2.33E-03	U	Dry
AA-SLAY-2-S	2292056	705202	2.33E-03	U	6.90E-03
B-22A	2291090	704158	3.00E-01	D	5.86E-02
B-24A	2290763	703551	6.00E-01	U	-
B-25A	2291275	703338	1.20E+00	U	-
B-25B	2291275	703338	1.20E+00	U	Dry
B-28A	2290369	702643	2.35E-03	U	1.21E-01
B-29B	2290793	702429	1.18E-02	U	1.85E-01
CA-3	2297021	702413	2.35E-03	U	1.63E-04
CP-MW-10-S	2290148	698021	2.45E-03	U	1.06E-26
CP-MW-12-S	2289192	697495	2.38E-03	U	9.58E-32
CP-MW-13-S	2291059	697087	2.35E-03	U	6.31E-30
CP-MW-14-S	2289978	696840	2.35E-03	U	4.10E-34
CP-MW-15-S	2290628	696655	2.35E-03	U	1.98E-33
CP-MW-16-S	2289579	696182	2.48E-03	U	5.30E-39
CP-MW-6-S	2292546	698639	2.35E-03	U	4.98E-16
CP-MW-7-S	2291605	698213	2.35E-03	U	1.15E-20
CP-MW-8-S	2290855	698392	2.38E-03	U	2.52E-22
EE-03	2295550	699820	2.10E-02		7.68E-02
EEG-107	2294746	699964	1.10E+00		5.12E-02
GM-1	2298057	703323	2.35E-03	U	7.80E-12
GM-11	2297207	704134	2.35E-03	U	3.56E-07
GM-15	2296750	703149	1.40E-02		5.57E-04
GM-18A	2293001	701458	2.45E-03	U	1.83E-01
GM-19A	2292087	702314	1.40E-03	J	1.18E-01
GM-2	2294146	701475	1.10E+00	D	3.12E-01
GM-31A	2292910	701062	2.45E-03	U	5.45E-03
GM-33	2294376	702197	2.38E-03	U	2.94E+00
GM-46	2296000	702927	1.70E+00		1.38E+00
GM-4A	2294467	703403	2.35E-03	U	5.62E+00
GM-59A	2292805	701056	2.35E-03	U	2.60E-02
GM-5A	2293555	702897	2.35E-03	U	4.03E-01
GM-60A	2292356	703578	1.40E-03	J	1.44E-01
GM-6A	2294131	702060	8.40E-03	J	2.63E-01

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TABLE 3B CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
1,4-Dichlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	1,4-Dichlorobenzene Observed Concentration (mg/L)	Lab Qualifier	1,4-Dichlorobenzene Simulated Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
GM-7A	2293241	701902	2.38E-03	U	6.39E-01
GM-8	2293110	701047	2.48E-03	U	9.67E-03
GM-9A	2295539	702112	1.40E-03	J	-
OSAA-1-S	2294330	708622	2.38E-03	U	6.23E-05
PIEZ-7S	2286292	698362	2.40E-03	U	9.33E-35
PSMW-5	2294393	702077	1.25E+00	U	-
SA2-MW-10-S	2288446	698693	2.35E-03	U	1.05E-26
SA2-MW-1-S	2293339	705296	2.35E-03	U	1.56E-01
SA2-MW-2-S	2292977	704530	2.40E-03	U	6.05E-01
SA2-MW-3-S	2292107	705001	2.50E-03	U	1.07E-01
SA2-MW-4-S	2291891	702685	5.30E-02		2.85E-01
SA2-MW-5-S	2291017	700273	4.70E-03	U *	6.17E-10
SA2-MW-9-S	2289080	699061	2.45E-03	U	1.57E-23
SA-O-2-S	2292314	702283	1.20E-03	J	1.62E-01
SA-O-3-S	2292127	702338	1.80E-03	J	1.36E-01
SA-O-4-S	2292007	701964	2.60E-03	J	4.34E-02
SA-P-1-S	2293873	705618	2.35E-03	U	8.01E-02
SA-P-2-S	2293446	705140	1.78E-01	U	-
SA-P-3-S	2293614	704569	2.35E-03	U	8.41E-01
SA-Q-10-S	2288657	698220	2.35E-03	U	5.39E-29
SA-Q-11-S	2288151	698311	2.40E-03	U	1.11E-29
SA-Q-12-S	2288086	697995	2.43E-03	U	1.06E-31
SA-Q-13-S	2288093	697234	2.38E-03	U	2.18E-36
SA-Q-14-S	2287593	697661	1.20E-03	J	1.08E-34
SA-Q-15-S	2287393	697315	2.35E-03	U	5.65E-38
SA-Q-16-S	2287118	697613	2.50E-03	U	1.01E-36
SA-Q-1-S	2290516	702121	3.60E-02		3.77E-03
SA-Q-5-S	2289554	700011	2.35E-03	U	1.16E-16
SA-Q-6-S	2289033	700433	6.30E-03	J	1.67E-16
SA-Q-7-S	2289470	699639	2.48E-03	U	1.77E-19
SA-Q-9-S	2288920	698693	2.35E-03	U	1.33E-25
SA-S-1-S	2291471	701874	2.38E-03	U	4.76E-03
SA-S-2-S	2291379	701731	2.38E-03	U	Dry
TCMW-2	2294810	699336	2.48E-03	U	1.32E-06
TCMW-3S	2294848	699582	2.35E-03	U	4.55E-04
TCMW-4	2294317	699507	2.35E-03	U	5.50E-06
TCMW-5S	2294327	699614	2.35E-03	U	1.39E-04
TCMW-6S	2293917	699642	2.48E-03	U	1.49E-05
UAA-10-S	2288938	698551	2.38E-03	U	Dry
UAA-11-S	2294603	705910	2.38E-03	U	1.04E-02
UAA-5-S	2294645	707932	2.38E-03	U	5.39E-04
UAA-6-S	2294980	705212	2.38E-03	U	1.31E-02
UAA-7-S	2291605	700343	2.38E-03	U	2.85E-08
UAA-8-S	2290412	700693	2.43E-03	U	Dry
UAA-9-S	2289920	699830	2.33E-03	U	Dry
				SHU (Layer 1 in Model) RMS Error (mg/L)	**0.78**
				SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**0.14**

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TABLE 3B CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
1,4-Dichlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	1,4-Dichlorobenzene Observed Concentration (mg/L)	Lab Qualifier	1,4-Dichlorobenzene Simulated Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
AA-CLAY-1-M	2292216	703094	4.95E-03	U	1.80E-01
AA-CLAY-2-M	2292029	702612	3.40E-01	D	3.20E-01
AA-O-4-M	2292838	702980	1.40E-02		2.73E-01
AA-O-5-M	2291988	701441	2.40E-03	U	5.73E-03
AA-P-10-M	2292965	707034	2.38E-03	U	4.59E-03
AA-P-4-M	2293667	705938	2.40E-03	U	5.71E-02
AA-P-5-M	2292965	706178	2.43E-03	U	2.85E-02
AA-P-6-M	2291978	706643	3.00E-03	U	3.32E-03
AA-P-7-M	2293537	708624	2.75E-03	U	2.33E-04
AA-P-8-M	2292516	708964	2.40E-03	U	3.19E-05
AA-P-9-M	2293245	704449	2.40E-03	U	8.25E-01
AA-Q-10-M	2288018	697146	2.50E-03	U	4.68E-37
AA-Q-9-M	2289912	701235	2.48E-03	U	2.36E-08
AA-SLAY-1-M	2292817	704829	2.50E-03	U	3.29E-01
AA-SLAY-2-M	2292056	705202	2.43E-03	U	6.80E-02
AA-SLAY-3-M	2291368	705455	2.40E-03	U	1.77E-02
AA-SLAY-4-M	2291741	704624	2.48E-03	U	7.49E-02
B-24C	2290774	703571	1.00E-01	J	3.07E-01
B-28B	2290377	702660	3.80E-02		3.62E-01
CP-MW-18	2287909	696142	2.35E-03	U	0.00E+00
CP-MW-20	2288265	696769	2.40E-03	U	1.13E-38
CP-MW-22	2288923	697923	2.35E-03	U	4.87E-30
CP-MW-24	2289419	698714	2.35E-03	U	1.67E-24
EE-01	2295289	700157	6.00E+00	D	5.70E+00
GM-10B	2296074	703673	6.10E-01	D	6.45E-01
GM-27B	2290909	704333	2.70E-02		5.61E-02
GM-31B	2292928	701064	2.40E-03	U	3.50E-02
GM-3	2293971	704005	2.45E-03	U	2.55E+00
GM-60B	2292362	703589	3.30E-02		1.44E-01
GM-9B	2295523	702120	2.38E-03	U	-
IMW-1S	2296767	700427	2.45E-03	U	1.04E-07
MW-3B	2293764	703626	5.50E-03	J	2.11E+00
MW-5B	2293551	702877	3.50E-02		4.03E-01
OSAA-1-M	2294330	708622	2.40E-03	U	9.58E-04
PIEZ-7M	2286292	698362	2.35E-03	U	3.02E-34
PSMW-1	2297398	702746	1.00E-02	U	1.06E-07
PSMW-14M	2291997	706548	2.50E-04	U	5.19E-03
PSMW-15M	2291438	705483	2.50E-04	U	1.95E-02
PSMW-16M	2291113	704394	2.50E-04	U	3.88E-02
PSMW-8	2293543	702857	6.70E-03		4.08E-01
SA2-MW-10-M	2288442	698696	2.35E-03	U	1.05E-26
SA2-MW-1-M	2293340	705302	2.40E-03	U	1.56E-01
SA2-MW-2-M	2292979	704535	2.35E-03	U	6.05E-01
SA2-MW-3-M	2292109	704996	2.50E-03	U	1.07E-01
SA2-MW-4-M	2291893	702689	3.20E-02		2.85E-01
SA2-MW-5-M	2291015	700277	2.35E-03	U *	6.17E-10
SA2-MW-6-M	2289601	700763	2.35E-03	U	9.27E-12
SA2-MW-7-M	2289033	700426	2.35E-03	U *	1.20E-15

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TABLE 3B CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
1,4-Dichlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	1,4-Dichlorobenzene Observed Concentration (mg/L)	Lab Qualifier	1,4-Dichlorobenzene Simulated Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
SA2-MW-9-M	2289080	699057	2.40E-03	U	1.57E-23
SA-O-1	2292907	702783	2.35E-03	U	3.58E-01
SA-Q-2	2289951	702294	3.30E-03	J	4.03E-03
SA-Q-3	2290079	701615	2.38E-03	U	4.49E-06
SA-Q-4	2289686	700977	3.60E-03	J	3.71E-10
SA-Q-8	2288111	699785	1.90E-03	J	5.01E-22
TCMW-1M	2295680	699277	2.35E-03	U	4.26E-06
TCMW-3M	2294848	699588	1.40E-03	J	4.55E-04
TCMW-5M	2294328	699620	2.43E-03	U	1.39E-04
TCMW-6M	2293920	699648	2.48E-03	U	2.23E-05
UAA-10-M	2288938	698551	2.43E-03	U	1.79E-26
UAA-11-M	2294603	705910	2.35E-03	U	3.72E-02
UAA-5-M	2294645	707932	2.40E-03	U	5.94E-03
UAA-6-M	2294980	705212	2.35E-03	U	2.05E-02
UAA-7-M	2291605	700343	2.33E-03	U	1.42E-07
UAA-8-M	2290412	700693	2.40E-03	U	3.29E-09
UAA-9-M	2289920	699830	2.40E-03	U	2.10E-16
			MHU (Layer 2 in Model) RMS Error (mg/L)		**0.45**
			MHU (Layer 2 in Model) Mean Residual Error (mg/L)		**0.14**

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TABLE 3B CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
1,4-Dichlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	1,4-Dichlorobenzene Observed Concentration (mg/L)	Lab Qualifier	1,4-Dichlorobenzene Simulated Concentration (mg/L)
DHU (LAYER 3 IN MODEL)					
AA-CLAY-1-D	2292215	703094	4.60E-01	D	6.90E-01
AA-CLAY-2-D	2292026	702612	6.30E-01	D	6.90E-01
AA-O-4-D	2292838	702980	3.70E-01	D	3.12E-01
AA-O-5-D	2291980	701438	2.38E-03	U	8.44E-03
AA-P-10-D	2292965	707034	2.35E-03	U	6.07E-03
AA-P-4-D	2293668	705937	2.70E-02		6.81E-02
AA-P-5-D	2292966	706179	2.40E-03	U	3.48E-02
AA-P-6-D	2291980	706642	2.75E-03	U	4.18E-03
AA-P-7-D	2293538	708624	2.75E-03	U	3.40E-04
AA-P-8-D	2292518	708965	2.48E-03	U	3.30E-05
AA-P-9-D	2293249	704450	4.90E-03	J	7.57E-01
AA-Q-10-D	2288018	697143	2.43E-03	U	5.69E-37
AA-Q-9-D	2289912	701236	2.48E-03	U	3.22E-08
AA-SLAY-1-D	2292819	704829	1.20E-02		3.20E-01
AA-SLAY-2-D	2292057	705200	2.48E-03	U	7.11E-02
AA-SLAY-3-D	2291367	705455	2.48E-03	U	1.93E-02
AA-SLAY-4-D	2291741	704625	5.20E-03	J	7.74E-02
GM-12B	2297294	702590	2.40E-03	U	2.42E-06
GM-17B	2294310	702673	1.80E-01		6.94E-01
GM-18B	2292996	701435	2.70E-01	D	2.71E-01
GM-19C	2292105	702309	2.60E-01		1.59E-01
GM-20B	2292713	702844	1.30E+00	D	3.41E-01
GM-27C	2290906	704326	2.50E-02		8.51E-02
GM-31C	2292918	701061	2.38E-03	U	5.22E-02
GM-4B	2294470	703411	1.90E+00		3.73E+00
GM-6B	2294135	702076	1.70E-01		1.57E+00
GM-9C	2295527	702123	2.38E-03	U	-
MW-3C	2293771	703625	1.20E-03	J	1.70E+00
MW-5C	2293553	702888	2.40E-01	D	3.93E-01
MW-7C	2293370	702337	3.90E-01		8.38E-01
OSAA-1	2294330	708622	2.35E-03	U	1.38E-03
PSMW-11	2292701	704884	5.00E-03	U	2.44E-01
PSMW-12	2292347	703599	5.20E-01		1.65E-01
PSMW-13	2291281	701517	2.50E-04	U	6.17E-04
PSMW-16D	2291113	704394	9.00E-02		5.63E-02
PSMW-17	2290245	702674	1.70E-01		2.33E-01
PSMW-2	2296639	703249	1.00E-02	U	5.44E-03
PSMW-3	2296036	702995	1.10E+01		1.04E+01
PSMW-4	2295098	703141	6.40E+00		7.18E+00
PSMW-6	2294214	705885	3.80E-02		6.32E-02
PSMW-7	2293955	704010	1.25E-03	U	2.05E+00
PSMW-9	2292455	700774	2.50E-04	U	1.60E-03
SA2-MW-2-D	2292981	704538	2.60E-03	J	5.67E-01
SA2-MW-4-D	2291896	702693	7.30E-01	D	6.90E-01
UAA-10-D	2288936	698551	2.40E-03	U	2.12E-26
UAA-11-D	2294602	705909	4.00E-02		4.38E-02
UAA-5-D	2294645	707931	7.40E-02		8.05E-03

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TABLE 3B CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
1,4-Dichlorobenzene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	1,4-Dichlorobenzene Observed Concentration (mg/L)	Lab Qualifier	1,4-Dichlorobenzene Simulated Concentration (mg/L)
DHU (LAYER 3 IN MODEL)					
UAA-6-D	2294979	705212	6.70E-03	J	2.18E-02
UAA-7-D	2291605	700341	2.35E-03	U	1.72E-07
UAA-8-D	2290410	700690	2.45E-03	U	4.49E-09
UAA-9-D	2289916	699830	2.43E-03	U	1.57E-16
				DHU (Layer 3 in Model) RMS Error (mg/L)	**0.56**
				DHU (Layer 3 in Model) Mean Residual Error (mg/L)	**0.19**
				Overall RMS error (mg/L)	**0.62**
				Overall Mean Residual error (mg/L)	**0.15**

Notes:
1. All coordinates in State Plane feet, Illinois West, NAD 1983.
2. For non-detects, values equal to half the detection limit were used for the calculation of Mean Residual and RMS errors.

- = Well not used in analysis because either the detection limit is too high or the low concentration well lies well lies too close to the source zone or a high concentration well.
Dry = Well lies in model dry cell
Mg/L = Milligram per liter
RMS = Root mean square error

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TABLE 3C
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
2,4-Dichlorophenoxyacetic Acid Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	2,4-D Observed Concentration (mg/L)	Lab Qualifier	2,4-D Simulated Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
AA-CLAY-1-S	2292216	703094	2.50E-04	U	Dry
AA-CLAY-2-S	2292029	702612	8.60E-04	J	Dry
AA-O-5-S	2291988	701441	1.23E-04	U	2.47E-06
AA-P-10-S	2292965	707034	1.20E-04	U	6.70E-18
AA-P-4-S	2293667	705938	1.20E-04	U	1.84E-15
AA-P-6-S	2291978	706643	1.23E-04	U	4.77E-16
AA-P-7-S	2293537	708624	1.23E-04	U	7.27E-21
AA-P-9-S	2293245	704449	1.23E-04	U	Dry
AA-Q-10-S	2288018	697146	1.20E-03		Dry
AA-Q-9-S	2289912	701235	1.23E-04	U	Dry
AA-SLAY-1-S	2292817	704829	1.25E-04	U	Dry
AA-SLAY-2-S	2292056	705202	1.23E-04	U	1.04E-08
B-24A	2290763	703551	4.10E+01		3.39E+00
B-25A	2291275	703338	1.10E+01	DP	Dry
B-25B	2291275	703338	2.00E+01	D	1.55E+01
CA-3	2297021	702413	5.50E-04	P	6.63E-02
CP-MW-10-S	2290148	698021	9.00E-05	J	9.48E-34
CP-MW-12-S	2289192	697495	1.10E-04	JP	3.86E-39
CP-MW-13-S	2291059	697087	1.20E-04	U	1.19E-39
CP-MW-14-S	2289978	696840	1.23E-04	U	0.00E+00
CP-MW-15-S	2290628	696655	1.25E-04	U	0.00E+00
CP-MW-16-S	2289579	696182	1.25E-04	U	0.00E+00
CP-MW-6-S	2292546	698639	1.05E-04	J	5.55E-20
CP-MW-7-S	2291605	698213	1.20E-04	U	-5.04E-26
CP-MW-8-S	2290855	698392	1.20E-04	U	2.48E-28
EE-03	2295550	699820	1.25E-04	U	3.93E-07
EEG-107	2294746	699964	1.20E+00		3.04E-02
GM-1	2298057	703323	1.23E-04	U	8.25E-13
GM-11	2297207	704134	5.50E-04		6.30E-10
GM-15	2296750	703149	1.20E-04	U	3.31E-04
GM-18A	2293001	701458	1.20E-04	U	5.14E-04
GM-19A	2292087	702314	2.80E-03		7.24E-06
GM-2	2294146	701475	1.23E-04	U	8.94E-06
GM-31A	2292910	701062	1.23E-02	U	5.84E-05
GM-33	2294376	702197	1.25E-04	U	3.24E-09
GM-46	2296000	702927	1.23E+00	U	-
GM-4A	2294467	703403	1.23E-04	U	7.91E-07
GM-59A	2292805	701056	1.90E-04	JP	6.27E-04
GM-5A	2293555	702897	1.23E-04	U	4.09E-09
GM-60A	2292356	703578	1.20E-04	U	1.24E-05
GM-6A	2294131	702060	1.20E-04	U	6.26E-08
GM-7A	2293241	701902	1.20E-04	U	8.34E-05
GM-8	2293110	701047	1.23E-04	U	8.97E-05
GM-9A	2295539	702112	1.20E-04	U	1.64E-11

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TABLE 3C CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
2,4-Dichlorophenoxyacetic Acid Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	2,4-D Observed Concentration (mg/L)	Lab Qualifier	2,4-D Simulated Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
OSAA-1-S	2294330	708622	1.20E-04	U	1.85E-21
PIEZ-7S	2286292	698362	6.50E-03	D	0.00E+00
PSMW-5	2294393	702077	1.20E-04	U	1.20E-08
SA2-MW-10-S	2288446	698693	1.20E-04	U	3.26E-31
SA2-MW-1-S	2293339	705296	1.20E-04	U	2.10E-11
SA2-MW-2-S	2292977	704530	1.25E-04	U	4.32E-10
SA2-MW-3-S	2292107	705001	1.25E-04	U	1.65E-07
SA2-MW-4-S	2291891	702685	2.40E-04	U	3.87E-05
SA2-MW-5-S	2291017	700273	1.70E-04	JP	1.64E-12
SA2-MW-9-S	2289080	699061	1.25E-04	U	2.12E-27
SA-O-2-S	2292314	702283	1.10E-02		8.58E-06
SA-O-3-S	2292127	702338	1.25E-03	U	5.37E-06
SA-O-4-S	2292007	701964	1.20E-04	U	2.41E-05
SA-P-1-S	2293873	705618	6.40E-04	JP	1.37E-11
SA-P-2-S	2293446	705140	1.23E-01	U	1.94E-10
SA-P-3-S	2293614	704569	1.20E-04	U	1.44E-08
SA-Q-10-S	2288657	698220	1.20E-04	U	1.15E-34
SA-Q-11-S	2288151	698311	1.20E-04	U	3.22E-35
SA-Q-12-S	2288086	697995	1.23E-04	U	6.62E-38
SA-Q-13-S	2288093	697234	1.20E-04	U	0.00E+00
SA-Q-14-S	2287593	697661	1.20E-04	U	0.00E+00
SA-Q-15-S	2287393	697315	1.25E-04	U	0.00E+00
SA-Q-16-S	2287118	697613	1.20E-04	U	0.00E+00
SA-Q-1-S	2290516	702121	1.23E-04	U	1.55E-01
SA-Q-5-S	2289554	700011	1.20E-04	U	4.00E-19
SA-Q-6-S	2289033	700433	1.23E-03	U	6.91E-18
SA-Q-7-S	2289470	699639	5.00E-04		1.86E-22
SA-Q-9-S	2288920	698693	1.20E-04	U	3.36E-30
SA-S-1-S	2291471	701874	1.20E-04	U	2.33E-05
SA-S-2-S	2291379	701731	2.90E-04	J	Dry
TCMW-2	2294810	699336	1.25E-04	U	2.35E-07
TCMW-3S	2294848	699582	3.60E-04	J	1.75E-04
TCMW-4	2294317	699507	1.25E-04	U	1.50E-06
TCMW-5S	2294327	699614	1.25E-04	U	5.82E-05
TCMW-6S	2293917	699642	1.25E-04	U	4.07E-06
UAA-10-S	2288938	698551	1.23E-04	U	Dry
UAA-11-S	2294603	705910	1.20E-04	U	7.27E-14
UAA-5-S	2294645	707932	1.23E-04	U	2.60E-21
UAA-6-S	2294980	705212	1.20E-04	J	5.55E-10
UAA-7-S	2291605	700343	1.23E-04	U	6.64E-10
UAA-8-S	2290412	700693	1.20E-04	J	Dry
UAA-9-S	2289920	699830	1.25E-04	U	Dry
			SHU (Layer 1 in Model) RMS Error (mg/L)		**4.41**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)		**-0.58**

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TABLE 3C CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
2,4-Dichlorophenoxyacetic Acid Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	2,4-D Observed Concentration (mg/L)	Lab Qualifier	2,4-D Simulated Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
AA-CLAY-1-M	2292216	703094	2.50E-04	U	8.13E-06
AA-CLAY-2-M	2292029	702612	2.45E-04	U	4.13E-06
AA-O-4-M	2292838	702980	1.23E-04	U	2.38E-08
AA-O-5-M	2291988	701441	1.20E-04	U	2.89E-05
AA-P-10-M	2292965	707034	1.20E-04	U	1.71E-18
AA-P-4-M	2293667	705938	1.20E-04	U	1.27E-13
AA-P-5-M	2292965	706178	3.10E-04	JP	3.03E-16
AA-P-6-M	2291978	706643	1.25E-04	U	1.53E-15
AA-P-7-M	2293537	708624	1.28E-04	U	3.77E-20
AA-P-8-M	2292516	708964	1.20E-04	U	5.59E-20
AA-P-9-M	2293245	704449	1.23E-04	U	2.20E-09
AA-Q-10-M	2288018	697146	1.05E-04	J	0.00E+00
AA-Q-9-M	2289912	701235	1.25E-04	U	6.71E-08
AA-SLAY-1-M	2292817	704829	1.25E-04	U	7.22E-11
AA-SLAY-2-M	2292056	705202	1.25E-04	U	5.21E-08
AA-SLAY-3-M	2291368	705455	1.23E-04	U	5.02E-06
AA-SLAY-4-M	2291741	704624	1.23E-04	U	2.13E-04
B-24C	2290774	703571	3.70E+01		3.01E+01
CP-MW-18	2287909	696142	1.23E-04	U	0.00E+00
CP-MW-20	2288265	696769	1.23E-04	U	0.00E+00
CP-MW-22	2288923	697923	6.00E-05	J P	1.64E-36
CP-MW-24	2289419	698714	1.23E-04	U	2.41E-29
EE-01	2295289	700157	1.53E-01	U	2.05E-05
GM-10B	2296074	703673	1.23E-04	U	6.18E-04
GM-27B	2290909	704333	1.23E-04	U	1.60E+00
GM-31B	2292928	701064	1.23E-04	U	8.00E-04
GM-3	2293971	704005	2.60E-04	J	2.72E-07
GM-60B	2292362	703589	2.90E-04	J	1.24E-05
GM-9B	2295523	702120	1.23E-04	U	3.66E-10
IMW-1S	2296767	700427	1.23E-04	U	1.37E-18
MW-3B	2293764	703626	1.23E-04	U	3.85E-08
MW-5B	2293551	702877	1.20E-04	U	4.09E-09
OSAA-1-M	2294330	708622	1.23E-04	U	5.71E-21
PIEZ-7M	2286292	698362	1.20E-04	U	1.48E-40
PSMW-1	2297398	702746	1.23E-04	U	-1.22E-03
PSMW-14M	2291997	706548	1.20E-04	U	3.38E-14
PSMW-15M	2291438	705483	1.20E-04	U	3.26E-06
PSMW-16M	2291113	704394	1.20E-04	U	6.82E-01
PSMW-8	2293543	702857	5.80E-04		8.30E-09
SA2-MW-10-M	2288442	698696	1.20E-04	U	3.26E-31
SA2-MW-1-M	2293340	705302	1.23E-04	U	2.10E-11
SA2-MW-2-M	2292979	704535	1.23E-04	U	4.32E-10
SA2-MW-3-M	2292109	704996	1.25E-04	U	1.65E-07
SA2-MW-4-M	2291893	702689	2.40E-04	U	3.87E-05
SA2-MW-5-M	2291015	700277	1.20E-04	U	1.64E-12
SA2-MW-6-M	2289601	700763	1.20E-04	U	2.42E-12
SA2-MW-7-M	2289033	700426	1.23E-04	U	4.80E-17

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TABLE 3C CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
2,4-Dichlorophenoxyacetic Acid Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	2,4-D Observed Concentration (mg/L)	Lab Qualifier	2,4-D Simulated Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
SA2-MW-9-M	2289080	699057	1.20E-04	U	2.12E-27
SA-Q-2	2289951	702294	1.20E-04	U	1.04E-01
SA-Q-3	2290079	701615	1.20E-04	U	4.86E-05
SA-Q-4	2289686	700977	1.20E-03	U	3.09E-10
SA-Q-8	2288111	699785	1.23E-04	U	2.48E-24
TCMW-1M	2295680	699277	1.25E-04	U	1.31E-09
TCMW-1S	2295681	699282	1.25E-04	U	1.31E-09
TCMW-3M	2294848	699588	4.80E-04	J	1.75E-04
TCMW-5M	2294328	699620	1.25E-04	U	5.82E-05
TCMW-6M	2293920	699648	1.25E-04	U	6.58E-06
UAA-10-M	2288938	698551	1.25E-04	U	1.82E-31
UAA-11-M	2294603	705910	1.20E-04	U	1.01E-11
UAA-5-M	2294645	707932	1.20E-04	U	2.50E-21
UAA-6-M	2294980	705212	1.23E-04	U	2.10E-08
UAA-7-M	2291605	700343	1.23E-04	U	4.96E-09
UAA-8-M	2290412	700693	2.10E-04	J	1.29E-10
UAA-9-M	2289920	699830	1.25E-04	U	1.42E-19
			MHU (Layer 2 in Model) RMS Error (mg/L)		**0.89**
			MHU (Layer 2 in Model) Mean Residual Error (mg/L)		**-0.07**

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TABLE 3C CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
2,4-Dichlorophenoxyacetic Acid Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	2,4-D Observed Concentration (mg/L)	Lab Qualifier	2,4-D Simulated Concentration (mg/L)
DHU (LAYER 3 IN MODEL)					
AA-CLAY-1-D	2292215	703094	2.50E-04	U	1.35E-06
AA-CLAY-2-D	2292026	702612	2.40E-04	U	1.17E-06
AA-O-4-D	2292838	702980	1.20E-04	U	1.53E-08
AA-O-5-D	2291980	701438	1.20E-04	U	1.50E-05
AA-P-10-D	2292965	707034	1.20E-04	U	1.23E-18
AA-P-4-D	2293668	705937	2.10E-03		9.34E-14
AA-P-5-D	2292966	706179	1.28E-04	U	2.29E-16
AA-P-6-D	2291980	706642	1.25E-04	U	1.54E-15
AA-P-7-D	2293538	708624	1.25E-04	U	4.84E-20
AA-P-8-D	2292518	708965	1.25E-04	U	5.84E-20
AA-P-9-D	2293249	704450	1.23E-04	U	1.55E-09
AA-Q-10-D	2288018	697143	1.05E-04	J	0.00E+00
AA-Q-9-D	2289912	701236	1.23E-04	U	2.91E-08
AA-SLAY-1-D	2292819	704829	1.25E-04	U	4.09E-11
AA-SLAY-2-D	2292057	705200	1.28E-04	U	2.45E-08
AA-SLAY-3-D	2291367	705455	1.23E-04	U	3.55E-06
AA-SLAY-4-D	2291741	704625	2.90E-04	J	6.77E-05
GM-17C	2294317	702701	1.23E-04	U	3.11E-10
GM-18B	2292996	701435	1.20E-04	U	2.42E-04
GM-19C	2292105	702309	1.23E-04	U	4.19E-06
GM-20B	2292713	702844	1.23E-04	U	7.15E-08
GM-27C	2290906	704326	1.23E-04	U	2.85E-01
GM-31C	2292918	701061	1.23E-04	U	3.31E-04
GM-4B	2294470	703411	1.25E-04	U	6.99E-07
GM-6B	2294135	702076	1.20E-04	U	7.10E-07
GM-9C	2295527	702123	1.25E-04	U	2.48E-10
IMW-1I	2296764	700438	1.25E-04	U	1.27E-18
MW-3C	2293771	703625	1.20E-04	U	2.64E-08
MW-5C	2293553	702888	1.20E-04	U	2.68E-09
MW-7B	2293363	702339	1.23E-04	U	1.16E-06
OSAA-1	2294330	708622	1.23E-04	U	7.25E-21
PSMW-11	2292701	704884	1.20E-04	U	8.61E-11
PSMW-12	2292347	703599	1.20E-04	U	2.56E-06
PSMW-13	2291281	701517	1.20E-04	U	1.10E-06
PSMW-16D	2291113	704394	1.20E-04	U	1.18E-01
PSMW-17	2290245	702674	4.20E-03	D	2.98E+00
PSMW-2	2296639	703249	1.20E-04	U	3.09E-03
PSMW-3	2296036	702995	1.20E-04	U	4.24E-04
PSMW-4	2295098	703141	1.20E-04	U	6.04E-06
PSMW-6	2294214	705885	1.20E-04	U	2.29E-12
PSMW-7	2293955	704010	1.20E-04	U	1.87E-07
PSMW-9	2292455	700774	1.20E-04	U	3.07E-05
SA2-MW-2-D	2292981	704538	1.25E-04	U	2.92E-10
SA2-MW-4-D	2291896	702693	2.40E-04	U	8.30E-06
UAA-10-D	2288936	698551	1.23E-04	U	1.77E-31
UAA-11-D	2294602	705909	1.20E-04	U	7.38E-12
UAA-5-D	2294645	707931	4.80E-04		2.87E-21

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TABLE 3C CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
2,4-Dichlorophenoxyacetic Acid Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	2,4-D Observed Concentration (mg/L)	Lab Qualifier	2,4-D Simulated Concentration (mg/L)
DHU (LAYER 3 IN MODEL)					
UAA-6-D	2294979	705212	1.23E-04	U	1.51E-08
UAA-7-D	2291605	700341	1.25E-04	U	2.48E-09
UAA-8-D	2290410	700690	4.60E-04	J	5.23E-11
UAA-9-D	2289916	699830	1.23E-04	U	7.87E-20
				DHU (Layer 3 in Model) RMS Error (mg/L)	**0.42**
				DHU (Layer 3 in Model) Mean Residual Error (mg/L)	**0.07**
				Overall RMS error (mg/L)	**2.81**
				Overall Mean Residual error (mg/L)	**-0.24**

Notes:
1. All coordinates in State Plane feet, Illinois West, NAD 1983.
2. For non-detects, values equal to half the detection limit were used for the calculation of Mean Residual and RMS errors.

- = Well not used in analysis because either the detection limit is too high or the low concentration well lies too close to the source zone or a high concentration well.
Dry = Well lies in model dry cell
Mg/L = Milligram per liter
RMS = Root mean square error

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TABLE 3D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Tetrachloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	PCE Observed Concentration (mg/L)	Lab Qualifier	PCE Simulated Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
AA-CLAY-1-S	2292216	703094	5.00E-04	U	Dry
AA-O-5-S	2291988	701441	2.50E-04	U	1.37E-04
AA-P-10-S	2292965	707034	2.50E-04	U	0.00E+00
AA-P-4-S	2293667	705938	2.50E-04	U	3.04E-33
AA-P-6-S	2291978	706643	2.50E-04	U	5.56E-22
AA-P-7-S	2293537	708624	2.50E-04	U	0.00E+00
AA-P-9-S	2293245	704449	2.50E-04	U	Dry
AA-Q-10-S	2288018	697146	2.50E-04	U	Dry
AA-Q-9-S	2289912	701235	2.50E-04	U	Dry
AA-SLAY-1-S	2292817	704829	2.50E-04	U	Dry
AA-SLAY-2-S	2292056	705202	2.50E-04	U	1.20E-11
B-22A	2291090	704158	2.50E-03	U	Dry
B-28A	2290369	702643	5.00E-04	U	1.77E-04
B-29B	2290793	702429	2.50E-03	U	Dry
CA-3	2297021	702413	2.50E-04	U	0.00E+00
CP-MW-10-S	2290148	698021	2.50E-04	U	0.00E+00
CP-MW-12-S	2289192	697495	2.50E-04	U	0.00E+00
CP-MW-16-S	2289579	696182	2.50E-04	U	0.00E+00
CP-MW-6-S	2292546	698639	2.50E-04	U	4.42E-22
CP-MW-7-S	2291605	698213	2.50E-04	U	0.00E+00
EE-03	2295550	699820	2.50E-04	U	6.55E-06
EEG-107	2294746	699964	2.80E-01		2.50E-01
GM-1	2298057	703323	2.50E-04	U	0.00E+00
GM-11	2297207	704134	2.50E-04	U	0.00E+00
GM-15	2296750	703149	2.50E-04	U	0.00E+00
GM-18A	2293001	701458	2.50E-04	U	2.06E-02
GM-19A	2292087	702314	1.10E-01		4.66E-04
GM-31A	2292910	701062	2.50E-04	U	2.49E-03
GM-46	2296000	702927	8.80E-03		0.00E+00
GM-4A	2294467	703403	2.50E-04	U	6.53E-14
GM-59A	2292805	701056	2.50E-04	U	2.25E-02
GM-5A	2293555	702897	2.50E-04	U	2.89E-07
GM-60A	2292356	703578	2.50E-04	U	1.55E-05
GM-6A	2294131	702060	1.00E-03	U	3.70E-06
GM-7A	2293241	701902	2.50E-04	U	4.02E-03
GM-8	2293110	701047	2.50E-04	U	3.63E-03
GM-9A	2295539	702112	2.50E-04	U	4.33E-19
OSAA-1-S	2294330	708622	2.50E-04	U	Dry
PIEZ-7S	2286292	698362	2.50E-04	U	0.00E+00
SA2-MW-10-S	2288446	698693	2.50E-04	U	0.00E+00
SA2-MW-1-S	2293339	705296	2.50E-04	U	0.00E+00
SA2-MW-2-S	2292977	704530	2.50E-04	U	9.42E-13

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TABLE 3D CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Tetrachloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	PCE Observed Concentration (mg/L)	Lab Qualifier	PCE Simulated Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
SA2-MW-3-S	2292107	705001	2.50E-04	U	7.57E-10
SA2-MW-5-S	2291017	700273	2.50E-04	U	1.30E-10
SA2-MW-9-S	2289080	699061	2.50E-04	U	0.00E+00
SA-O-2-S	2292314	702283	2.50E-04	U	5.39E-04
SA-O-3-S	2292127	702338	2.70E-02		3.91E-04
SA-O-4-S	2292007	701964	2.50E-04	U	1.36E-03
SA-P-1-S	2293873	705618	2.50E-04	U	1.72E-33
SA-P-2-S	2293446	705140	2.50E-04	U	0.00E+00
SA-P-3-S	2293614	704569	2.50E-04	U	4.93E-19
SA-Q-10-S	2288657	698220	2.50E-04	U	0.00E+00
SA-Q-11-S	2288151	698311	2.50E-04	U	0.00E+00
SA-Q-12-S	2288086	697995	2.50E-04	U	0.00E+00
SA-Q-13-S	2288093	697234	2.50E-04	U	0.00E+00
SA-Q-14-S	2287593	697661	2.50E-04	U	0.00E+00
SA-Q-15-S	2287393	697315	2.50E-04	U	0.00E+00
SA-Q-16-S	2287118	697613	2.50E-04	U	0.00E+00
SA-Q-5-S	2289554	700011	2.50E-04	U	6.20E-22
SA-Q-6-S	2289033	700433	2.50E-04	U	4.70E-23
SA-Q-7-S	2289470	699639	2.50E-04	U	0.00E+00
SA-Q-9-S	2288920	698693	2.50E-04	U	0.00E+00
SA-S-1-S	2291471	701874	5.00E-04	U	1.80E-04
SA-S-2-S	2291379	701731	2.50E-04	U	Dry
TCMW-2	2294810	699336	1.25E-03	U	5.56E-06
TCMW-3S	2294848	699582	1.25E-03	U	2.18E-03
TCMW-4	2294317	699507	1.25E-03	U	3.34E-05
TCMW-5S	2294327	699614	1.25E-03	U	9.31E-04
TCMW-6S	2293917	699642	1.25E-03	U	1.07E-04
UAA-10-S	2288938	698551	2.50E-04	U	Dry
UAA-11-S	2294603	705910	2.50E-04	U	0.00E+00
UAA-5-S	2294645	707932	2.50E-04	U	0.00E+00
UAA-6-S	2294980	705212	2.50E-04	U	0.00E+00
UAA-7-S	2291605	700343	2.50E-04	U	3.73E-08
UAA-8-S	2290412	700693	2.50E-04	U	Dry
UAA-9-S	2289920	699830	2.50E-04	U	Dry
				SHU (Layer 1 in Model) RMS Error (mg/L)	**0.015**
				SHU (Layer 1 in Model) Mean Residual Error (mg/L)	**-0.002**

TABLE 3D CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Tetrachloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	PCE Measured Concentration (mg/L)		PCE Predicted Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
AA-CLAY-1-M	2292216	703094	5.00E-04	U	7.36E-04
AA-O-5-M	2291988	701441	2.50E-04	U	1.54E-03
AA-P-10-M	2292965	707034	2.50E-04	U	1.68E-39
AA-P-4-M	2293667	705938	2.50E-04	U	8.38E-32
AA-P-5-M	2292965	706178	2.50E-04	U	1.67E-27
AA-P-6-M	2291978	706643	2.50E-04	U	2.15E-20
AA-P-7-M	2293537	708624	2.50E-04	U	0.00E+00
AA-P-8-M	2292516	708964	2.50E-04	U	0.00E+00
AA-P-9-M	2293245	704449	2.50E-04	U	3.01E-14
AA-Q-10-M	2288018	697146	2.50E-04	U	0.00E+00
AA-Q-9-M	2289912	701235	2.50E-04	U	4.70E-11
AA-SLAY-1-M	2292817	704829	2.50E-04	U	2.30E-13
AA-SLAY-2-M	2292056	705202	2.50E-04	U	1.26E-10
AA-SLAY-3-M	2291368	705455	2.50E-04	U	6.14E-09
AA-SLAY-4-M	2291741	704624	2.50E-04	U	9.05E-07
CP-MW-18	2287909	696142	2.50E-04	U	0.00E+00
CP-MW-20	2288265	696769	2.50E-04	U	0.00E+00
CP-MW-22	2288923	697923	2.50E-04	U	0.00E+00
CP-MW-24	2289419	698714	2.50E-04	U	0.00E+00
GM-3	2293971	704005	2.50E-04	U	Dry
GM-31B	2292928	701064	2.50E-04	U	2.76E-02
GM-60B	2292362	703589	2.50E-04	U	1.55E-05
GM-9B	2295523	702120	5.00E-04	U	0.00E+00
IMW-1S	2296767	700427	1.25E-03	U	4.79E-16
PIEZ-7M	2286292	698362	2.50E-04	U	0.00E+00
PSMW-14M	2291997	706548	2.50E-04	U	1.46E-18
PSMW-15M	2291438	705483	2.50E-04	U	4.10E-09
PSMW-16M	2291113	704394	2.50E-04	U	1.23E-04
PSMW-8	2293543	702857	2.50E-04	U	5.81E-07
SA2-MW-10-M	2288442	698696	1.25E-03	U	0.00E+00
SA2-MW-1-M	2293340	705302	2.50E-04	U	0.00E+00
SA2-MW-2-M	2292979	704535	2.50E-04	U	9.42E-13
SA2-MW-3-M	2292109	704996	2.50E-04	U	7.57E-10
SA2-MW-5-M	2291015	700277	2.50E-04	U	1.30E-10
SA2-MW-6-M	2289601	700763	2.50E-04	U	2.32E-15
SA2-MW-7-M	2289033	700426	2.50E-04	U	4.88E-22
SA2-MW-9-M	2289080	699057	2.50E-04	U	0.00E+00
SA-O-1	2292907	702783	2.50E-04	U	9.65E-06
SA-Q-2	2289951	702294	2.50E-04	U	9.41E-09
SA-Q-3	2290079	701615	2.50E-04	U	4.25E-09
SA-Q-4	2289686	700977	2.50E-04	U	2.88E-13
SA-Q-8	2288111	699785	2.50E-04	U	1.44E-39

TABLE 3D CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Tetrachloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	PCE Measured Concentration (mg/L)		PCE Predicted Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
TCMW-1M	2295680	699277	1.25E-03	U	2.48E-08
TCMW-1S	2295681	699282	1.25E-03	U	2.48E-08
TCMW-3M	2294848	699588	1.25E-03	U	2.18E-03
TCMW-5M	2294328	699620	1.25E-03	U	9.31E-04
TCMW-6M	2293920	699648	1.25E-03	U	1.60E-04
UAA-10-M	2288938	698551	2.50E-04	U	0.00E+00
UAA-11-M	2294603	705910	2.50E-04	U	0.00E+00
UAA-5-M	2294645	707932	2.50E-04	U	0.00E+00
UAA-6-M	2294980	705212	2.50E-04	U	0.00E+00
UAA-7-M	2291605	700343	2.50E-04	U	2.77E-07
UAA-8-M	2290412	700693	2.50E-04	U	1.26E-10
UAA-9-M	2289920	699830	2.50E-04	U	2.22E-21
				MHU (Layer 2 in Model) RMS Error (mg/L)	**0.004**
				MHU (Layer 2 in Model) Mean Residual Error (mg/L)	**0.0**

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TABLE 3D CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Tetrachloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	PCE Measured Concentration (mg/L)		PCE Predicted Concentration (mg/L)
DHU (LAYER 3 IN MODEL)					
AA-O-5-D	2291980	701438	2.50E-04	U	8.25E-04
AA-P-10-D	2292965	707034	2.50E-04	U	4.40E-39
AA-P-5-D	2292966	706179	1.25E-03	U	0.00E+00
AA-P-6-D	2291980	706642	5.00E-04	U	2.01E-20
AA-P-7-D	2293538	708624	2.50E-04	U	0.00E+00
AA-P-8-D	2292518	708965	2.50E-04	U	0.00E+00
AA-Q-10-D	2288018	697143	2.50E-04	U	0.00E+00
AA-Q-9-D	2289912	701236	2.50E-04	U	2.63E-11
AA-SLAY-2-D	2292057	705200	1.25E-03	U	5.38E-11
AA-SLAY-3-D	2291367	705455	2.50E-04	U	3.71E-09
GM-17B	2294310	702673	5.00E-04	U	2.61E-08
GM-18B	2292996	701435	5.00E-04	U	1.04E-02
GM-19C	2292105	702309	2.50E-04	U	2.60E-04
GM-9C	2295527	702123	2.50E-04	U	0.00E+00
IMW-1I	2296764	700438	2.50E-04	U	3.07E-16
MW-5C	2293553	702888	1.00E-03	U	1.89E-07
OSAA-1	2294330	708622	2.50E-04	U	0.00E+00
PSMW-13	2291281	701517	2.50E-04	U	2.53E-05
PSMW-6	2294214	705885	2.50E-04	U	0.00E+00
PSMW-7	2293955	704010	1.25E-03	U	2.21E-16
PSMW-9	2292455	700774	2.50E-04	U	1.36E-03
SA2-MW-2-D	2292981	704538	5.00E-04	U	3.53E-13
UAA-10-D	2288936	698551	2.50E-04	U	0.00E+00
UAA-11-D	2294602	705909	2.50E-04	U	0.00E+00
UAA-6-D	2294979	705212	2.50E-04	U	0.00E+00
UAA-7-D	2291605	700341	2.50E-04	U	1.38E-07
UAA-8-D	2290410	700690	2.50E-04	U	6.79E-11
UAA-9-D	2289916	699830	2.50E-04	U	5.64E-22
			DHU (Layer 3 in Model) RMS Error (mg/L)		**0.002**
			DHU (Layer 3 in Model) Mean Residual Error (mg/L)		**0.0**

Overall RMS error (mg/L)	**0.01**
Overall Mean Residual error (mg/L)	**-0.001**

Notes:
1. All coordinates in State Plane feet, Illinois West, NAD 1983.
2. For non-detects, values equal to half the detection limit were used for the calculation of Mean Residual and RMS errors.
   Dry = Well lies in model dry cell
   Mg/L = Milligram per liter
   RMS = Root mean square error

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TABLE 3E
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Trichloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	TCE Measured Concentration (mg/L)	Lab Qualifier	TCE Predicted Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
AA-CLAY-1-S	2292216	703094	1.70E-03		Dry
AA-CLAY-2-S	2292029	702612	6.90E-01		Dry
AA-O-5-S	2291988	701441	2.50E-04	U	2.86E-04
AA-P-10-S	2292965	707034	2.50E-04	U	9.90E-40
AA-P-4-S	2293667	705938	2.50E-04	U	9.22E-33
AA-P-6-S	2291978	706643	2.50E-04	U	1.32E-21
AA-P-7-S	2293537	708624	2.50E-04	U	0.00E+00
AA-P-9-S	2293245	704449	2.50E-04	U	Dry
AA-Q-10-S	2288018	697146	2.50E-04	U	Dry
AA-Q-9-S	2289912	701235	2.50E-04	U	Dry
AA-SLAY-1-S	2292817	704829	2.50E-04	U	Dry
AA-SLAY-2-S	2292056	705202	2.50E-04	U	2.41E-11
B-22A	2291090	704158	2.50E-03	U	Dry
B-28A	2290369	702643	5.00E-04	U	2.07E-04
B-29B	2290793	702429	2.50E-03	U	Dry
CA-3	2297021	702413	2.50E-04	U	0.00E+00
CP-MW-10-S	2290148	698021	2.50E-04	U	0.00E+00
CP-MW-12-S	2289192	697495	2.50E-04	U	0.00E+00
CP-MW-16-S	2289579	696182	2.50E-04	U	0.00E+00
CP-MW-6-S	2292546	698639	2.50E-04	U	9.66E-22
CP-MW-7-S	2291605	698213	2.50E-04	U	2.53E-38
EE-03	2295550	699820	2.50E-04	U	9.30E-06
EEG-107	2294746	699964	3.90E-01		1.88E-01
GM-1	2298057	703323	2.50E-04	U	0.00E+00
GM-11	2297207	704134	2.50E-04	U	0.00E+00
GM-15	2296750	703149	2.50E-04	U	0.00E+00
GM-18A	2293001	701458	2.50E-04	U	4.04E-02
GM-19A	2292087	702314	5.50E-02		8.93E-04
GM-31A	2292910	701062	2.50E-04	U	4.96E-03
GM-46	2296000	702927	2.50E-04	U	0.00E+00
GM-4A	2294467	703403	2.50E-04	U	1.31E-13
GM-59A	2292805	701056	2.50E-04	U	4.34E-02
GM-5A	2293555	702897	2.50E-04	U	5.14E-07
GM-60A	2292356	703578	2.50E-04	U	2.10E-05
GM-6A	2294131	702060	1.00E-03	U	6.72E-06
GM-7A	2293241	701902	2.50E-04	U	7.76E-03
GM-8	2293110	701047	2.50E-04	U	7.17E-03
GM-9A	2295539	702112	2.50E-04	U	1.77E-19
OSAA-1-S	2294330	708622	2.50E-04	U	Dry
PIEZ-7S	2286292	698362	1.00E-03		0.00E+00
SA2-MW-10-S	2288446	698693	2.50E-04	U	0.00E+00
SA2-MW-1-S	2293339	705296	2.50E-04	U	0.00E+00

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TABLE 3E CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Trichloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	TCE Measured Concentration (mg/L)	Lab Qualifier	TCE Predicted Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
SA2-MW-2-S	2292977	704530	2.50E-04	U	1.65E-12
SA2-MW-3-S	2292107	705001	2.50E-04	U	1.38E-09
SA2-MW-5-S	2291017	700273	2.50E-04	U	3.48E-10
SA2-MW-9-S	2289080	699061	2.50E-04	U	0.00E+00
SA-O-2-S	2292314	702283	2.50E-04	U	1.04E-03
SA-O-3-S	2292127	702338	2.40E-02		7.13E-04
SA-O-4-S	2292007	701964	2.50E-04	U	2.77E-03
SA-P-1-S	2293873	705618	2.50E-04	U	6.33E-33
SA-P-2-S	2293446	705140	2.50E-04	U	0.00E+00
SA-P-3-S	2293614	704569	2.50E-04	U	1.04E-18
SA-Q-10-S	2288657	698220	2.50E-04	U	0.00E+00
SA-Q-11-S	2288151	698311	2.50E-04	U	0.00E+00
SA-Q-12-S	2288086	697995	2.50E-04	U	0.00E+00
SA-Q-13-S	2288093	697234	2.50E-04	U	0.00E+00
SA-Q-14-S	2287593	697661	2.50E-04	U	0.00E+00
SA-Q-15-S	2287393	697315	2.50E-04	U	0.00E+00
SA-Q-16-S	2287118	697613	2.50E-04	U	0.00E+00
SA-Q-5-S	2289554	700011	2.50E-04	U	1.64E-21
SA-Q-6-S	2289033	700433	2.50E-04	U	1.19E-22
SA-Q-7-S	2289470	699639	2.50E-04	U	3.55E-37
SA-Q-9-S	2288920	698693	2.50E-04	U	0.00E+00
SA-S-1-S	2291471	701874	5.00E-04	U	3.70E-04
SA-S-2-S	2291379	701731	2.50E-04	U	Dry
TCMW-2	2294810	699336	6.75E-04	U	1.06E-05
TCMW-3S	2294848	699582	6.75E-04	U	2.53E-03
TCMW-4	2294317	699507	6.75E-04	U	6.54E-05
TCMW-5S	2294327	699614	6.75E-04	U	1.33E-03
TCMW-6S	2293917	699642	6.75E-04	U	1.90E-04
UAA-10-S	2288938	698551	2.50E-04	U	Dry
UAA-11-S	2294603	705910	2.50E-04	U	0.00E+00
UAA-5-S	2294645	707932	2.50E-04	U	0.00E+00
UAA-6-S	2294980	705212	2.50E-04	U	0.00E+00
UAA-7-S	2291605	700343	2.50E-04	U	9.50E-08
UAA-8-S	2290412	700693	2.50E-04	U	Dry
UAA-9-S	2289920	699830	2.50E-04	U	Dry
			SHU (Layer 1 in Model) RMS Error (mg/L)		**0.03**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)		**-0.003**

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TABLE 3E CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Trichloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	TCE Measured Concentration (mg/L)		TCE Predicted Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
AA-CLAY-1-M	2292216	703094	5.00E-04	U	8.40E-04
AA-O-5-M	2291988	701441	2.50E-04	U	3.17E-03
AA-P-10-M	2292965	707034	2.50E-04	U	4.10E-38
AA-P-4-M	2293667	705938	2.50E-04	U	2.42E-31
AA-P-5-M	2292965	706178	2.50E-04	U	4.82E-27
AA-P-6-M	2291978	706643	2.50E-04	U	4.80E-20
AA-P-7-M	2293537	708624	2.50E-04	U	0.00E+00
AA-P-8-M	2292516	708964	2.50E-04	U	0.00E+00
AA-P-9-M	2293245	704449	2.50E-04	U	5.31E-14
AA-Q-10-M	2288018	697146	2.50E-04	U	0.00E+00
AA-Q-9-M	2289912	701235	2.50E-04	U	1.23E-10
AA-SLAY-1-M	2292817	704829	2.50E-04	U	4.24E-13
AA-SLAY-2-M	2292056	705202	2.50E-04	U	2.35E-10
AA-SLAY-3-M	2291368	705455	2.50E-04	U	1.15E-08
AA-SLAY-4-M	2291741	704624	2.50E-04	U	1.55E-06
B-24C	2290774	703571	5.40E-02		5.54E-02
CP-MW-18	2287909	696142	2.50E-04	U	0.00E+00
CP-MW-20	2288265	696769	2.50E-04	U	0.00E+00
CP-MW-22	2288923	697923	2.50E-04	U	0.00E+00
CP-MW-24	2289419	698714	2.50E-04	U	0.00E+00
GM-31B	2292928	701064	2.50E-04	U	5.28E-02
GM-3A	2293971	704005	2.50E-04	U	6.37E-16
GM-60B	2292362	703589	2.50E-04	U	2.10E-05
GM-9B	2295523	702120	5.00E-04	U	0.00E+00
IMW-1S	2296767	700427	1.25E-03	U	1.14E-15
PIEZ-7M	2286292	698362	2.50E-04	U	0.00E+00
PSMW-14M	2291997	706548	2.50E-04	U	3.09E-18
PSMW-15M	2291438	705483	2.50E-04	U	7.68E-09
PSMW-16M	2291113	704394	2.50E-04	U	2.01E-04
PSMW-8	2293543	702857	2.50E-04	U	1.04E-06
SA2-MW-10-M	2288442	698696	1.25E-03	U	0.00E+00
SA2-MW-1-M	2293340	705302	2.50E-04	U	0.00E+00
SA2-MW-2-M	2292979	704535	2.50E-04	U	1.65E-12
SA2-MW-3-M	2292109	704996	2.50E-04	U	1.38E-09
SA2-MW-4-M	2291893	702689	5.00E-04	U	1.61E-03
SA2-MW-5-M	2291015	700277	2.50E-04	U	3.48E-10
SA2-MW-6-M	2289601	700763	2.50E-04	U	6.33E-15
SA2-MW-7-M	2289033	700426	2.50E-04	U	1.23E-21
SA2-MW-9-M	2289080	699057	2.50E-04	U	0.00E+00
SA-O-1	2292907	702783	2.50E-04	U	1.71E-05
SA-Q-2	2289951	702294	2.50E-04	U	2.33E-08
SA-Q-3	2290079	701615	2.50E-04	U	1.09E-08

TABLE 3E CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Trichloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	TCE Measured Concentration (mg/L)		TCE Predicted Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
SA-Q-4	2289686	700977	2.50E-04	U	7.70E-13
SA-Q-8	2288111	699785	2.50E-04	U	6.43E-40
TCMW-1M	2295680	699277	6.75E-04	U	4.27E-08
TCMW-1S	2295681	699282	6.75E-04	U	4.27E-08
TCMW-3M	2294848	699588	6.75E-04	U	2.53E-03
TCMW-5M	2294328	699620	6.75E-04	U	1.33E-03
TCMW-6M	2293920	699648	6.75E-04	U	2.74E-04
UAA-10-M	2288938	698551	2.50E-04	U	0.00E+00
UAA-11-M	2294603	705910	2.50E-04	U	0.00E+00
UAA-5-M	2294645	707932	2.50E-04	U	0.00E+00
UAA-6-M	2294980	705212	2.50E-04	U	0.00E+00
UAA-7-M	2291605	700343	2.50E-04	U	6.91E-07
UAA-8-M	2290412	700693	2.50E-04	U	3.32E-10
UAA-9-M	2289920	699830	2.50E-04	U	5.74E-21
			MHU (Layer 2 in Model) RMS Error (mg/L)		**0.01**
			MHU (Layer 2 in Model) Mean Residual Error (mg/L)		**0.0**

TABLE 3E CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Trichloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	TCE Measured Concentration (mg/L)		TCE Predicted Concentration (mg/L)
DHU (LAYER 3 IN MODEL)					
AA-O-5-D	2291980	701438	2.50E-04	U	1.70E-03
AA-P-10-D	2292965	707034	2.50E-04	U	1.25E-38
AA-P-5-D	2292966	706179	1.25E-03	U	0.00E+00
AA-P-6-D	2291980	706642	5.00E-04	U	4.55E-20
AA-P-7-D	2293538	708624	2.50E-04	U	0.00E+00
AA-P-8-D	2292518	708965	2.50E-04	U	0.00E+00
AA-Q-10-D	2288018	697143	2.50E-04	U	0.00E+00
AA-Q-9-D	2289912	701236	2.50E-04	U	6.90E-11
AA-SLAY-2-D	2292057	705200	1.25E-03	U	1.01E-10
AA-SLAY-3-D	2291367	705455	2.50E-04	U	7.04E-09
GM-17B	2294310	702673	5.00E-04	U	4.64E-08
GM-18B	2292996	701435	5.00E-04	U	2.05E-02
GM-19C	2292105	702309	2.50E-04	U	5.08E-04
GM-9C	2295527	702123	2.50E-04	U	0.00E+00
IMW-1I	2296764	700438	2.50E-04	U	7.40E-16
MW-5C	2293553	702888	1.00E-03	U	3.37E-07
OSAA-1	2294330	708622	2.50E-04	U	0.00E+00
PSMW-13	2291281	701517	2.50E-04	U	5.74E-05
PSMW-6	2294214	705885	2.50E-04	U	0.00E+00
PSMW-7	2293955	704010	1.25E-03	U	4.39E-16
PSMW-9	2292455	700774	2.50E-04	U	2.73E-03
SA2-MW-2-D	2292981	704538	5.00E-04	U	6.28E-13
UAA-10-D	2288936	698551	2.50E-04	U	0.00E+00
UAA-11-D	2294602	705909	2.50E-04	U	0.00E+00
UAA-6-D	2294979	705212	2.50E-04	U	0.00E+00
UAA-7-D	2291605	700341	2.50E-04	U	3.49E-07
UAA-8-D	2290410	700690	2.50E-04	U	1.80E-10
UAA-9-D	2289916	699830	2.50E-04	U	1.48E-21
				DHU (Layer 3 in Model) RMS Error (mg/L)	**0.004**
				DHU (Layer 3 in Model) Mean Residual Error (mg/L)	**0.0**

Overall RMS error (mg/L)	**0.02**
Overall Mean Residual error (mg/L)	**-0.001**

Notes:
1. All coordinates in State Plane feet, Illinois West, NAD 1983.
2. For non-detects, values equal to half the detection limit were used for the calculation of Mean Residual and RMS errors.
   Dry = Well lies in model dry cell
   Mg/L = Milligram per liter
   RMS = Root mean square error

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TABLE 3F
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
cis-1,2-Dichloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	DCE Observed Concentration (mg/L)	Lab Qualifier	DCE Simulated Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
AA-CLAY-1-S	2292216	703094	1.00E-02		Dry
AA-CLAY-2-S	2292029	702612	4.00E+01		Dry
AA-O-5-S	2291988	701441	5.00E-04	U	6.39E-04
AA-P-10-S	2292965	707034	2.50E-04	U	1.65E-03
AA-P-4-S	2293667	705938	5.00E-04	U	3.07E-03
AA-P-6-S	2291978	706643	5.00E-04	U	3.72E-03
AA-P-7-S	2293537	708624	5.00E-04	U	4.20E-05
AA-P-9-S	2293245	704449	5.00E-04	U	Dry
AA-Q-10-S	2288018	697146	5.00E-04	U	Dry
AA-Q-9-S	2289912	701235	5.00E-04	U	Dry
AA-SLAY-1-S	2292817	704829	5.00E-04	U	Dry
AA-SLAY-2-S	2292056	705202	5.00E-04	U	4.29E-03
B-28A	2290369	702643	1.00E-03	U	2.63E-02
B-29B	2290793	702429	1.80E-02	J	2.93E-03
CA-3	2297021	702413	5.00E-04	U	1.38E-11
CP-MW-10-S	2290148	698021	5.00E-04	U	1.95E-25
CP-MW-12-S	2289192	697495	5.00E-04	U	7.44E-30
CP-MW-16-S	2289579	696182	5.00E-04	U	1.74E-36
CP-MW-6-S	2292546	698639	5.00E-04	U	1.38E-16
CP-MW-7-S	2291605	698213	5.00E-04	U	1.16E-20
EE-03	2295550	699820	5.00E-04	U	6.24E-04
EEG-107	2294746	699964	2.40E-01		2.31E-01
GM-1	2298057	703323	5.00E-04	U	7.82E-16
GM-11	2297207	704134	5.00E-04	U	1.83E-10
GM-15	2296750	703149	5.00E-04	U	4.78E-10
GM-18A	2293001	701458	5.00E-04	U	8.01E-02
GM-19A	2292087	702314	6.70E-02		4.03E-02
GM-31A	2292910	701062	5.00E-04	U	9.40E-03
GM-46	2296000	702927	5.00E-04	U	2.91E-07
GM-4A	2294467	703403	5.00E-04	U	7.74E-04
GM-59A	2292805	701056	5.00E-04	U	7.65E-02
GM-5A	2293555	702897	5.00E-04	U	3.28E-02
GM-60A	2292356	703578	5.00E-04	U	2.93E-02
GM-6A	2294131	702060	2.00E-03	U	2.27E-02
GM-7A	2293241	701902	2.00E-03		5.35E-02
GM-8	2293110	701047	5.00E-04	U	1.35E-02
GM-9A	2295539	702112	5.00E-04	U	1.07E-04
OSAA-1-S	2294330	708622	2.50E-04	U	1.06E-03
PIEZ-7S	2286292	698362	5.00E-04	U	1.04E-31
SA2-MW-10-S	2288446	698693	2.50E-04	U	4.56E-25
SA2-MW-1-S	2293339	705296	2.50E-04	U	9.82E-03
SA2-MW-2-S	2292977	704530	2.50E-04	U	1.33E-02

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TABLE 3F CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
cis-1,2-Dichloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	DCE Observed Concentration (mg/L)	Lab Qualifier	DCE Simulated Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
SA2-MW-3-S	2292107	705001	2.50E-04	U	1.91E-02
SA2-MW-5-S	2291017	700273	2.50E-04	U	8.29E-10
SA2-MW-9-S	2289080	699061	2.50E-04	U	2.96E-22
SA-O-2-S	2292314	702283	5.00E-04	U	3.01E-02
SA-O-3-S	2292127	702338	4.70E-02		9.35E-02
SA-O-4-S	2292007	701964	5.00E-04	U	8.90E-03
SA-P-1-S	2293873	705618	5.00E-04	U	5.22E-03
SA-P-2-S	2293446	705140	5.00E-04	U	7.54E-03
SA-P-3-S	2293614	704569	5.00E-04	U	4.85E-03
SA-Q-10-S	2288657	698220	5.00E-04	U	3.27E-27
SA-Q-11-S	2288151	698311	5.00E-04	U	9.58E-28
SA-Q-12-S	2288086	697995	5.00E-04	U	1.44E-29
SA-Q-13-S	2288093	697234	5.00E-04	U	9.19E-34
SA-Q-14-S	2287593	697661	5.00E-04	U	3.78E-32
SA-Q-15-S	2287393	697315	5.00E-04	U	6.89E-35
SA-Q-16-S	2287118	697613	5.00E-04	U	1.02E-33
SA-Q-5-S	2289554	700011	5.00E-04	U	1.05E-16
SA-Q-6-S	2289033	700433	5.00E-04	U	2.51E-16
SA-Q-7-S	2289470	699639	5.00E-04	U	7.85E-19
SA-Q-9-S	2288920	698693	5.00E-04	U	3.85E-24
SA-S-1-S	2291471	701874	6.90E-03		1.15E-03
SA-S-2-S	2291379	701731	5.00E-04	U	Dry
TCMW-2	2294810	699336	1.25E-03	U	1.69E-05
TCMW-3S	2294848	699582	1.25E-03	U	3.37E-03
TCMW-4	2294317	699507	1.25E-03	U	1.07E-04
TCMW-5S	2294327	699614	1.25E-03	U	1.82E-03
TCMW-6S	2293917	699642	1.25E-03	U	2.96E-04
UAA-10-S	2288938	698551	5.00E-04	U	Dry
UAA-11-S	2294603	705910	2.50E-04	U	1.28E-03
UAA-5-S	2294645	707932	5.00E-04	U	3.37E-04
UAA-6-S	2294980	705212	5.00E-04	U	4.71E-04
UAA-7-S	2291605	700343	5.00E-04	U	1.99E-07
UAA-8-S	2290412	700693	5.00E-04	U	Dry
UAA-9-S	2289920	699830	5.00E-04	U	Dry
			SHU (Layer 1 in Model) RMS Error (mg/L)		**0.02**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)		**0.006**

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TABLE 3F CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
cis-1,2-Dichloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	DCE Measured Concentration (mg/L)		DCE Predicted Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
AA-CLAY-1-M	2292216	703094	1.60E-02		1.01E-01
AA-CLAY-2-M	2292029	702612	1.20E+00		1.14E+00
AA-O-5-M	2291988	701441	2.90E-03		6.54E-03
AA-P-10-M	2292965	707034	2.50E-04	U	7.31E-03
AA-P-4-M	2293667	705938	5.00E-04	U	8.08E-03
AA-P-5-M	2292965	706178	5.00E-04	U	1.23E-02
AA-P-6-M	2291978	706643	5.00E-04	U	1.02E-02
AA-P-7-M	2293537	708624	5.00E-04	U	5.10E-04
AA-P-8-M	2292516	708964	5.00E-04	U	1.07E-04
AA-P-9-M	2293245	704449	5.00E-04	U	9.79E-03
AA-Q-10-M	2288018	697146	5.00E-04	U	2.46E-34
AA-Q-9-M	2289912	701235	5.00E-04	U	5.23E-09
AA-SLAY-1-M	2292817	704829	5.00E-04	U	1.52E-02
AA-SLAY-2-M	2292056	705202	5.00E-04	U	1.82E-02
AA-SLAY-3-M	2291368	705455	5.00E-04	U	1.40E-02
AA-SLAY-4-M	2291741	704624	5.00E-04	U	1.84E-02
CP-MW-18	2287909	696142	5.00E-04	U	0.00E+00
CP-MW-20	2288265	696769	5.00E-04	U	7.26E-36
CP-MW-22	2288923	697923	5.00E-04	U	3.08E-28
CP-MW-24	2289419	698714	5.00E-04	U	3.15E-23
EE-01	2295289	700157	4.60E-02		5.00E-02
GM-31B	2292928	701064	5.00E-04	U	9.22E-02
GM-3A	2293971	704005	5.00E-04	U	2.19E-03
GM-60B	2292362	703589	3.20E-03		2.93E-02
GM-9B	2295523	702120	1.00E-03	U	3.66E-04
OSAA-1-M	2294330	708622	2.50E-04	U	1.06E-03
PIEZ-7M	2286292	698362	1.60E-03	J	1.53E-31
PSMW-14M	2291997	706548	2.50E-04	U	1.16E-02
PSMW-15M	2291438	705483	2.50E-04	U	1.43E-02
PSMW-16M	2291113	704394	2.30E-03		1.09E-01
PSMW-8	2293543	702857	2.50E-04	U	3.71E-02
SA2-MW-10-M	2288442	698696	1.25E-03	U	4.56E-25
SA2-MW-1-M	2293340	705302	2.50E-04	U	9.82E-03
SA2-MW-2-M	2292979	704535	2.50E-04	U	1.33E-02
SA2-MW-3-M	2292109	704996	2.50E-04	U	1.91E-02
SA2-MW-4-M	2291893	702689	6.10E-01	D	1.21E+00
SA2-MW-5-M	2291015	700277	2.50E-04	U	8.29E-10
SA2-MW-6-M	2289601	700763	2.50E-04	U	1.30E-12
SA2-MW-7-M	2289033	700426	2.50E-04	U	7.47E-16
SA2-MW-9-M	2289080	699057	2.50E-04	U	2.96E-22
SA-O-1	2292907	702783	5.00E-04	U	5.01E-02
SA-Q-2	2289951	702294	5.00E-04	U	9.86E-04
SA-Q-3	2290079	701615	1.50E-03	J	1.87E-06

TABLE 3F CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
cis-1,2-Dichloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	DCE Measured Concentration (mg/L)		DCE Predicted Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
SA-Q-4	2289686	700977	5.00E-04	U	5.19E-11
SA-Q-8	2288111	699785	5.00E-04	U	1.06E-20
TCMW-1M	2295680	699277	1.25E-03	U	1.09E-07
TCMW-1S	2295681	699282	1.25E-03	U	1.09E-07
TCMW-3M	2294848	699588	1.25E-03	U	3.37E-03
TCMW-5M	2294328	699620	1.25E-03	U	1.82E-03
TCMW-6M	2293920	699648	1.25E-03	U	4.17E-04
UAA-10-M	2288938	698551	5.00E-04	U	6.03E-25
UAA-11-M	2294603	705910	1.60E-03		1.60E-03
UAA-5-M	2294645	707932	5.00E-04	U	1.78E-03
UAA-6-M	2294980	705212	5.00E-04	U	2.17E-04
UAA-7-M	2291605	700343	3.30E-03		1.43E-06
UAA-8-M	2290412	700693	5.00E-04	U	1.07E-09
UAA-9-M	2289920	699830	5.00E-04	U	1.35E-16
			MHU (Layer 2 in Model) RMS Error (mg/L)		**0.08**
			MHU (Layer 2 in Model) Mean Residual Error (mg/L)		**0.02**

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TABLE 3F CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
cis-1,2-Dichloroethene Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	DCE Measured Concentration (mg/L)		DCE Predicted Concentration (mg/L)
DHU (LAYER 3 IN MODEL)					
AA-CLAY-2-D	2292026	702612	9.60E+00		9.56E+00
AA-O-5-D	2291980	701438	1.70E-03	J	3.63E-03
AA-P-10-D	2292965	707034	8.90E-04	J	9.81E-03
AA-P-6-D	2291980	706642	1.00E-03	U	1.28E-02
AA-P-7-D	2293538	708624	5.00E-04	U	7.52E-04
AA-P-8-D	2292518	708965	5.00E-04	U	1.10E-04
AA-Q-10-D	2288018	697143	5.00E-04	U	2.99E-34
AA-Q-9-D	2289912	701236	5.00E-04	U	7.10E-09
AA-SLAY-3-D	2291367	705455	5.00E-04	U	1.66E-02
GM-17B	2294310	702673	1.00E-03	U	1.43E-02
GM-18B	2292996	701435	1.00E-03	U	4.31E-02
GM-19C	2292105	702309	1.40E-03	J	8.08E-02
GM-9C	2295527	702123	5.00E-04	U	1.94E-04
IMW-1I	2296764	700438	5.00E-04	U	1.78E-09
MW-5C	2293553	702888	3.90E-02		2.86E-02
OSAA-1-D	2294330	708622	2.50E-03		1.06E-03
PSMW-13	2291281	701517	2.50E-04	U	1.46E-04
PSMW-16D	2291113	704394	1.10E-02		2.44E-01
PSMW-6	2294214	705885	2.50E-04	U	4.30E-03
PSMW-7	2293955	704010	1.25E-03	U	2.27E-03
PSMW-9	2292455	700774	2.50E-04	U	5.08E-03
SA2-MW-2-D	2292981	704538	5.00E-04	U	1.55E-02
SA2-MW-4-D	2291893	702689	1.30E-02	J	-
UAA-10-D	2288936	698551	5.00E-04	U	6.98E-25
UAA-11-D	2294602	705909	2.10E-03		1.88E-03
UAA-6-D	2294979	705212	5.00E-04	U	2.22E-04
UAA-7-D	2291605	700341	5.00E-04	U	7.27E-07
UAA-8-D	2290410	700690	5.00E-04	U	7.08E-10
UAA-9-D	2289916	699830	5.00E-04	U	1.00E-16
			DHU (Layer 3 in Model) RMS Error (mg/L)		**0.05**
			DHU (Layer 3 in Model) Mean Residual Error (mg/L)		**0.01**

Overall RMS error (mg/L)	**0.06**
Overall Mean Residual error (mg/L)	**0.01**

Notes:
1. All coordinates in State Plane feet, Illinois West, NAD 1983.
2. For non-detects, values equal to half the detection limit were used for the calculation of Mean Residu and RMS errors.
   Dry = Well lies in model dry cell
   Mg/L = Milligram per liter
   RMS = Root mean square error

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TABLE 3G
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Vinyl Chloride Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	VC Measured Concentration (mg/L)	Lab Qualifier	VC Predicted Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
AA-CLAY-1-S	2292216	703094	5.00E-04	U	Dry
AA-CLAY-2-S	2292029	702612	5.10E-01		Dry
AA-O-5-S	2291988	701441	2.50E-04	U	1.99E-04
AA-P-10-S	2292965	707034	2.50E-04	U	9.69E-03
AA-P-4-S	2293667	705938	2.50E-04	U	1.71E-02
AA-P-6-S	2291978	706643	2.50E-04	U	2.21E-02
AA-P-7-S	2293537	708624	2.50E-04	U	2.55E-04
AA-P-9-S	2293245	704449	2.50E-04	U	Dry
AA-Q-10-S	2288018	697146	2.50E-04	U	Dry
AA-Q-9-S	2289912	701235	2.50E-04	U	Dry
AA-SLAY-1-S	2292817	704829	2.50E-04	U	Dry
AA-SLAY-2-S	2292056	705202	2.50E-04	U	2.22E-02
B-22A	2291090	704158	2.50E-03	U	Dry
B-28A	2290369	702643	5.00E-04	U	1.29E-02
B-29B	2290793	702429	2.50E-03	U	Dry
CA-3	2297021	702413	2.50E-04	U	7.08E-11
CP-MW-10-S	2290148	698021	2.50E-04	U	2.48E-25
CP-MW-12-S	2289192	697495	2.50E-04	U	1.08E-29
CP-MW-16-S	2289579	696182	2.50E-04	U	2.86E-36
CP-MW-6-S	2292546	698639	2.50E-04	U	8.92E-17
CP-MW-7-S	2291605	698213	2.50E-04	U	1.01E-20
EE-03	2295550	699820	2.50E-04	U	2.82E-05
GM-1	2298057	703323	2.50E-04	U	4.61E-15
GM-11	2297207	704134	2.50E-04	U	1.05E-09
GM-15	2296750	703149	2.50E-04	U	2.59E-09
GM-18A	2293001	701458	2.50E-04	U	2.68E-02
GM-19A	2292087	702314	1.80E-03		6.54E-02
GM-31A	2292910	701062	2.50E-04	U	1.85E-03
GM-46	2296000	702927	2.50E-04	U	1.42E-06
GM-4A	2294467	703403	2.50E-04	U	3.49E-03
GM-59A	2292805	701056	2.50E-04	U	1.36E-02
GM-5A	2293555	702897	2.50E-04	U	1.24E-01
GM-60A	2292356	703578	2.50E-04	U	1.28E-01
GM-6A	2294131	702060	1.00E-03	U	6.12E-02
GM-7A	2293241	701902	2.50E-04	U	1.13E-01
GM-8	2293110	701047	2.50E-04	U	2.72E-03
GM-9A	2295539	702112	2.50E-04	U	3.01E-04
OSAA-1-S	2294330	708622	2.50E-04	U	6.75E-03
PIEZ-7S	2286292	698362	2.50E-04	U	1.98E-31
SA2-MW-10-S	2288446	698693	2.50E-04	U	6.52E-25
SA2-MW-1-S	2293339	705296	2.50E-04	U	5.30E-02
SA2-MW-2-S	2292977	704530	2.50E-04	U	6.75E-02

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TABLE 3G CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Vinyl Chloride Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	VC Measured Concentration (mg/L)	Lab Qualifier	VC Predicted Concentration (mg/L)
SHU (LAYER 1 IN MODEL)					
SA2-MW-3-S	2292107	705001	2.50E-04	U	9.78E-02
SA2-MW-5-S	2291017	700273	2.50E-04	U	1.72E-10
SA2-MW-9-S	2289080	699061	2.50E-04	U	3.95E-22
SA-O-2-S	2292314	702283	2.50E-04	U	6.67E-02
SA-O-3-S	2292127	702338	2.50E-04	U	1.25E-01
SA-O-4-S	2292007	701964	2.50E-04	U	9.34E-03
SA-P-1-S	2293873	705618	2.50E-04	U	2.90E-02
SA-P-2-S	2293446	705140	2.50E-04	U	4.05E-02
SA-P-3-S	2293614	704569	2.50E-04	U	2.53E-02
SA-Q-10-S	2288657	698220	2.50E-04	U	4.73E-27
SA-Q-11-S	2288151	698311	2.50E-04	U	1.44E-27
SA-Q-12-S	2288086	697995	2.50E-04	U	2.24E-29
SA-Q-13-S	2288093	697234	2.50E-04	U	1.55E-33
SA-Q-14-S	2287593	697661	1.20E-03		6.36E-32
SA-Q-15-S	2287393	697315	2.50E-04	U	1.28E-34
SA-Q-16-S	2287118	697613	2.50E-04	U	1.87E-33
SA-Q-5-S	2289554	700011	2.50E-04	U	1.11E-16
SA-Q-6-S	2289033	700433	9.30E-04	J	3.30E-16
SA-Q-7-S	2289470	699639	2.50E-04	U	9.70E-19
SA-Q-9-S	2288920	698693	2.50E-04	U	5.28E-24
SA-S-1-S	2291471	701874	5.00E-04	U	9.04E-04
SA-S-2-S	2291379	701731	2.50E-04	U	Dry
TCMW-2	2294810	699336	2.50E-03	U	Dry
TCMW-3S	2294848	699582	2.50E-03	U	Dry
TCMW-4	2294317	699507	2.50E-03	U	Dry
TCMW-5S	2294327	699614	2.50E-03	U	Dry
TCMW-6S	2293917	699642	2.50E-03	U	Dry
UAA-10-S	2288938	698551	2.50E-04	U	Dry
UAA-11-S	2294603	705910	2.50E-04	U	7.16E-03
UAA-5-S	2294645	707932	2.50E-04	U	2.00E-03
UAA-6-S	2294980	705212	2.50E-04	U	2.58E-03
UAA-7-S	2291605	700343	2.50E-04	U	3.63E-08
UAA-8-S	2290412	700693	2.50E-04	U	Dry
UAA-9-S	2289920	699830	2.50E-04	U	Dry
			SHU (Layer 1 in Model) RMS Error (mg/L)		**0.04**
			SHU (Layer 1 in Model) Mean Residual Error (mg/L)		**0.02**

GSI ENVIRONMENTAL

TABLE 3G CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Vinyl Chloride Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	VC Measured Concentration (mg/L)	Lab Qualifier	VC Predicted Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
AA-CLAY-1-M	2292216	703094	9.60E-03		1.66E-01
AA-CLAY-2-M	2292029	702612	1.40E+00		1.26E+00
AA-O-5-M	2291988	701441	2.50E-04	U	1.54E-03
AA-P-10-M	2292965	707034	2.50E-04	U	4.26E-02
AA-P-4-M	2293667	705938	2.50E-04	U	4.53E-02
AA-P-5-M	2292965	706178	2.50E-04	U	6.91E-02
AA-P-6-M	2291978	706643	2.50E-04	U	6.00E-02
AA-P-7-M	2293537	708624	2.50E-04	U	3.09E-03
AA-P-8-M	2292516	708964	2.50E-04	U	6.70E-04
AA-P-9-M	2293245	704449	2.50E-04	U	4.97E-02
AA-Q-10-M	2288018	697146	2.50E-04	U	4.22E-34
AA-Q-9-M	2289912	701235	2.50E-04	U	3.38E-09
AA-SLAY-1-M	2292817	704829	2.50E-04	U	7.82E-02
AA-SLAY-2-M	2292056	705202	2.50E-04	U	9.49E-02
AA-SLAY-3-M	2291368	705455	2.50E-04	U	7.45E-02
AA-SLAY-4-M	2291741	704624	2.50E-04	U	8.68E-02
CP-MW-18	2287909	696142	2.50E-04	U	7.92E-40
CP-MW-20	2288265	696769	2.50E-04	U	1.27E-35
CP-MW-22	2288923	697923	2.50E-04	U	4.42E-28
CP-MW-24	2289419	698714	2.50E-04	U	4.14E-23
GM-31B	2292928	701064	2.50E-04	U	1.63E-02
GM-3A	2293971	704005	2.50E-04	U	1.10E-02
GM-60B	2292362	703589	1.70E-03		1.28E-01
GM-9B	2295523	702120	5.00E-04	U	9.93E-04
IMW-1S	2296767	700427	1.25E-03	U	1.14E-08
OSAA-1-M	2294330	708622	2.50E-04	U	6.75E-03
PIEZ-7M	2286292	698362	9.60E-04	J	2.71E-31
PSMW-14M	2291997	706548	2.50E-04	U	6.77E-02
PSMW-15M	2291438	705483	2.50E-04	U	7.56E-02
PSMW-16M	2291113	704394	2.50E-04	U	8.09E-02
PSMW-8	2293543	702857	4.20E-03		1.38E-01
SA2-MW-10-M	2288442	698696	1.25E-03	U	6.52E-25
SA2-MW-1-M	2293340	705302	2.50E-04	U	5.30E-02
SA2-MW-2-M	2292979	704535	2.50E-04	U	6.75E-02
SA2-MW-3-M	2292109	704996	2.50E-04	U	9.78E-02
SA2-MW-5-M	2291015	700277	2.50E-04	U	1.72E-10
SA2-MW-6-M	2289601	700763	2.50E-04	U	8.90E-13
SA2-MW-7-M	2289033	700426	2.50E-04	U	8.33E-16
SA2-MW-9-M	2289080	699057	2.50E-04	U	3.95E-22
SA-O-1	2292907	702783	2.50E-04	U	1.92E-01
SA-Q-2	2289951	702294	2.50E-04	U	5.36E-04
SA-Q-3	2290079	701615	2.50E-04	U	1.15E-06
SA-Q-4	2289686	700977	2.50E-04	U	3.50E-11

TABLE 3G CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Vinyl Chloride Observed Vs. Simulated Concentrations

Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	VC Measured Concentration (mg/L)	Lab Qualifier	VC Predicted Concentration (mg/L)
MHU (LAYER 2 IN MODEL)					
SA-Q-8	2288111	699785	2.50E-04	U	1.52E-20
TCMW-1S	2295681	699282	2.50E-03	U	1.54E-08
UAA-10-M	2288938	698551	2.50E-04	U	8.32E-25
UAA-11-M	2294603	705910	2.50E-04	U	9.09E-03
UAA-5-M	2294645	707932	2.50E-04	U	1.05E-02
UAA-6-M	2294980	705212	2.50E-04	U	1.22E-03
UAA-7-M	2291605	700343	2.50E-04	U	2.57E-07
UAA-8-M	2290412	700693	2.50E-04	U	3.34E-10
UAA-9-M	2289920	699830	2.50E-04	U	1.25E-16
				MHU (Layer 2 in Model) RMS Error (mg/L)	**0.06**
				MHU (Layer 2 in Model) Mean Residual Error (mg/L)	**0.03**

GSI ENVIRONMENTAL

TABLE 3G CONT'D
GROUNDWATER FATE AND TRANSPORT MODEL CALIBRATION RESULTS
Vinyl Chloride Observed Vs. Simulated Concentrations

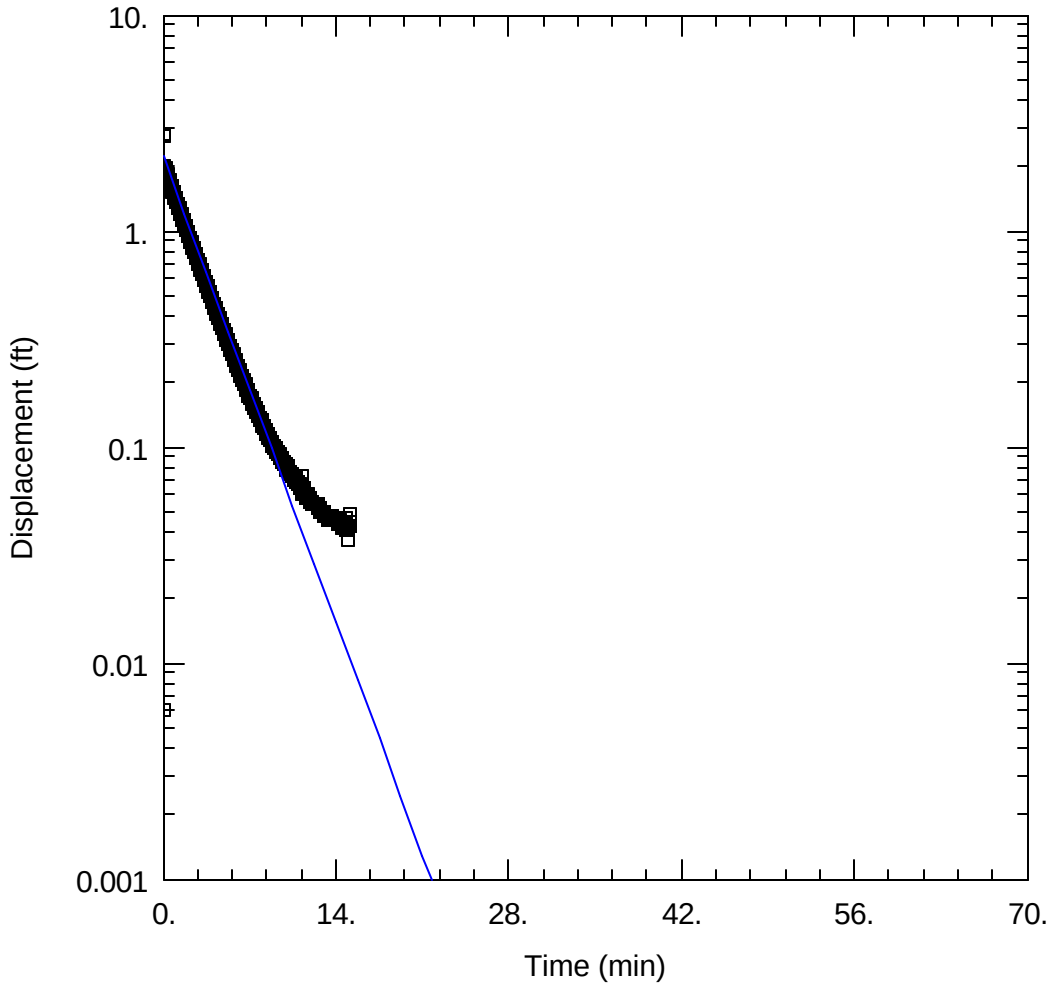
Regional Groundwater Fate and Transport Model
American Bottoms Aquifer

Well	X-Model	Y-Model	VC Measured Concentration (mg/L)	Lab Qualifier	VC Predicted Concentration (mg/L)
DHU (LAYER 3 IN MODEL)					
AA-CLAY-2-D	2292026	702612	9.60E-02	J	3.27E-01
AA-O-5-D	2291980	701438	2.50E-04	U	1.27E-03
AA-P-10-D	2292965	707034	2.50E-04	U	6.06E-02
AA-P-5-D	2292966	706179	1.25E-03	U	9.50E-02
AA-P-6-D	2291980	706642	5.00E-04	U	7.76E-02
AA-P-7-D	2293538	708624	2.50E-04	U	4.79E-03
AA-P-8-D	2292518	708965	2.50E-04	U	7.01E-04
AA-Q-10-D	2288018	697143	2.50E-04	U	5.14E-34
AA-Q-9-D	2289912	701236	2.50E-04	U	4.01E-09
AA-SLAY-2-D	2292057	705200	1.25E-03	U	1.31E-01
AA-SLAY-3-D	2291367	705455	2.50E-04	U	9.66E-02
GM-17B	2294310	702673	5.00E-04	U	1.30E-01
GM-18B	2292996	701435	5.00E-04	U	3.34E-02
GM-19C	2292105	702309	3.20E-03		7.33E-02
GM-27C	2290906	704326	4.10E-02		1.67E-01
GM-6B	2294135	702076	6.90E-01		5.67E-01
GM-9C	2295527	702123	2.50E-04	U	2.34E-03
IMW-1I	2296764	700438	2.50E-04	U	2.54E-08
MW-5C	2293553	702888	1.10E-01		2.24E-01
OSAA-1-D	2294330	708622	2.50E-04	U	6.75E-03
PSMW-12	2292347	703599	3.50E-02		1.92E-01
PSMW-13	2291281	701517	2.50E-04	U	7.71E-05
PSMW-16D	2291113	704394	1.30E-02		1.28E-01
PSMW-6	2294214	705885	2.50E-04	U	2.63E-02
PSMW-7	2293955	704010	1.25E-03	U	1.40E-02
PSMW-9	2292455	700774	2.50E-04	U	9.05E-04
SA2-MW-2-D	2292981	704538	5.00E-04	U	9.41E-02
UAA-10-D	2288936	698551	2.50E-04	U	9.67E-25
UAA-11-D	2294602	705909	2.50E-04	U	1.16E-02
UAA-6-D	2294979	705212	2.50E-04	U	1.36E-03
UAA-7-D	2291605	700341	2.50E-04	U	1.33E-07
UAA-8-D	2290410	700690	2.50E-04	U	2.84E-10
UAA-9-D	2289916	699830	2.50E-04	U	1.01E-16
			DHU (Layer 3 in Model) RMS Error (mg/L)		**0.08**
			DHU (Layer 3 in Model) Mean Residual Error (mg/L)		**0.04**
			Overall RMS error (mg/L)		**0.06**
			Overall Mean Residual error (mg/L)		**0.03**

Notes:
1. All coordinates in State Plane feet, Illinois West, NAD 1983.
2. For non-detects, values equal to half the detection limit were used for the calculation of Mean Residual and RMS errors.
   Dry = Well lies in model dry cell
   Mg/L = Milligram per liter
   RMS = Root mean square error

APPENDIX O

SLUG TEST FORMS



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\BDRK-O-1(IN).aqt
Date: 11/07/03 Time: 07:58:28

PROJECT INFORMATION

Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/9/02

AQUIFER DATA

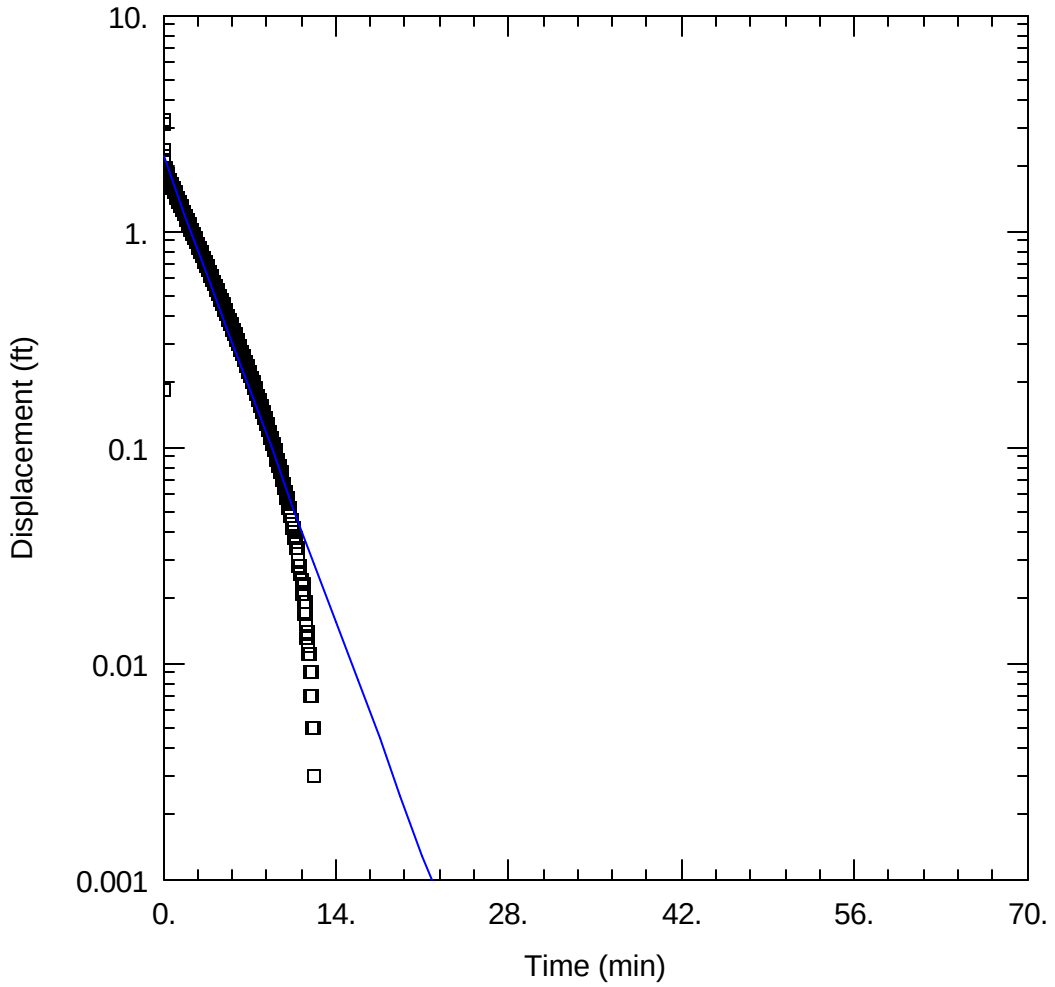
Saturated Thickness: 8. ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (BDRK-O-1)

Initial Displacement: 2.799 ft
Water Column Height: 133.6 ft
Casing Radius: 0.083 ft
Wellbore Radius: 0.25 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.003156 ft/min
y0 = 2.214 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\BDRK-O-1(OUT).aqt
Date: 11/07/03 Time: 07:58:23

PROJECT INFORMATION

Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/9/02

AQUIFER DATA

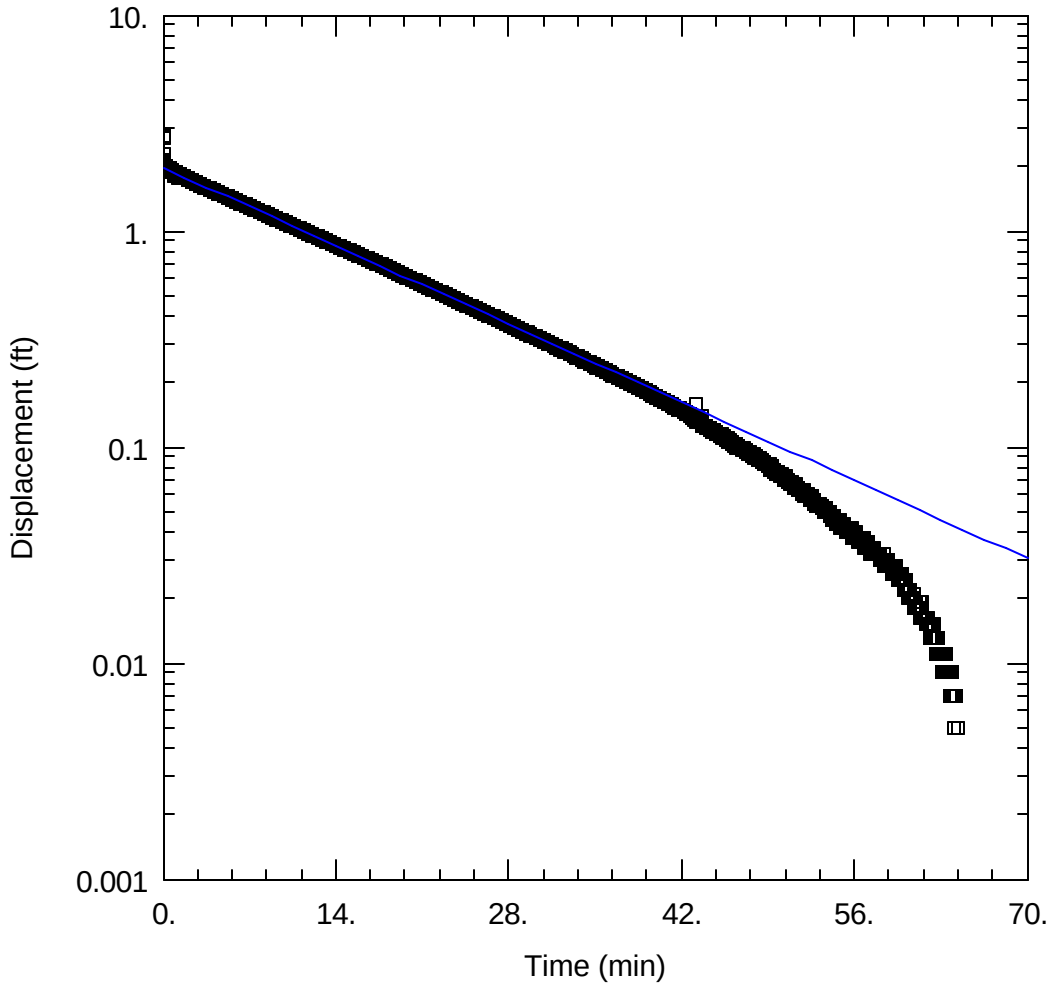
Saturated Thickness: 8. ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (BDRK-O-1)

Initial Displacement: 2.356 ft
Water Column Height: 133.6 ft
Casing Radius: 0.083 ft
Wellbore Radius: 0.25 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.003156 ft/min
y0 = 2.214 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\BDRK-Q-1(IN).aqt
Date: 11/07/03 Time: 07:58:17

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/10/02

AQUIFER DATA

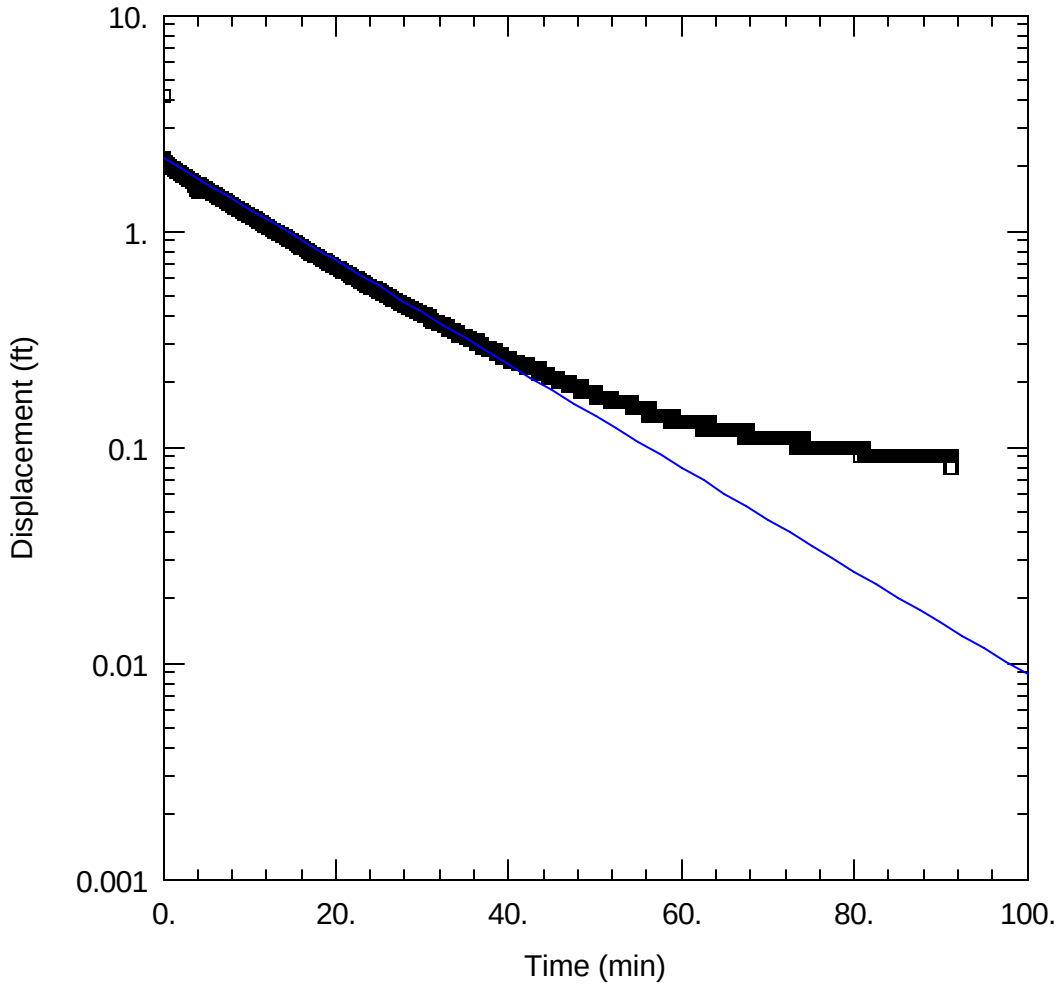
Saturated Thickness: 8. ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (BDRK-Q-1)

Initial Displacement: 2.776 ft Water Column Height: 126.3 ft
Casing Radius: 0.083 ft Wellbore Radius: 0.25 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0005269 ft/min y0 = 1.968 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\BDRK-Q-1(OUT).aqt
Date: 11/07/03 Time: 07:58:08

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/10/02

AQUIFER DATA

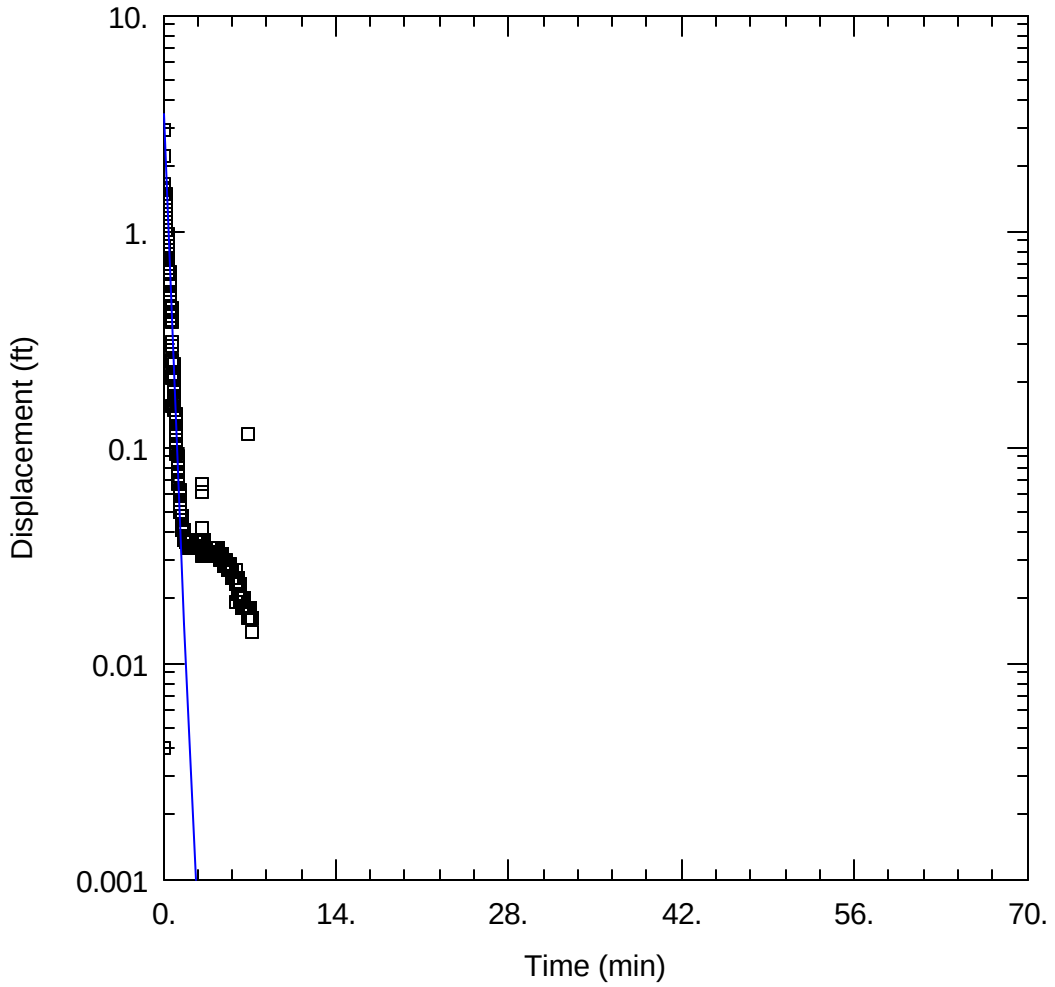
Saturated Thickness: 8. ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (BDRK-Q-1)

Initial Displacement: 4.21 ft Water Column Height: 126.3 ft
Casing Radius: 0.083 ft Wellbore Radius: 0.25 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0004877 ft/min y0 = 2.192 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\BDRK-Q-2(IN).aqt
Date: 11/07/03 Time: 07:57:59

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/9/02

AQUIFER DATA

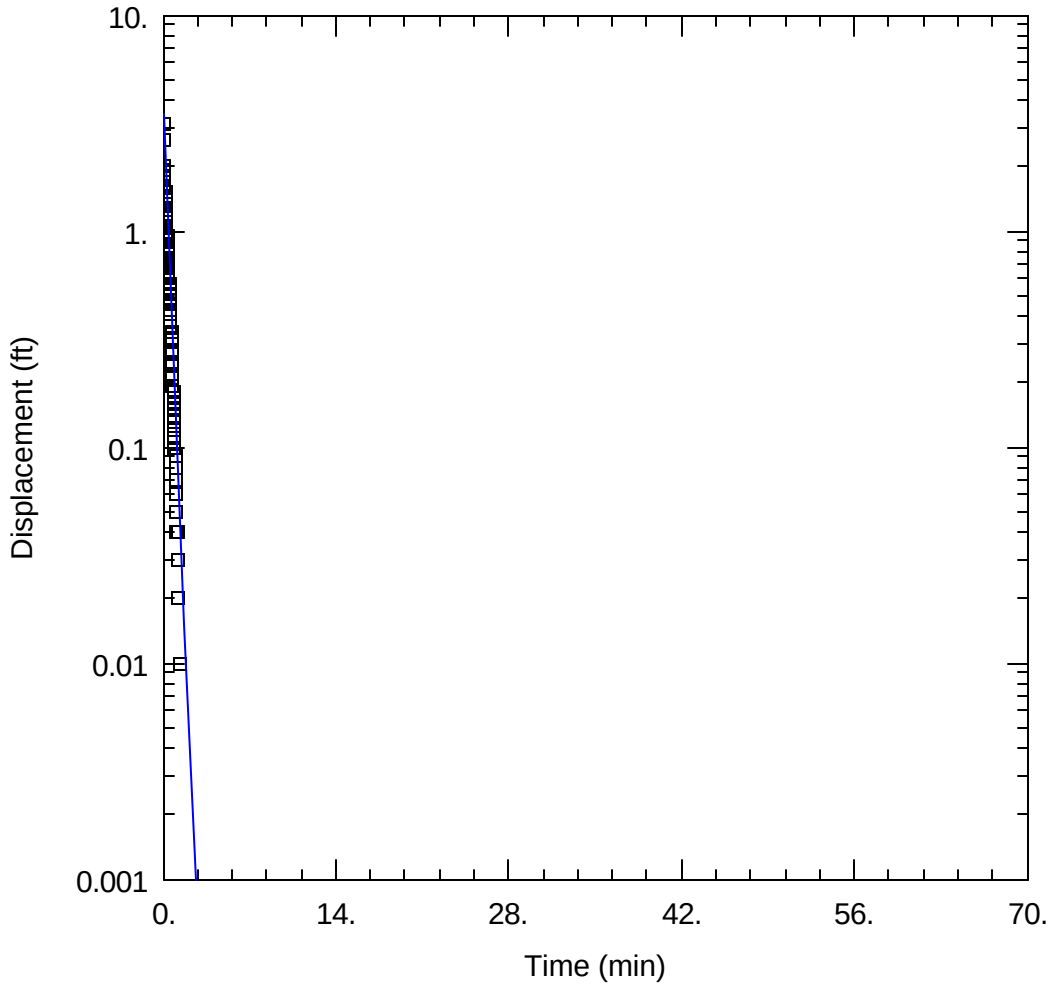
Saturated Thickness: 8. ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (BDRK-Q-2)

Initial Displacement: 2.916 ft Water Column Height: 123.4 ft
Casing Radius: 0.083 ft Wellbore Radius: 0.25 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0274 ft/min y0 = 3.502 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\BDRK-Q-2(OUT).aqt
Date: 11/07/03 Time: 07:57:38

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/9/02

AQUIFER DATA

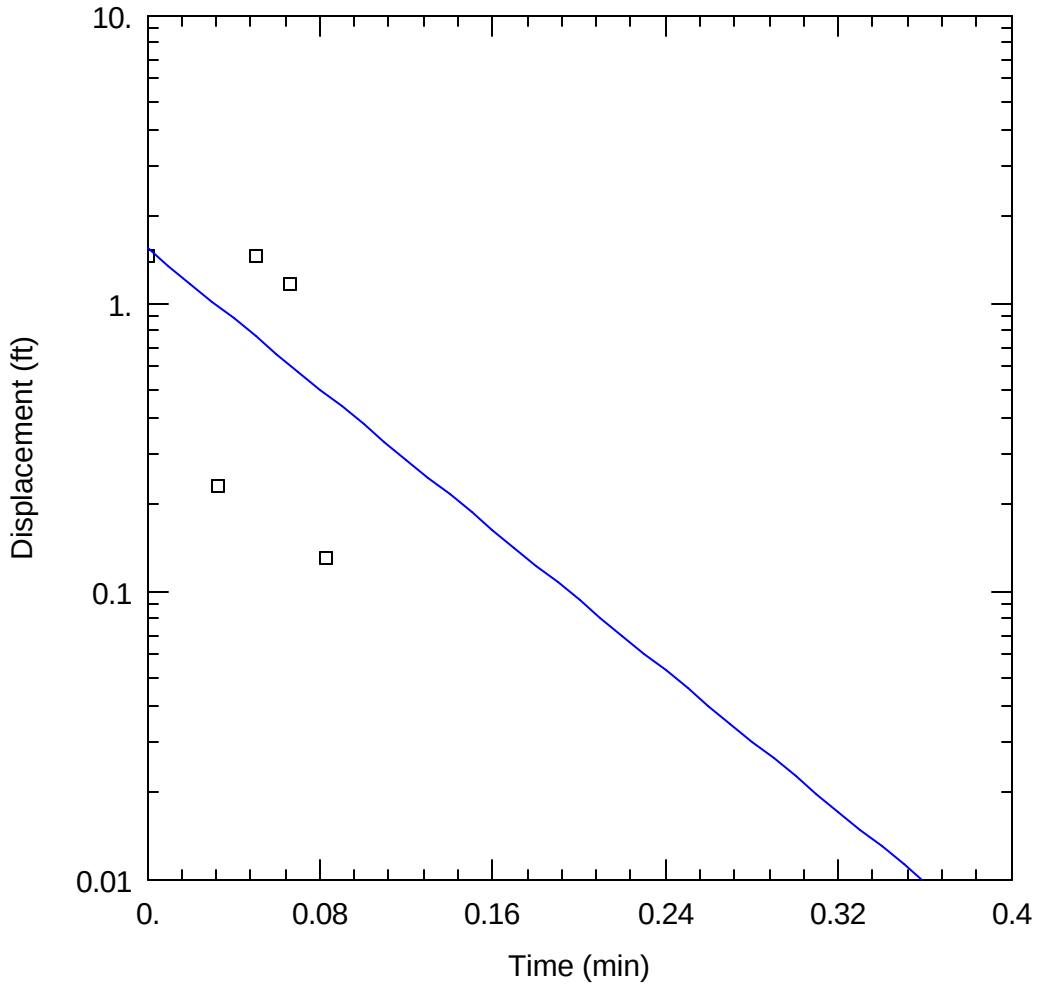
Saturated Thickness: 8. ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (BDRK-Q-2)

Initial Displacement: 3.15 ft
Water Column Height: 123.4 ft
Casing Radius: 0.083 ft
Wellbore Radius: 0.25 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0274 ft/min
y0 = 3.502 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\BDRK-R-1(IN).aqt
Date: 11/07/03 Time: 08:01:37

PROJECT INFORMATION

Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

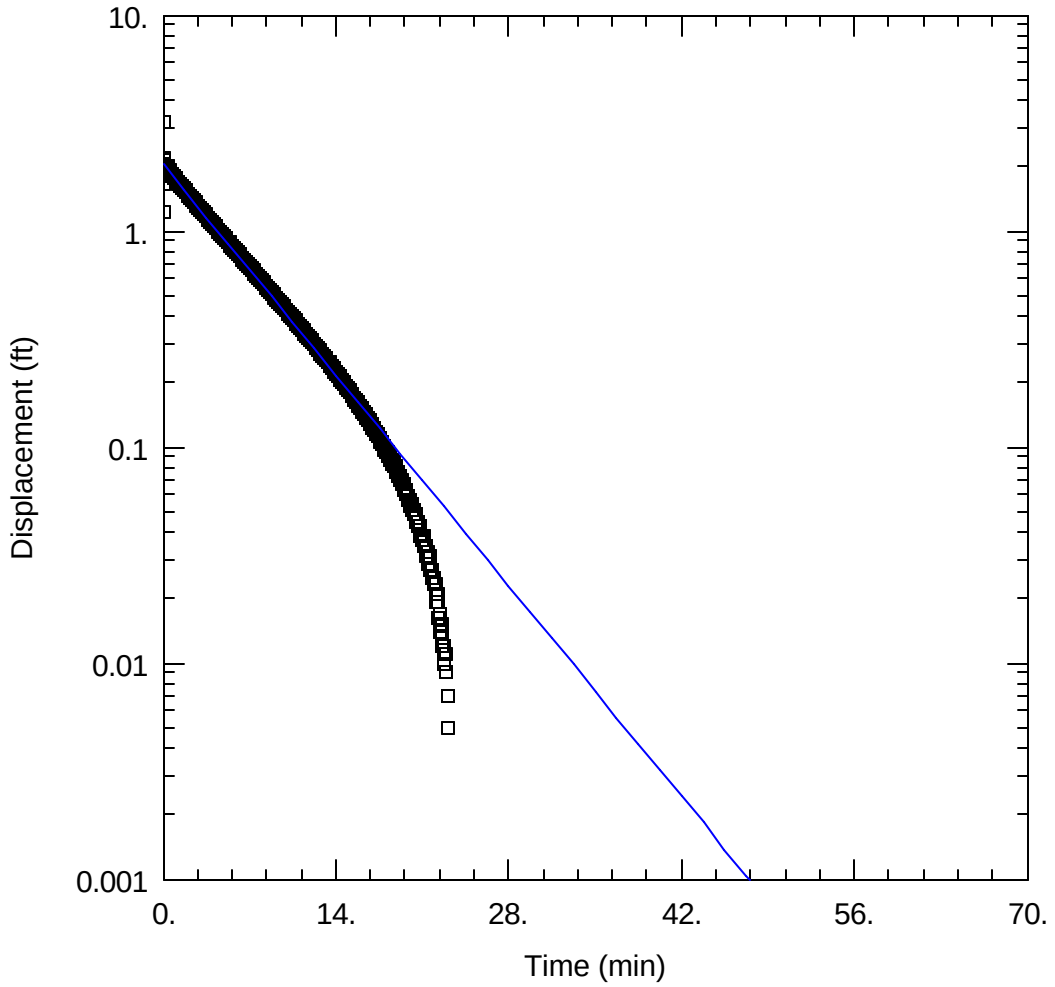
Saturated Thickness: 98.5 ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PZ-9)

Initial Displacement: 1.45 ft
Water Column Height: 98.19 ft
Casing Radius: 0.042 ft
Wellbore Radius: 0.33 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.07978 ft/min
y0 = 1.545 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\BDRK-S-1(IN).aqt
Date: 11/07/03 Time: 08:01:32

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/10/02

AQUIFER DATA

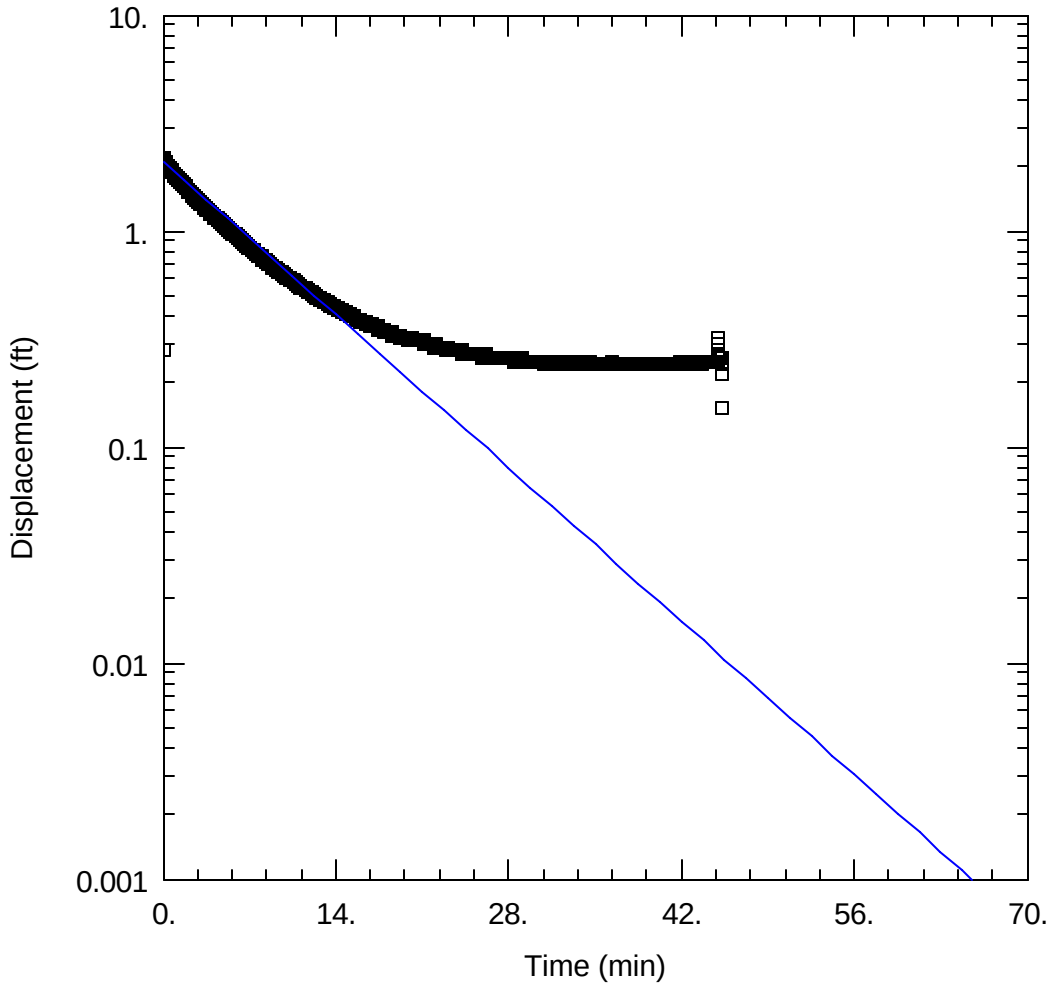
Saturated Thickness: 8. ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (BDRK-S-1)

Initial Displacement: 3.186 ft
Water Column Height: 140.2 ft
Casing Radius: 0.083 ft
Wellbore Radius: 0.25 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.001434 ft/min
y0 = 2.033 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\BDRK-S-1(OUT).aqt
Date: 11/07/03 Time: 08:00:47

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/10/02

AQUIFER DATA

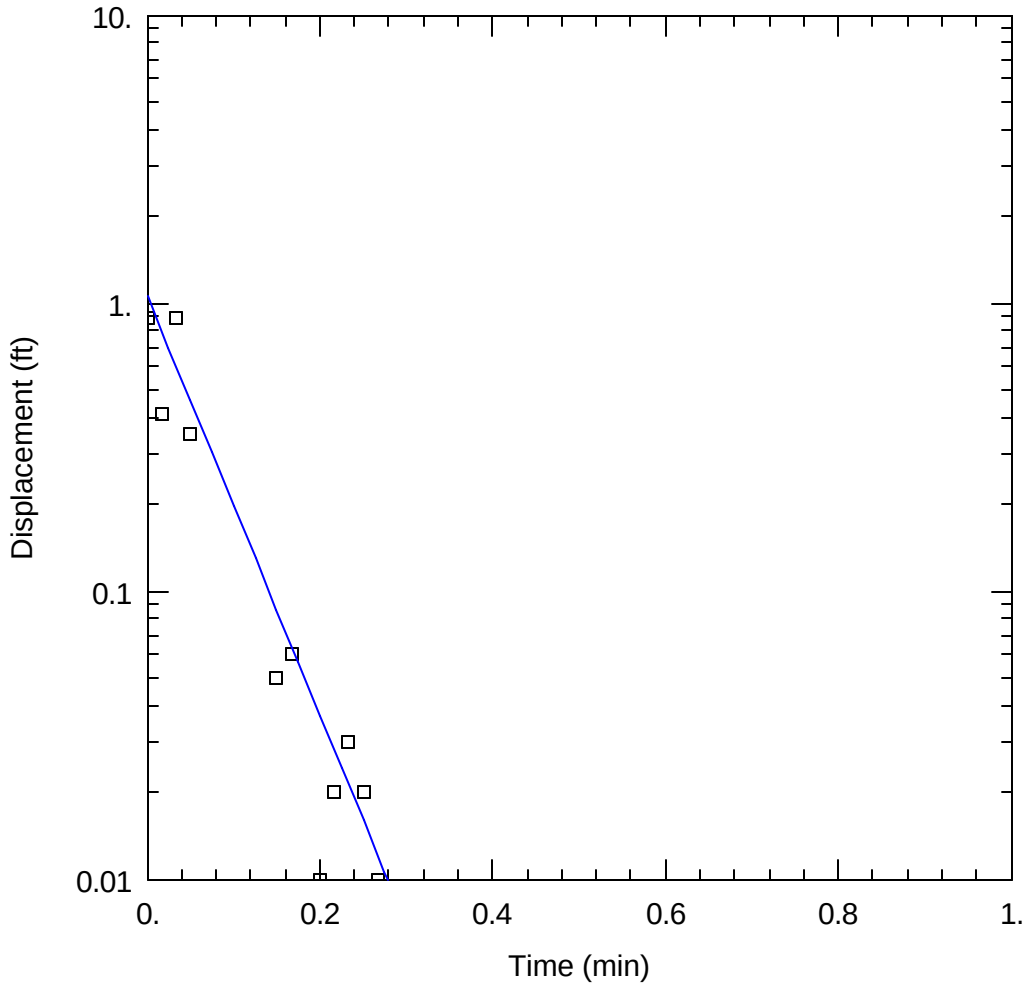
Saturated Thickness: 8. ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (BDRK-S-1)

Initial Displacement: 2.18 ft
Water Column Height: 140.2 ft
Casing Radius: 0.083 ft
Wellbore Radius: 0.25 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.001044 ft/min
y0 = 2.098 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-1 (Middle IN).aqt
Date: 11/07/03 Time: 08:00:26

PROJECT INFORMATION

Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

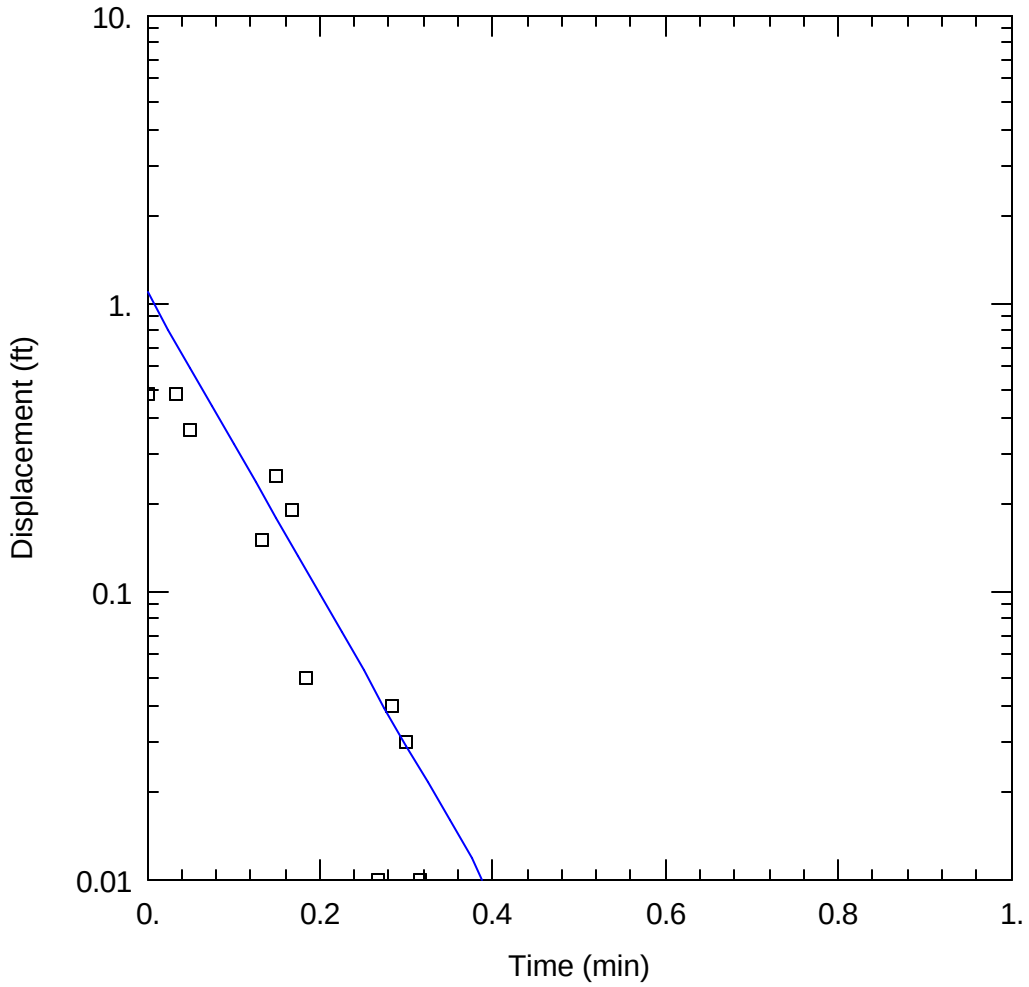
Saturated Thickness: 101.1 ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-1(M))

Initial Displacement: 0.88 ft
Water Column Height: 51.08 ft
Casing Radius: 0.042 ft
Wellbore Radius: 0.33 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.07298 ft/min
y0 = 1.064 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-1 (Middle OUT).aqt
Date: 11/07/03 Time: 08:00:21

PROJECT INFORMATION

Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

Saturated Thickness: 101.1 ft Anisotropy Ratio (Kz/Kr): 0.5

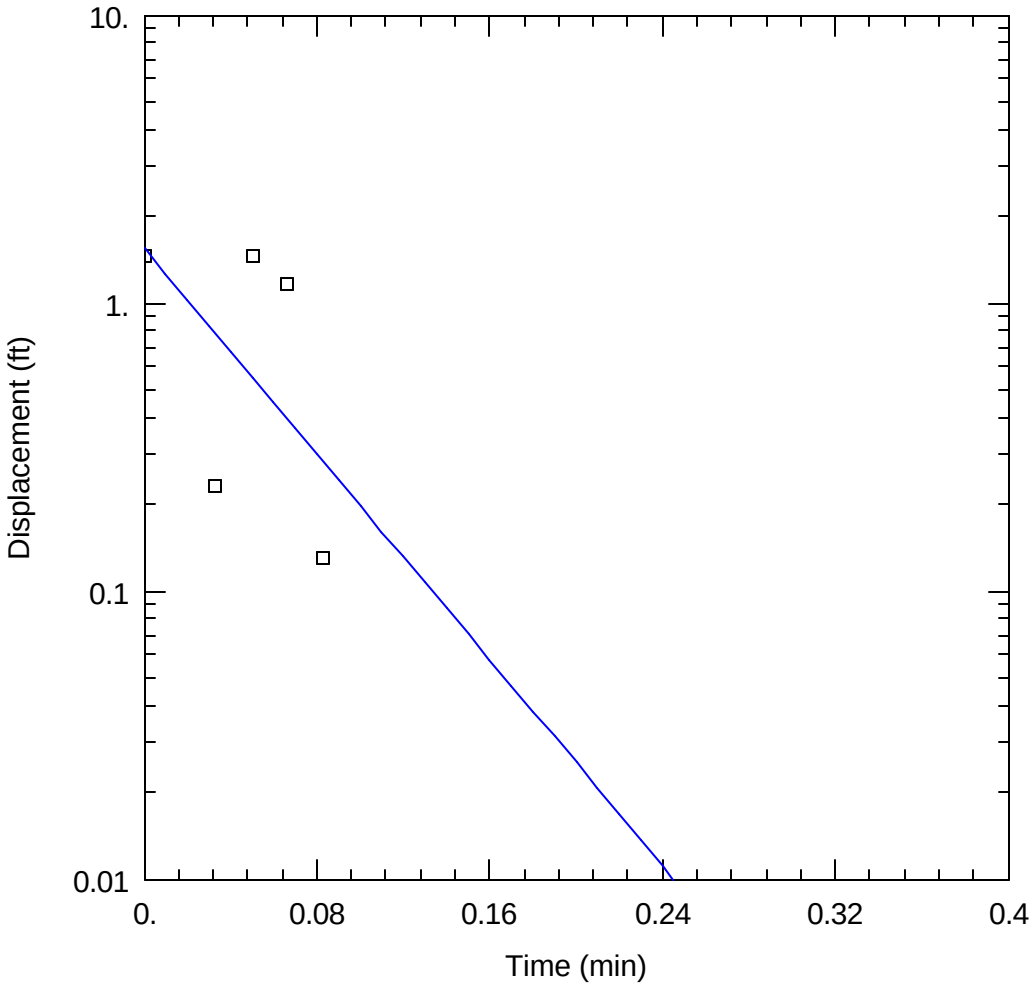
WELL DATA (PIEZ-1(M))

Initial Displacement: 0.48 ft Water Column Height: 51.08 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.05243 ft/min y0 = 1.087 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-1 (Deep IN).aqt
Date: 11/07/03 Time: 08:00:37

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

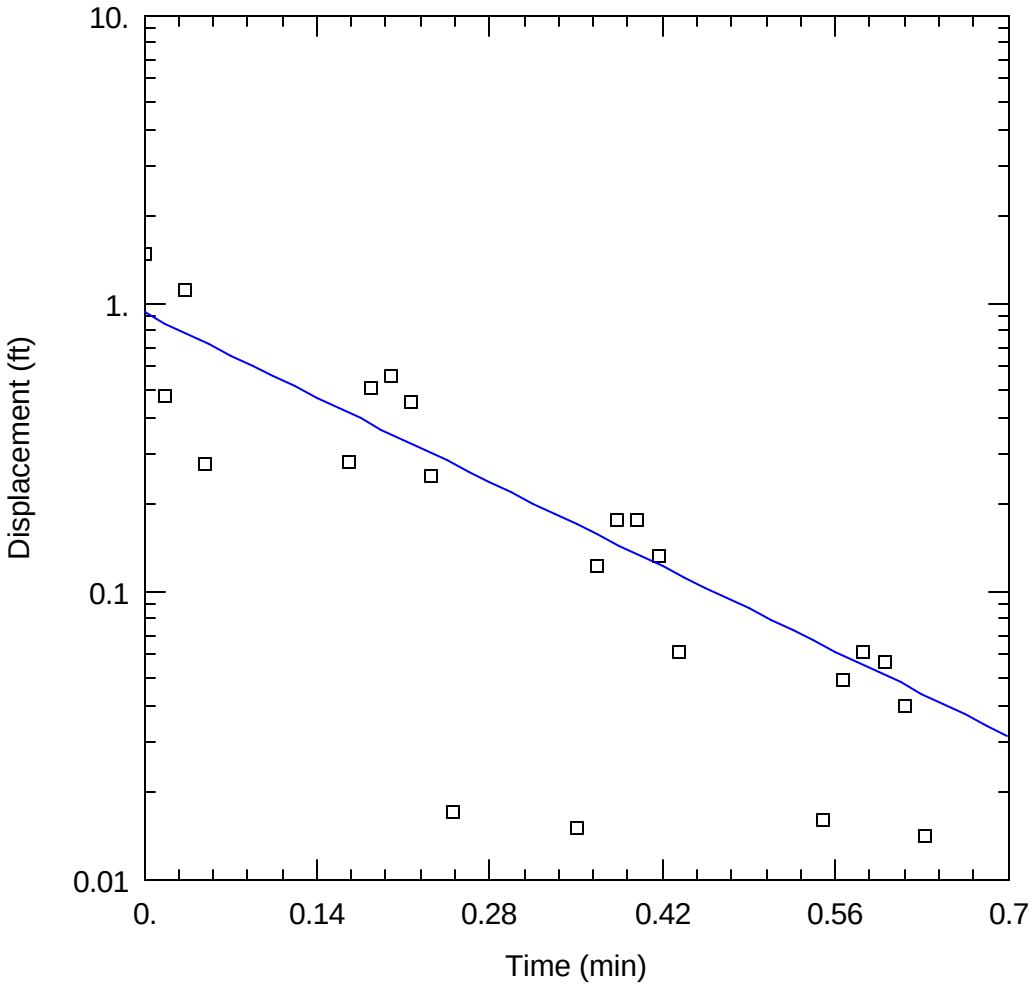
Saturated Thickness: 101.1 ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-1(D))

Initial Displacement: 1.45 ft
Water Column Height: 101.1 ft
Casing Radius: 0.042 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.07772 ft/min
y0 = 1.545 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-1 (Deep OUT).aqt
Date: 11/07/03 Time: 08:00:32

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

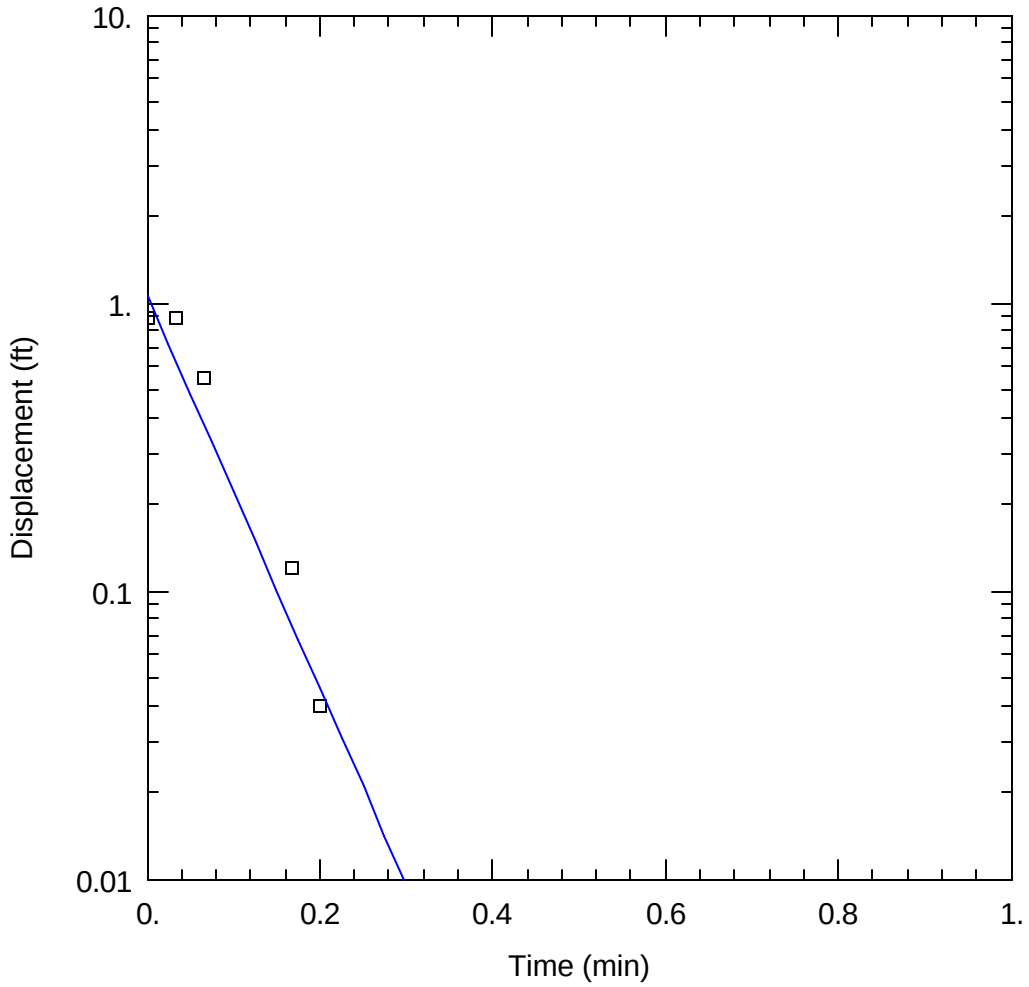
Saturated Thickness: 101.1 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-1(D))

Initial Displacement: 1.473 ft Water Column Height: 101.1 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.01828 ft/min y0 = 0.9252 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-2 (Middle IN).aqt
Date: 11/07/03 Time: 08:00:04

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

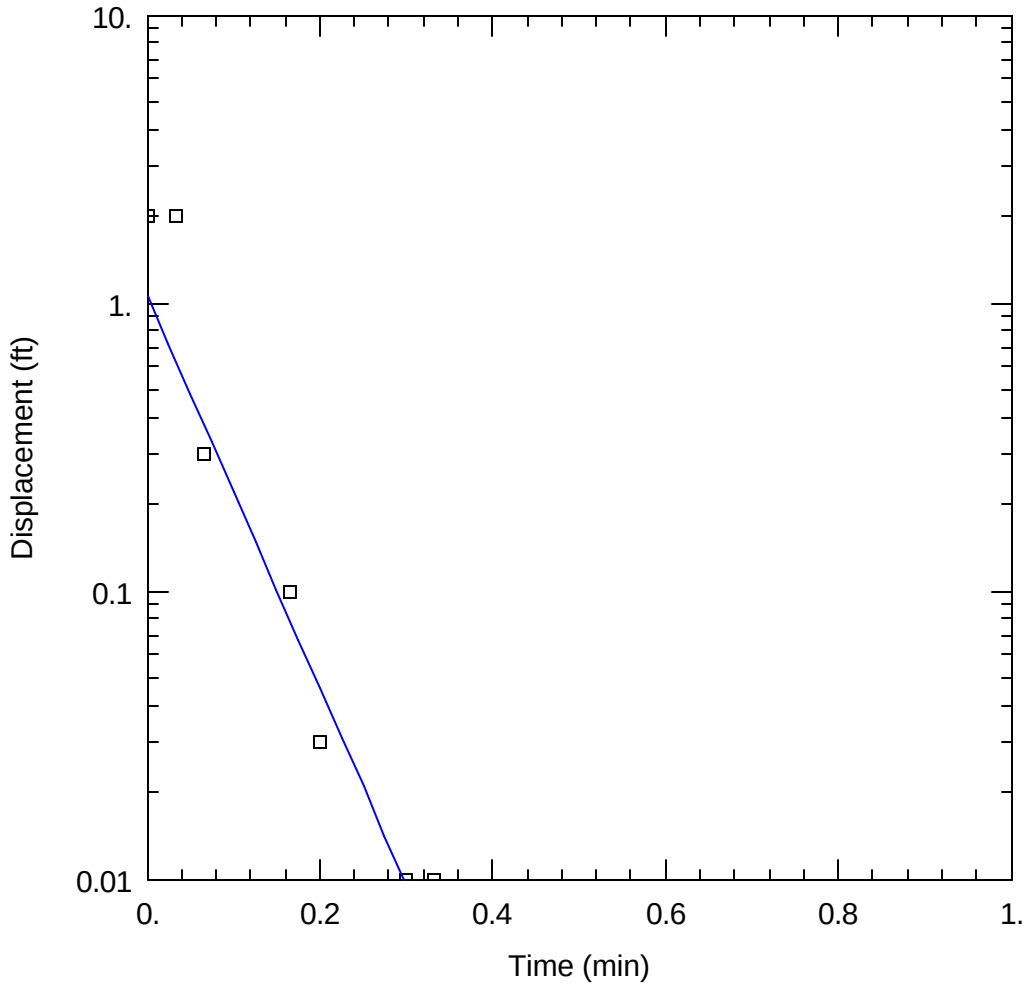
Saturated Thickness: 108.8 ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-2(M))

Initial Displacement: 0.89 ft
Water Column Height: 49.84 ft
Casing Radius: 0.042 ft
Wellbore Radius: 0.33 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.06778 ft/min
y0 = 1.064 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-2 (Middle OUT).aqt
Date: 11/07/03 Time: 07:59:59

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

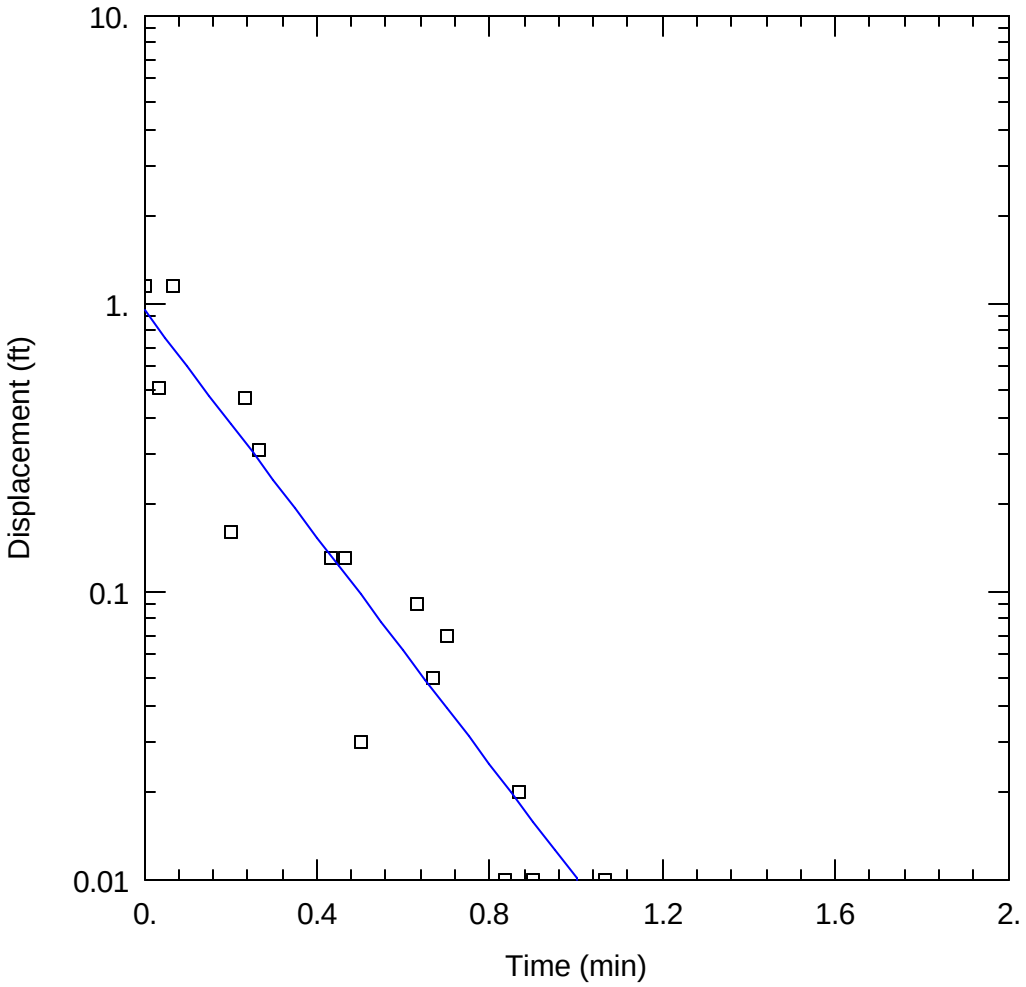
Saturated Thickness: 108.8 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-2(M))

Initial Displacement: 2.01 ft Water Column Height: 49.84 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.06778 ft/min y0 = 1.064 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-2 (Deep IN).aqt
Date: 11/07/03 Time: 08:00:16

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

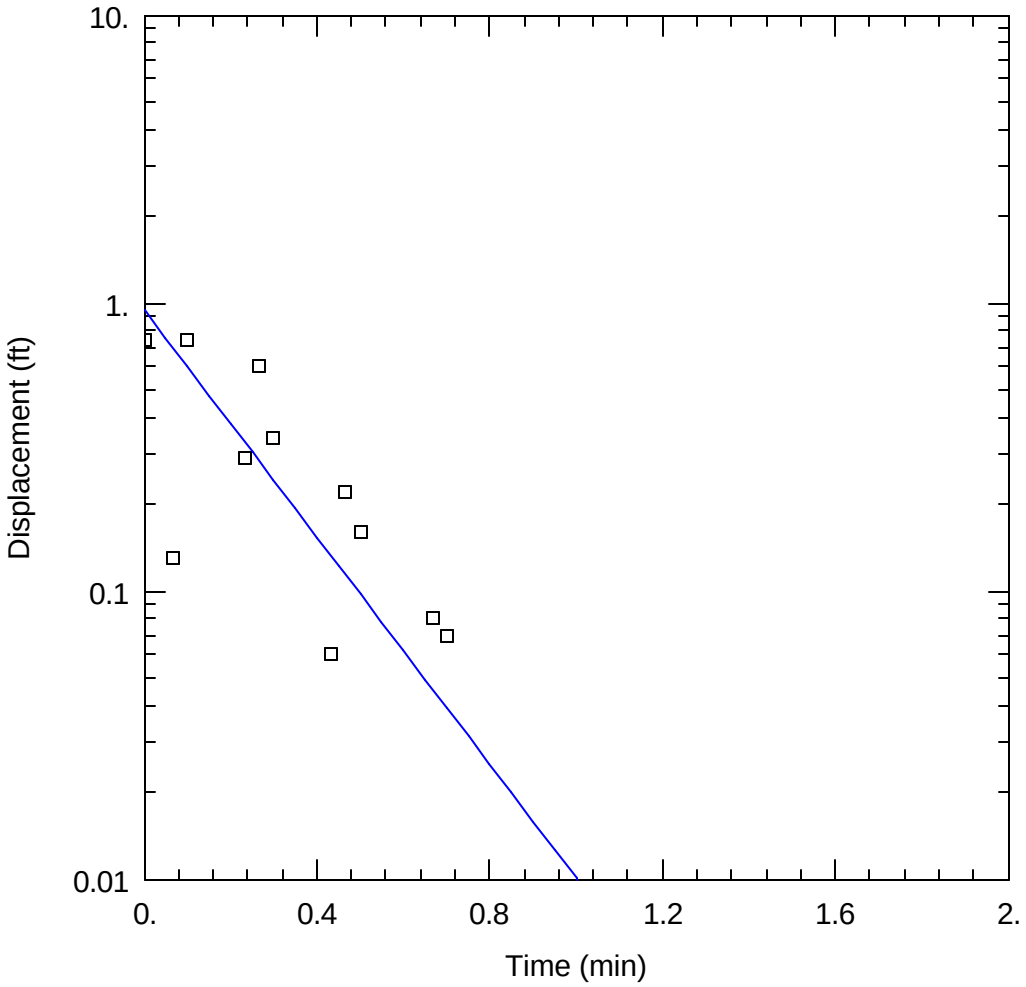
Saturated Thickness: 108.9 ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-2 (D))

Initial Displacement: 1.15 ft
Water Column Height: 108.9 ft
Casing Radius: 0.042 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.01734 ft/min
y0 = 0.9464 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-2 (Deep OUT).aqt
Date: 11/07/03 Time: 08:00:10

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

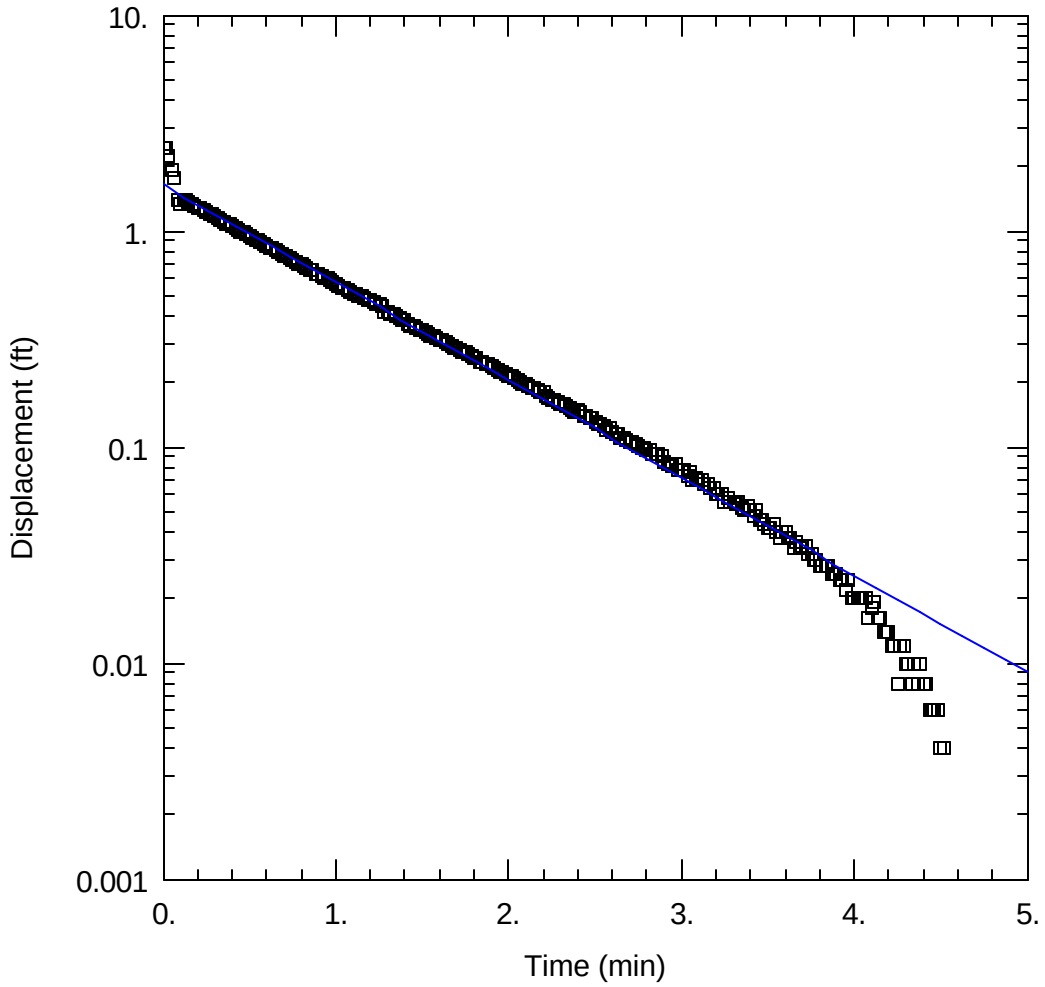
Saturated Thickness: 108.9 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-2 (D))

Initial Displacement: 0.74 ft Water Column Height: 108.9 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.01734 ft/min y0 = 0.9464 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-3 (shallow IN).aqt
Date: 11/07/03 Time: 08:19:02

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

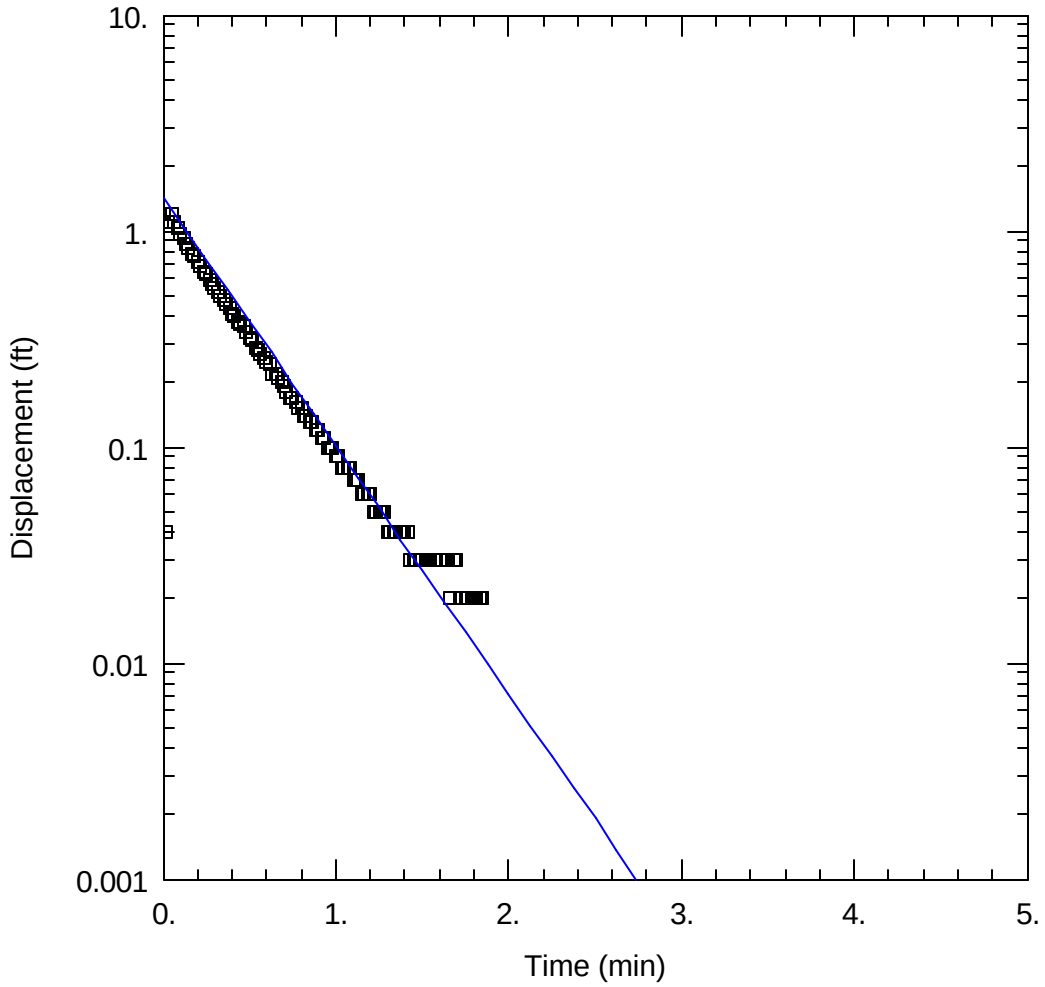
Saturated Thickness: 88.44 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-3(S))

Initial Displacement: 2.44 ft Water Column Height: 11.44 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.003609 ft/min y0 = 1.635 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-3 (shallow OUT).aqt
Date: 11/07/03 Time: 08:18:56

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

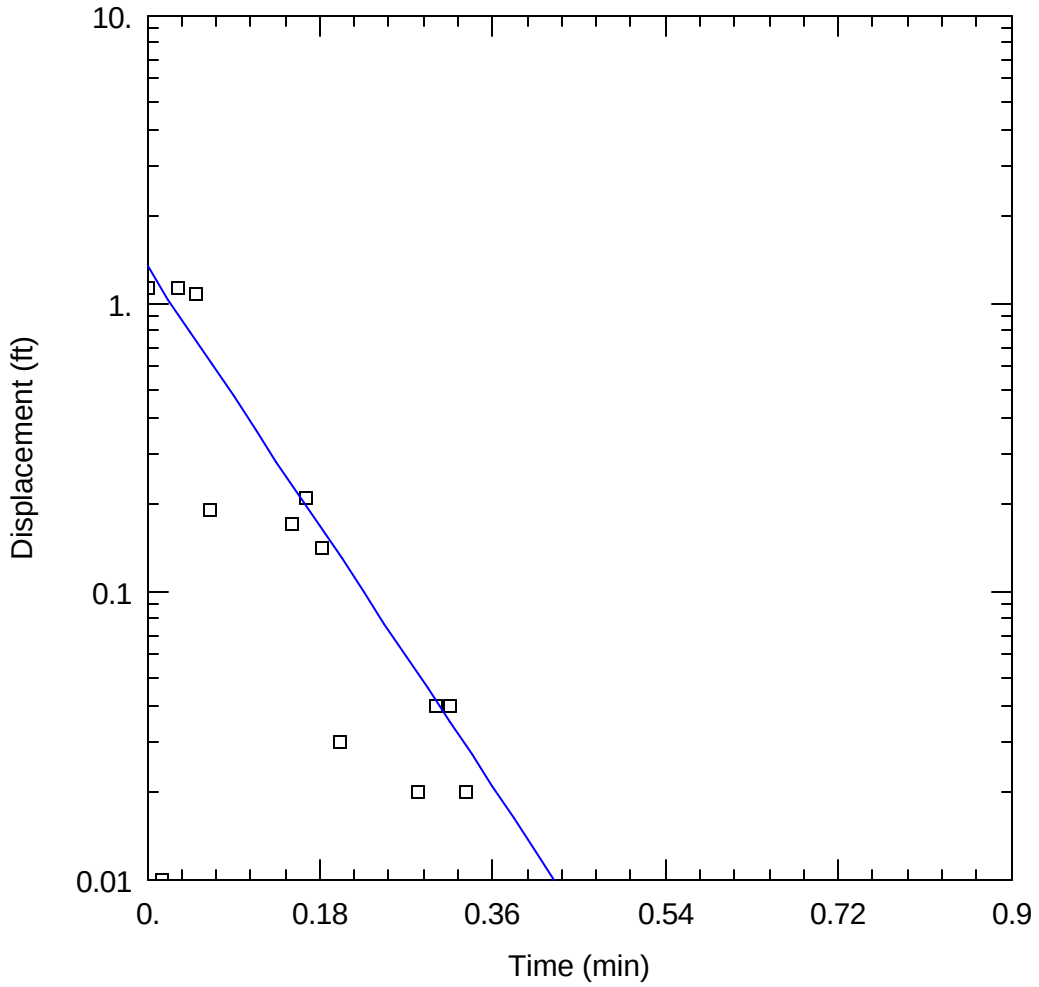
Saturated Thickness: 88.44 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-3(S))

Initial Displacement: 1.19 ft Water Column Height: 11.44 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.00919 ft/min y0 = 1.43 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-3 (Middle IN).aqt
Date: 11/07/03 Time: 08:19:14

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

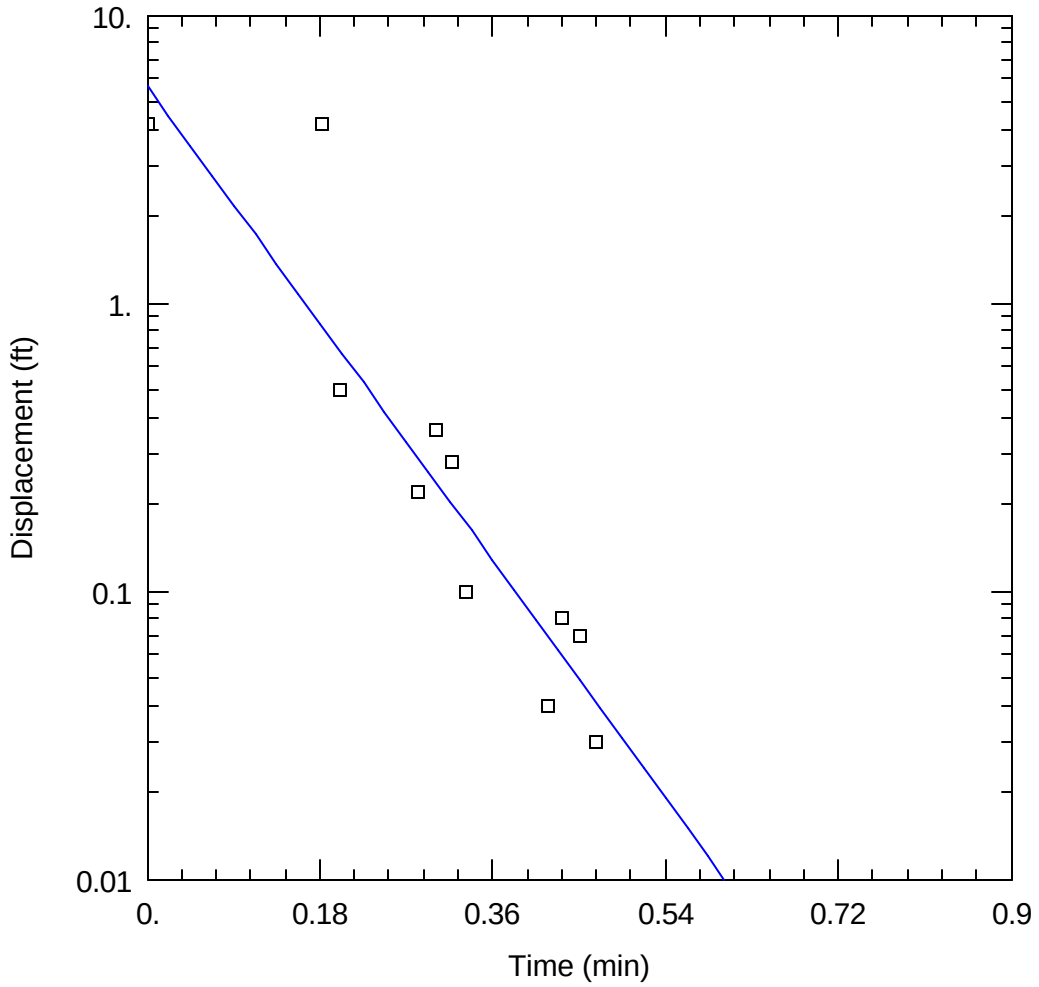
Saturated Thickness: 88.45 ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-3(M))

Initial Displacement: 1.13 ft
Water Column Height: 51.95 ft
Casing Radius: 0.042 ft
Wellbore Radius: 0.33 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.05078 ft/min
y0 = 1.337 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-3 (Middle OUT).aqt
Date: 11/07/03 Time: 08:19:08

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

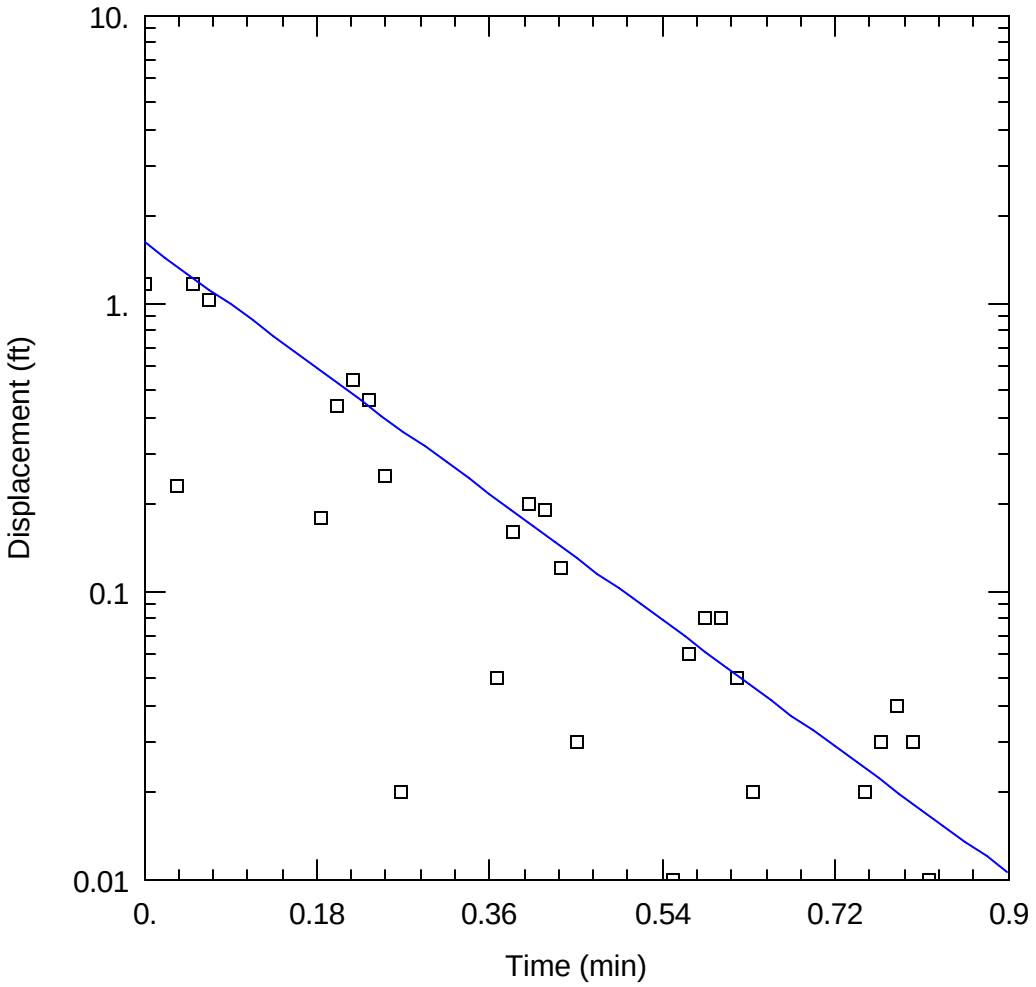
Saturated Thickness: 88.45 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-3(M))

Initial Displacement: 4.17 ft Water Column Height: 51.95 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.04632 ft/min y0 = 5.639 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-3 (Deep IN).aqt
Date: 11/07/03 Time: 07:59:54

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

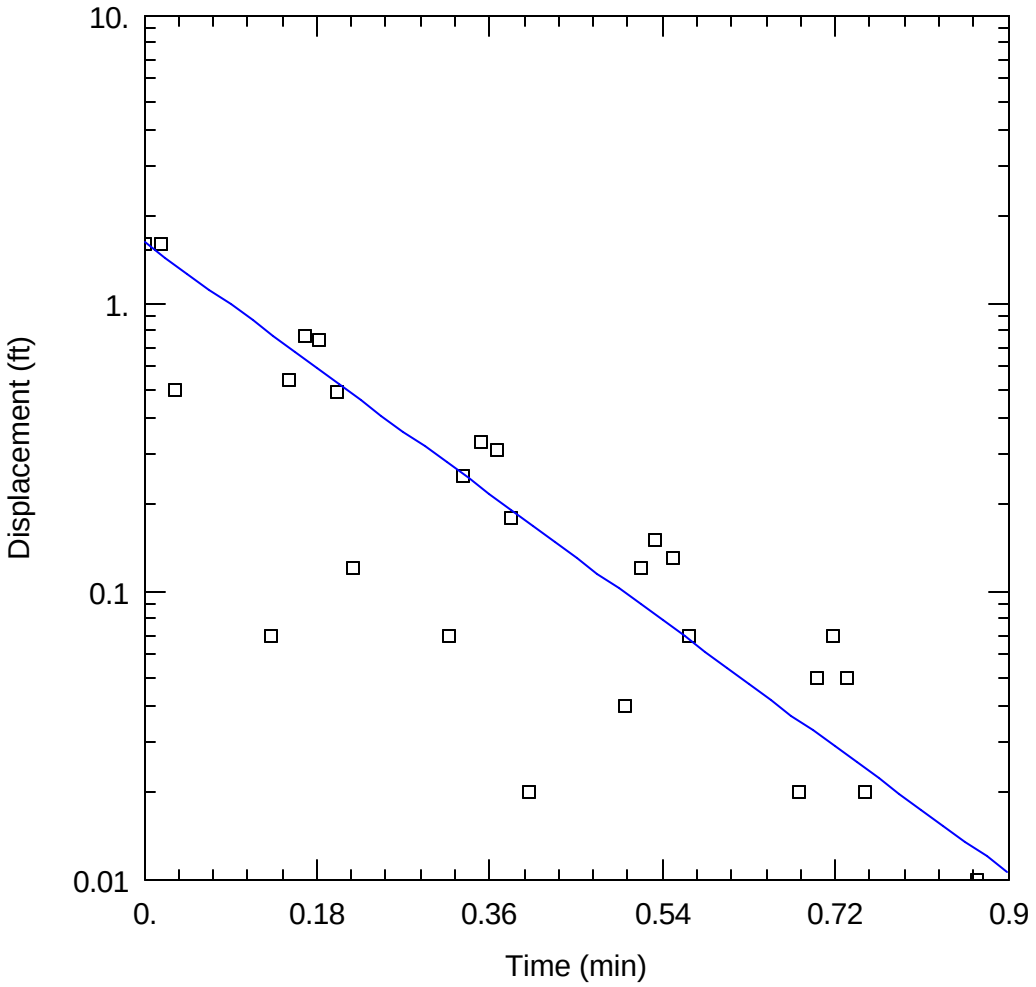
Saturated Thickness: 88.43 ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-3(D))

Initial Displacement: 1.17 ft
Water Column Height: 88.43 ft
Casing Radius: 0.042 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.02085 ft/min
y0 = 1.63 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-3 (Deep OUT).aqt
Date: 11/07/03 Time: 08:19:20

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/04/02

AQUIFER DATA

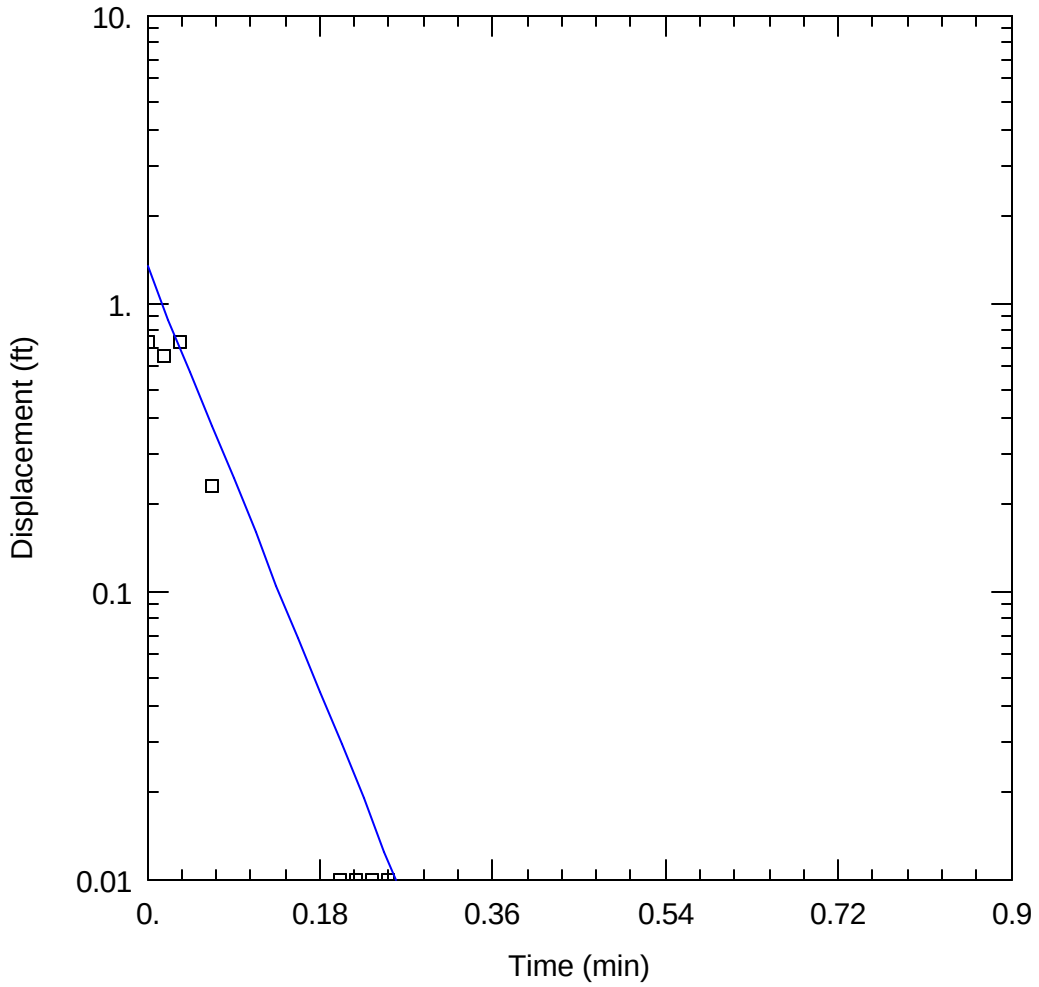
Saturated Thickness: 88.43 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-3(D))

Initial Displacement: 1.61 ft Water Column Height: 88.43 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.02085 ft/min y0 = 1.63 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-4 (Middle IN).aqt
Date: 11/07/03 Time: 08:18:39

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/05/02

AQUIFER DATA

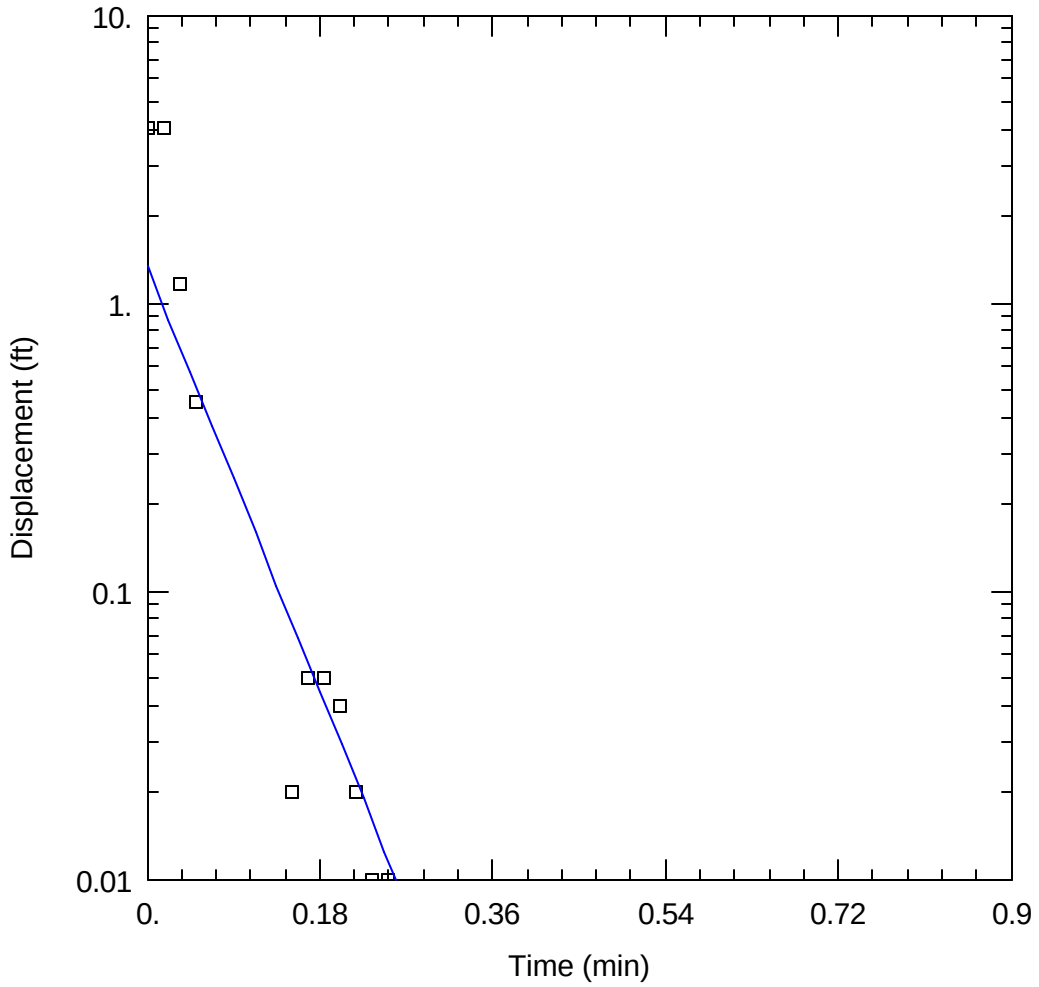
Saturated Thickness: 97.95 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-4(M))

Initial Displacement: 0.73 ft Water Column Height: 59.95 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.08446 ft/min y0 = 1.346 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-4 (Middle OUT).aqt
Date: 11/07/03 Time: 08:18:34

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/05/02

AQUIFER DATA

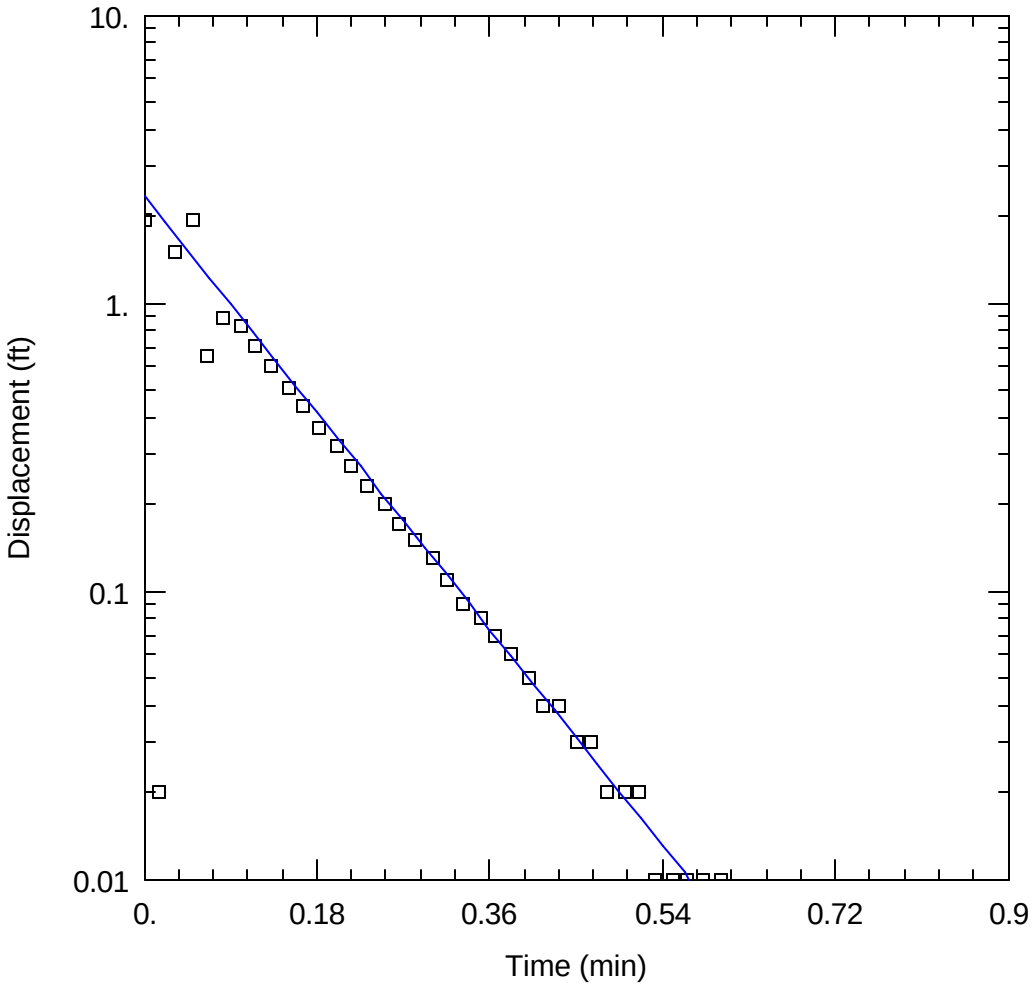
Saturated Thickness: 97.95 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-4(M))

Initial Displacement: 4.02 ft Water Column Height: 59.95 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.08446 ft/min y0 = 1.346 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-4 (Deep IN).aqt
Date: 11/07/03 Time: 08:18:50

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/05/02

AQUIFER DATA

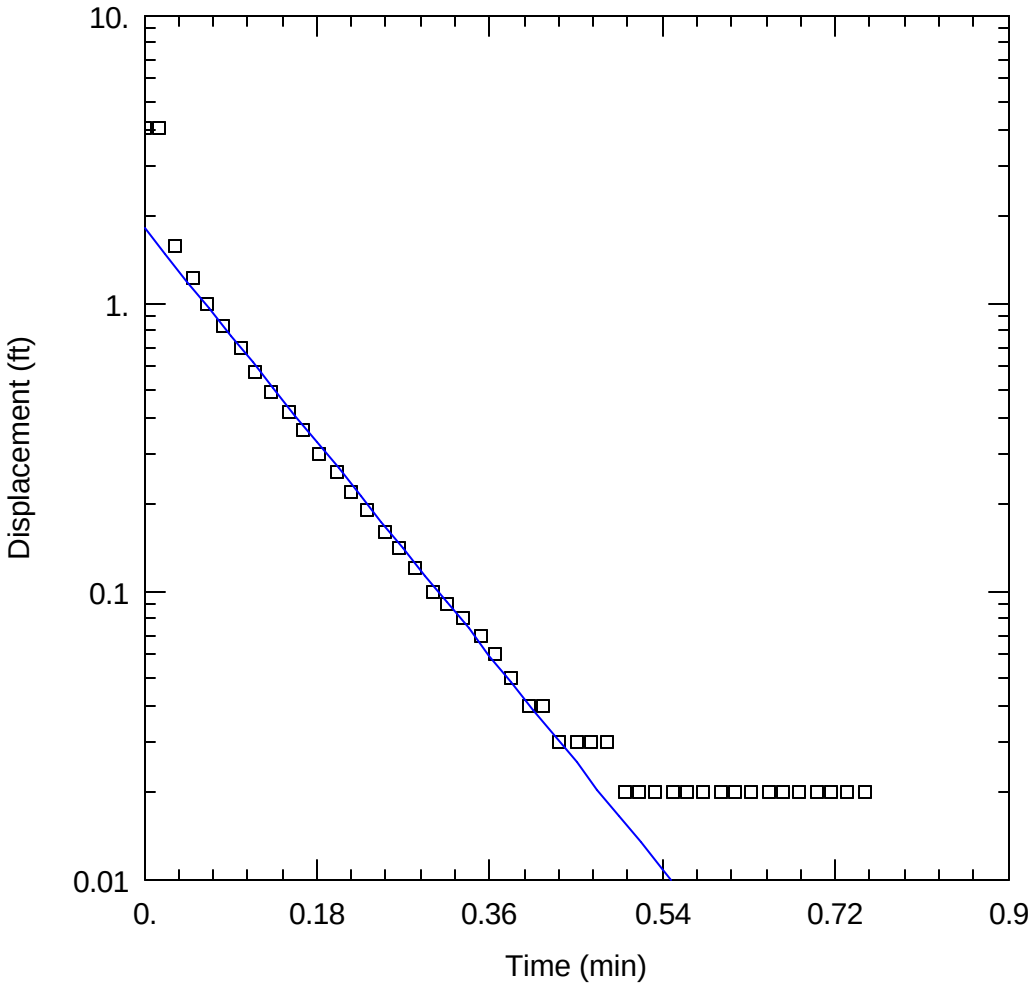
Saturated Thickness: 98.4 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-4(D))

Initial Displacement: 1.94 ft Water Column Height: 98.4 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.03629 ft/min y0 = 2.357 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-4 (Deep OUT).aqt
Date: 11/07/03 Time: 08:18:44

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/05/02

AQUIFER DATA

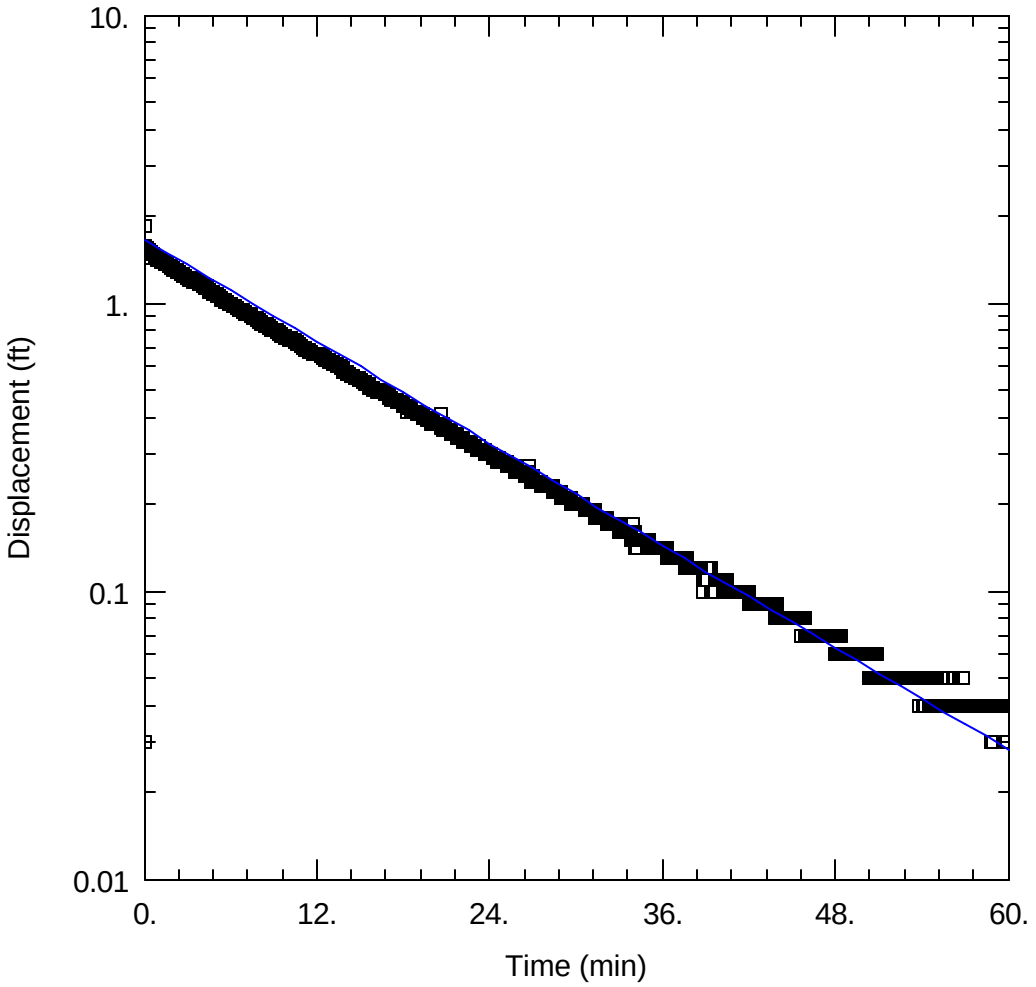
Saturated Thickness: 98.4 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-4(D))

Initial Displacement: 4.07 ft Water Column Height: 98.4 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.03579 ft/min y0 = 1.818 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-5 (Shallow IN).aqt
Date: 11/07/03 Time: 08:17:26

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/03/02

AQUIFER DATA

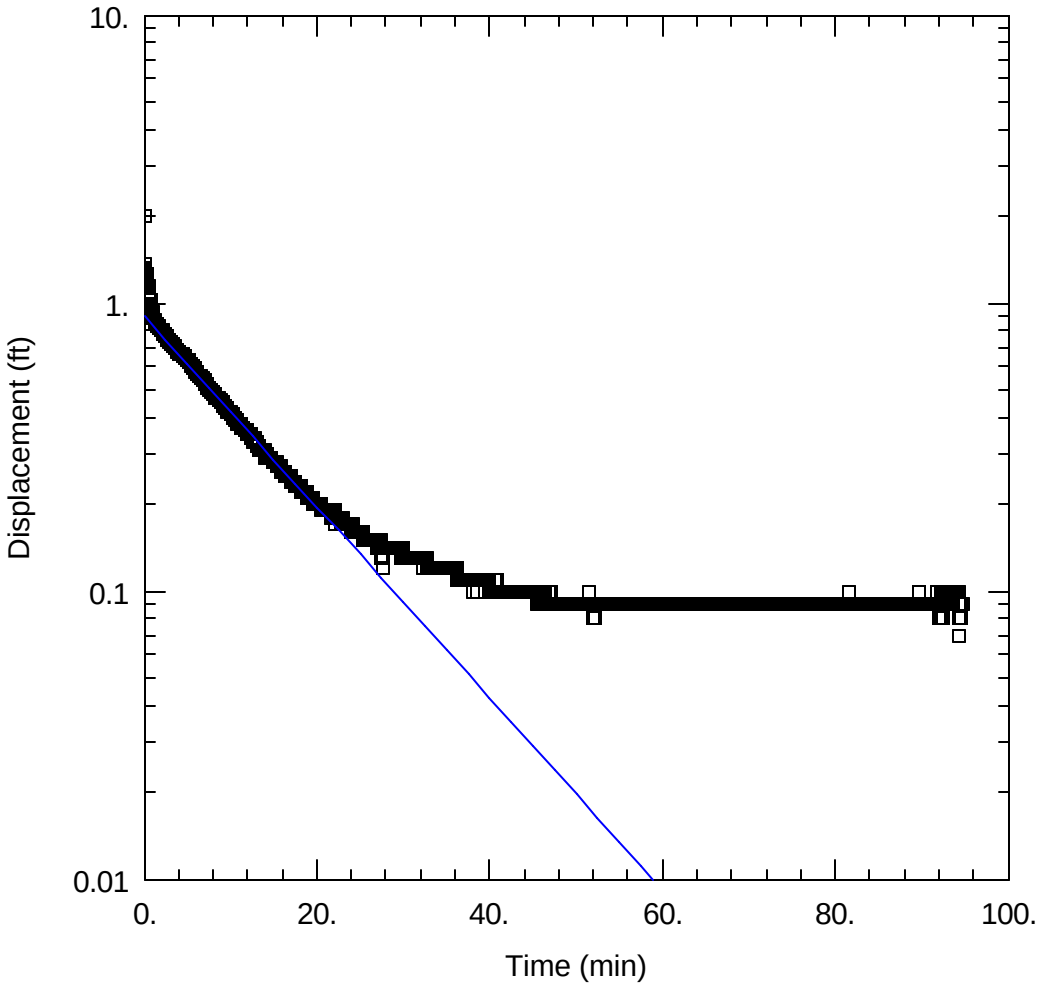
Saturated Thickness: 93.67 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-5(S))

Initial Displacement: 1.86 ft Water Column Height: 10.67 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0002325 ft/min y0 = 1.664 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-5 (Shallow OUT).aqt
Date: 11/07/03 Time: 08:18:17

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/03/02

AQUIFER DATA

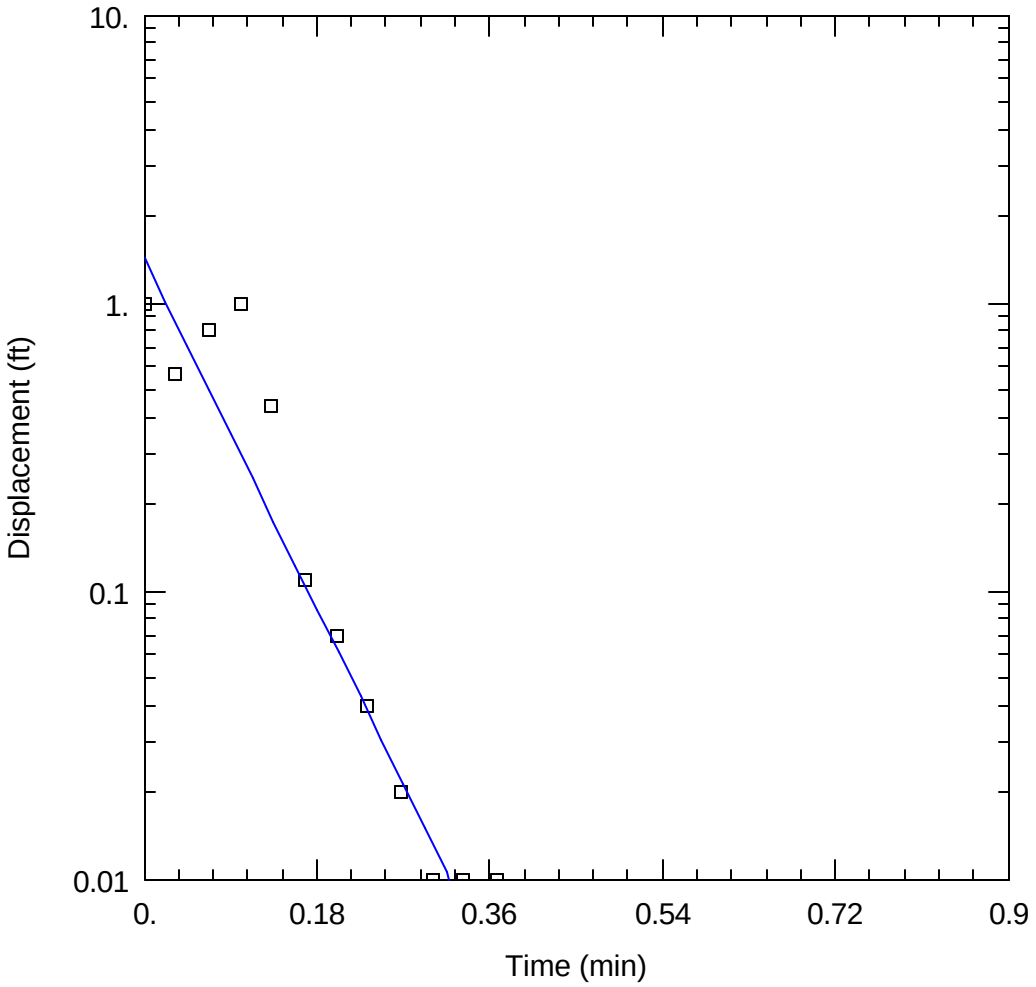
Saturated Thickness: 93.67 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-5(S))

Initial Displacement: 2.01 ft Water Column Height: 10.67 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0002617 ft/min y0 = 0.9047 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-5 (Middle IN).aqt
Date: 11/07/03 Time: 08:18:29

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/03/02

AQUIFER DATA

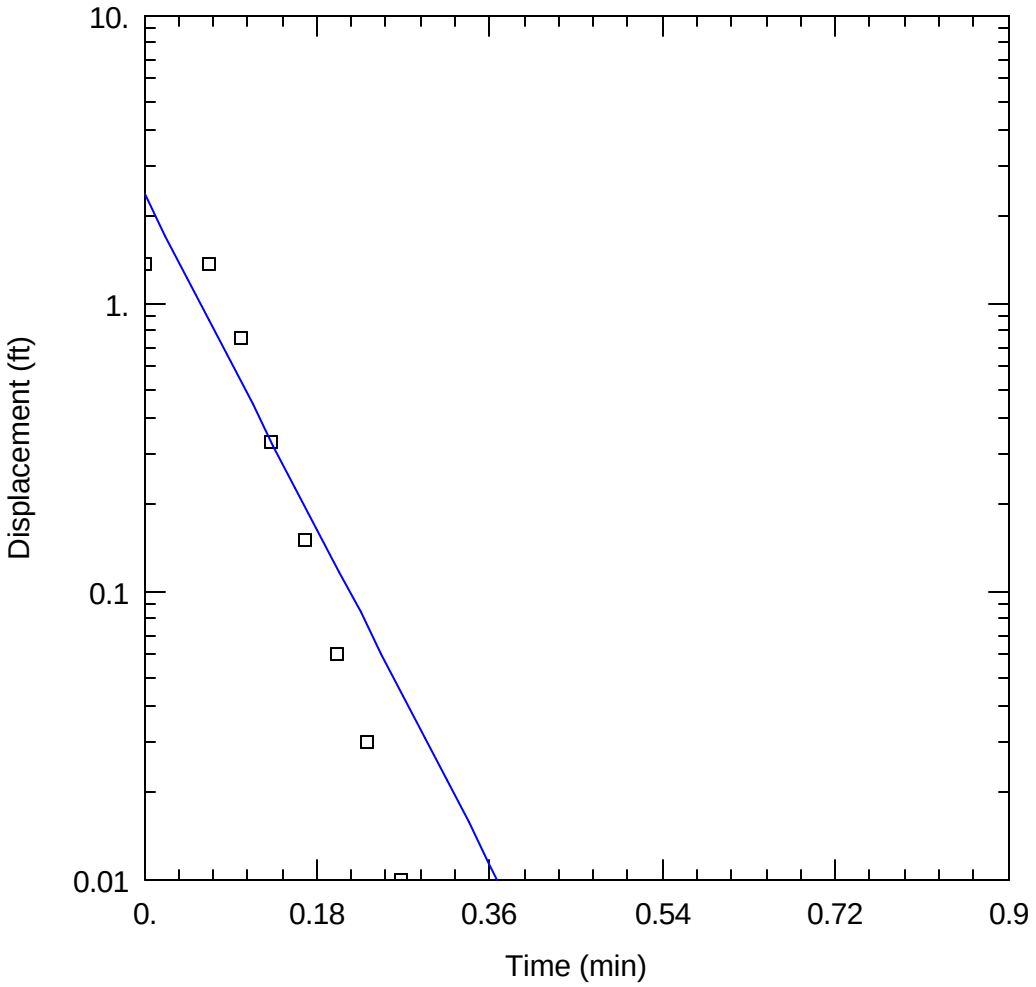
Saturated Thickness: 93.5 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-5(M))

Initial Displacement: 1. ft Water Column Height: 54.5 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.06867 ft/min y0 = 1.422 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-5 (Middle OUT).aqt
Date: 11/07/03 Time: 08:18:22

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/03/02

AQUIFER DATA

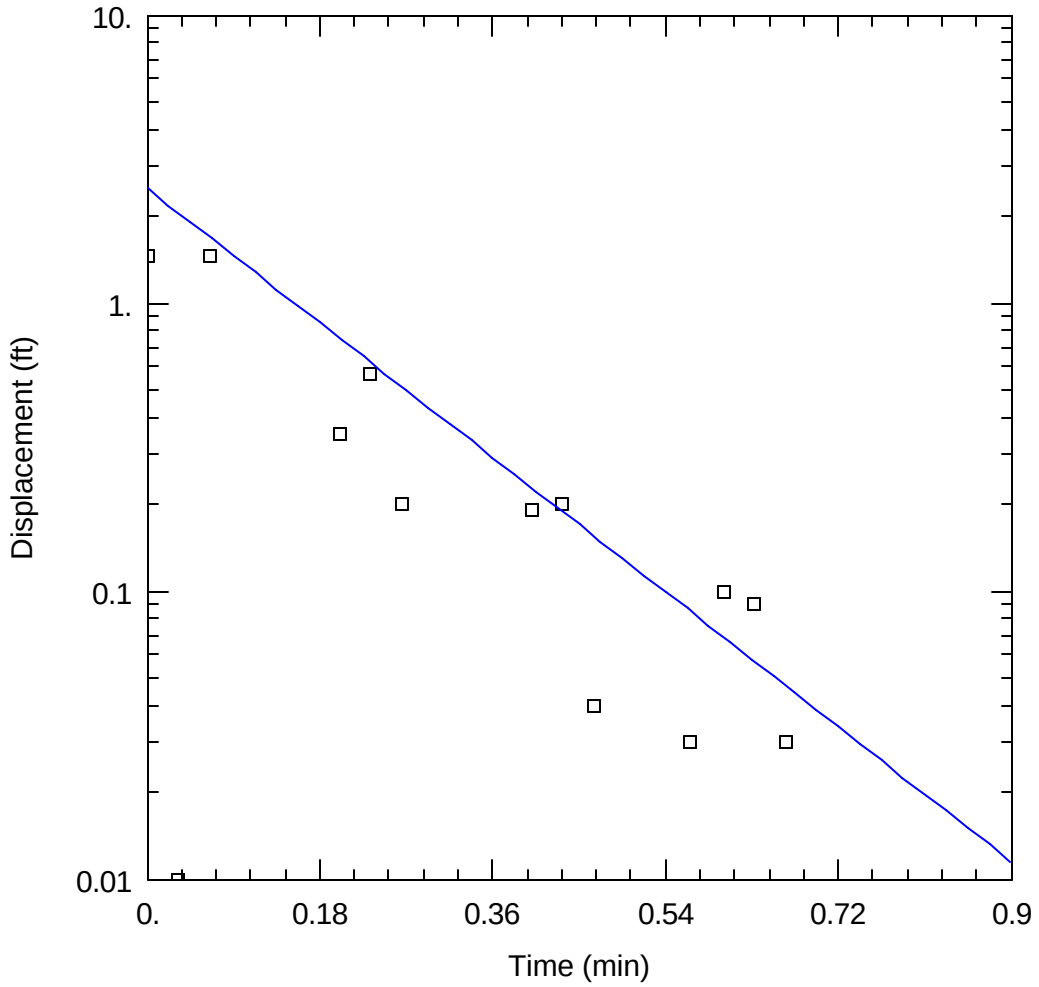
Saturated Thickness: 93.5 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-5(M))

Initial Displacement: 1.36 ft Water Column Height: 54.5 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.06582 ft/min y0 = 2.401 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-5(Deep IN).aqt
Date: 11/07/03 Time: 08:18:10

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/03/02

AQUIFER DATA

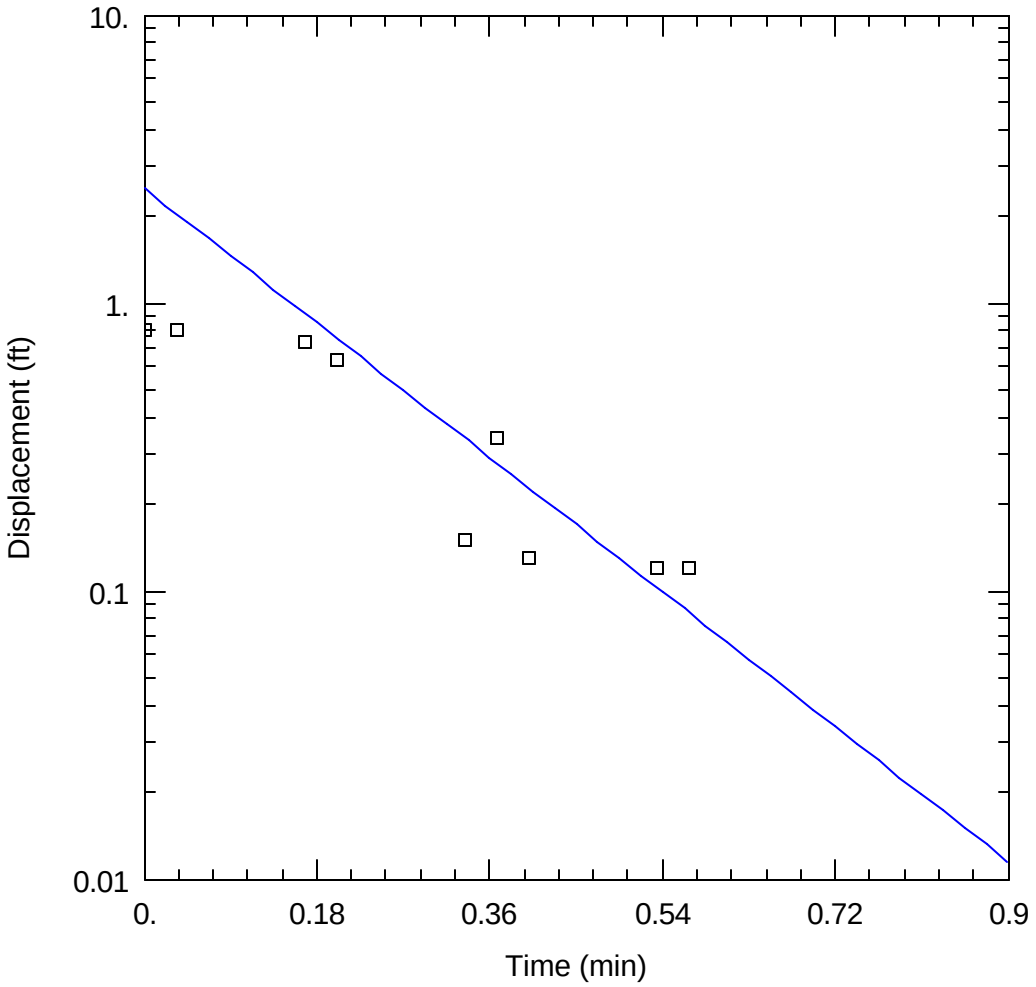
Saturated Thickness: 93.41 ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-5(D))

Initial Displacement: 1.46 ft
Water Column Height: 93.41 ft
Casing Radius: 0.042 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.02239 ft/min
y0 = 2.499 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-5(Deep OUT).aqt
Date: 11/07/03 Time: 08:18:05

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/03/02

AQUIFER DATA

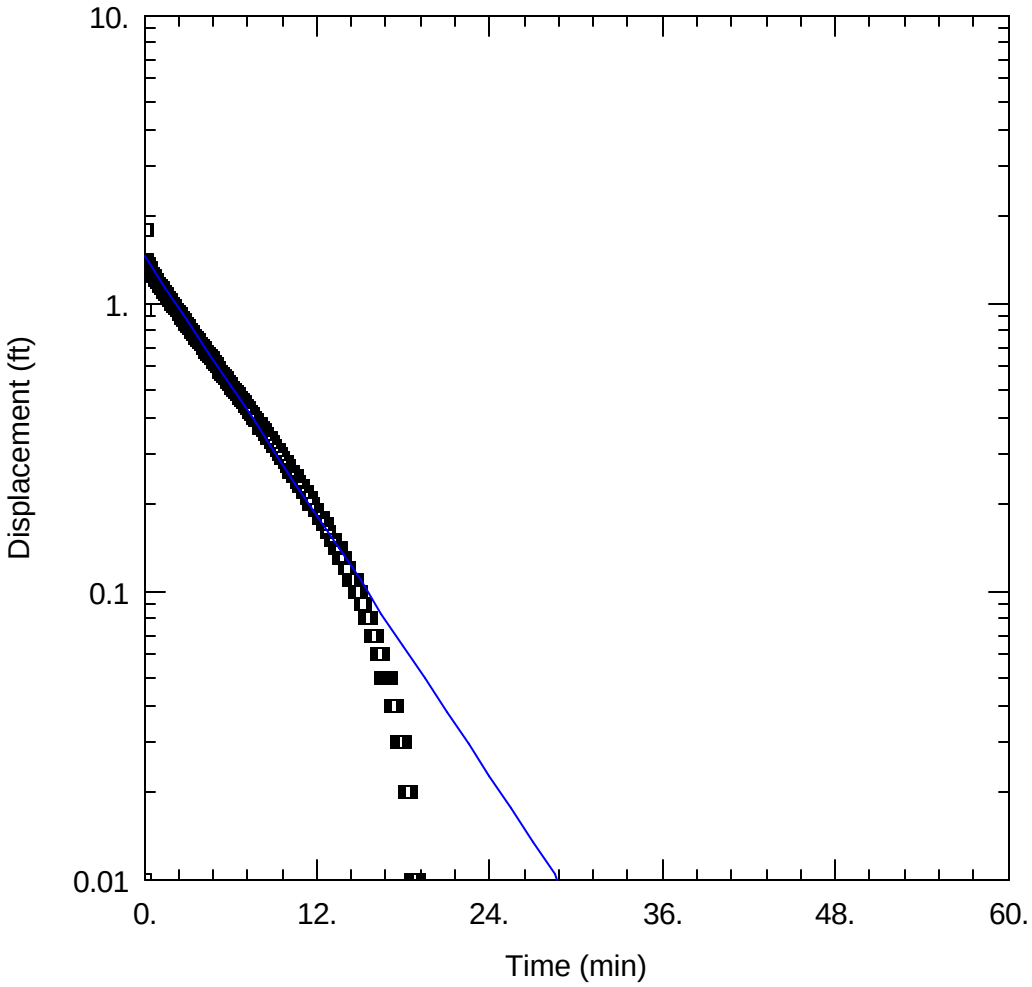
Saturated Thickness: 93.41 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-5(D))

Initial Displacement: 0.8 ft Water Column Height: 93.41 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.02239 ft/min y0 = 2.499 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-6 (Shallow IN).aqt
Date: 11/07/03 Time: 08:17:46

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/05/02

AQUIFER DATA

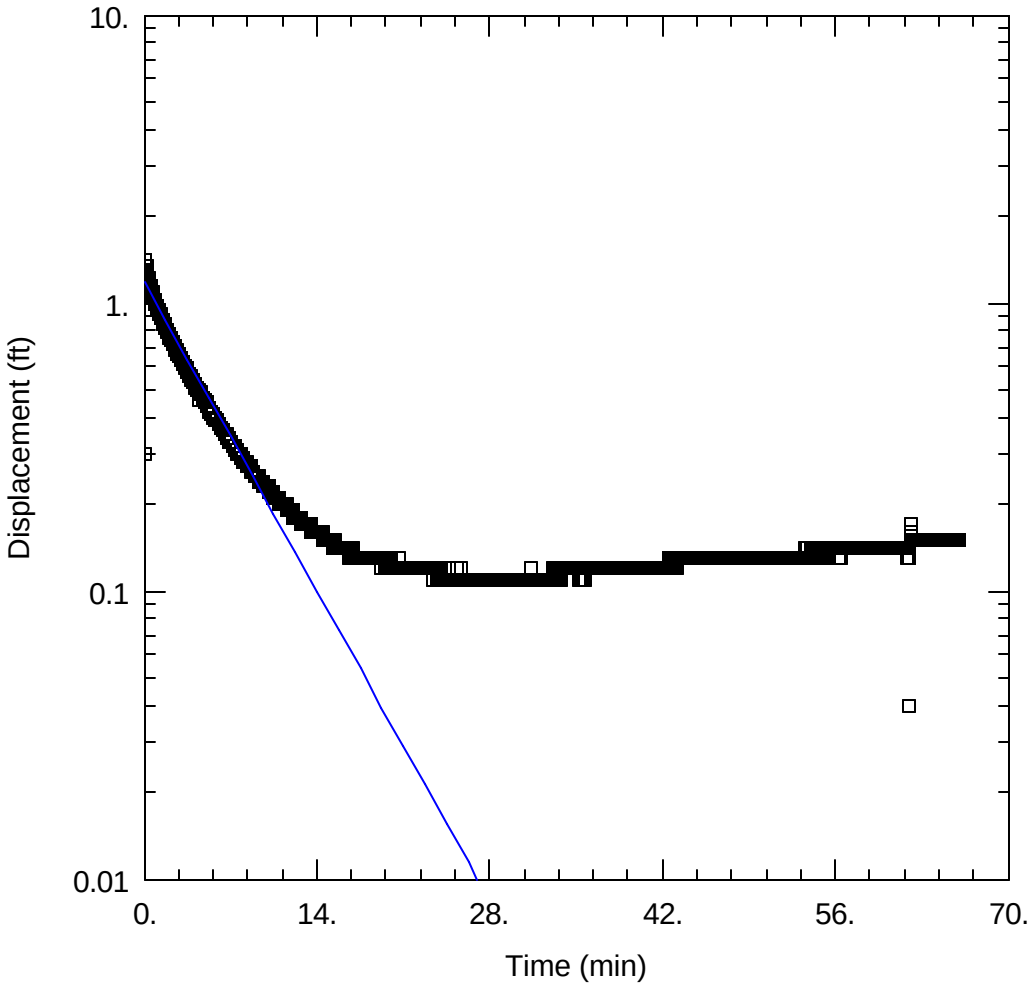
Saturated Thickness: 96.88 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-6(S))

Initial Displacement: 1.79 ft Water Column Height: 11.38 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0005994 ft/min y0 = 1.463 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-6 (Shallow OUT).aqt
Date: 11/07/03 Time: 08:17:41

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/05/02

AQUIFER DATA

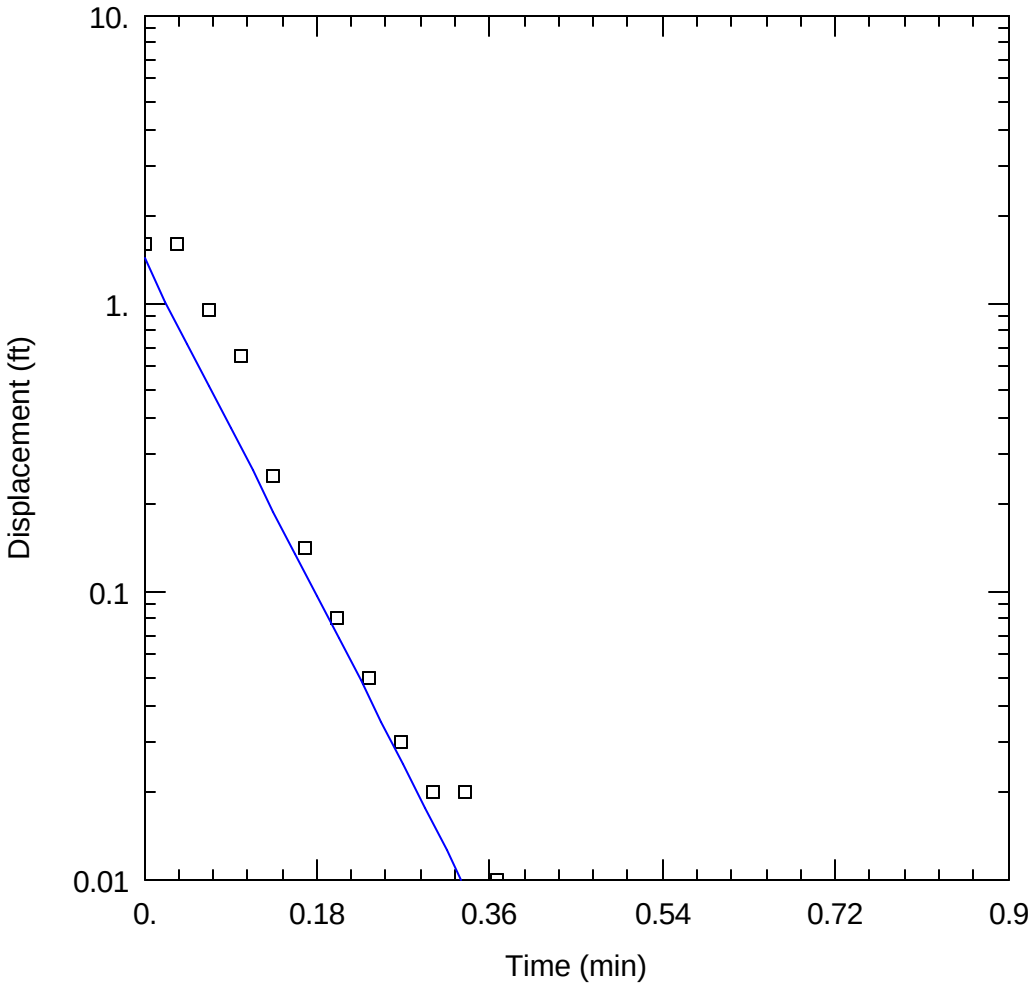
Saturated Thickness: 96.88 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-6(S))

Initial Displacement: 1.4 ft Water Column Height: 11.38 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0006101 ft/min y0 = 1.182 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-6 (Middle IN).aqt
Date: 11/07/03 Time: 08:17:59

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/05/02

AQUIFER DATA

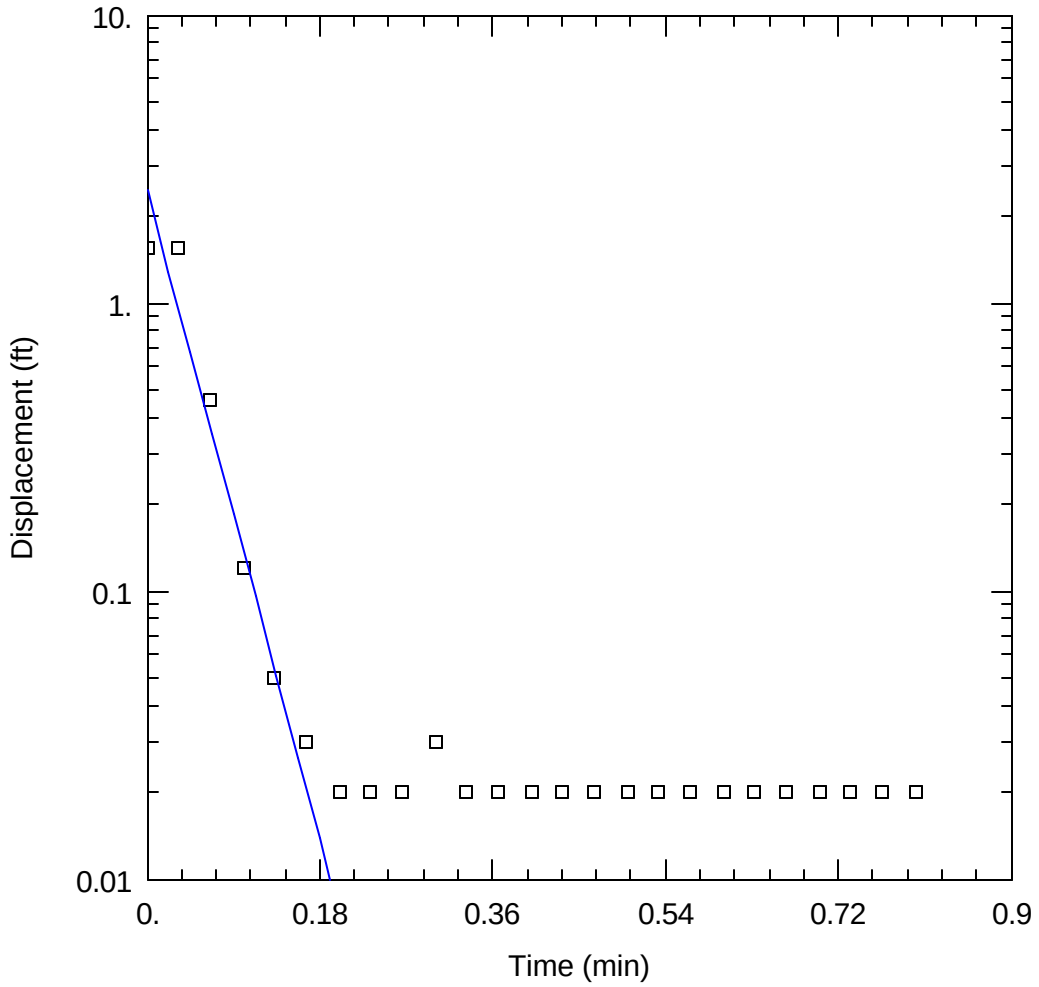
Saturated Thickness: 96.83 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-6(M))

Initial Displacement: 1.6 ft Water Column Height: 56.33 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.06631 ft/min y0 = 1.422 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-6 (Middle OUT).aqt
Date: 11/07/03 Time: 08:17:51

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/05/02

AQUIFER DATA

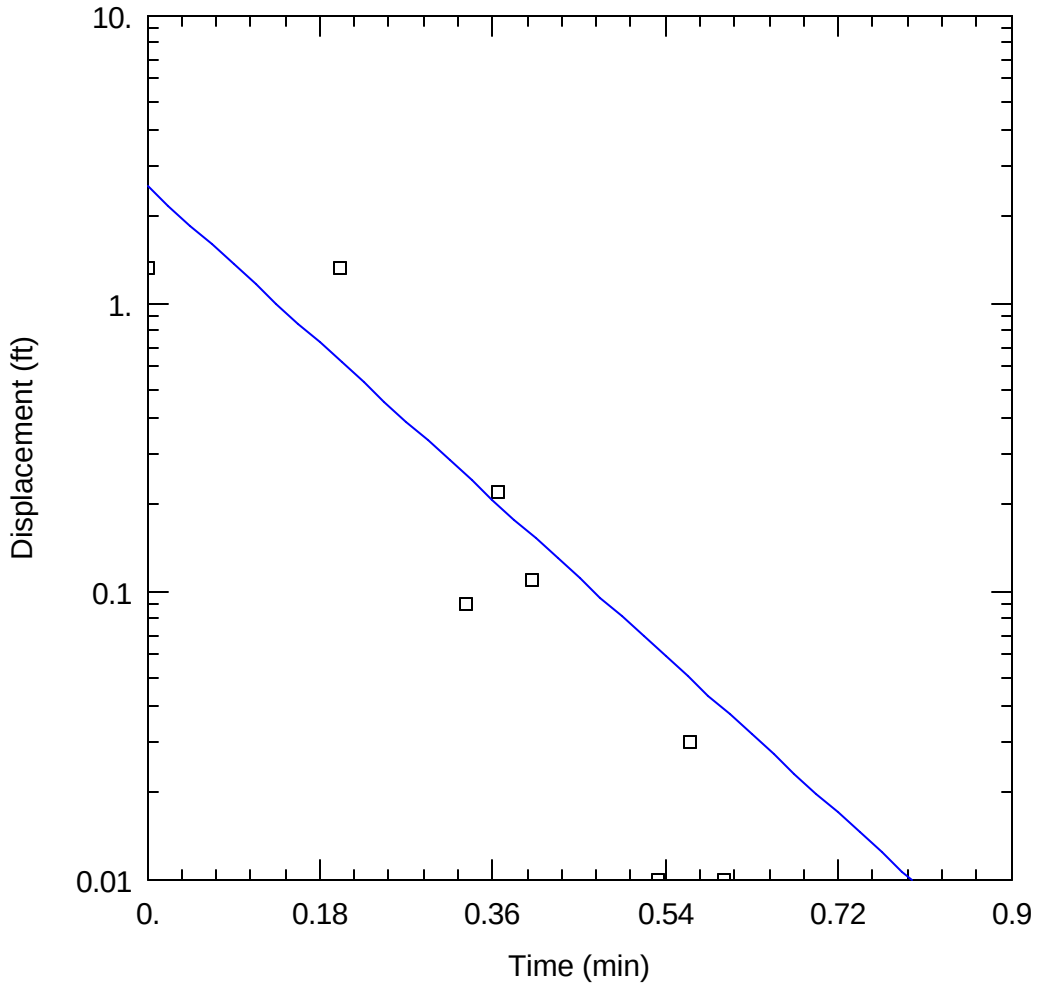
Saturated Thickness: 96.83 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-6(M))

Initial Displacement: 1.55 ft Water Column Height: 56.33 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.1274 ft/min y0 = 2.465 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-6(Deep IN).aqt
Date: 11/07/03 Time: 08:17:32

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/05/02

AQUIFER DATA

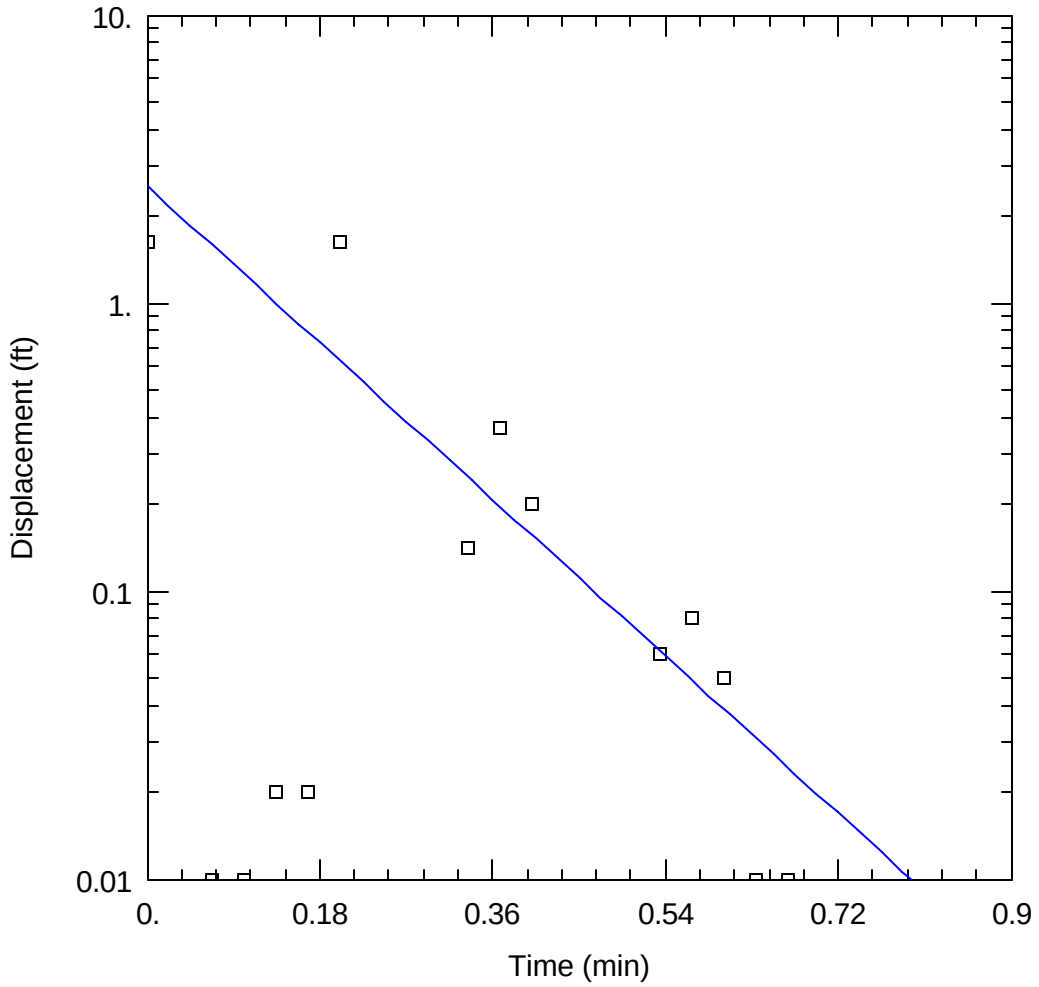
Saturated Thickness: 96.84 ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-6(D))

Initial Displacement: 1.32 ft
Water Column Height: 96.84 ft
Casing Radius: 0.042 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0262 ft/min
y0 = 2.55 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-6(Deep OUT).aqt
Date: 11/07/03 Time: 08:17:18

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/05/02

AQUIFER DATA

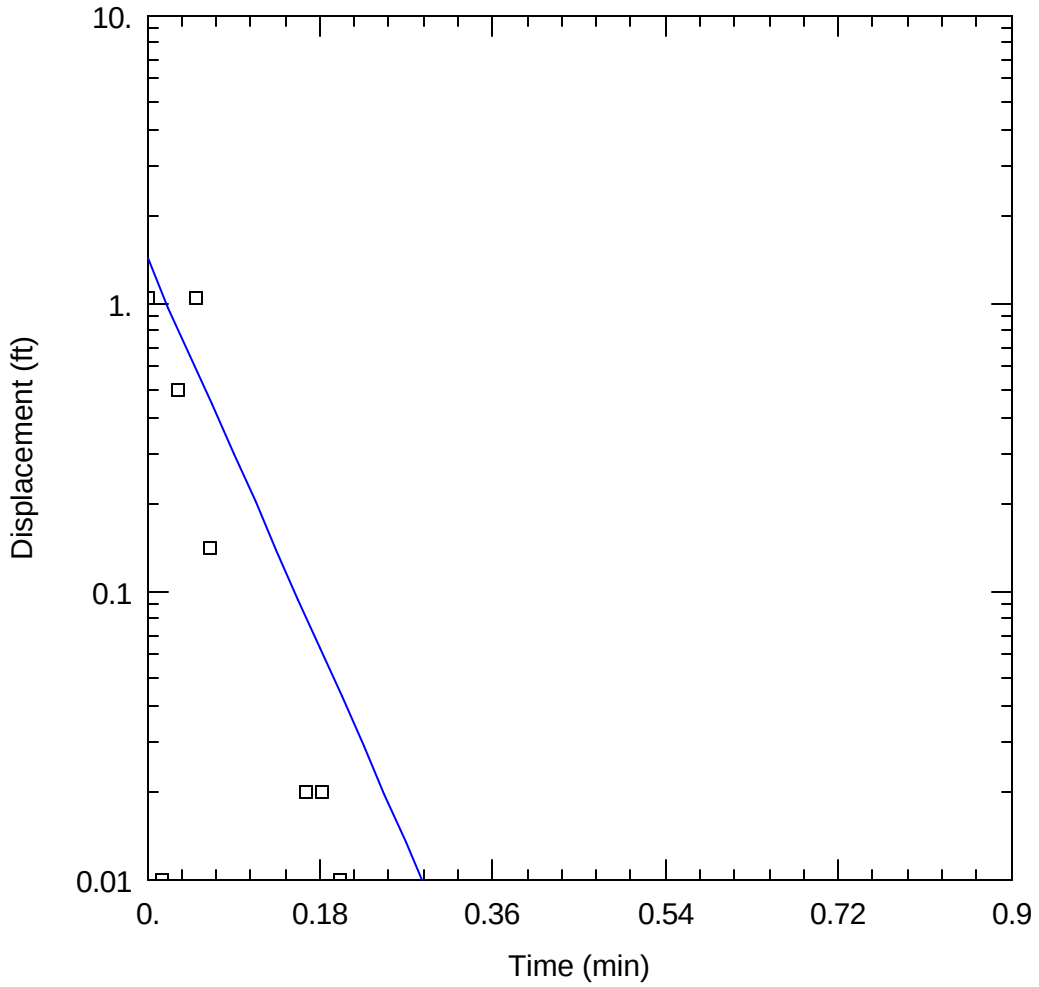
Saturated Thickness: 96.84 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-6(D))

Initial Displacement: 1.62 ft Water Column Height: 96.84 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0262 ft/min y0 = 2.55 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-7 (Middle IN).aqt
Date: 11/07/03 Time: 08:17:13

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/06/02

AQUIFER DATA

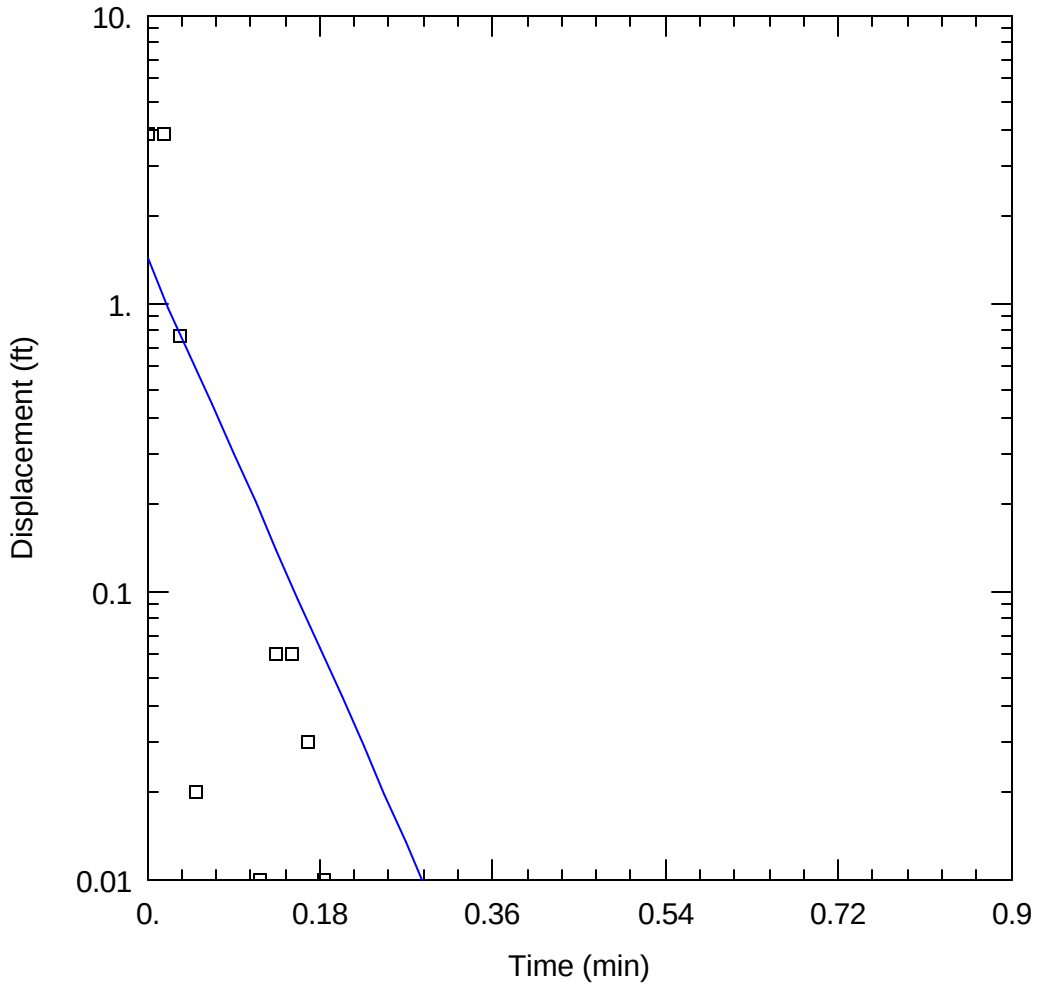
Saturated Thickness: 86.5 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-7(M))

Initial Displacement: 1.04 ft Water Column Height: 44. ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.07423 ft/min y0 = 1.422 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-7 (Middle OUT).aqt
Date: 11/07/03 Time: 08:17:07

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/06/02

AQUIFER DATA

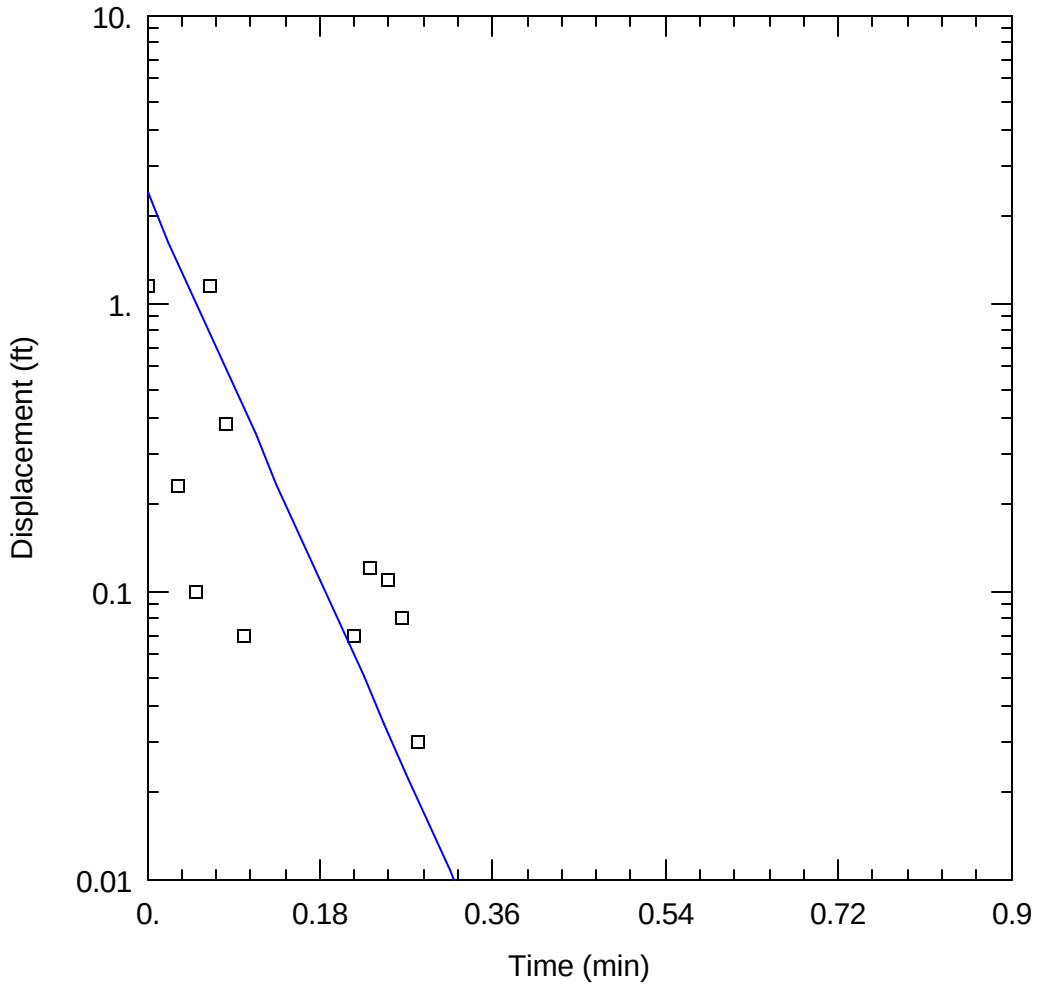
Saturated Thickness: 86.5 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-7(M))

Initial Displacement: 3.88 ft Water Column Height: 44. ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.07423 ft/min y0 = 1.422 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-7(Deep IN).aqt
Date: 11/07/03 Time: 08:17:02

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/06/02

AQUIFER DATA

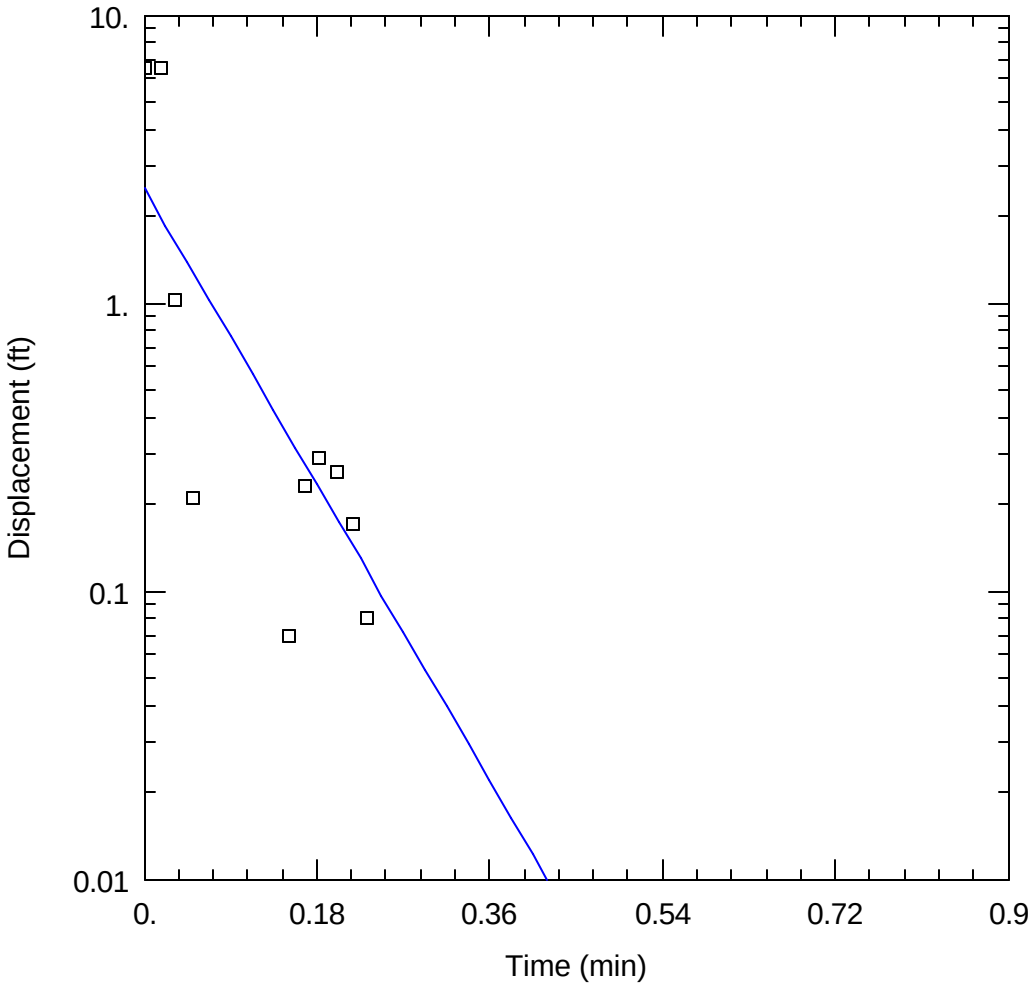
Saturated Thickness: 86.78 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-7(D))

Initial Displacement: 1.14 ft Water Column Height: 86.78 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.06377 ft/min y0 = 2.41 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-7(Deep OUT).aqt
Date: 11/07/03 Time: 08:16:55

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/06/02

AQUIFER DATA

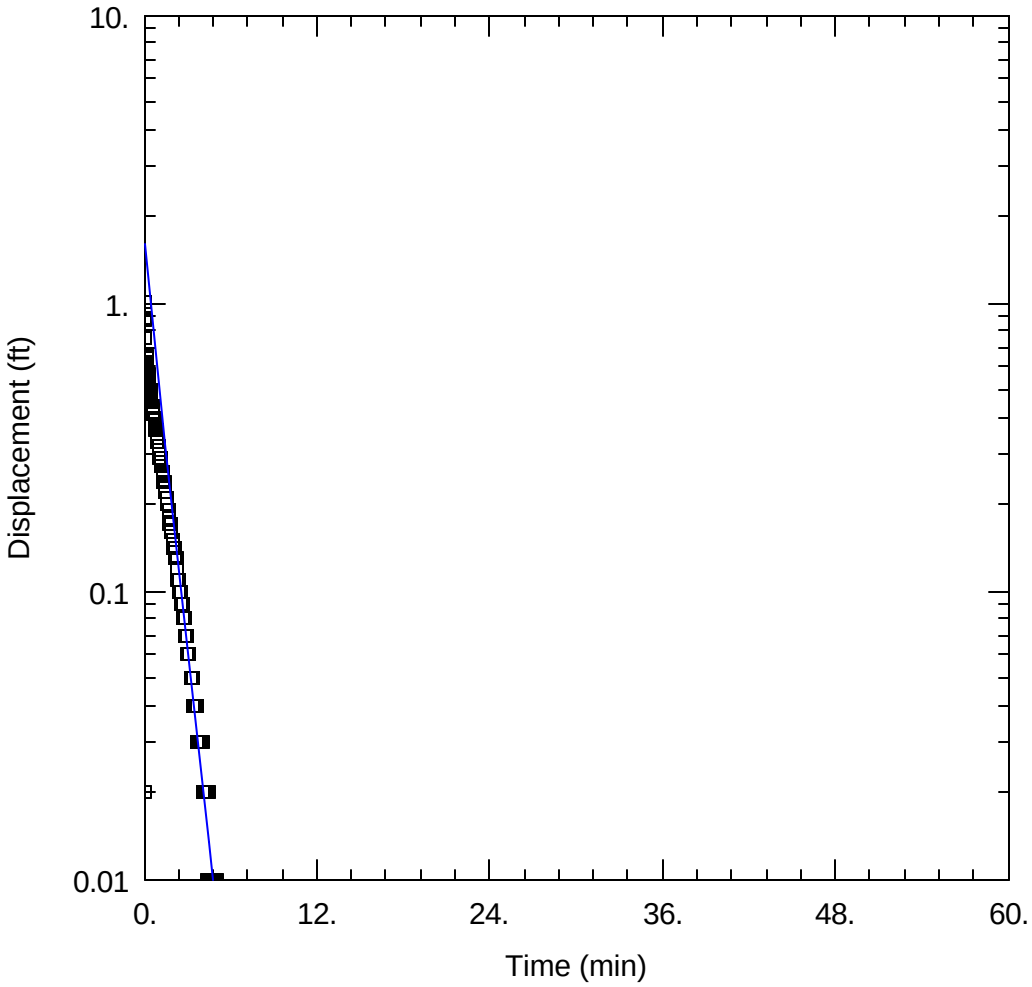
Saturated Thickness: 86.78 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-7(D))

Initial Displacement: 6.55 ft Water Column Height: 86.78 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.04878 ft/min y0 = 2.49 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-8 (Shallow IN).aqt
Date: 11/07/03 Time: 08:16:37

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/06/02

AQUIFER DATA

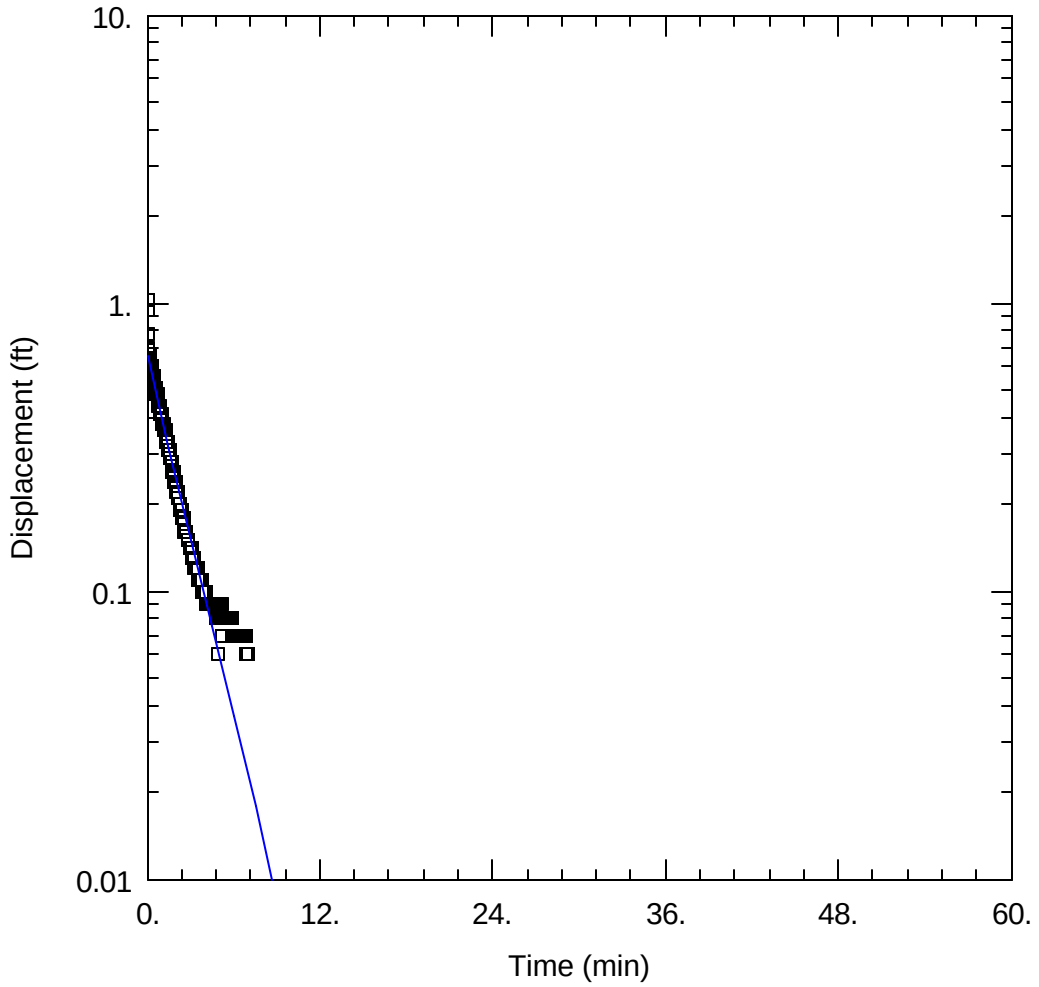
Saturated Thickness: 101.8 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-8(S))

Initial Displacement: 1.01 ft Water Column Height: 12.8 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.003739 ft/min y0 = 1.592 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-8 (Shallow OUT).aqt
Date: 11/07/03 Time: 08:16:31

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/06/02

AQUIFER DATA

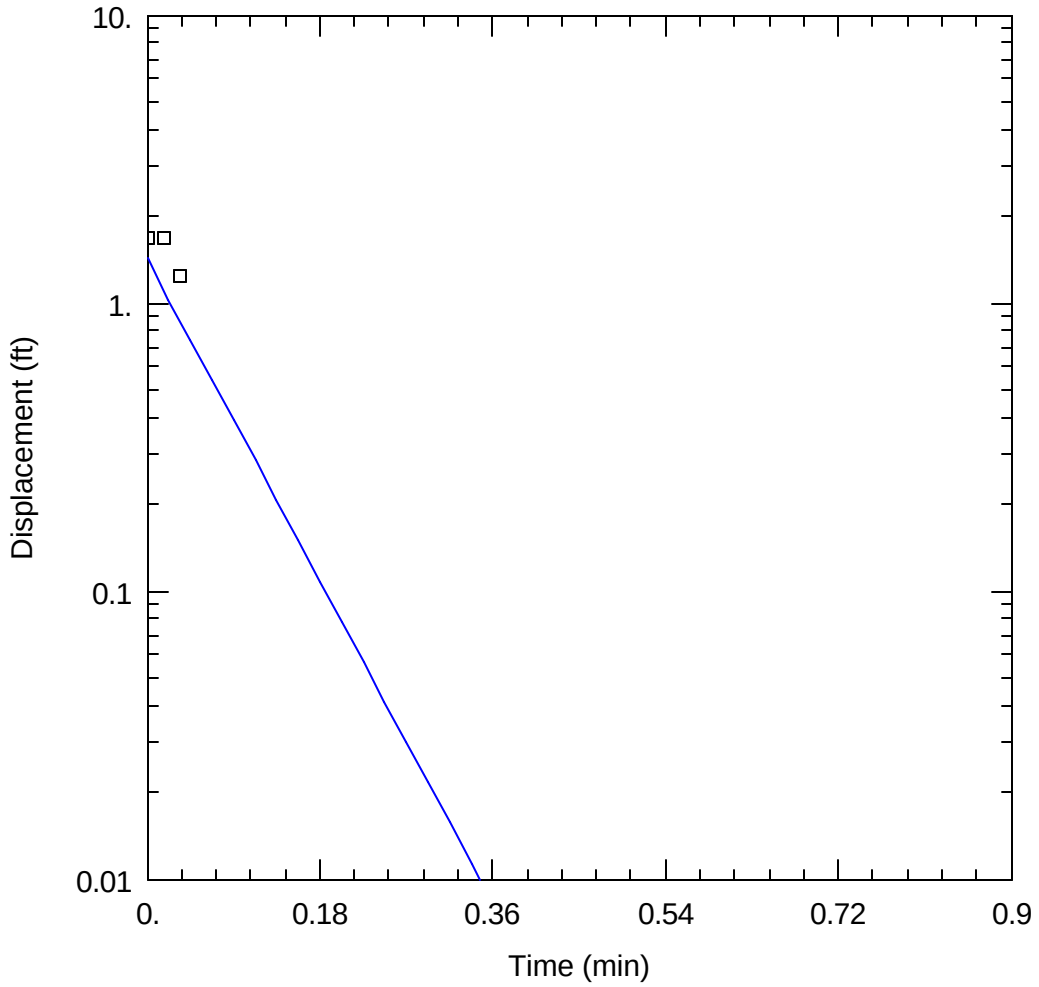
Saturated Thickness: 101.8 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-8(S))

Initial Displacement: 1.03 ft Water Column Height: 12.8 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.00169 ft/min y0 = 0.6518 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-8 (Middle IN).aqt
Date: 11/07/03 Time: 08:16:49

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/06/02

AQUIFER DATA

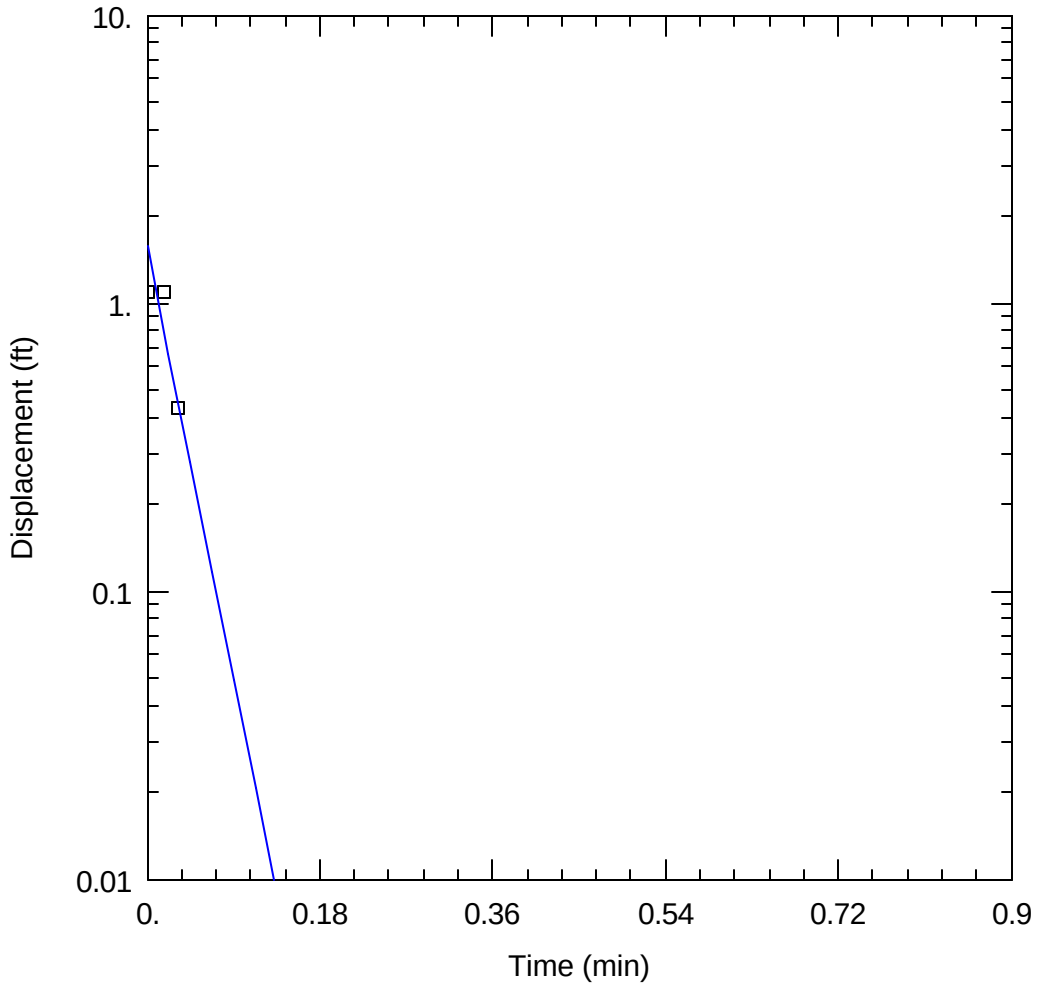
Saturated Thickness: 101. ft
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-8(M))

Initial Displacement: 1.67 ft
Water Column Height: 58.95 ft
Casing Radius: 0.042 ft
Wellbore Radius: 0.33 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0636 ft/min
y0 = 1.422 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-8 (Middle OUT).aqt
Date: 11/07/03 Time: 08:16:43

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/06/02

AQUIFER DATA

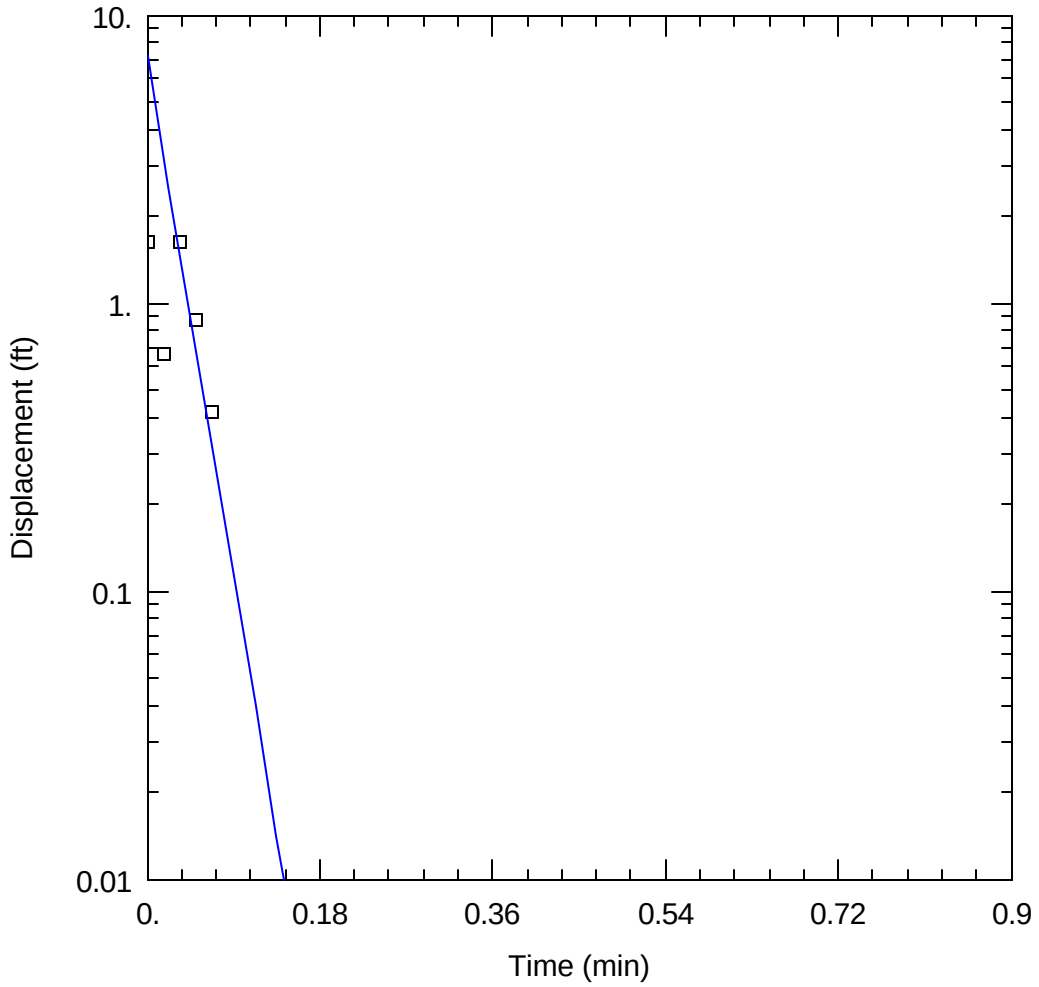
Saturated Thickness: 101. ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-8(M))

Initial Displacement: 1.09 ft Water Column Height: 58.95 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.1713 ft/min y0 = 1.577 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-8(Deep IN).aqt
Date: 11/07/03 Time: 08:16:26

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/06/02

AQUIFER DATA

Saturated Thickness: 101.1 ft Anisotropy Ratio (Kz/Kr): 0.5

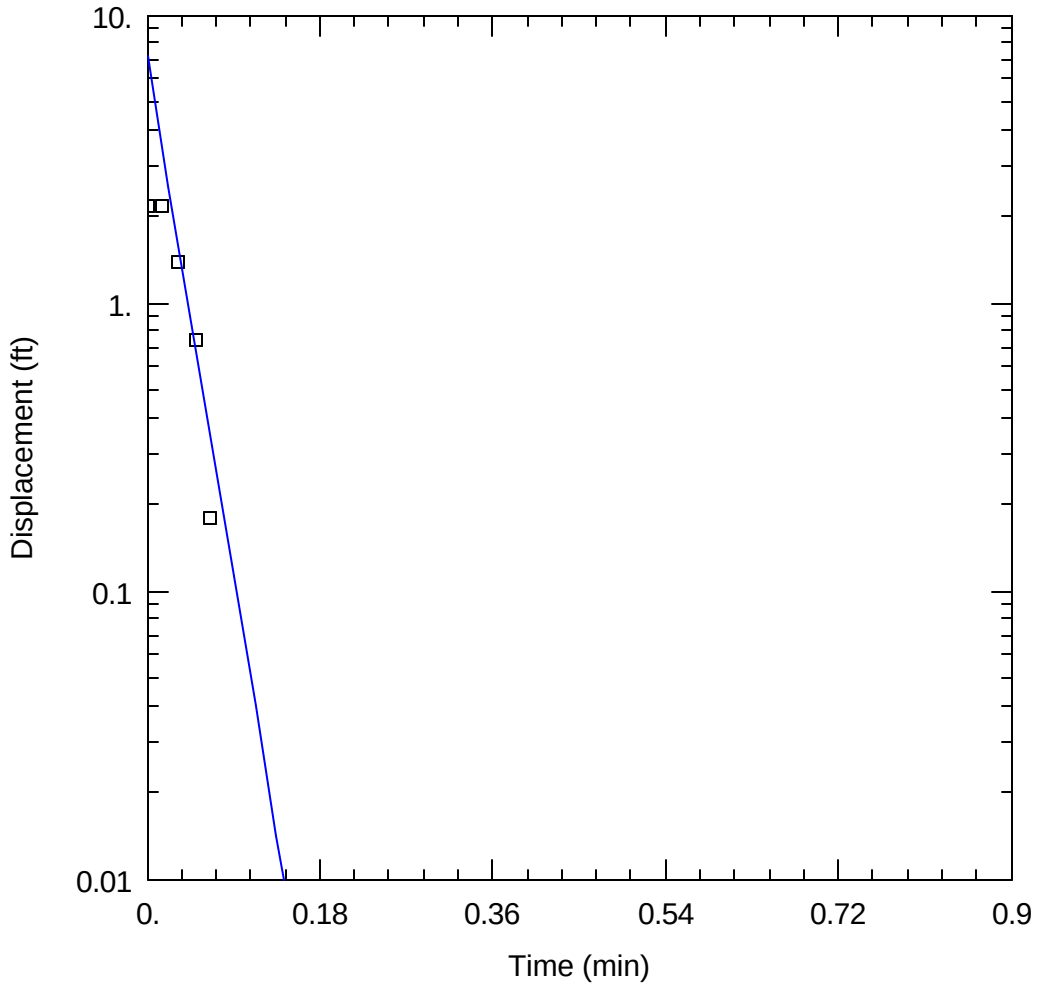
WELL DATA (PIEZ-8(D))

Initial Displacement: 1.63 ft
Casing Radius: 0.042 ft
Screen Length: 10. ft
Water Column Height: 101.1 ft
Wellbore Radius: 0.25 ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.1748 ft/min y0 = 7.187 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-8(Deep OUT).aqt
Date: 11/07/03 Time: 08:16:20

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/06/02

AQUIFER DATA

Saturated Thickness: 101.1 ft Anisotropy Ratio (Kz/Kr): 0.5

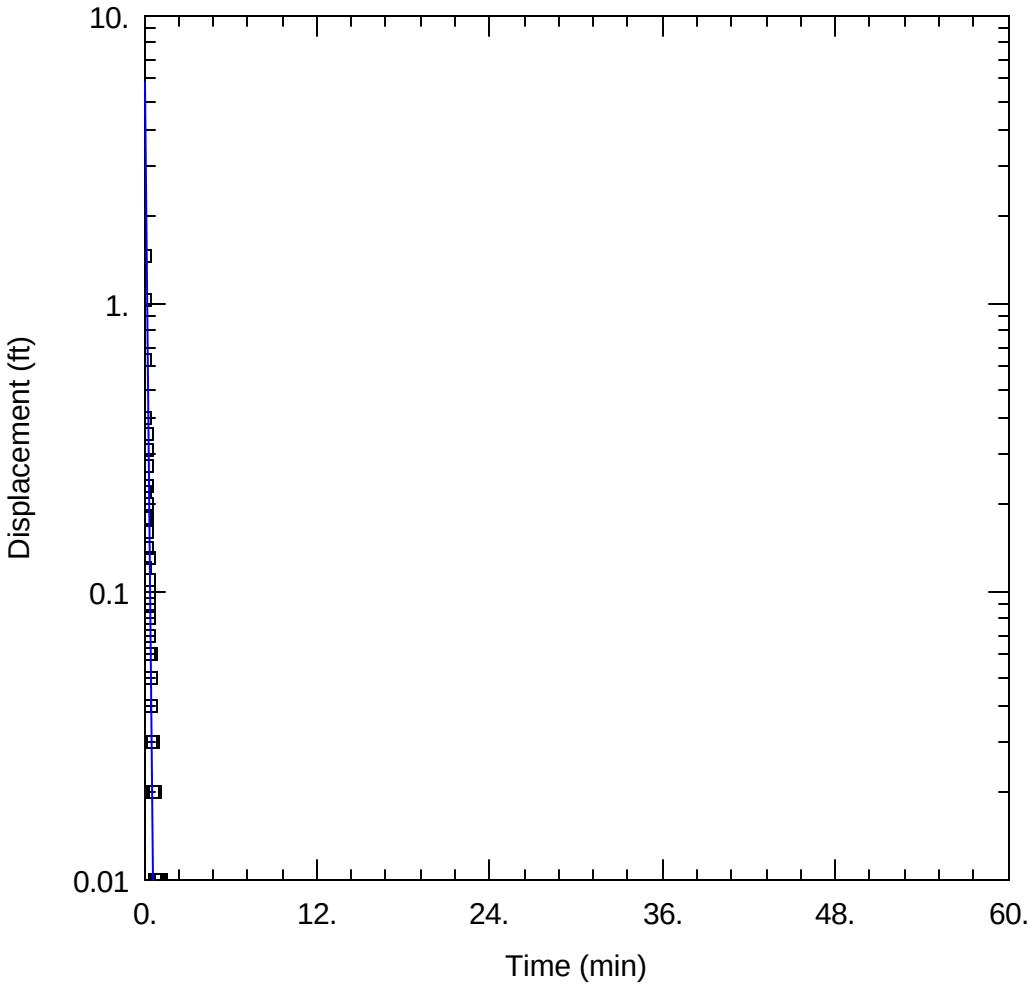
WELL DATA (PIEZ-8(D))

Initial Displacement: 2.18 ft
Casing Radius: 0.042 ft
Screen Length: 10. ft
Water Column Height: 101.1 ft
Wellbore Radius: 0.25 ft
Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.1748 ft/min y0 = 7.187 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-9 (Shallow IN).aqt
Date: 11/07/03 Time: 08:16:11

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/09/02

AQUIFER DATA

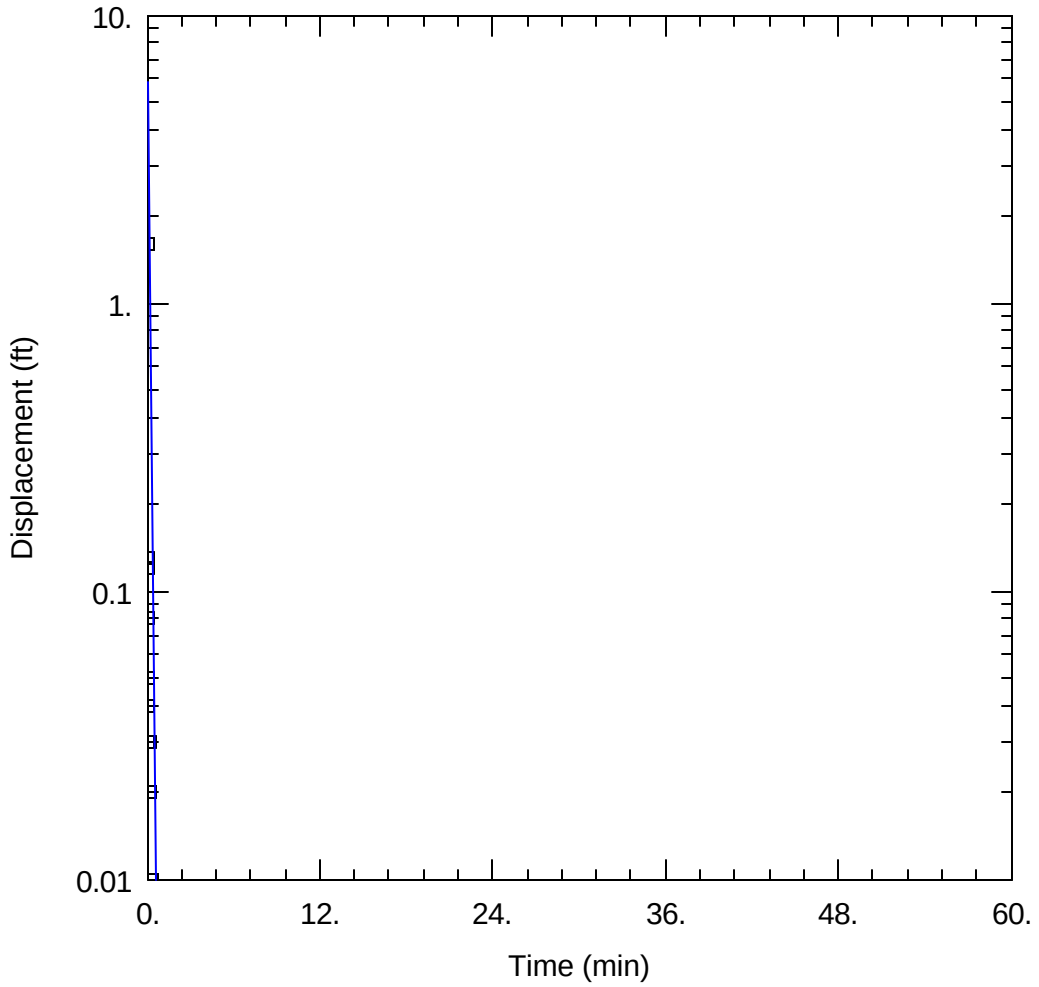
Saturated Thickness: 97.4 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-9(S))

Initial Displacement: 1.45 ft Water Column Height: 11.4 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0329 ft/min y0 = 5.883 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-9 (Shallow OUT).aqt
Date: 11/07/03 Time: 08:16:05

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/09/02

AQUIFER DATA

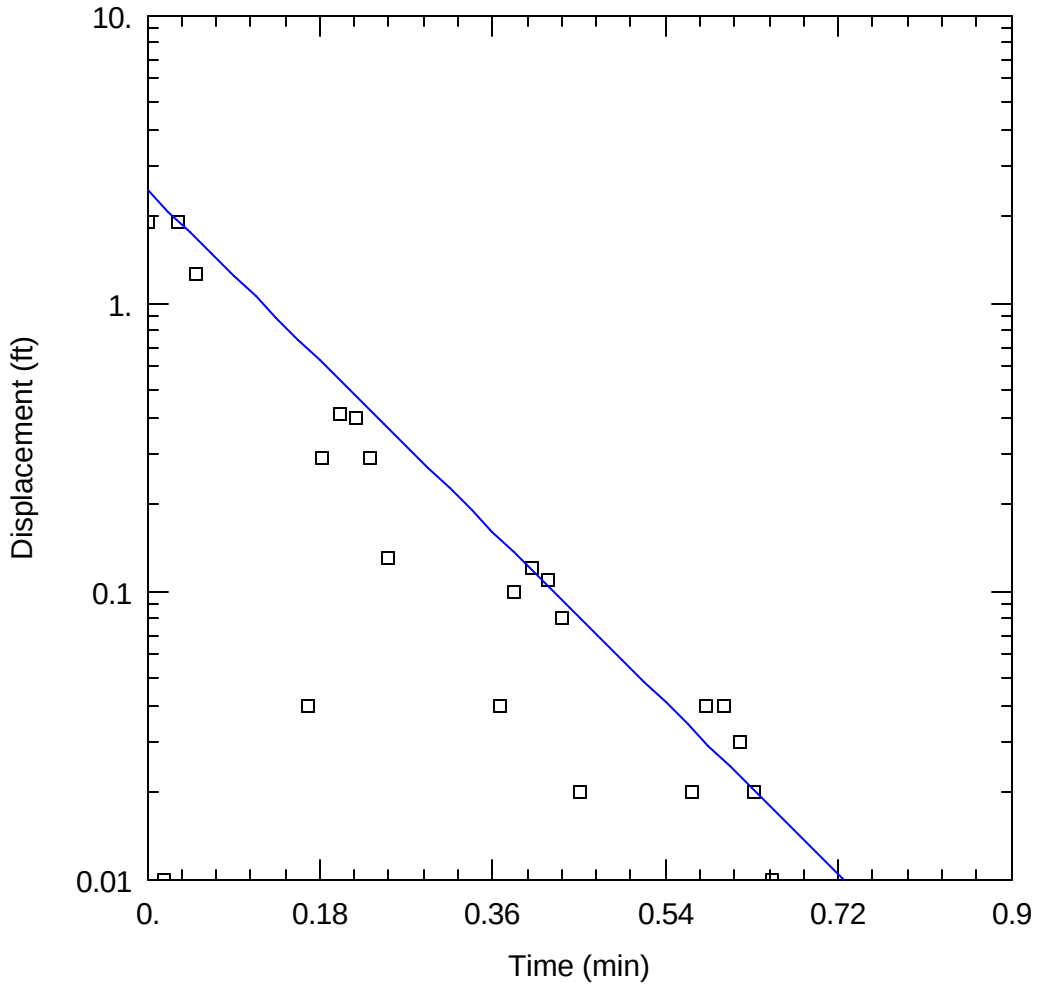
Saturated Thickness: 97.4 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-9(S))

Initial Displacement: 1.61 ft Water Column Height: 11.4 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0329 ft/min y0 = 5.883 ft



WELL TEST ANALYSIS

Data Set: K:\ENVIRON\23-20010024.00 (SA2)\Field Files\Slug Tests\Aqutesolv Files\Piez-9(Deep IN).aqt
Date: 11/07/03 Time: 08:15:58

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/09/02

AQUIFER DATA

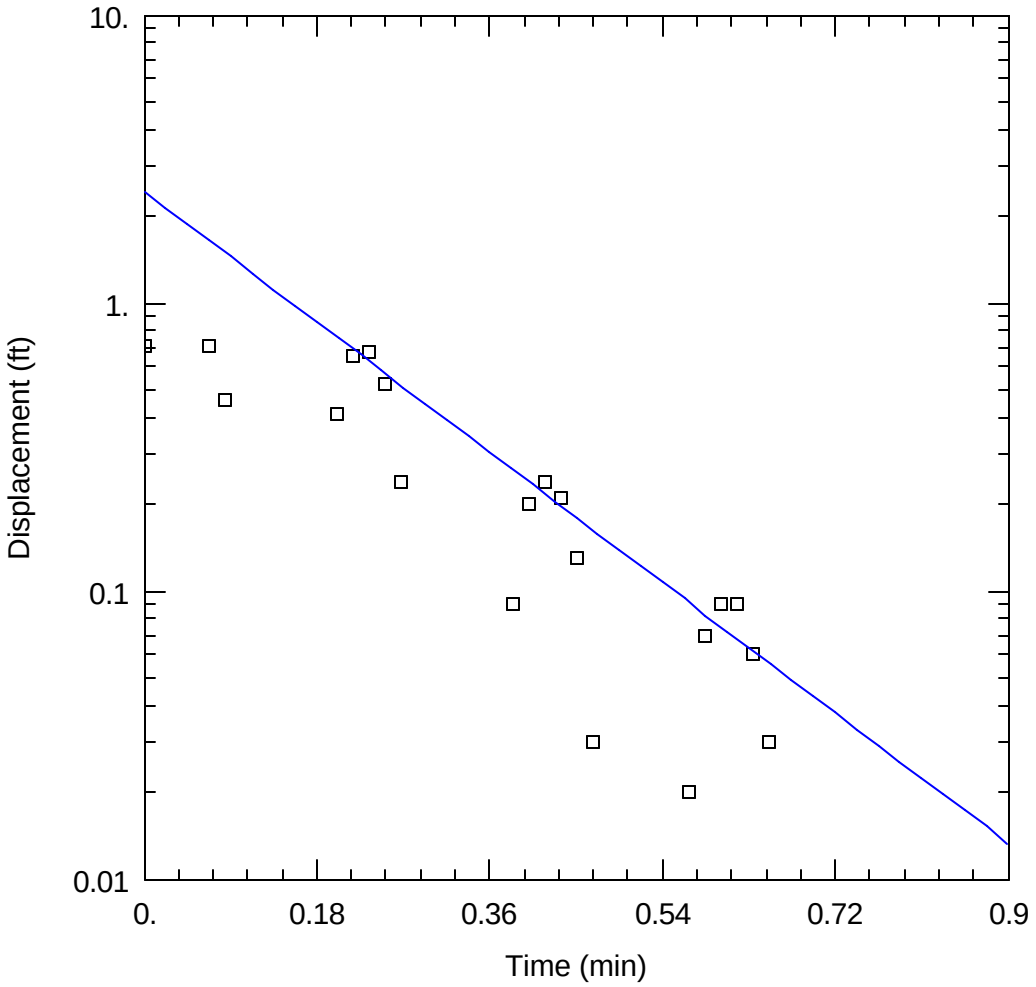
Saturated Thickness: 97.43 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-9(D))

Initial Displacement: 1.91 ft Water Column Height: 97.43 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.02859 ft/min y0 = 2.472 ft



WELL TEST ANALYSIS

Data Set: K:\...\Piez-9(Deep OUT).aqt
Date: 11/07/03 Time: 08:15:52

PROJECT INFORMATION

Company: URS
Client: Sauget Area 2
Project: 21560888
Test Location: Sauget, IL
Test Date: 09/09/02

AQUIFER DATA

Saturated Thickness: 97.43 ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (PIEZ-9(D))

Initial Displacement: 0.71 ft Water Column Height: 97.43 ft
Casing Radius: 0.042 ft Wellbore Radius: 0.25 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.25

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0218 ft/min y0 = 2.438 ft

APPENDIX P

THIN SECTION ANALYSIS

-FINAL REPORT-

POROSITY TYPES STUDY
INVOLVING THIN SECTION MODAL ANALYSIS
OF CONVENTIONAL CORE SAMPLES
FOR
URS CORPORATION
SAUGET AREA-2

OMNI Laboratories, Inc.

OMNI Laboratories, Inc.

(832) 237-4000
8845 Fallbrook • Houston, Texas 77064

4 December, 2003

Ms. Brandy Higgins
URS Corporation
1001 Highlands Plaza Drive W.
Ste. 300
St. Louis, MO 63110

SUBJECT: *Final Report – Thin Section Modal Analysis*
Sauget Area-2
OMNI File No. G-20068

Dear Ms. Higgins:

Fifty-four (54) conventional core samples from the above referenced area were submitted for thin section preparation and modal analysis. This final report provides thin section modal analysis (point count) results for porosity distribution, and thin section photomicrograph descriptions. Thin section photomicrographs were sent earlier under separate cover (report dated March, 2003). One (1) copy of this report has been provided, additional copies can be provided upon request. This report acts to replace the March, 2003 report text, although photomicrographs from the earlier report should be inserted under this cover.

It has been a pleasure to provide this study for URS Corporation. Please feel free to contact us if you have any questions concerning this report or if we can be of further service.

Sincerely,
OMNI LABORATORIES, INC.

Michael Dixon
Manager, Geologic Services

M. Charles Manske
Sedimentologist

The interpretations or opinions expressed represent the best judgement of OMNI Laboratories, Inc. and it assumes no responsibility and makes no warranty or representations, as to the productivity, proper operation, or profitableness of any oil, gas or any other mineral well. These analyses, opinions or interpretations are based on observations and materials supplied by the client for whom this report is made.

OMNI
Laboratories, Inc.

INTRODUCTION

Fifty-four (54) conventional core samples were selected for thin section preparation, photomicrography with descriptions, and quantitative porosity types determination. These samples were taken from Sauget Area-2.

Sample identifications are given in Table 1 (below).

TABLE 1

SAMPLE IDENTIFICATONS AND ANALYSES PERFORMED

Sample Identification	Detailed T.S. Porosity Determination	T.S. Photo./ Description
O-1-132	X	X
O-1-134	X	X
O-1-136	X	X
O-1-139	X	X
O-1-142	X	X
O-1-145	X	X
O-1-147	X	X
O-1-151	X	X
O-1-153	X	X
P-1-137	X	X
P-1-139	X	X
P-1-141	X	X
P-1-143	X	X
P-1-145	X	X
P-1-148	X	X
P-1-151	X	X
P-1-153	X	X
P-1-155	X	X
P-1-158	X	X
Q-1-142	X	X
Q-l-145.5	X	X
Q-1-149.5	X	X
Q-1-151.5	X	X
Q-1-153.5	X	X
Q-1-155.5	X	X
Q-1-157	X	X
Q-1-159	X	X
Q-1-161	X	X
Q-1-163	X	X
Q-2-126	X	X
Q-2-129	X	X
Q-2-131	X	X

Q-2-133	X	X

TABLE 1 (cont.)

SAMPLE IDENTIFICATIONS AND ANALYSES PERFORMED

Sample Identification	Detailed T.S. Porosity Determination	T.S. Photo./ Description
Q-2-135	X	X
Q-2-137	X	X
Q-2-141	X	X
Q-2-143	X	X
R-1-142	X	X
R-1-144	X	X
R-1-146	X	X
R-1-149	X	X
R-1-151	X	X
R-1-153	X	X
R-1-155	X	X
R-1-157	X	X
R-1-159	X	X
R-1-161	X	X
R-1-163	X	X
S-1-147	X	X
S-1-155	X	X
S-1-157	X	X
S-1-159	X	X
S-1-161	X	X
S-1-163	X	X
S-1-165	X	X

These analyses were performed in order to address two main objectives: 1) to assess general rock type and depositional fabric; and 2) to assess general reservoir quality and porosity distribution.

SUMMARY OF PETROGRAPHIC RESULTS

These fifty-four (54) samples are all described as carbonate rocks. Fifty (50) of these samples are identified as limestones, with only three (3) categorized as dolostones (Q-2-141, Q-2-143, S-1-147), and one (1) as a chert (P-1-139).

The limestones are mainly packstones and grainstones, with lime wackestones and mudstones occasionally detected as well. These rock types reflect typically moderate to high energy during sediment deposition. Micritic matrix has commonly been replaced by microspar. Laminations observed in many samples are defined by a change in rock type, or by concentrations of organics, and even siliciclastic clay material. The dolostones appear to represent dolomitized lime wackestones, whereas the chert represents a silicified spiculitic packstone. Stylolitic seams, evidencing intense chemical compactional effects, are rare.

Quartz silt and sand are rarely encountered, as are muscovite mica particles. Plant remains (carbonaceous material, organics) are frequently noted. Glauconite pellets, which are indicative of marine deposition, are rare as well. A wide variety of allochems are present in these limestones and dolostones, including common echinoids/crinoids and pellets. Other allochems include undifferentiated micritic grains, various mollusks, brachipods, algal-coated grains, ooids, algal material, bryozoans, and chambered foraminifera (forams). Sponge spicules are locally abundant in the chert sample (P-1-139).

The original micritic groundmass in these samples (with the exception of the dolomitized samples) has typically been partially to entirely replaced by microspar (fine crystalline calcite). Similarly, fine-crystalline dolomite has entirely replaced depositional micrite in the dolostones (Q-2-141, Q-2-143, S-1-147). The chert sample (P-1-139) represents a silicified spiculitic packstone. Besides the extensive dolomite in restricted intervals, other common secondary (authigenic) components include blocky to coarse calcite spar, the most common cement within the limestones. Pyrite is found in a trace amount in many limestones as well. Anhydrite and bitumen are rare. Relatively coarse calcite spar fills moldic pores and is also found in interparticle areas.

Reservoir quality is related to the degree of effective pore space present in these rocks, and is typically very poor. Many samples; however, have moderate or better reservoir quality, including the dolostones (Q-2-141, Q-2-143, S-1-147) and chert (P-1-139), as well as limestone samples Q-2-129 and S-1-157. Overall, porosity averages 3% (by volume) in the sample suite as a whole (Appendix B). By rock type, this corresponds to 24% (by volume) in the chert, 20% (by volume) in the dolostones, and <2% (by volume) in the limestones. Porosity is somewhat better in the dolostones, due to volume changes related

to recrystallization, and to allochem leaching in both the dolostones and the cherts. Overall for the sample suite, in order of decreasing abundance, pore types include moldic, intercrystalline, microscopic, interparticle, intraparticle, vuggy, fracture, and solution seam varieties.

APPENDIX A

PETROGRAPHIC ANALYTICAL PROCEDURES

Thin Section Petrographic Analysis

Samples for thin section analysis were submitted by the client. Preparation procedures involved using a vacuum impregnation method with blue-dyed epoxy. These thin sections were later stained for the carbonate minerals calcite and ankerite. Thin sections were covered with index oil and temporary cover slips, and analyzed using standard petrographic techniques. These techniques included point-count modal analysis of 200 counts per slide to determine porosity types and volumes.

Photomicrography, two (2) photos per sample, and descriptions of each were also performed.

APPENDIX B

THIN SECTION MODAL ANALYSIS DATA
POROSITY TYPES AND VOLUMES

Quantitative Porosity Determination
Thin Section Point Count Modal Analysis
URS Corporation

Sample ID.	Intercryst.	Moldic	Vuggy	Micro.*	Intraparticle	Interparticle	Fracture	Solution Seam	Total
O-1-132	0	0	0	0	0	0	0	0	0
O-1-134	0	0	0	0	0	0	0	0	0
O-1-136	0	0	0	0	0	0	0	0	0
O-1-139	0	0	0	0	0	0	0	0	0
O-1-142	0	0	0	0	0	0	0	0	0
O-1-145	0	0	0	0	0	0	0	0	0
O-1-147	0	0	0	tr	tr	0	0	0	tr
O-1-151	2	2	0	1	0	0	0	0	5
O-1-153	1	2	0	tr	0	0	tr	0	3
P-1-137	0	0	0	0	0	0	0	0	0
P-1-139	3	7	tr	4	tr	10	0	0	24
P-1-141	0	0	0	0	0	0	0	0	0
P-1-143	0	0	0	0	0	0	0	0	0
P-1-145	tr	0	0	0	0	0	0	0	tr
P-1-148	tr	0	0	0	0	tr	0	0	tr
P-1-151	tr	tr	0	3	tr	0	0	0	3
P-1-153	tr	0	1	tr	0	0	tr	0	1
P-1-155	0	0	0	0	0	0	0	0	0
P-1-158	0	0	0	0	0	0	0	0	0
Q-1-142	0	0	0	0	0	0	0	0	0
Q-I-145.5	0	0	0	0	0	0	0	0	0
Q-1-149.5	0	0	0	0	0	0	0	0	0
Q-1-151.5	0	0	0	0	0	0	0	0	0
Q-1-153.5	0	0	0	tr	0	0	0	0	tr
Q-1-155.5	0	0	0	tr	tr	tr	0	0	tr
Q-1-157	0	0	0	tr	tr	0	0	0	tr
Q-1-159	tr	0	0	0	0	0	0	0	tr
Q-1-161	tr	tr	0	3	0	0	0	0	3
Q-1-163	0	0	0	0	0	0	0	0	0

* Includes only those detectable in thin section, as indicated by bluish haze. Does not include very small micropores certain to be present within micrite and very fine microspar/dolomite. A66.

Quantitative Porosity Determination
Thin Section Point Count Modal Analysis
URS Corporation

Sample ID	Intercryst.	Moldic	Vuggy	Micro.*	Intraparticle	Interparticle	Fracture	Solution Seam	Total
Q-2-126	4	tr	0	6	tr	2	0	0	12
Q-2-129	7	1	0	2	tr	5	0	0	15
Q-2-131	1	tr	0	3	2	1	0	0	7
Q-2-133	tr	tr	0	tr	tr	0	0	0	tr
Q-2-135	0	0	0	0	0	0	0	0	0
Q-2-137	0	0	0	tr	tr	0	0	0	tr
Q-2-141	8	14	tr	2	0	tr	0	0	24
Q-2-143	6	13	tr	2	0	tr	0	0	21
R-1-142	0	tr	1	3	tr	0	0	0	4
R-1-144	2	4	tr	2	0	0	tr	0	8
R-1-146	tr	0	0	tr	0	0	0	0	tr
R-1-149	4	2	0	3	0	tr	0	tr	9
R-1-151	0	0	0	tr	tr	0	tr	0	tr
R-1-153	0	0	0	0	0	0	0	0	0
R-1-155	0	0	0	0	0	0	0	0	0
R-1-157	0	tr	0	tr	0	0	0	0	tr
R-1-159	1	tr	0	1	0	0	0	0	2
R-1-161	0	0	0	tr	tr	0	0	0	tr
R-1-163	0	0	0	0	0	0	0	0	0
S-1-147	5	6	1	2	tr	0	0	0	14
S-1-155	tr	tr	0	tr	0	0	tr	0	tr
S-1-157	5	4	0	3	0	0	0	0	12
S-1-159	0	tr	0	0	0	0	0	0	0
S-1-161	0	0	0	0	0	0	0	0	0
S-1-163	0	0	0	0	0	0	0	0	0
S-1-165	0	0	0	0	0	0	0	0	0

* Includes only those detectable in thin section, as indicated by bluish haze. Does not include very small micropores certain to be present within micrite and very fine microspar/dolomite. tr = trace (<0.5%).

APPENDIX C

THIN SECTION PHOTOMICROGRAPHS WITH DESCRIPTIVE CAPTIONS

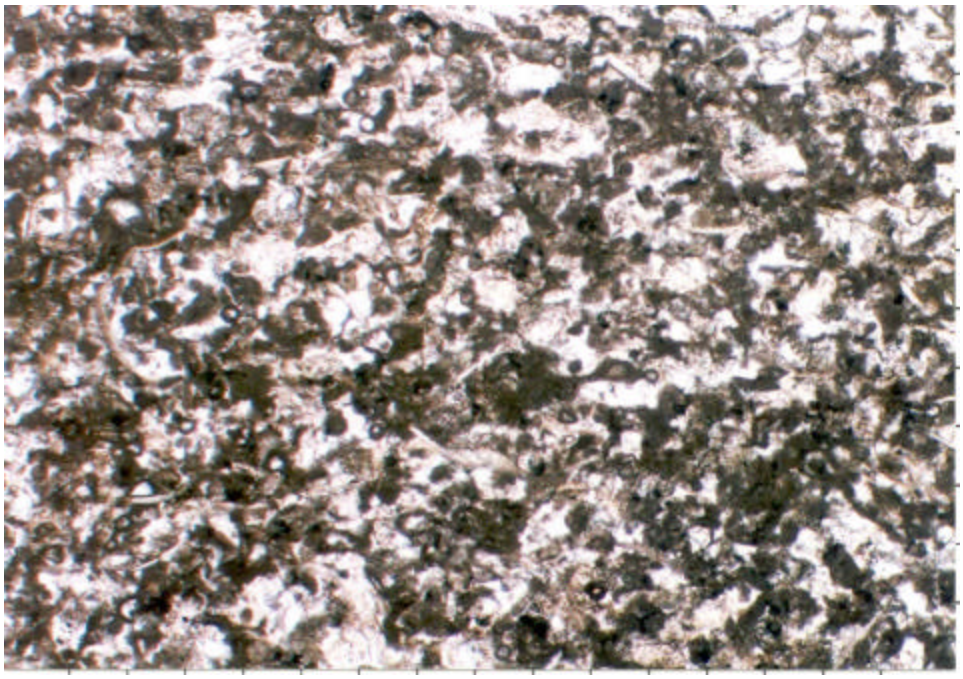
URS Corporation **File No.: G-20068**
Sauget Area-2

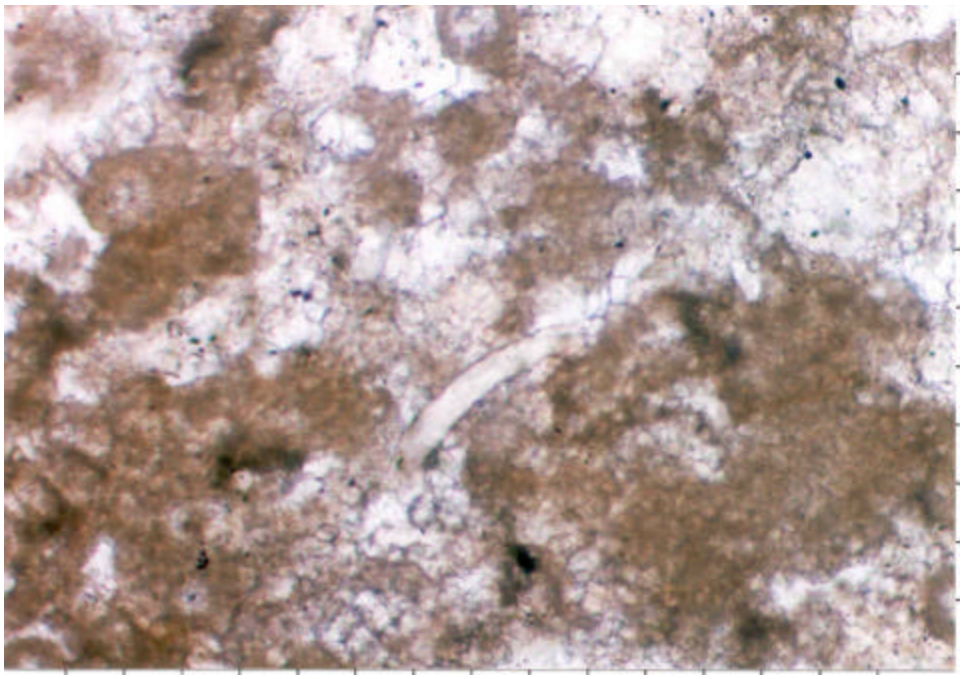
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: O-1-132

PLATE 1

Dunham Rock Type:	**Pelletal Lime Packstone to Grainstone**
Fabric & Matrix:	**Micrite and microspar matrix in lower energy zones; higher energy grainstone areas are spar calcite-cemented**
Cements/Replacement:	**Spar calcite cement in cleaner zones; minor micrite matrix recrystallization to microspar**
Allochems/Grains:	**Abundant pellets (Plate 1B; B8); common undiff. micritized grains; rare miliolid and other chambered forams; minor pelecypod mollusks; minor crinoid debris; minor algal-coated grains; minor ostracod fragments (Plate 1B; F8) ; trace quartz silt**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

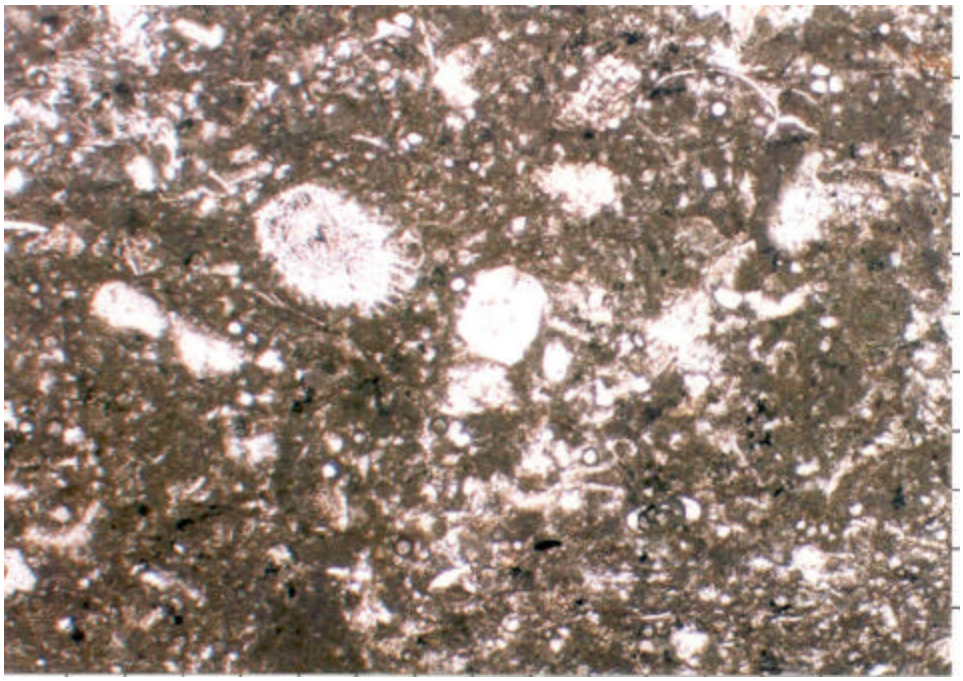
Sauget Area-2

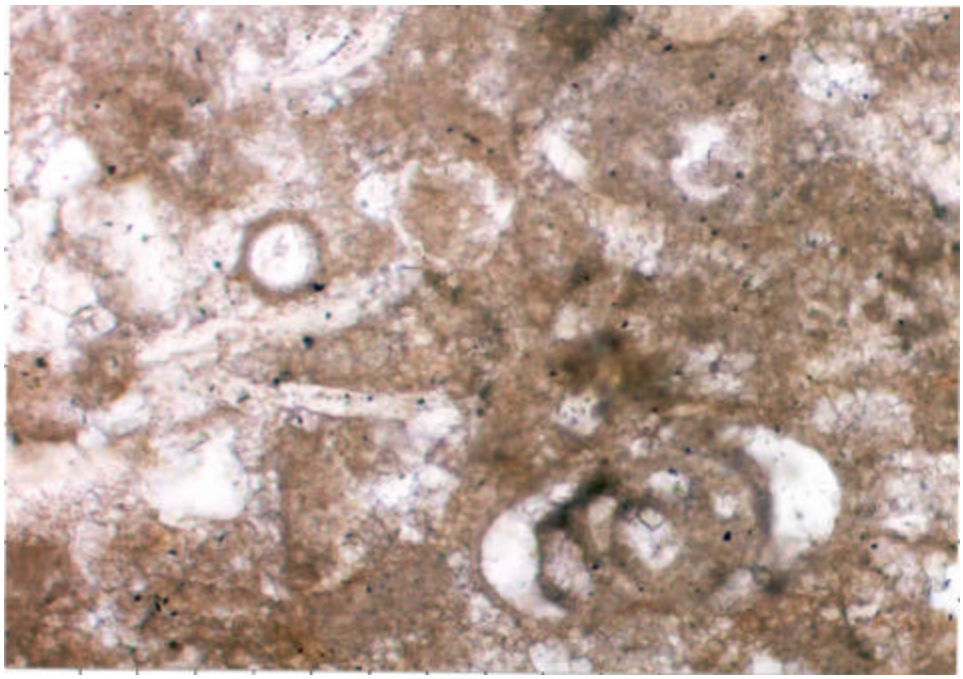
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: O-1-134

PLATE 2

Dunham Rock Type:	**Lime packstone**
Fabric & Matrix:	**Abundant micritic matrix; much "psuedomatrix" resulting from compaction of micritic grains (pellets and others) giving rock a wackestone appearance in some areas**
Cements/Replacement:	**Minor spar calcite pore fill; rare isopachous calcite grain rims; trace megaquartz void fill**
Allochems/Grains:	**Abundant crinoids/echinoids (Plate 2A; D-E8); abundant pellets (Plate 2B; A12.5); common undiff. micritized grains; common algal-coated grains; minor mollusks; rare ostracods; rare quartz silt**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

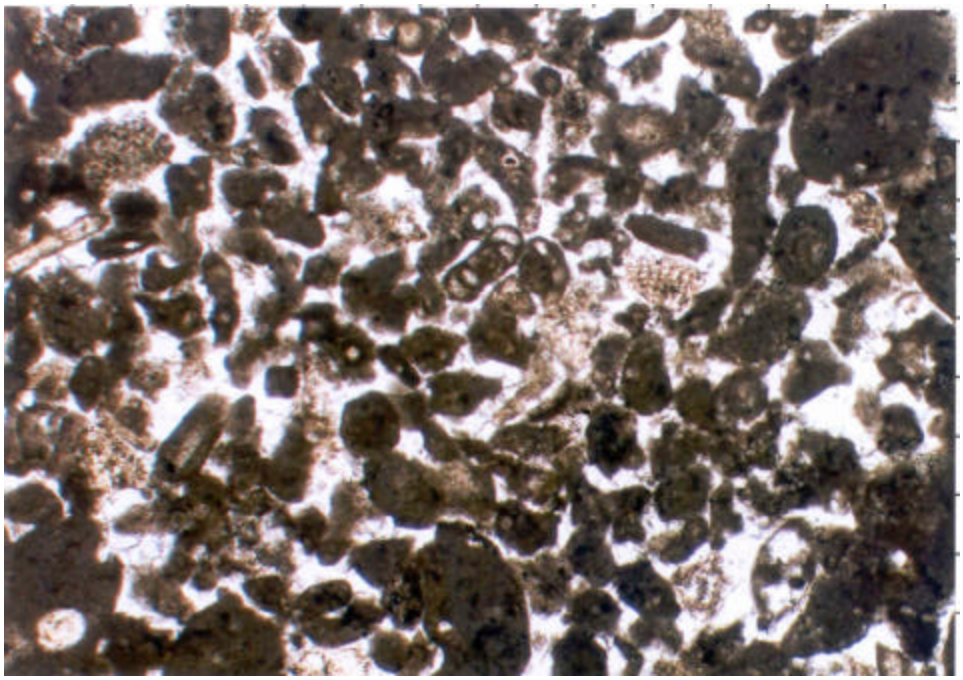
Sauget Area-2

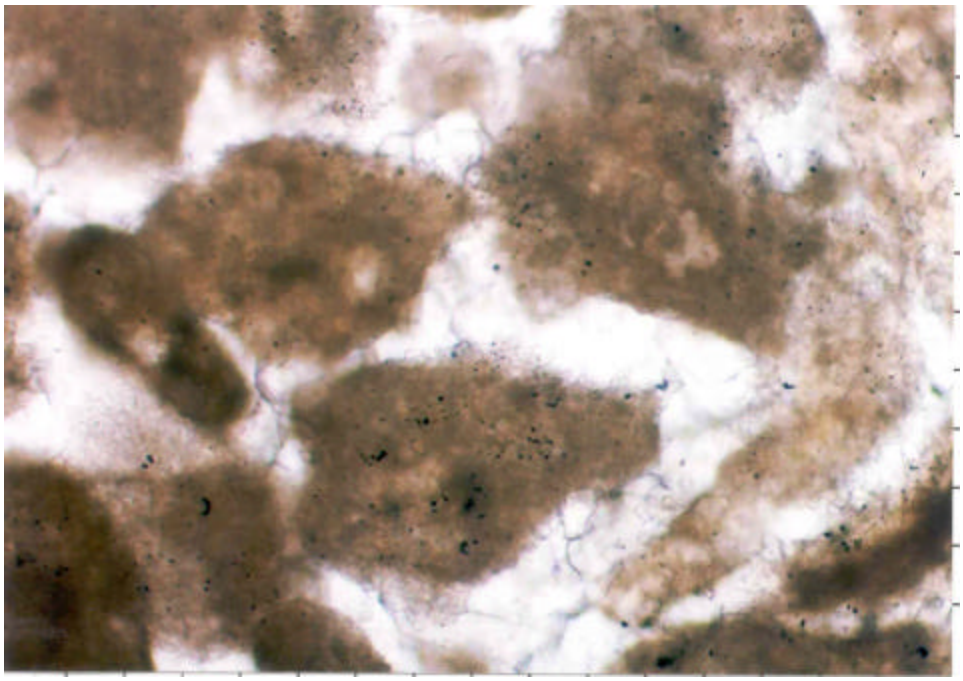
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: O-1-136

PLATE 3

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**Rare micritic matrix in sparse lower energy portions; moderately compacted prior to cementation**
Cements/Replacement:	**Early "dogtooth" spar (Plate 3B; H-J14.5) coats many grains; later blocky to coarse spar (Plate 3B; E-F10.5) completely fills intergranular pore space**
Allochems/Grains:	**Mainly micritic types; including common intraclasts (Plate 3A; K8); common undiff. micritic grains (Plate 3A; A2); minor pellets; minor ooids, minor mollusks; rare chambered forams (D8.5); common crinoid plates/stems**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

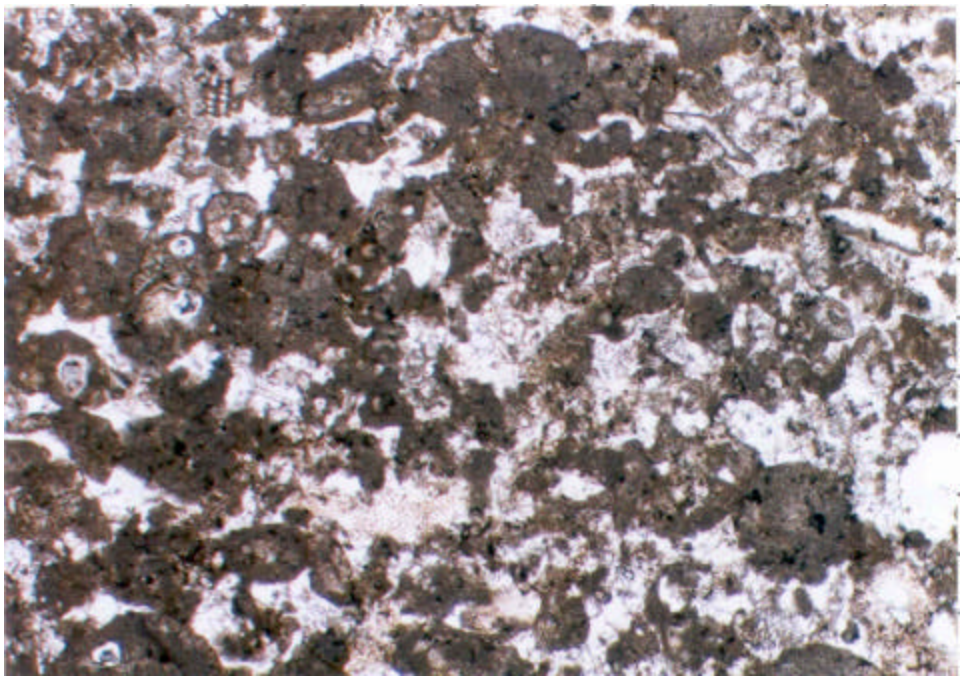
Sauget Area-2

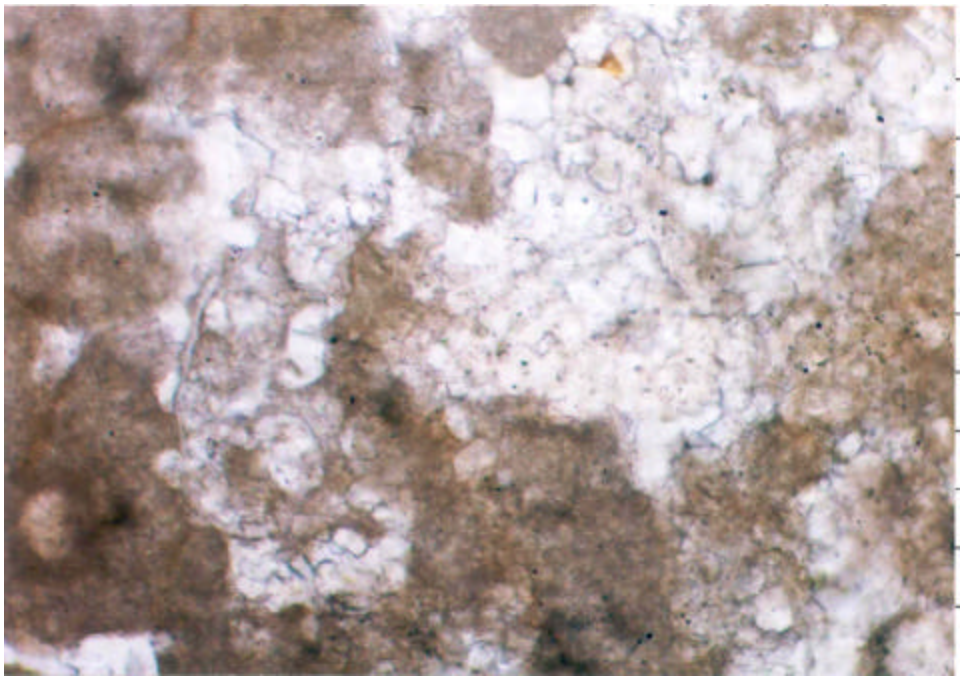
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: O-1-139

PLATE 4

Dunham Rock Type:	**Lime Packstone to Grainstone**
Fabric & Matrix:	**Packstone areas contain micritic matrix**
Cements/Replacement:	**Common blocky calcite cement (Plate 4B; A-B10.5) in grainstone areas**
Allochems/Grains:	**Common crinoids (Plate 4A; H-J14.5); common, undifferentiated micritic grains (Plate 4A; A9); minor mollusks (Plate 4A; A-B11.5)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

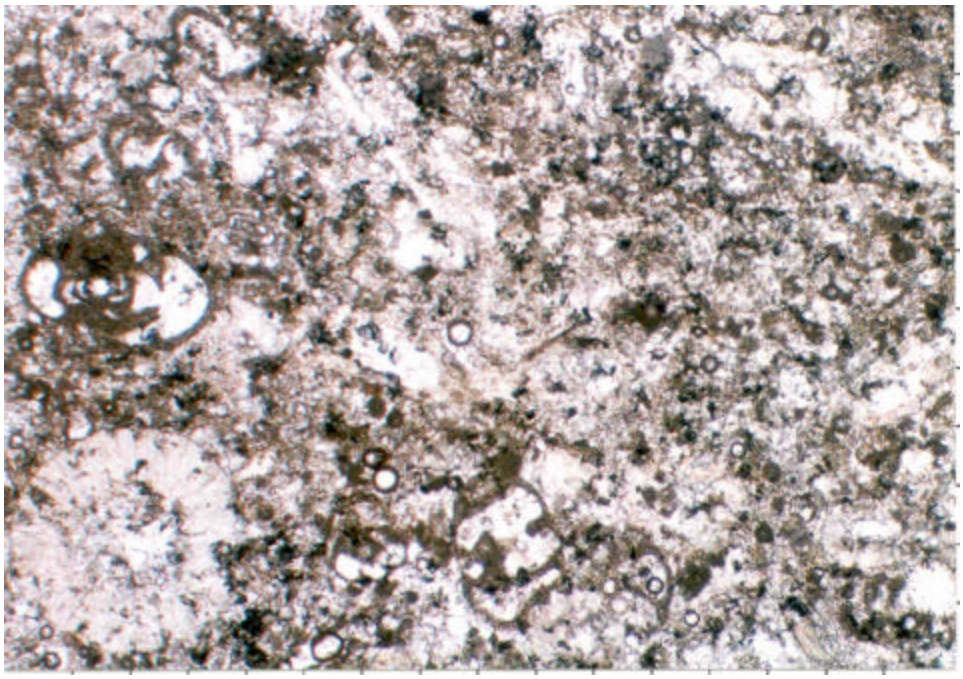
Sauget Area-2

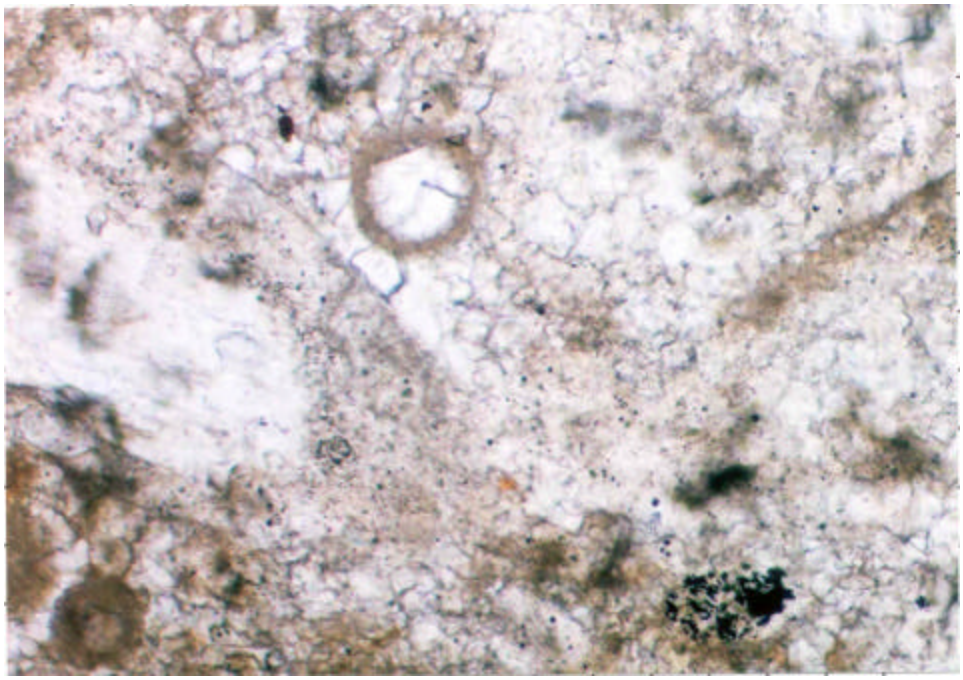
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: O-1-142

PLATE 5

Dunham Rock Type:	**Lime Packstone**
Fabric & Matrix:	**Micritic matrix has mainly been replaced by microspar (Plate 5B; K5)**
Cements/Replacement:	**Common blocky calcite spar (Plate 5B; D-E7.5); rare pyrite (Plate 5B; K13)**
Allochems/Grains:	**Common crinoids (Plate 5A; J2); common pellets (Plate 5A; D-E15.5); minor mollusks (Plate 5A; B6,D-E1)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

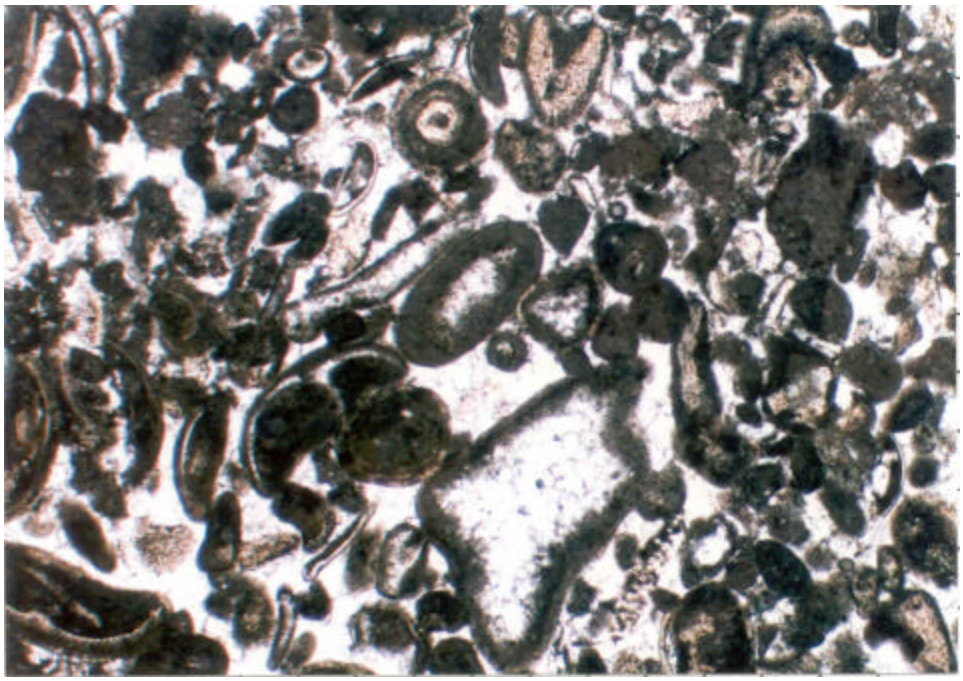
Sauget Area-2

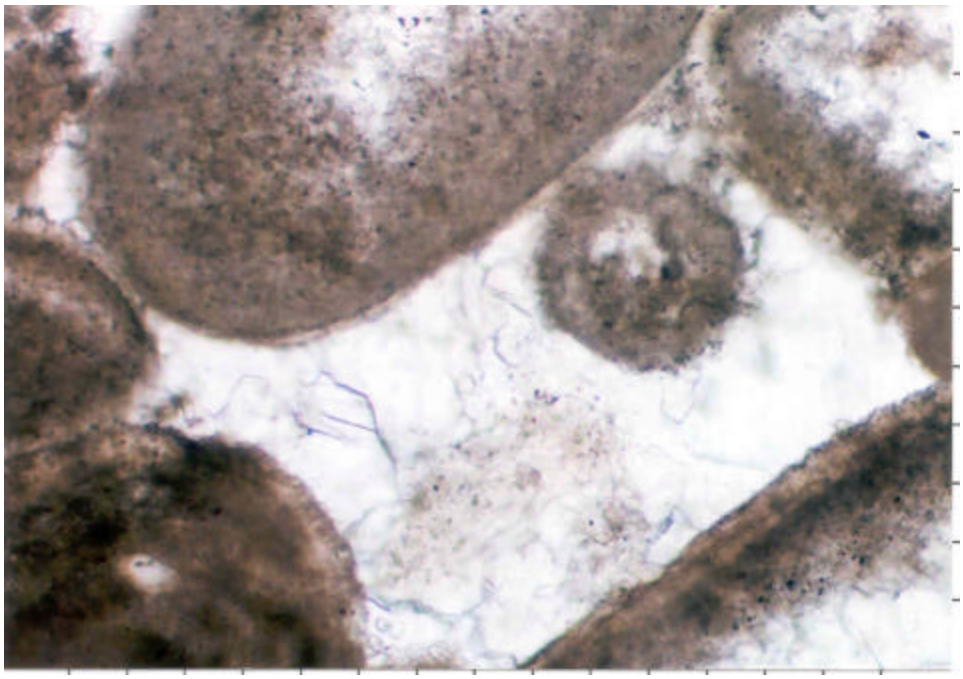
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: O-1-145

PLATE 6

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**This clean rock contains little or no matrix, and represents a high energy environment of deposition**
Cements/Replacement:	**Abundant blocky to coarse calcite spar (Plate 6B; F-G5)**
Allochems/Grains:	**Common echinoderm spines (Plate 6A; B7.5), crinoid plates (Plate 6A; H9), and echinoids (Plate 6A; A9.5); minor ooids (Plate 6A; G7), mollusks (Plate 6A; D-E6.5), and undifferentiated micritic clasts (Plate 6A; C14)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

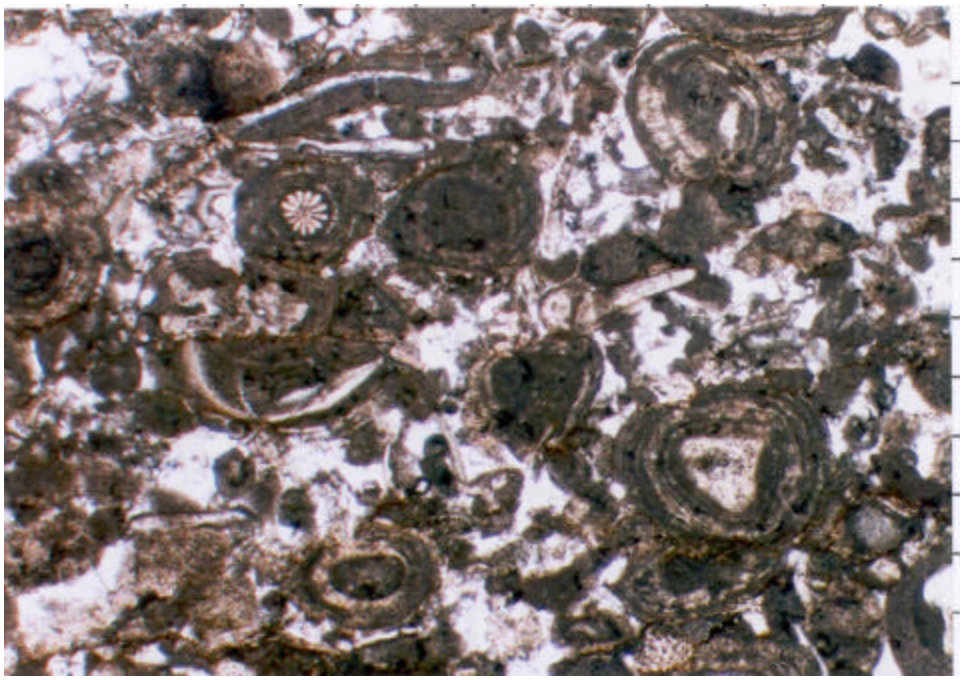
Sauget Area-2

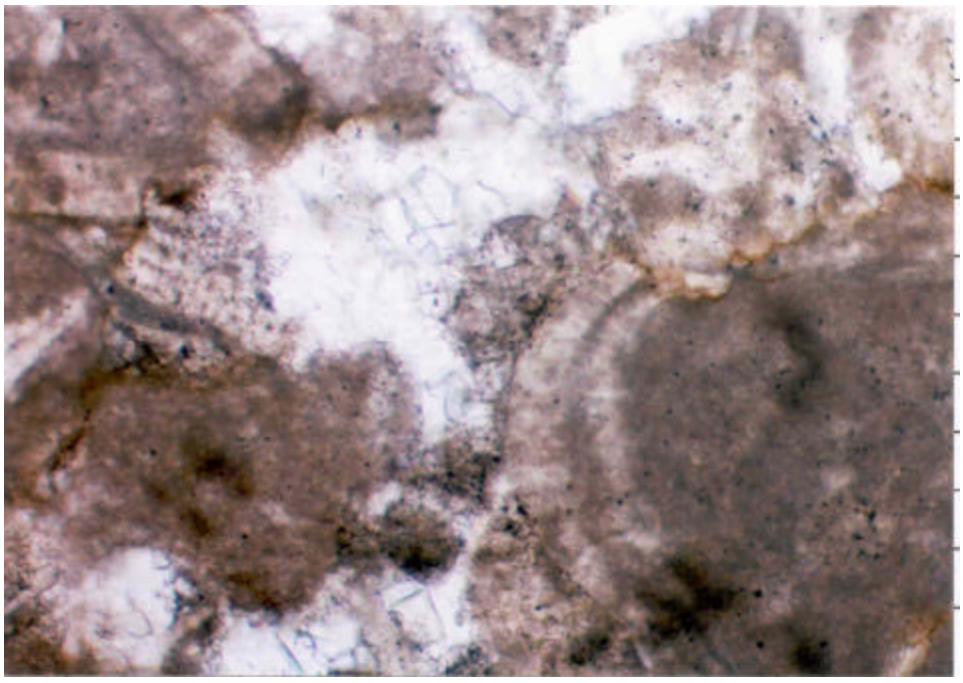
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: O-1-147

PLATE 7

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**Minor micrite (Plate 7A; G-H14) is noted in limited regions**
Cements/Replacement:	**Moderate amounts of calcite spar cement (Plate 7B; C7)**
Allochems/Grains:	**Echinoderm spines (Plate 7A; C-D5), crinoid plates (Plate 7A; G-H12.5), and other allochems act as nuclei of ooids (Plate 7A; C-D8); minor echinoid plates (Plate 7A; K1)**
Porosity & Reservoir Quality:	**A trace amount of intraparticle pore space is noted; microporosity (trace) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Intraparticle pores not observed in this view; micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

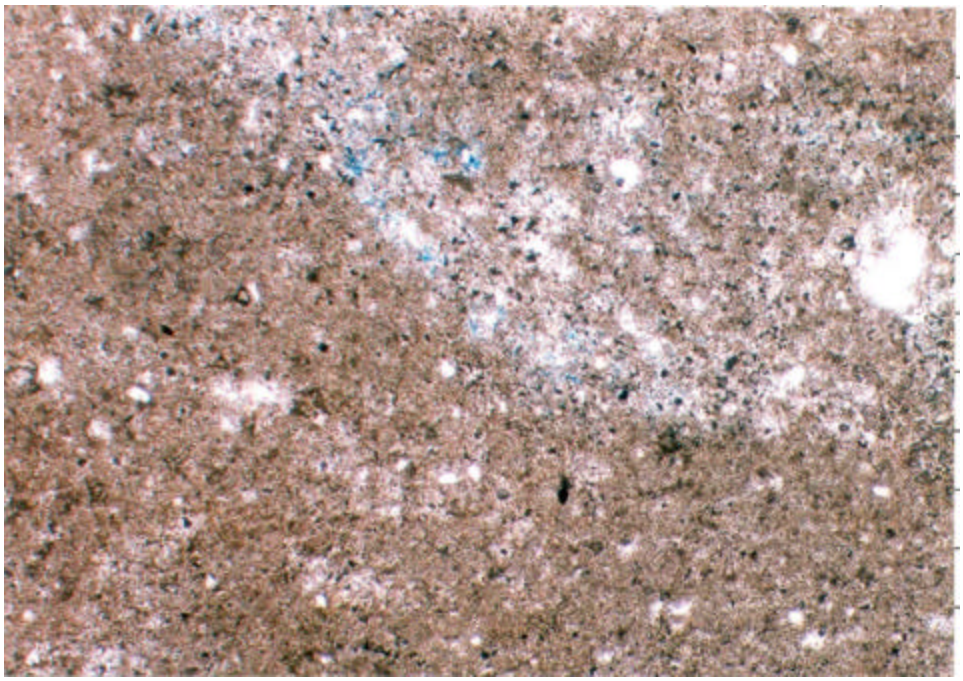
Sauget Area-2

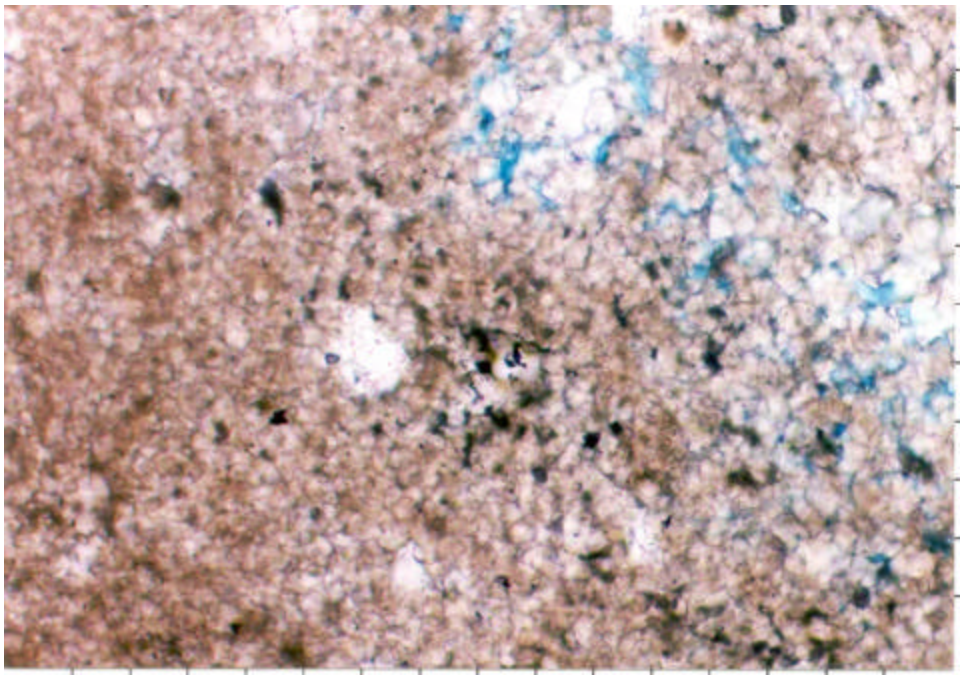
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: O-1-151

PLATE 8

Dunham Rock Type:	**Lime Wackestone**
Fabric & Matrix:	**Abundant depositional micritic matrix has mainly been replaced by microspar (Plate 8B; G2.5); some "zoning" of porosity and filled moldic pores (upper right)**
Cements/Replacement:	**Calcite microspar replacement (Plate 8B; D-E15) is prevalent; minor anhydrite (Plate 8B; D9); minor calcite blocky spar (Plate 8B; B9.5)**
Allochems/Grains:	**Mostly obscured by microspar calcite replacement; minor "ghost" pellets (Plate 8B; D-E2.5) detected**
Porosity & Reservoir Quality:	**Minor visible porosity includes moldic, intercrystalline, and intraparticle types; microporosity (approx. 3% by volume) is associated with micritic grains and matrix; reservoir quality is considered very poor to poor due to only very minor effective pore space**
Porosity Types:	**4% (by volume) total porosity; intercrystalline pores (Plate 8B; D-E15) area have a moldic origin; micropores are associated with microspar**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

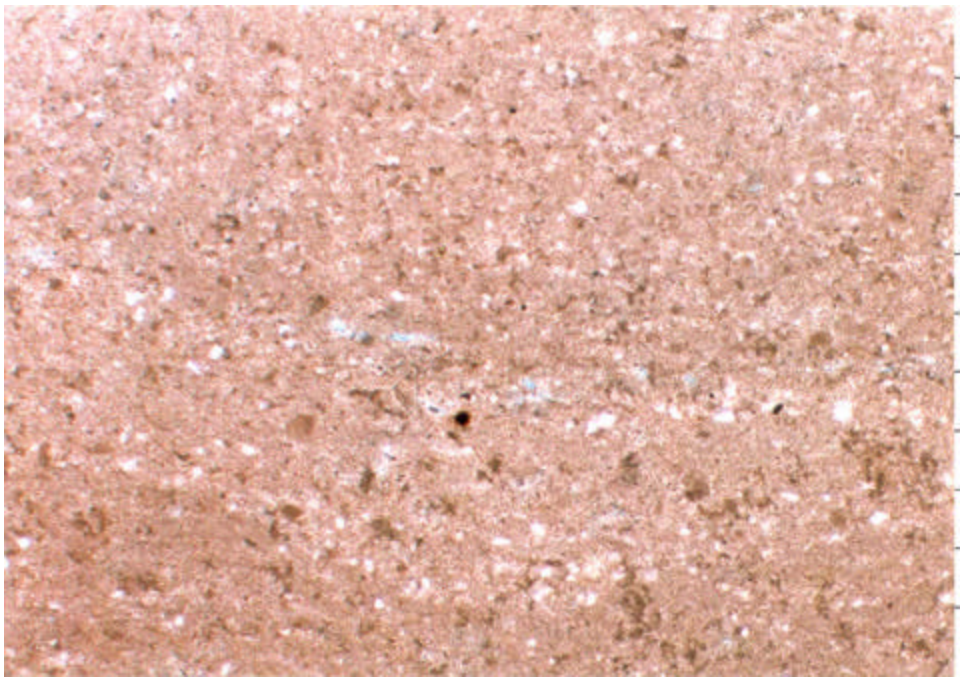
Sauget Area-2

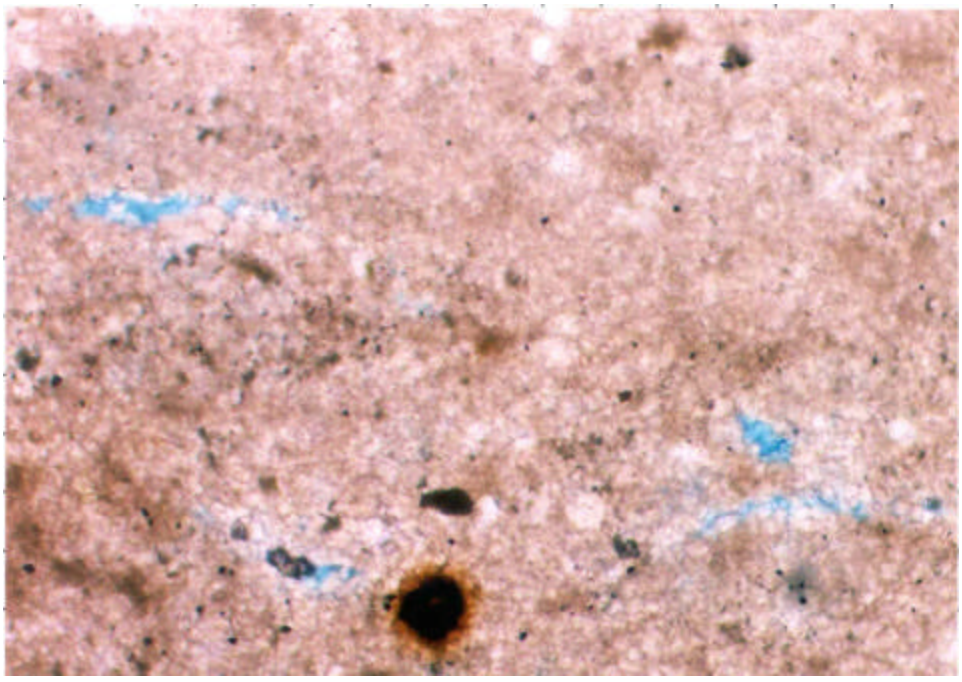
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: O-1-153

PLATE 9

Dunham Rock Type:	**Lime Wackestone**
Fabric & Matrix:	**Abundant micrite has been replaced by microspar (Plate 9B; D10)**
Cements/Replacement:	**Abundant microspar (Plate 9B; pink material); rare replacement pyrite (Plate 9B; H7.5)**
Allochems/Grains:	**Pellets (Plate 9B; B-C10.5); most allochems "hidden" by replacement**
Porosity & Reservoir Quality:	**3% (by volume) visible porosity includes moldic and intercrystalline types; microporosity (approx. a trace amount) is associated with micritic grains and matrix; a trace amount of fracture porosity; reservoir quality is considered very poor to poor, due to a scarcity of effective pore space**
Porosity Types:	**3% (by volume) total porosity; elongate moldic pores (Plate 9B; C2); small moldic pores (Plate 9B; G13); intercrystalline pores; fracture porosity; micropores**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

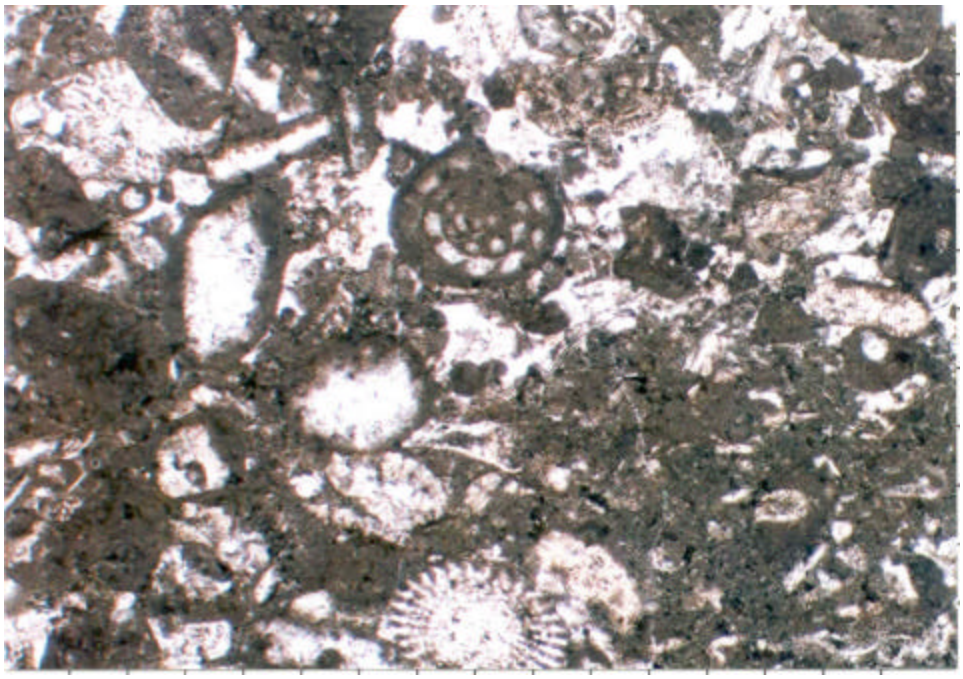
Sauget Area-2

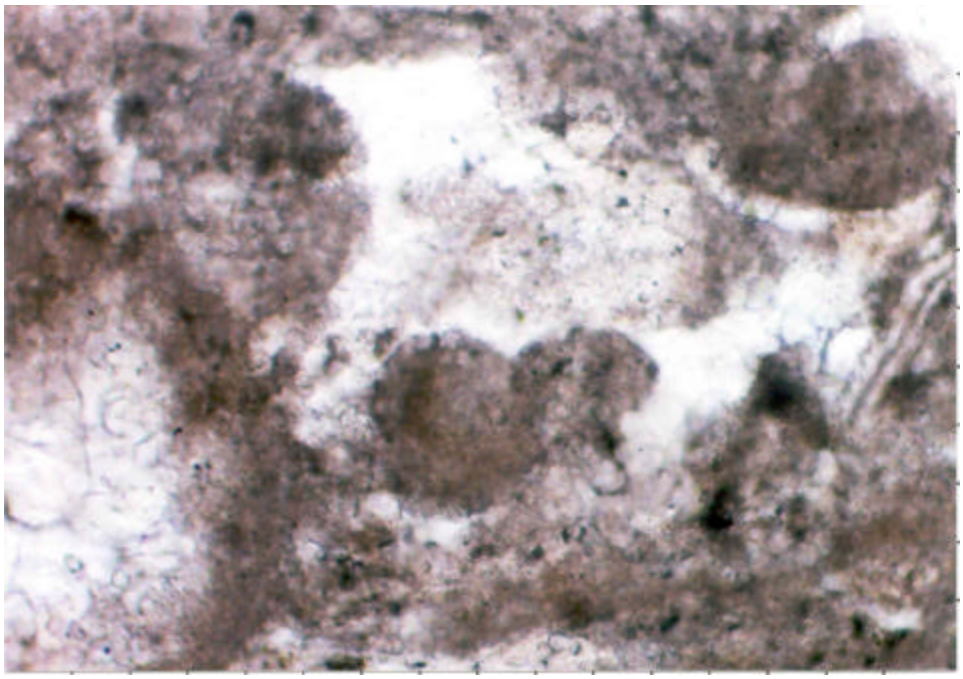
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: P-1-137

PLATE 10

Dunham Rock Type:	**Lime Packstone**
Fabric & Matrix:	**Micrite (Plate 10 A; G-H11.5) surrounds allochems in the majority of this sample**
Cements/Replacement:	**Calcite spar (Plate 10B; B-C9); rare pyrite (Plate 10B; H-J12)**
Allochems/Grains:	**A variety of allochems includes chambered forams (Plate 10A; C8), echinoderm spines (Plate 10B; K8), crinoid plates (Plate 10A; D-E3.5), undifferentiated micritic grains (Plate 10A; F1), and pellets (Plate 10B; G8)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Micropores are likely associated with micritic matrix and grains**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

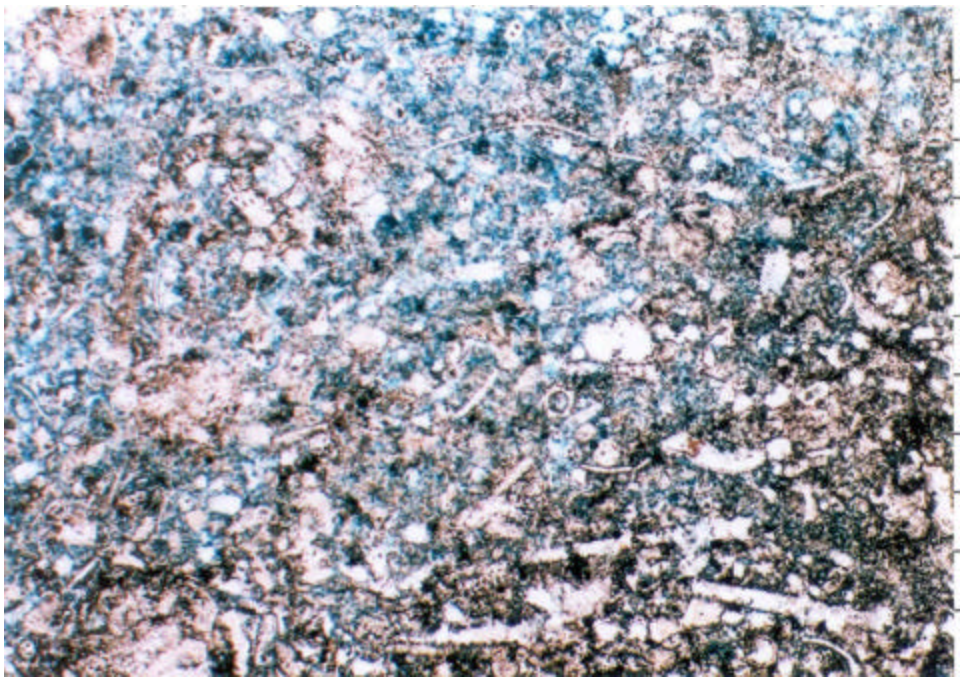
Sauget Area-2

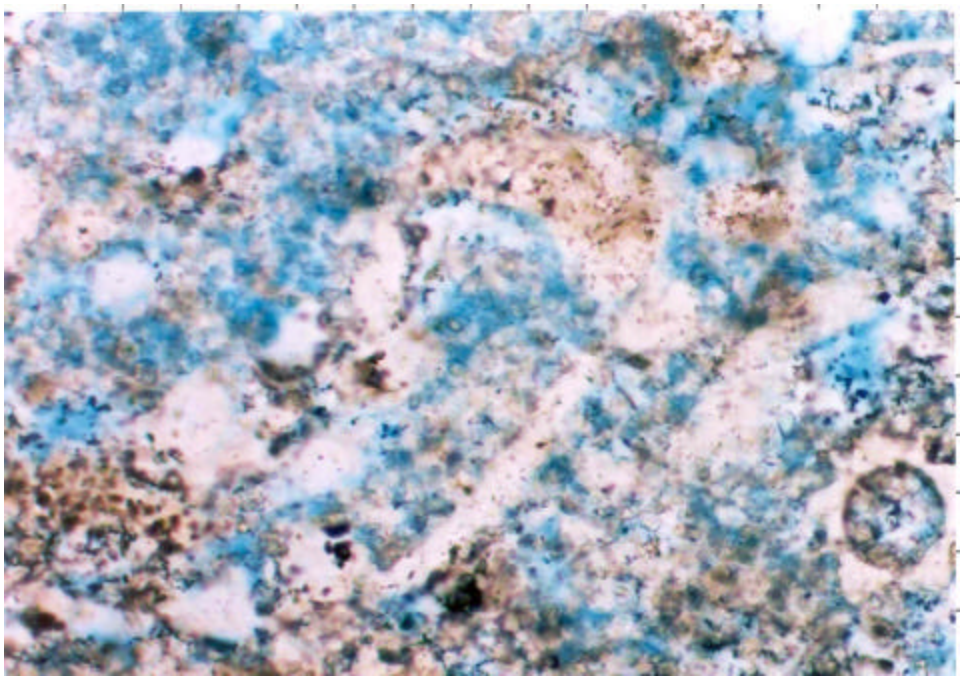
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: P-1-139

PLATE 11

Rock Type:	**Chert**
Fabric & Matrix:	**Minor micrite/microsparite remain in portions of the sample (Plate 11A; lower right); groundmass composed mainly of chert**
Cements/Replacement:	**Extensive silica replacement of what was originally a spiculitic lime packstone**
Allochems/Grains:	**Sponge spicules (Plate 11B; H9) entirely silica-replaced; other silica-replaced fossils of unknown origin (Plate 11A; E-F10.5; D13)**
Porosity & Reservoir Quality:	**Reservoir quality moderate to high; porosity development related to silicification of rock groundmass and common dissolution; visible pores and micropores both common**
Porosity Types:	**24% (by volume) total porosity; interparticle pore space (Plate 11B; D-E9.5); moldic pores (Plate 11B; A-B14.5); intercrystalline pores (Plate 11B; J4.5); intraparticle pores (Plate 11B; H-J15.5); a trace of vuggy pore space observed elsewhere; common microporosity (Plate 11B; J-K14)**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

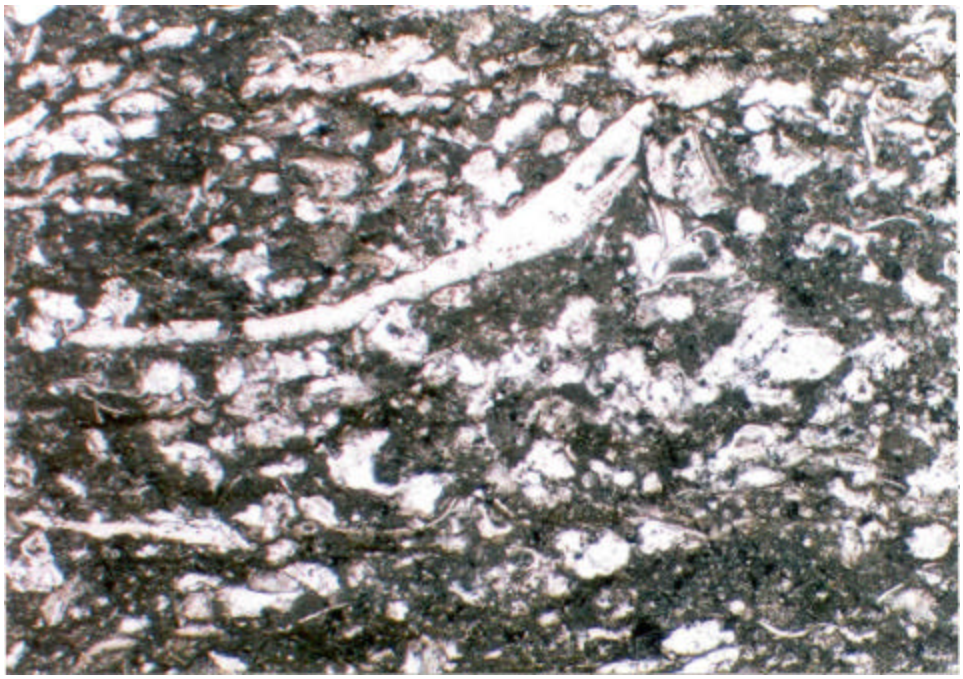
Sauget Area-2

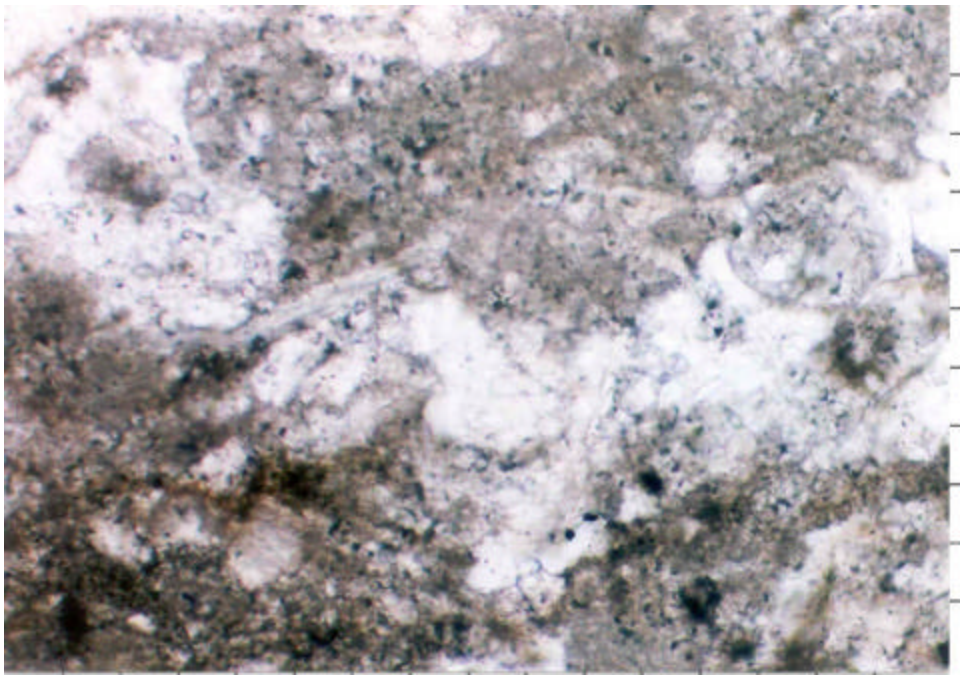
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: P-1-141

PLATE 12

Dunham Rock Type:	**Lime Packstone (minor Wackestone)**
Fabric & Matrix:	**Micrite (Plate 12A; brownish groundmass) is pervasive**
Cements/Replacement:	**Isolated areas of microspar-replaced micrite; minor pyrite replacement (Plate 12B; H11)**
Allochems/Grains:	**Large, elongate brachipod fragment (trending E-F1 to B11 of Plate 12A); common crinoid fragments (Plate 12A; E-F14), mollusks (Plate 12A; A6) and pellets (Plate 12A; B-C9)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Micropores are likely associated with micritic matrix and grains**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

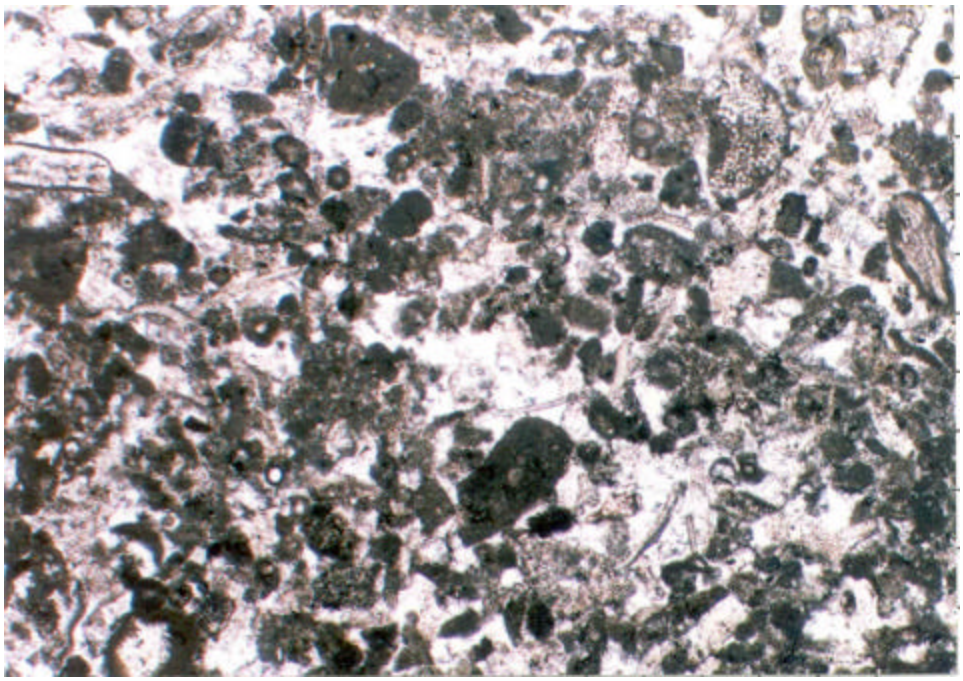
Sauget Area-2

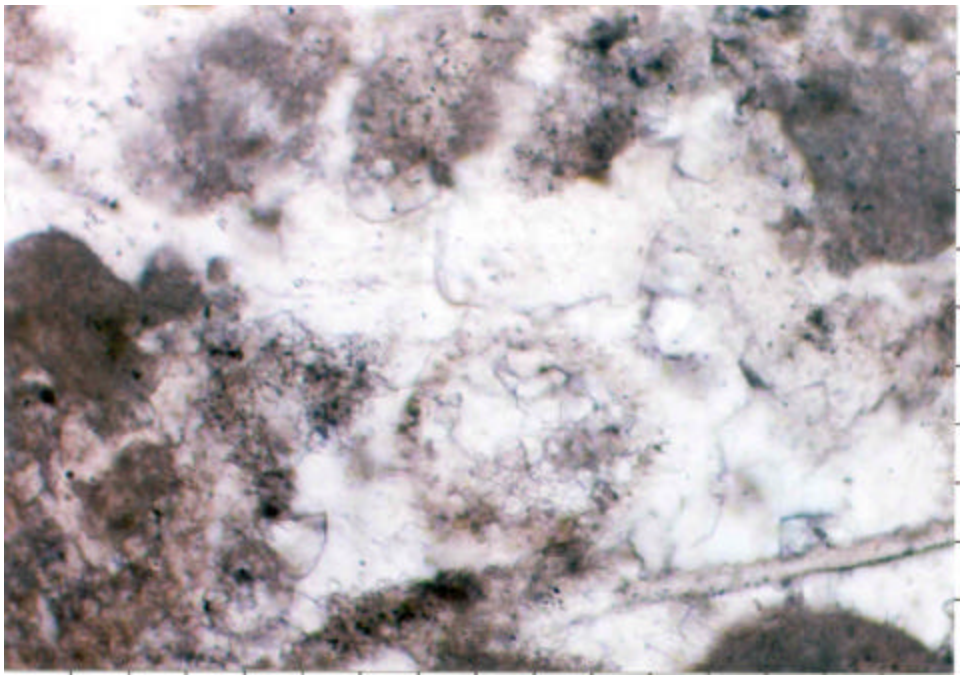
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: P-1-143

PLATE 13

Dunham Rock Type:	**Lime Packstone/Grainstone**
Fabric & Matrix:	**Micrite common in packstone fabric areas (such as around B8 in Plate 13A)**
Cements/Replacement:	**Common blocky to coarse calcite spar (Plate 13B; D12)**
Allochems/Grains:	**Note the micritic intraclast (Plate 13A; A6); other allochems include mollusks (Plate 13A; D15.5), pellets (Plate 13A; A-B7), and ooids (Plate 13A; A14)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Micropores are likely associated with micritic matrix and grains**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

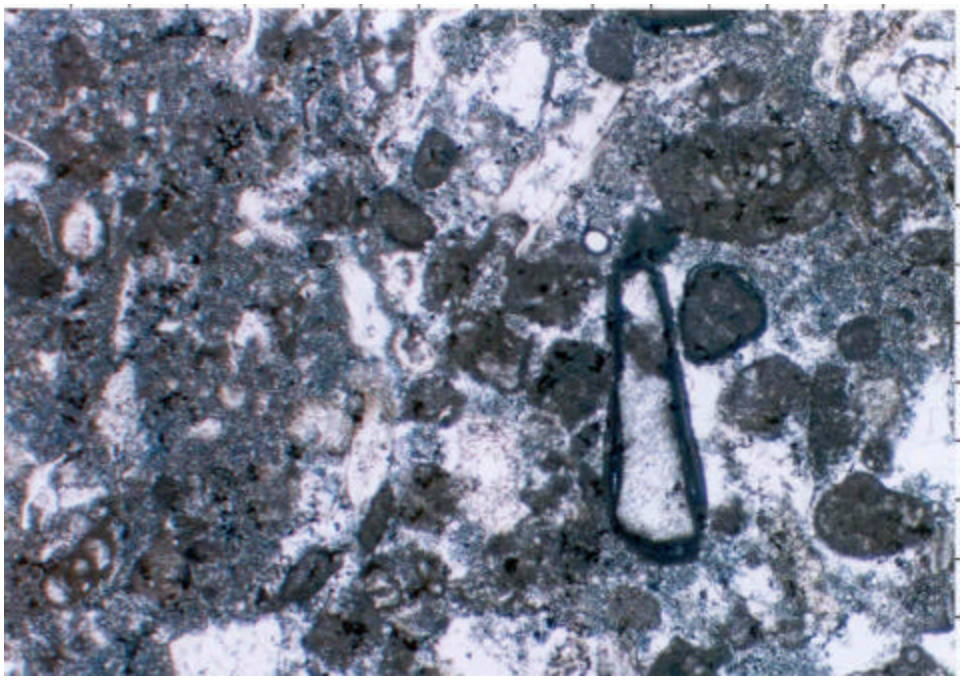
Sauget Area-2

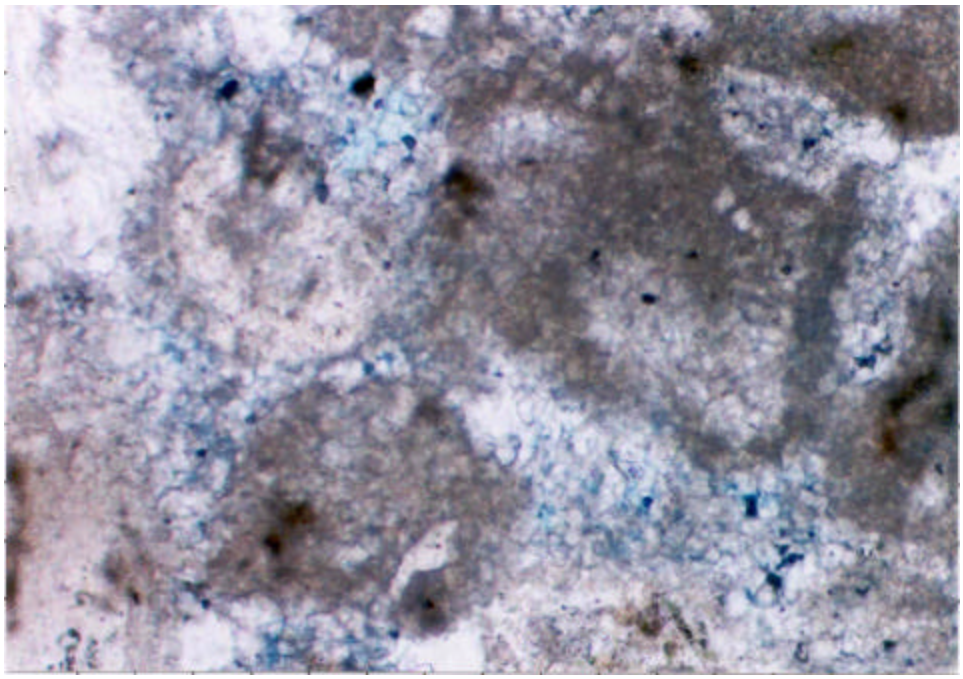
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: P-1-145

PLATE 14

Dunham Rock Type:	**Lime Packstone**
Fabric & Matrix:	**Micrite is unaltered (Plate 14B; C-D11.5) to microspar-replaced (Plate 14B; A9)**
Cements/Replacement:	**Fine, blocky calcite spar (Plate 14B; H-J3.5), replacive pyrite (Plate 14B; A3.5)**
Allochems/Grains:	**Micritic pellets (Plate 14B; G-H5.5); algal-coated grains (Plate 14A; D-E12.5); chambered forams (Plate 14A; J1.5); undifferentiated micritic grains (Plate 14A; D-E12.5); crinoid plates (Plate 14A; G-H8)**
Porosity & Reservoir Quality:	**A trace amount of visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Visible pores are strictly intercrystalline (Plate 14B; H13,H-J9); this view shows much more porosity than the sample as a whole; micropores are likely associated with micritic matrix and grains**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

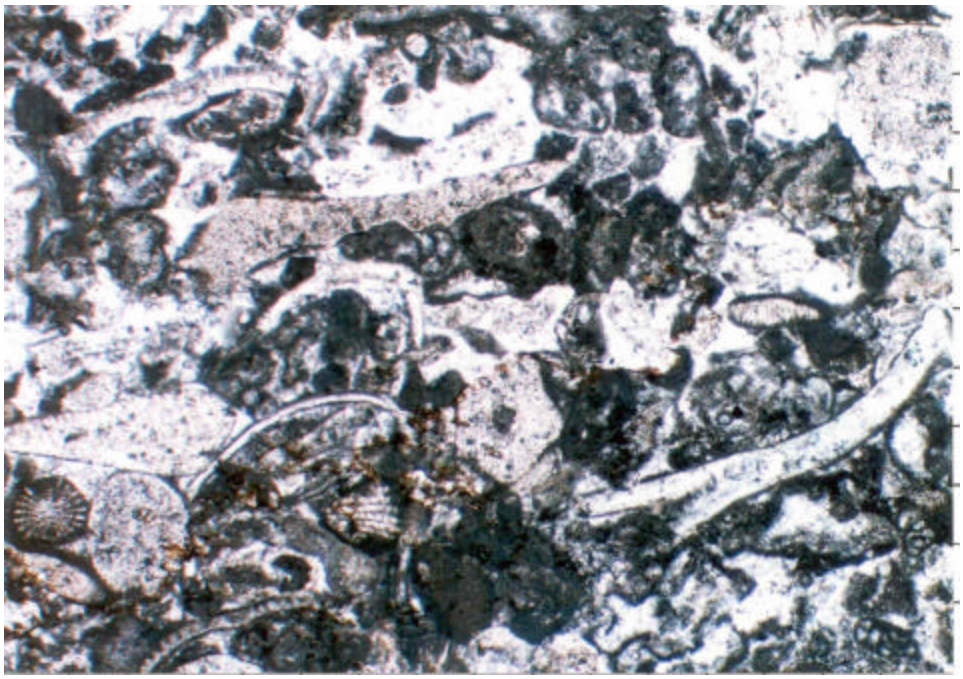
Sauget Area-2

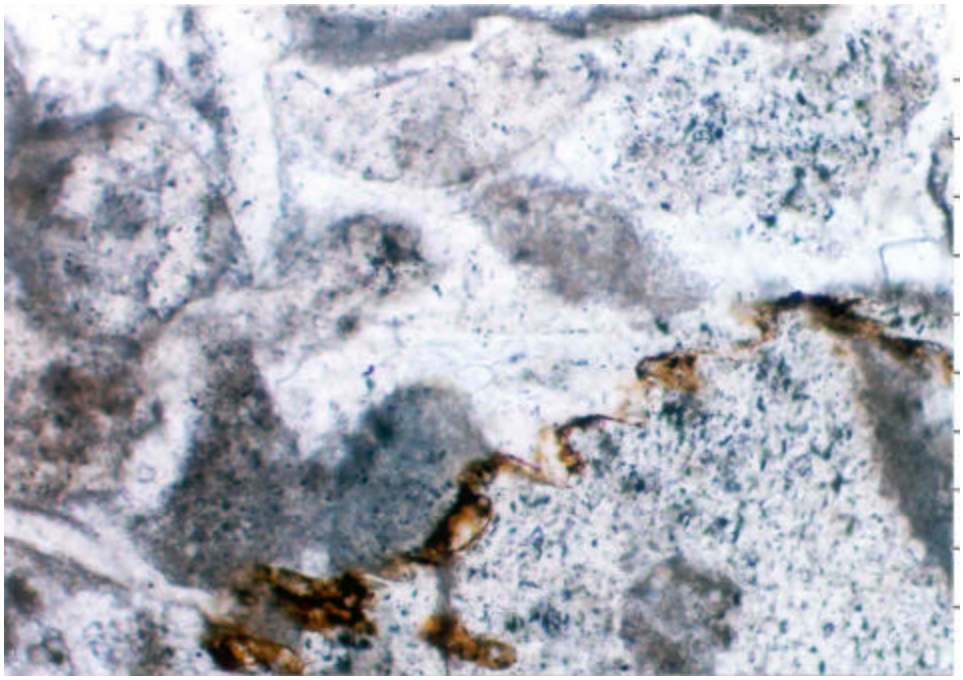
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: P-1-148

PLATE 15

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**Only minor micrite in limited regions (not present in this view); a stylolitic seam (Plate 15B; G10) is evidence of strong chemical compaction**
Cements/Replacement:	**Common calcite spar (Plate 15B; C5.5)**
Allochems/Grains:	**Common crinoid debris such as plates (Plate 15B; K12 area); echinoderm spines (Plate 15A; H-J0.5); undifferentiated micritic grains (Plate 15A; J-K8); pelecypod mollusks (Plate 15A; C-D4.5)**
Porosity & Reservoir Quality:	**Only a trace amount of visible porosity (intercrystalline, interparticle); microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Micropores are likely associated with micritic matrix and grains**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

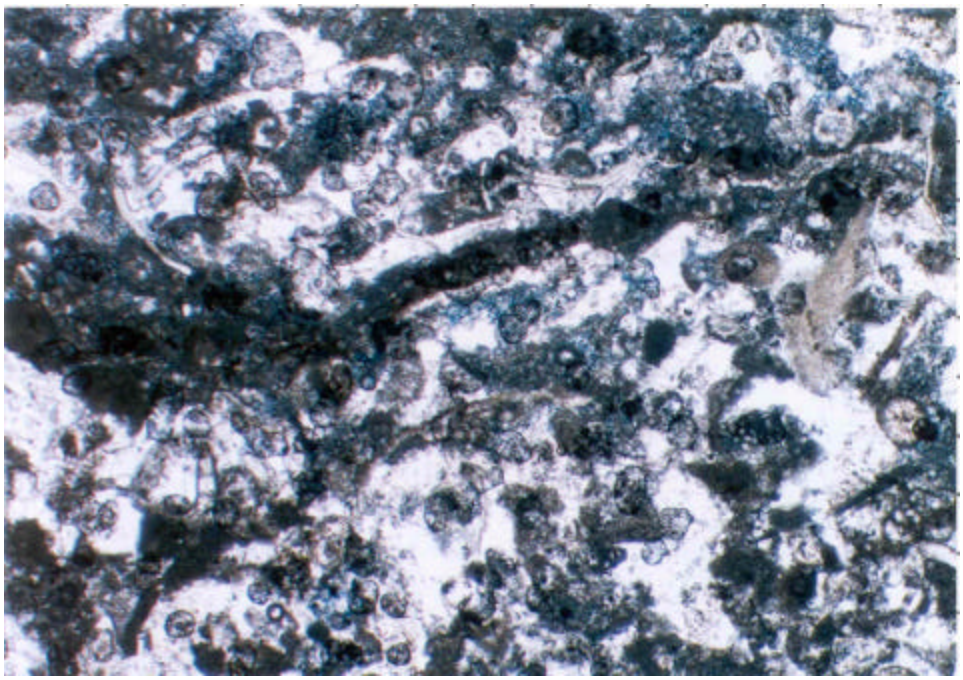
Sauget Area-2

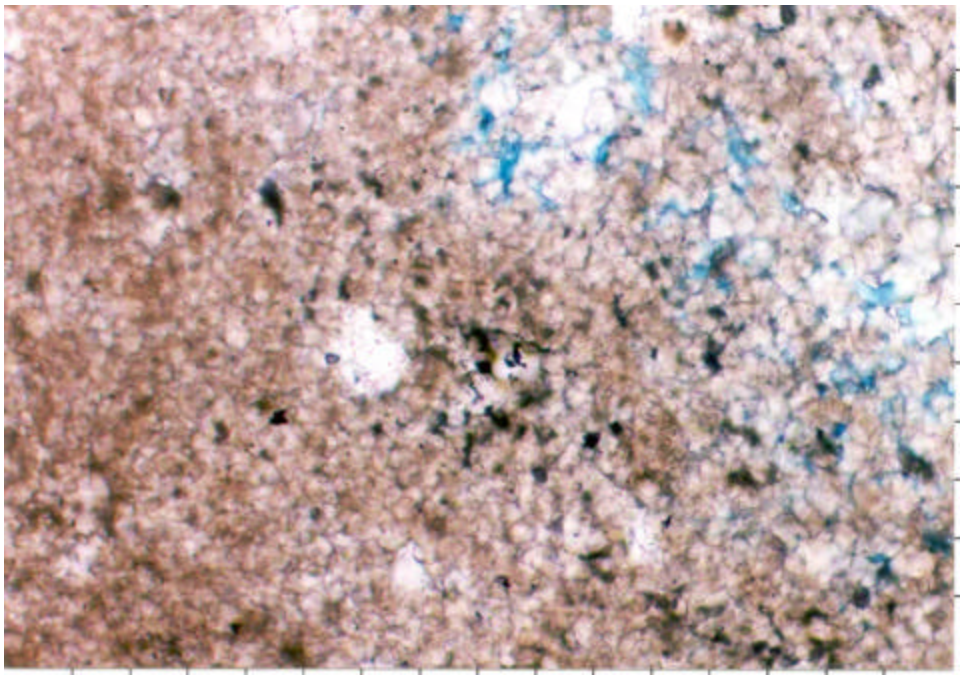
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: P-1-151

PLATE 16

Dunham Rock Type:	**Lime Packstone (minor Grainstone)**
Fabric & Matrix:	**Micrite (Plate 16A; area of E2.5) present in packstone regions**
Cements/Replacement:	**Calcite spar (Plate 16B; B5.5)**
Allochems/Grains:	**Pelecypod mollusks (Plate 16A; D-E14); undifferentiated (Plate 16A; A-B12.5); crinoid plates (Plate 16A; above A4.5)**
Porosity & Reservoir Quality:	**A trace amount of visible porosity includes interparticle, intercrystalline, and moldic varieties; microporosity (approx. 3% by volume) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Intercrystalline pores (Plate 16B; A-B6); intraparticle pores (Plate 16B; F-G14), some microscopic in size**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

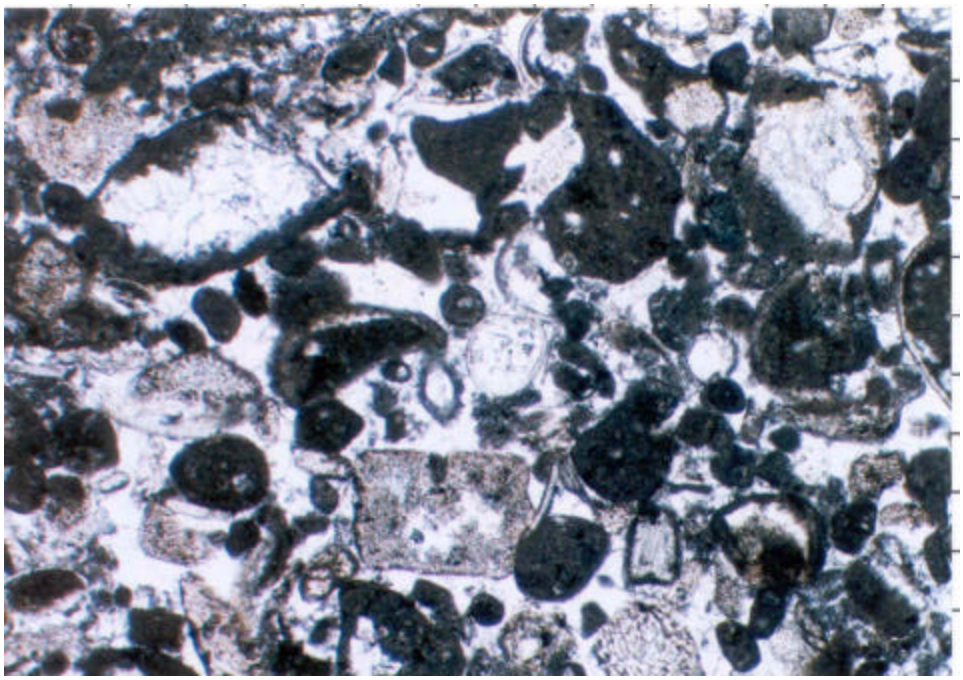
Sauget Area-2

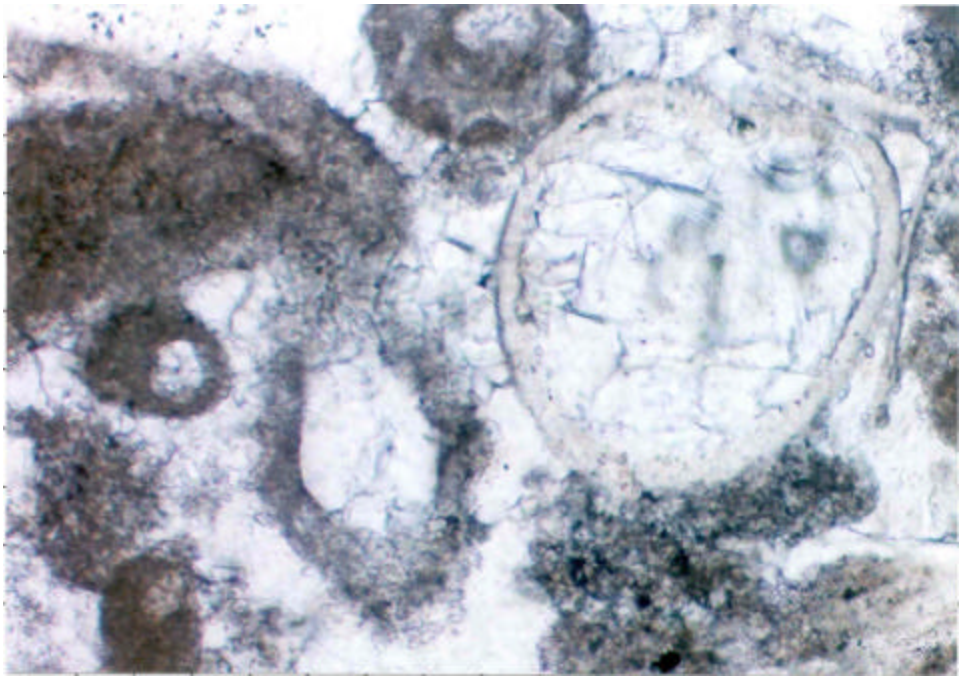
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: P-1-153

PLATE 17

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**Little or no micritic matrix in this high energy grainstone**
Cements/Replacement:	**Blocky to coarse calcite spar (Plate 17B; D7.5)**
Allochems/Grains:	**Echinoid fragments (Plate 17A; H7); algal-coated grains (Plate 17A; H-J13); pellets (Plate 17A; E3.5); micritic intraclasts (Plate 17A; C10.5); undifferentiated micritic grains (Plate 17A; G-H11)**
Porosity & Reservoir Quality:	**1% (by volume) visible porosity (vuggy); microporosity (approx. a trace amount) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**Vuggy pore space present, but not observed in this view; micropores approximate a trace amount**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

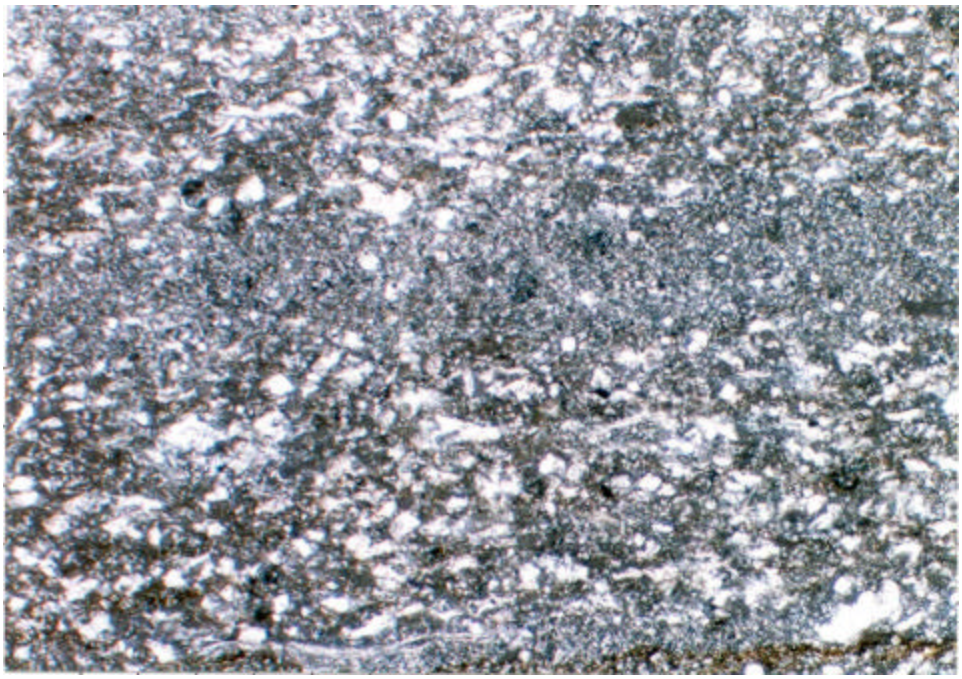
Sauget Area-2

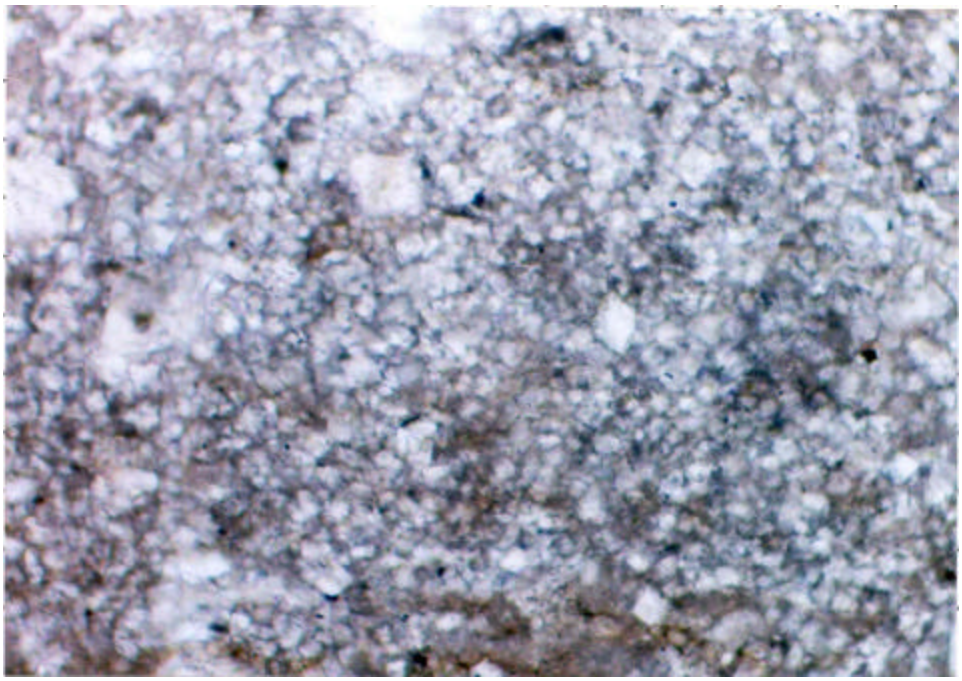
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: P-1-155

PLATE 18

Dunham Rock Type:	**Lime Wackestone/Packstone**
Fabric & Matrix:	**Strong laminar tendency (note zoning in Plate 18A); original micrite matrix has largely been replaced with microspar (Plate 18B; F-G12)**
Cements/Replacement:	**Minor dolomite (Plate 18B; E10.5)**
Allochems/Grains:	**Common, altered mollusk and crinoid fragments (Plate 18A; white structures)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**No visible porosity; micropore space likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

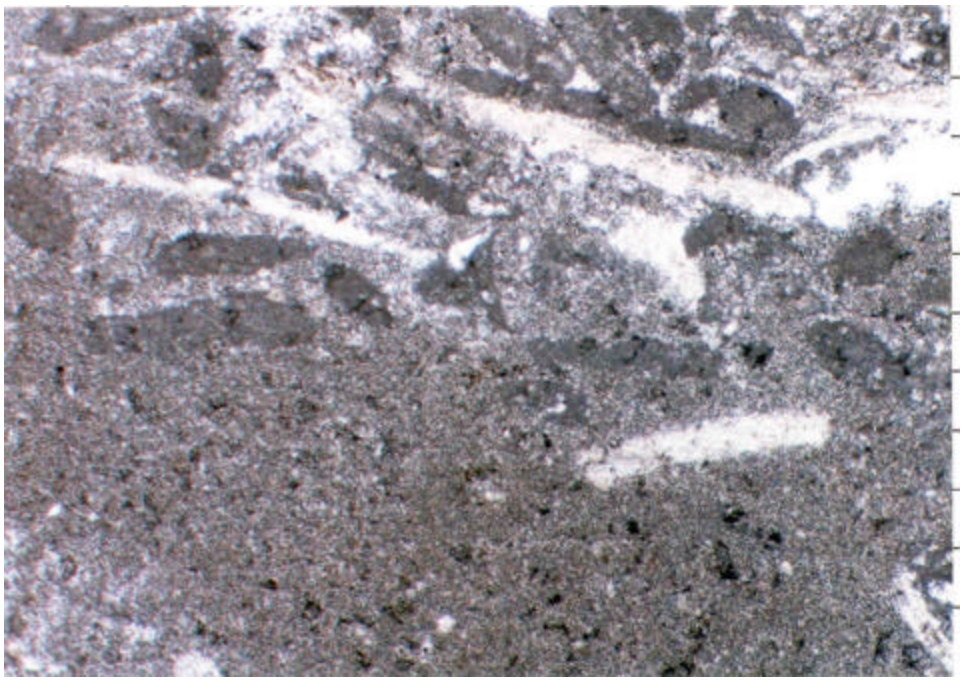
Sauget Area-2

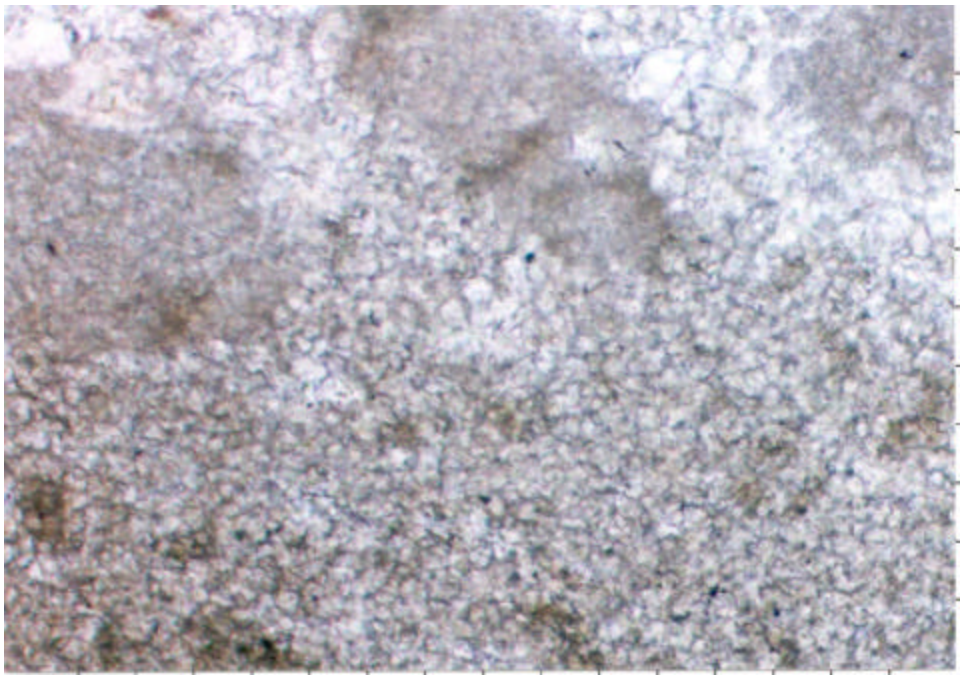
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: P-1-158

PLATE 19

Dunham Rock Type:	**Lime Wackestone (minor Packstone, Mudstone)**
Fabric & Matrix:	**Laminated; abundant micrite and microspar matrix; note packstone fabric toward top of photo and mudstone/wackestone to base**
Cements/Replacement:	**Microspar (Plate 19B; F12) replacement of micrite is abundant; rare pyrite (Plate 19B; D9)**
Allochems/Grains:	**Mollusks (Plate 19A; G13.5); micritic intraclasts (Plate 19A; D3.5); undifferentiated micritic grains (Plate 19A; A-B12.5)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**No visible pore space; micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

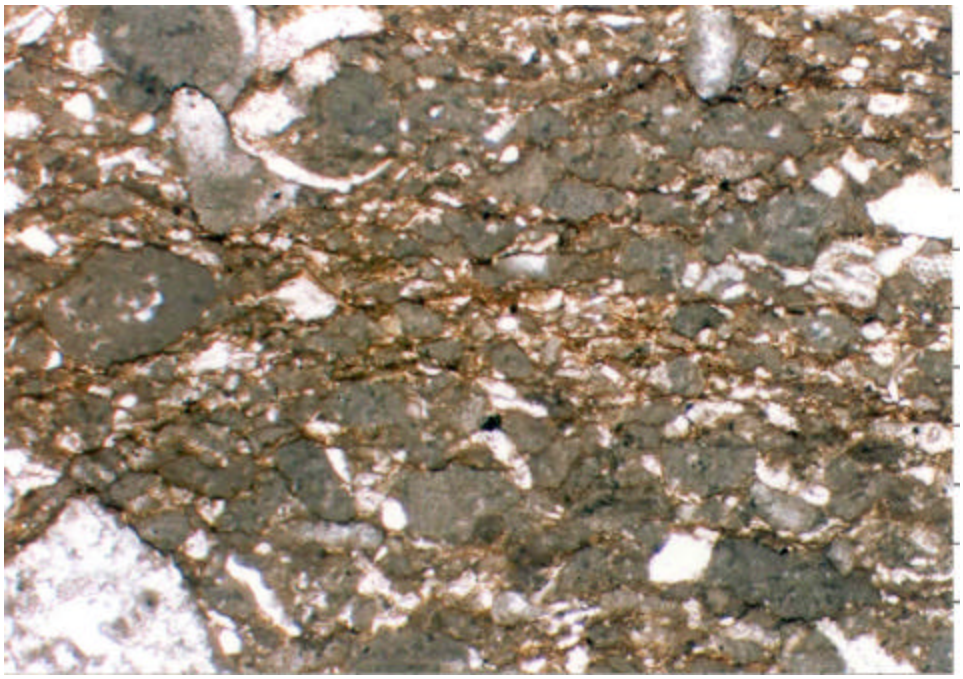
Sauget Area-2

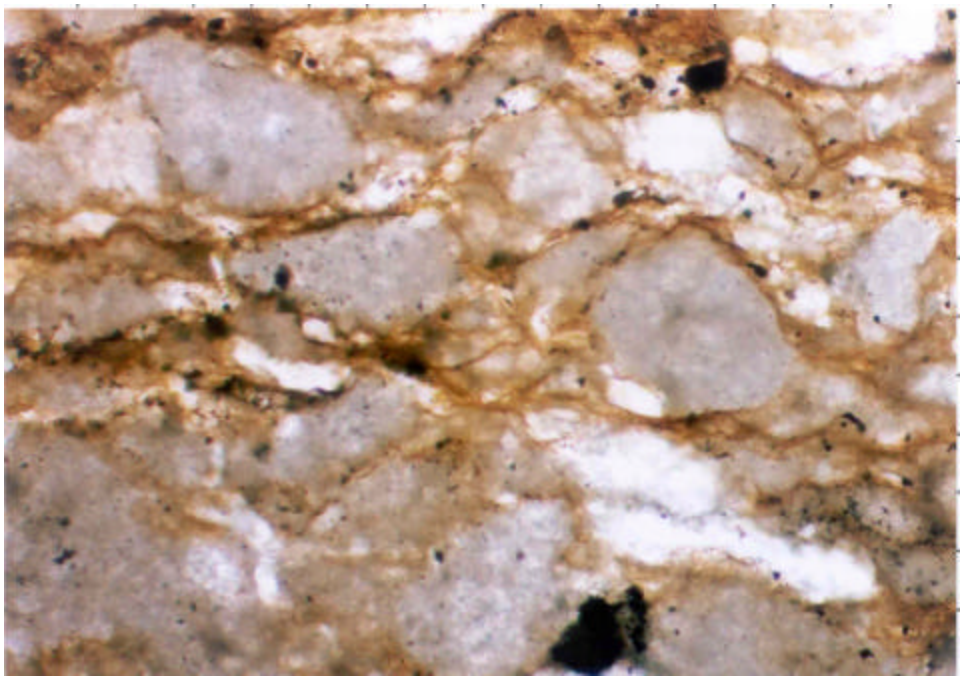
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-1-142

PLATE 20

Dunham Rock Type:	**Lime Packstone**
Fabric & Matrix:	**Siliciclastic clay matrix (Plate 20B; above A11.5) associated with organics (Plate 20B; C-D12); micrite is not true matrix but "pseudomatrix" created by compaction of micritic grains (Plate 20A; E1)**
Cements/Replacement:	**Minor pyrite replacement (Plate 20B; K10,A12)**
Allochems/Grains:	**Micritic grains (Plate 20A; E1,A3,J-K13.5) are both intraclasts and undifferentiated forms; large crinoid plates (Plate 20A; K1.5); scattered quartz sand grains (Plate 20A; C-D15.5)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**No visible pore space; micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

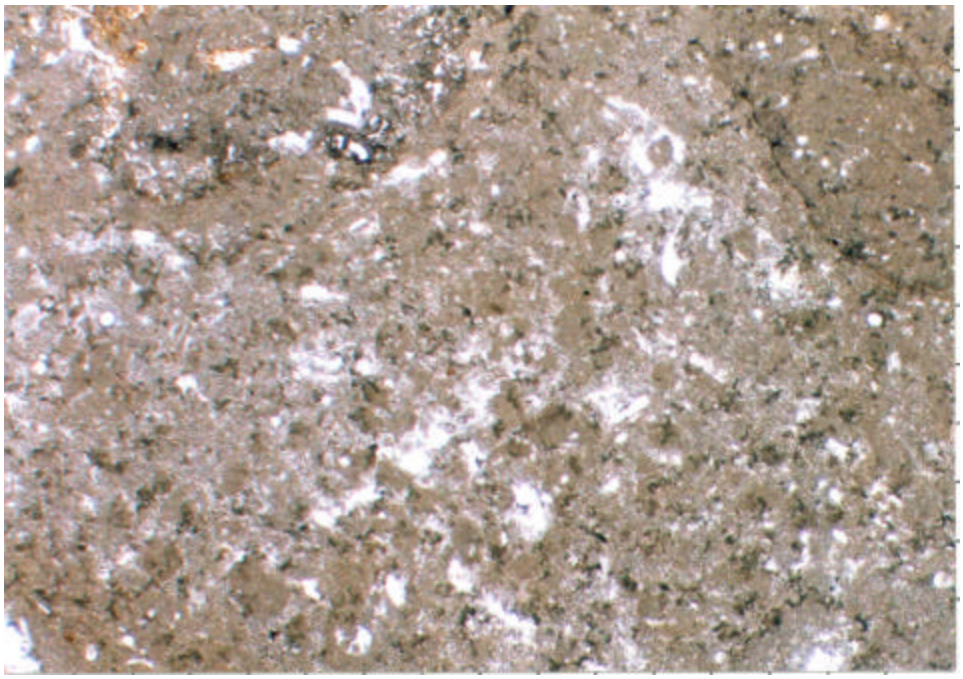
Sauget Area-2

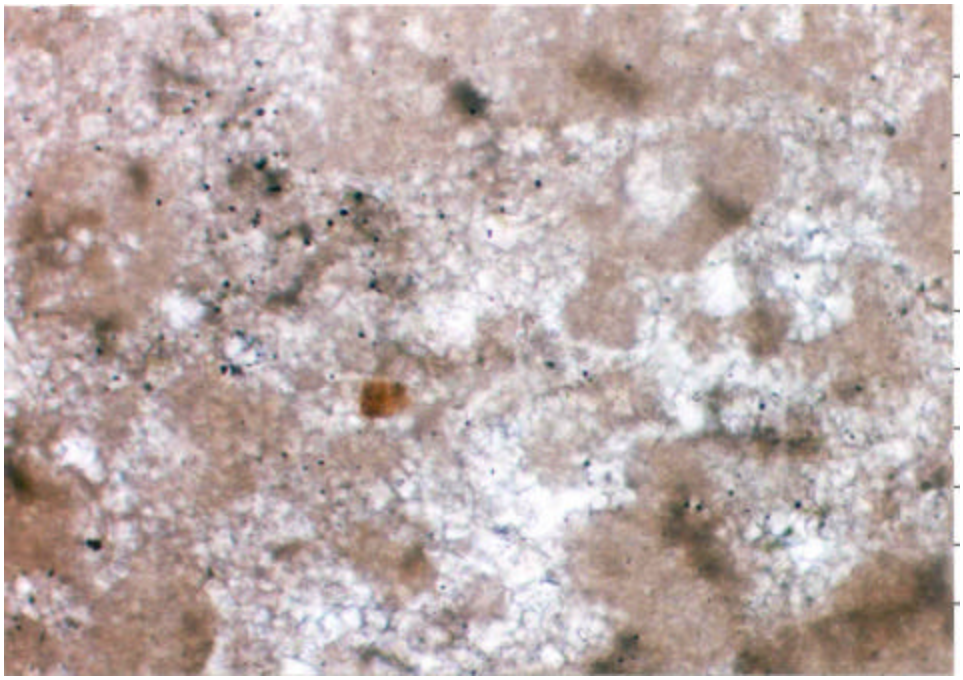
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-1-145.5

PLATE 21

Dunham Rock Type:	**Lime Packstone**
Fabric & Matrix:	**Micritic pellets (Plate 21B; B-C12.5) are often compacted, effectively acting as "pseudomatrix"**
Cements/Replacement:	**Fine, blocky calcite spar (Plate 21B; E14) and rare dolomite (Plate 21A; C11) cements**
Allochems/Grains:	**Abundant pelllets; rare, fragmented skeletal grains (Plate 21A; B5.5)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none detected) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**No visible pore space; micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

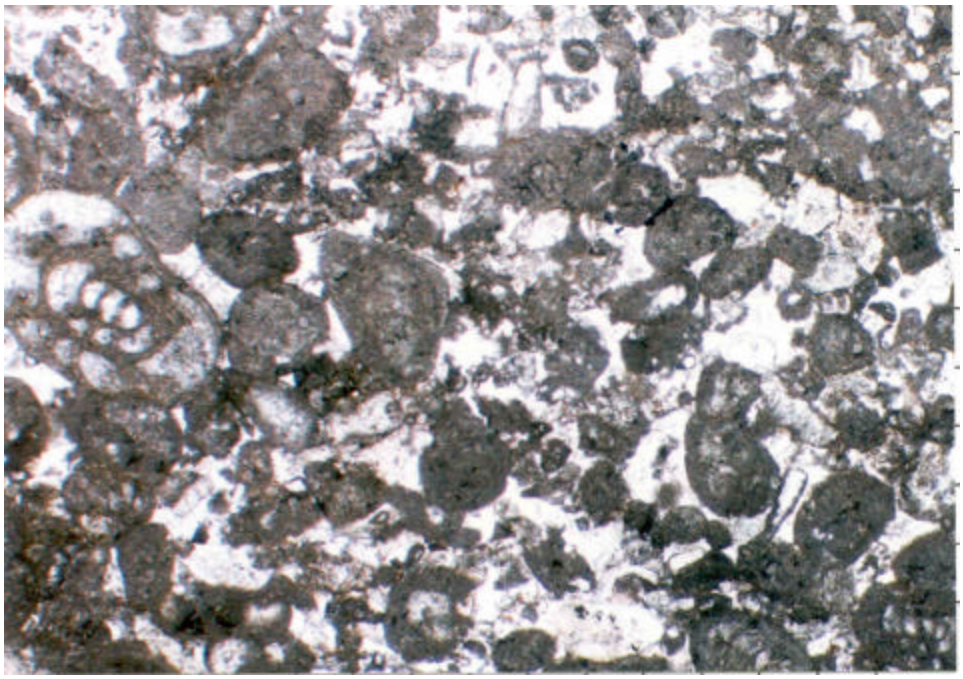
Sauget Area-2

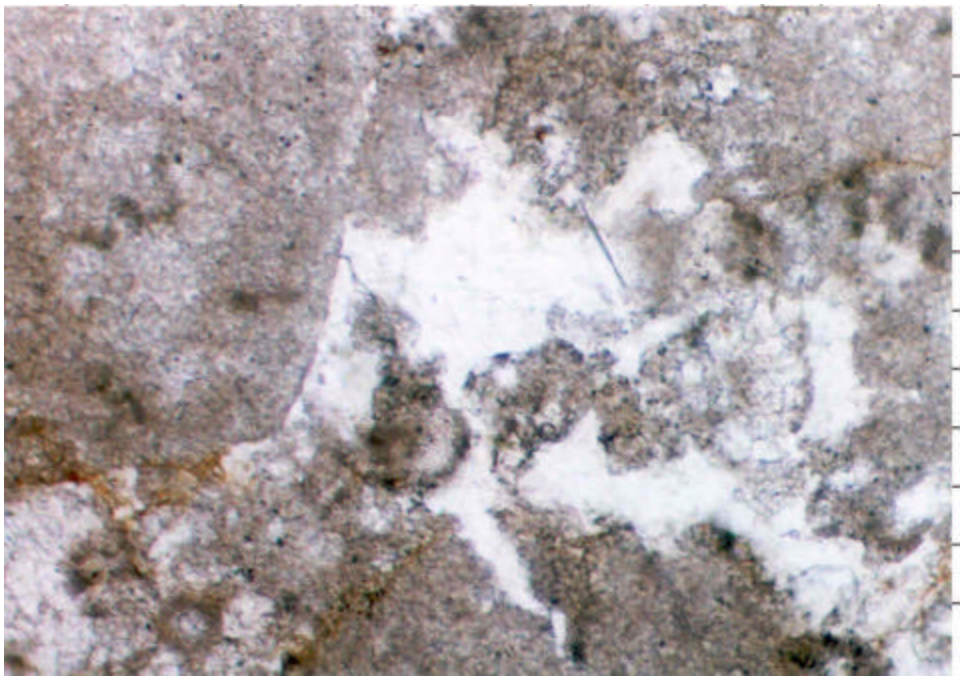
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-1-149.5

PLATE 22

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**Micrite matrix is rare in this high energy grainstone**
Cements/Replacement:	**Abundant calcite spar (Plate 22B; D-E8) in interparticle regions**
Allochems/Grains:	**Chambered PETEPURRAZELLAS (Plate 22A; E1.5); abundant undifferentiated micritic grains (Plate 22A; G-H8); minor pellets (Plate 22A; above A12.5); rare echinoid fragments (Plate 22A; H13.5)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**No visible pore space; micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

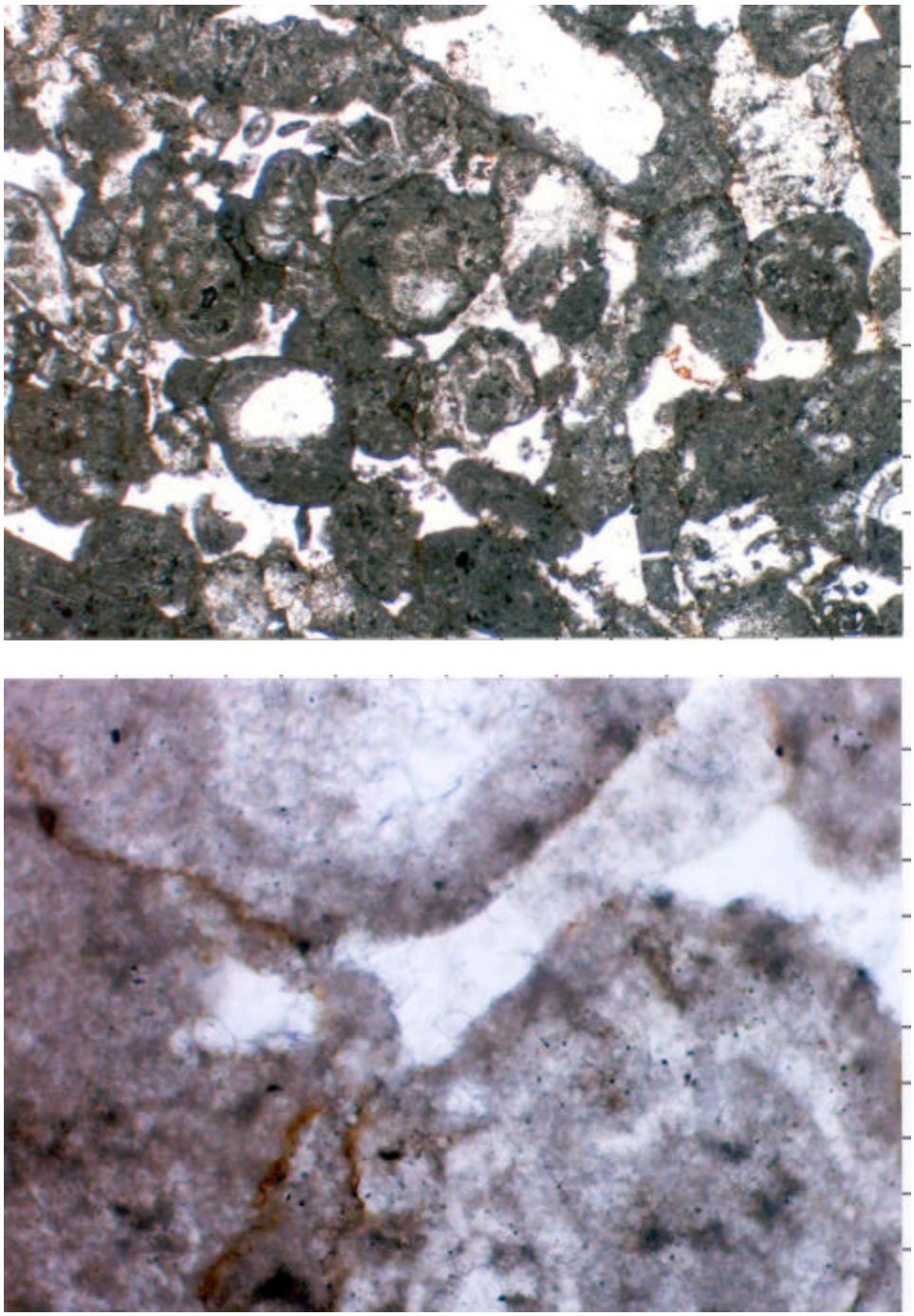
Sauget Area-2

THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-1-151.5

PLATE 23

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**Micrite is rare due to the high energy deposition of this sediment**
Cements/Replacement:	**Abundant calcite spar cement (Plate 23B; E8)**
Allochems/Grains:	**Common intraclasts (Plate 23B; D-E7.5); abundant, undifferentiated micritic grains (Plate 23B; D-E15); minor chambered grains (Plate 23B; D-E3) and crinoid debris (Plate 23B; A9) including within intraclasts (Plate 23B; G5)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (none detected) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**No visible pore space; micropores likely associated with micrite and microspar**
Magnification:	**A: 40X B: 200X**



URS Corporation

File No.: G-20068

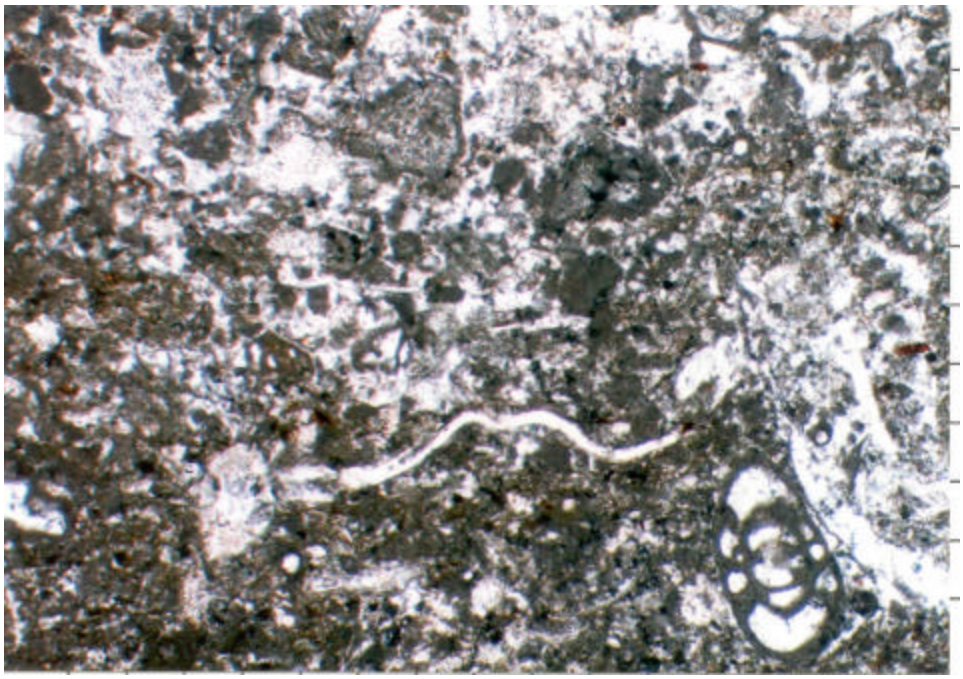
Sauget Area-2

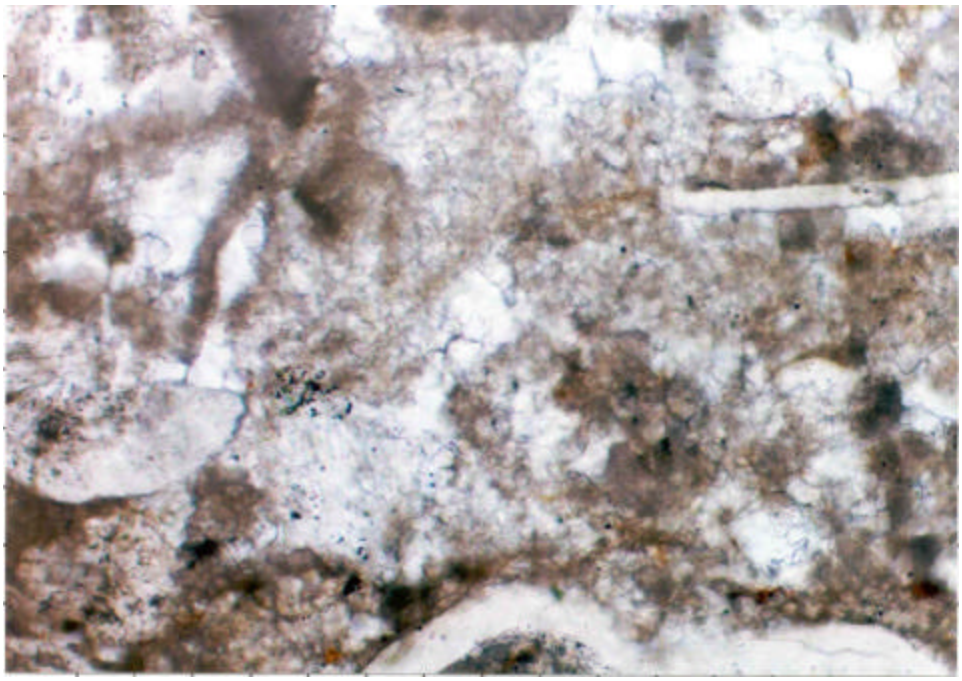
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-1-153.5

PLATE 24

Dunham Rock Type:	**Lime Packstone**
Fabric & Matrix:	**Common micrite (brownish interparticle material)**
Cements/Replacement:	**Common, blocky spar calcite (Plate 24B; A13.5)**
Allochems/Grains:	**Chambered PETEPURRAZELLA (Plate 23A; J-K13); elongate brachiopod fragment (Plate 23A; G-H9.5); crinoid fragments (Plate 23A; A-B2); micritic pellets (Plate 23A; E-F1.5)**
Porosity & Reservoir Quality:	**0% (by volume) visible porosity; microporosity (approx. a trace amount) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a lack of effective pore space**
Porosity Types:	**None visible; although only a trace micropore space noted, but may be higher (associated with micrite)**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

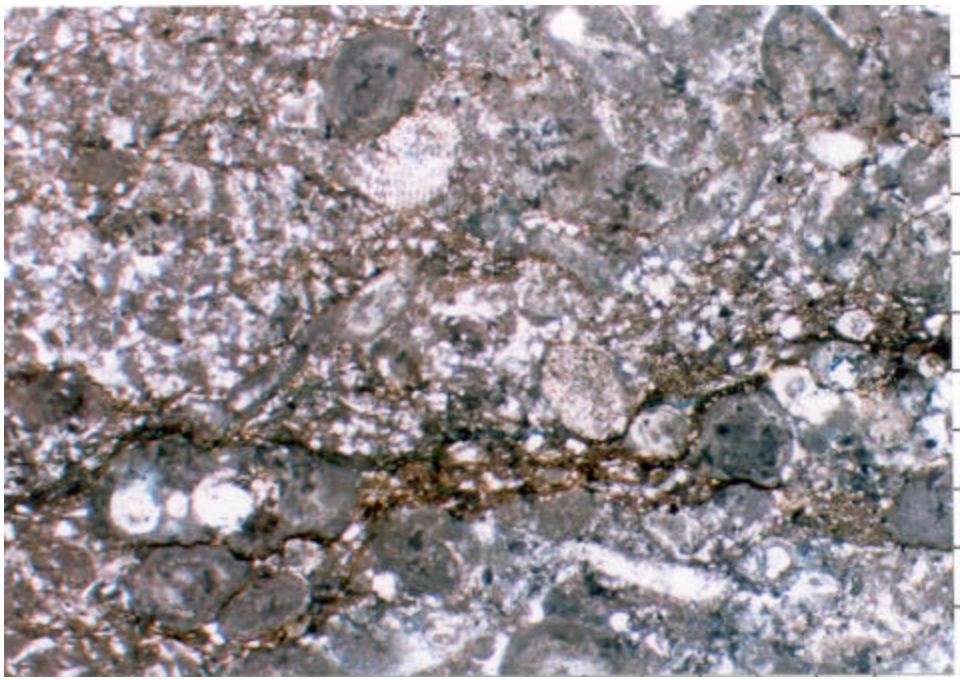
Sauget Area-2

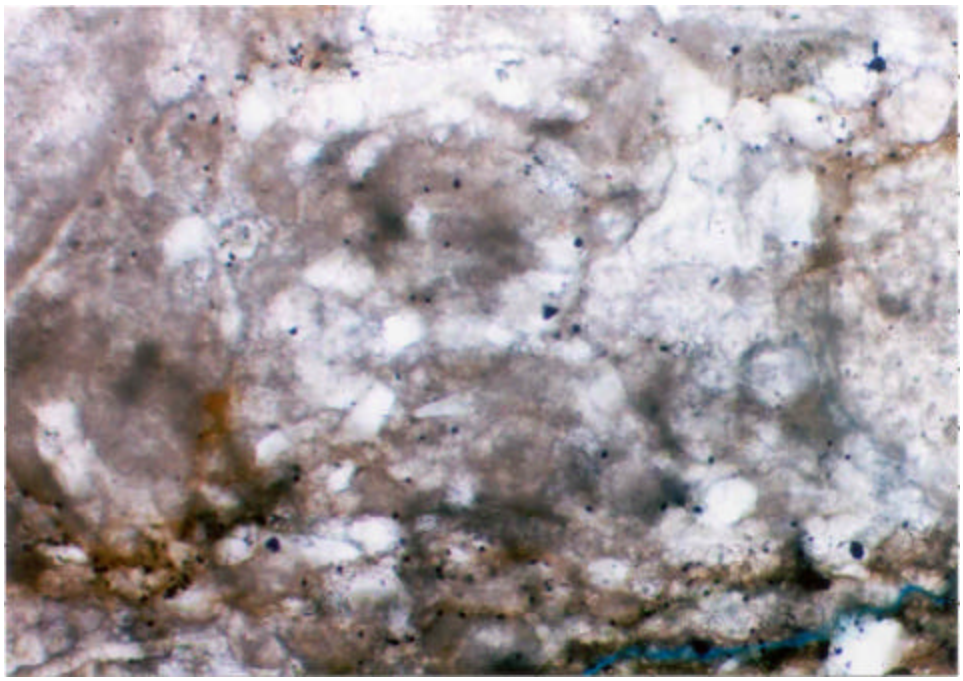
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-1-155.5

PLATE 25

Dunham Rock Type:	**Lime Packstone**
Fabric & Matrix:	**Laminated; organic-rich material (Plate 25A; H1-F15); common micrite (Plate 25B; B2.5); minor siliciclastic clay (Plate 25A; G-H9)**
Cements/Replacement:	**Minor, blocky calcite spar (Plate 25B; C11.5) in interparticle regions**
Allochems/Grains:	**Crinoid fragments (Plate 25A; F10); intraclasts undifferentiated micritized grains (Plate 25A; J-K11)**
Porosity & Reservoir Quality:	**A trace amount of visible porosity (interparticle and intraparticle); microporosity (approx. a trace amount) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a near-lack of effective pore space**
Porosity Types:	**Trace interparticle pore space; trace intragranular porosity; microscopic pores may be higher than observed (associated with micrite); apparent fracture at K15 is artificial.**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

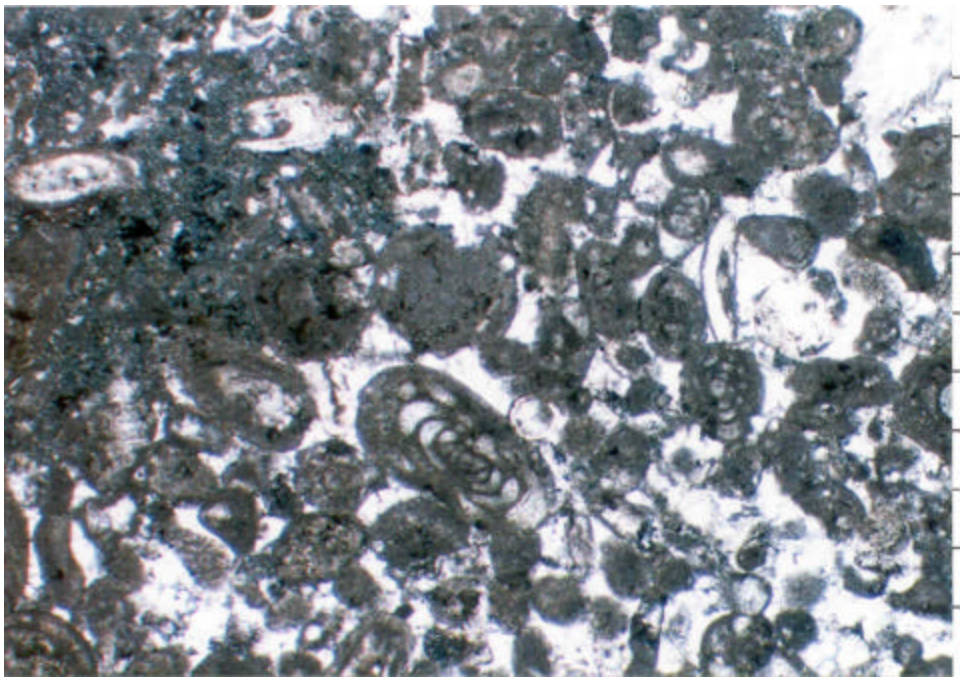
Sauget Area-2

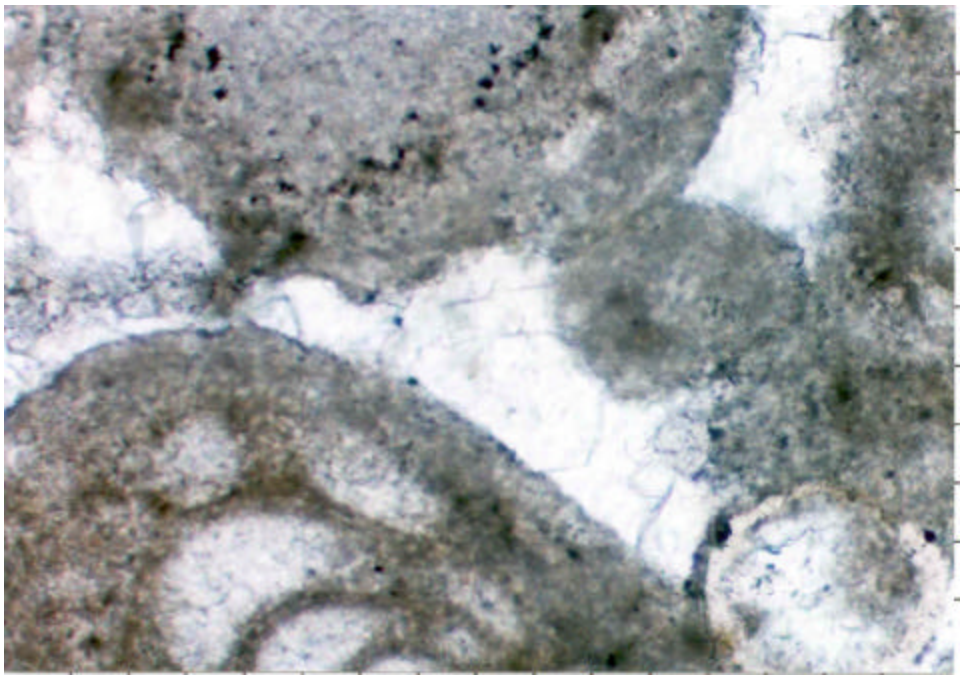
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-1-157

PLATE 26

Dunham Rock Type:	**Lime Grainstone (rare Packstone)**
Fabric & Matrix:	**Common micrite (Plate 26A; C-D1.5) in rare packstone regions (such as upper left)**
Cements/Replacement:	**Blocky calcite spar**
Allochems/Grains:	**Chambered forams (Plate 26A; G7.5); undifferentiated micritic grains (Plate 26A; D-E7.5); mollusks (D-E12)**
Porosity & Reservoir Quality:	**A trace amount of visible porosity (intraparticle); microporosity (approx. a trace amount; note faint bluish haze to upper left) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a near-lack of effective pore space**
Porosity Types:	**A trace amount of intragranular porosity; microscopic pore content may be higher than observed**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

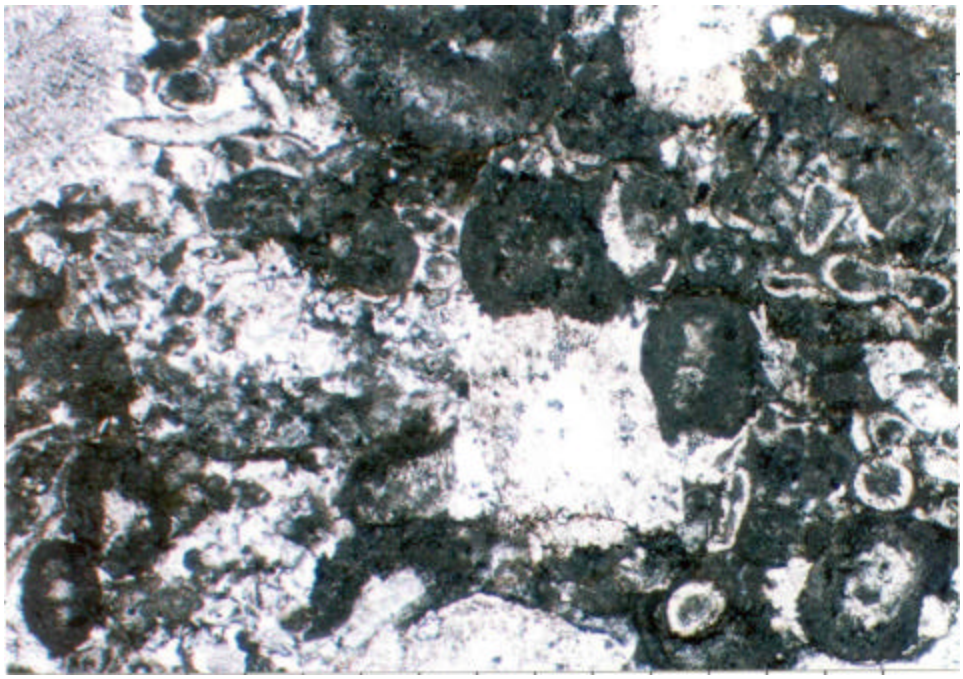
Sauget Area-2

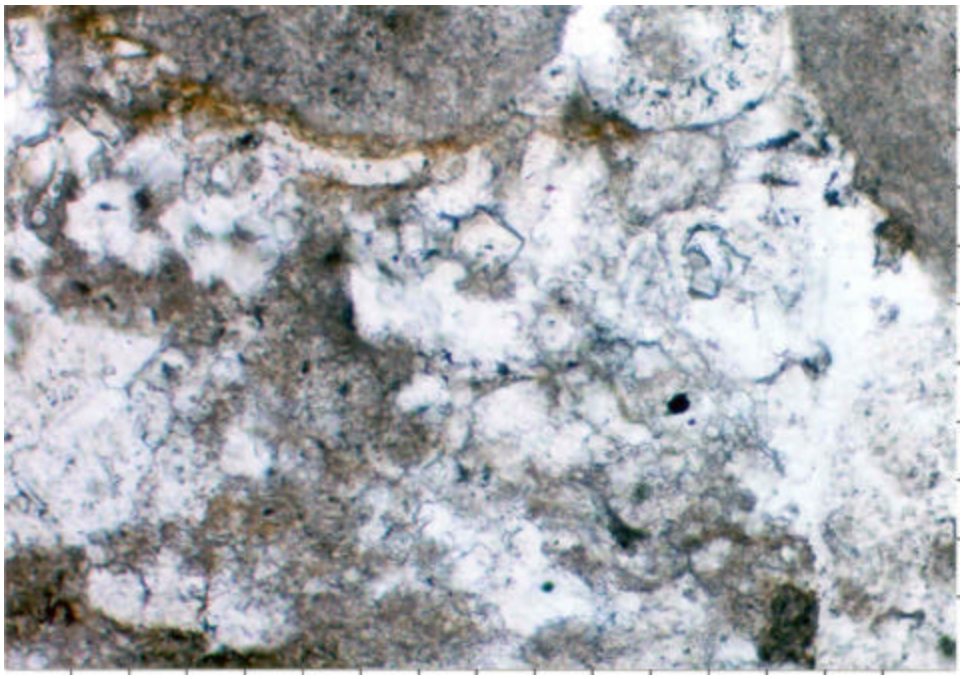
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-1-159

PLATE 27

Dunham Rock Type:	**Lime Packstone**
Fabric & Matrix:	**Micrite present in lower energy areas (such as upper right plate) within this packstone**
Cements/Replacement:	**Calcite spar (Plate 27B; D-E14) is abundant; rare dolomite (Plate 27B; D8)**
Allochems/Grains:	**Echinoderm spines (Plate 27A; H15); crinoid plates (Plate 27A; G9,A1); undifferentiated micritic grains (Plate 27A; D9); mollusks (Plate 27A; B2.5)**
Porosity & Reservoir Quality:	**A trace amount of visible porosity (intercrystalline); microporosity (none observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a near-lack of effective pore space**
Porosity Types:	**A trace amount of intercrystalline porosity; microporosity is likely associated with micrite and micritic grains**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

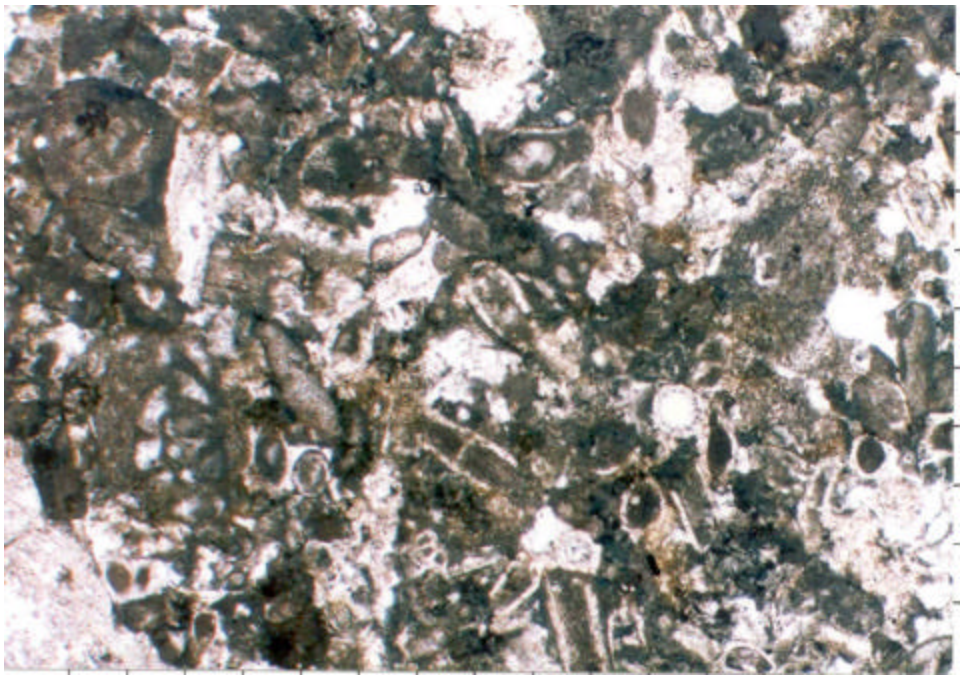
Sauget Area-2

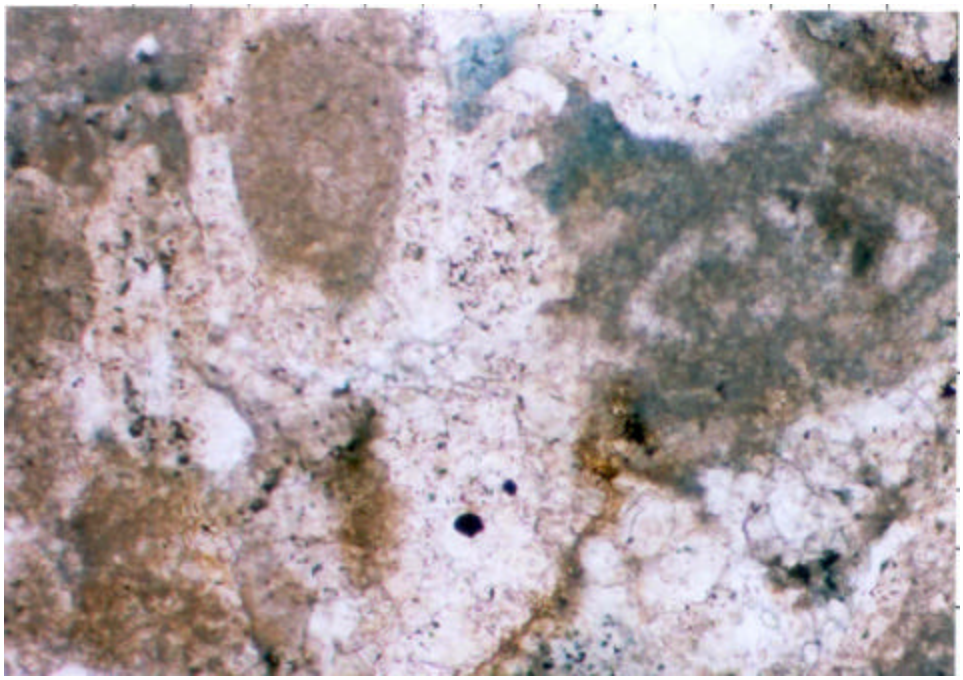
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-1-161

PLATE 28

Dunham Rock Type:	**Lime Packstone**
Fabric & Matrix:	**Common micritic groundmass (Plate 28A; G-H9.5)**
Cements/Replacement:	**Mainly calcite spar (Plate 28B; A-B12)**
Allochems/Grains:	**Chambered forams (Plate 28A; G2.5); micritic intraclasts (Plate 28A; B-C1.5); echinoid debris (Plate 28A; K10,B-C3); echinoderm spines (Plate 28A; F-G11.5)**
Porosity & Reservoir Quality:	**A trace amount of visible porosity (intercrystalline and moldic); microporosity (3% observed) is associated with micritic grains and matrix; reservoir quality is considered very poor, due to a near-lack of effective pore space**
Porosity Types:	**Microscopic (B-C10) and intercrystalline (A8) pores are shown in Plate 28B; microporosity may be higher than indicated; rare (trace) moldic pores are observed elsewhere in the sample**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

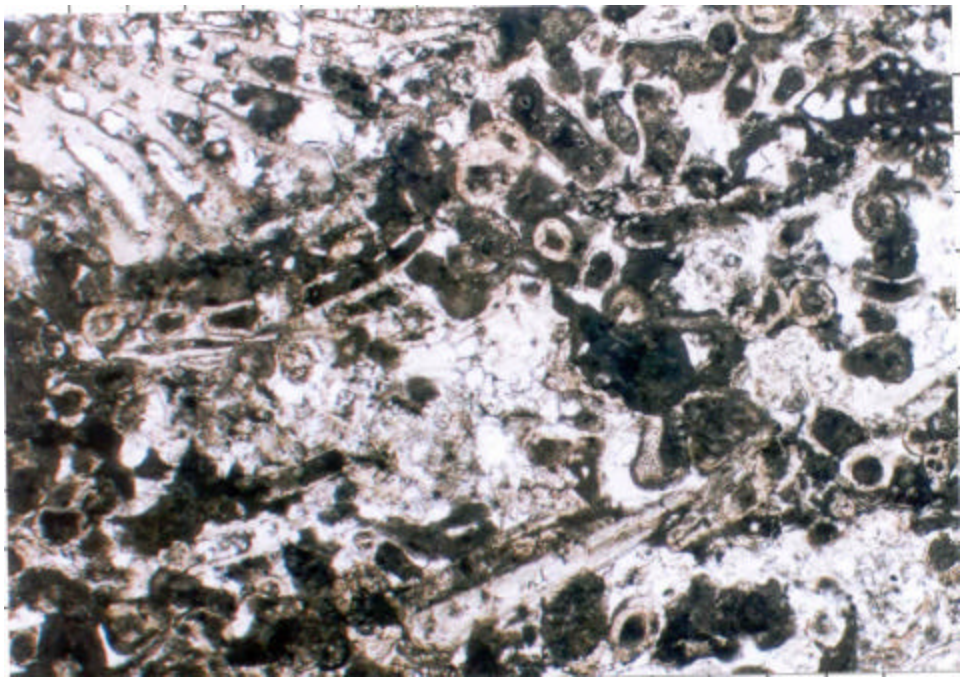
Sauget Area-2

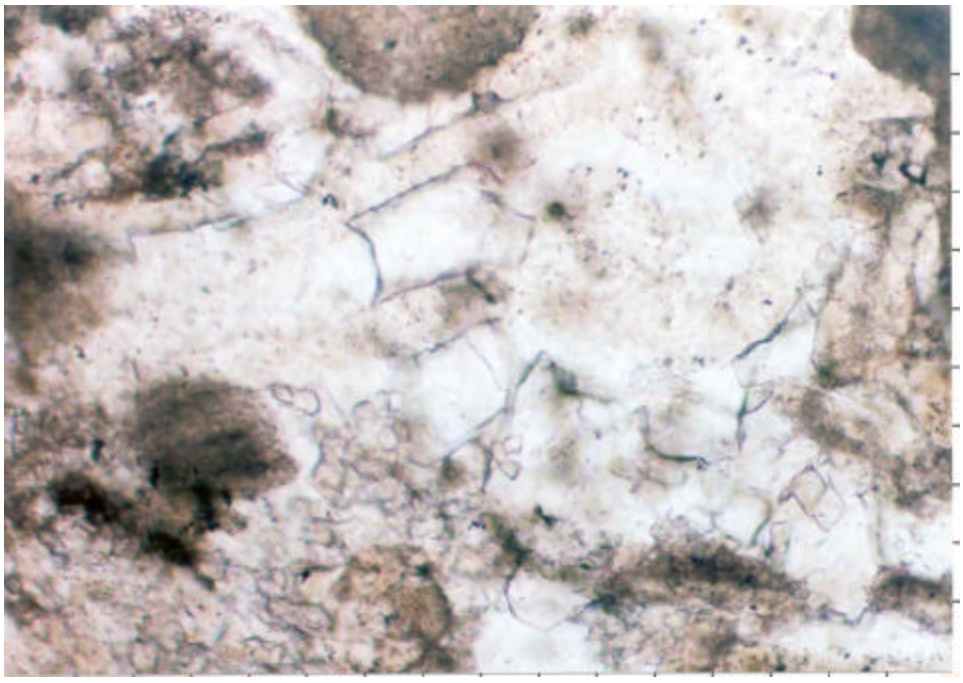
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-1-163

PLATE 29

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**A trace micritic matrix; dominantly high energy deposition and clean interparticle system**
Cements/Replacement:	**Dominantly blocky spar calcite (Plate 29B; G11.5)**
Allochems/Grains:	**Large bryozoans (Plate 29A; B2); echinoderm spines (Plate 29A; E7.5,K145); pellets (Plate 29A; Plate 29B; G3.5); undifferentiated micritic grains (Plate 29A; F11); chambered forams (Plate 29A; A-B15.5)**
Porosity & Reservoir Quality:	**No visible pore space, nor micropore space observed, reservoir quality very poor, due to a lack of porosity development**
Porosity Types:	**No visible porosity; micropore space not observed, but likely associated with micritic matrix and grains**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

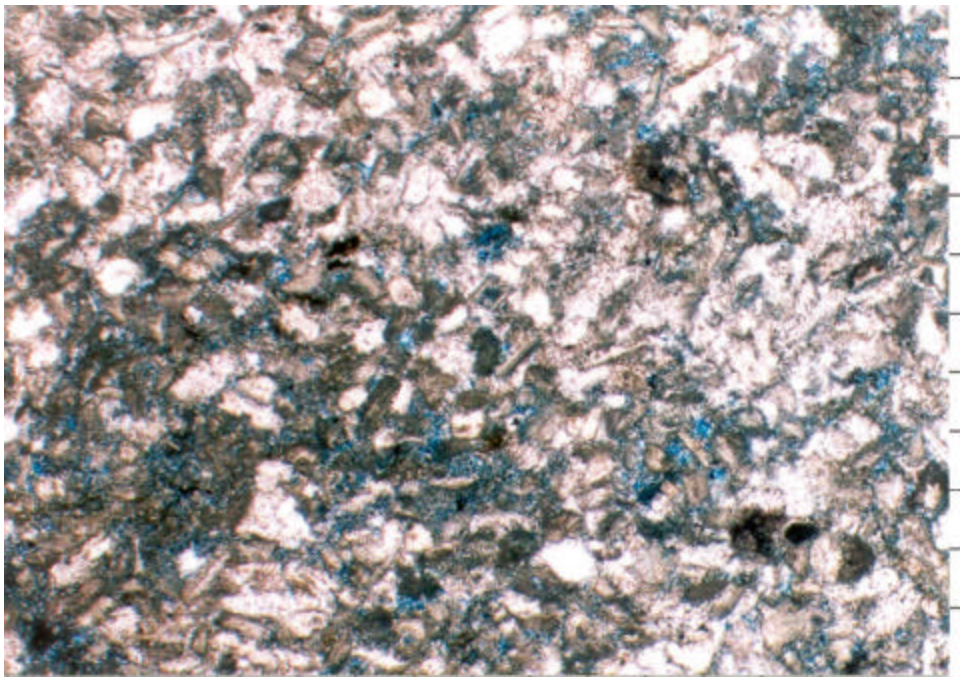
Sauget Area-2

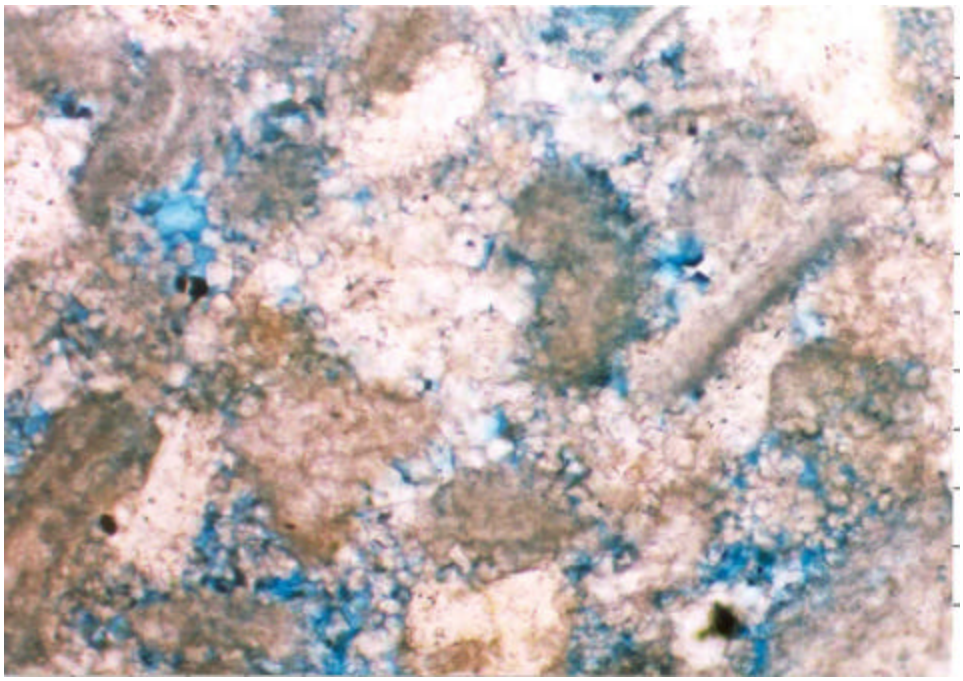
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-2-126

PLATE 30

Dunham Rock Type:	**Lime Packstone/Grainstone**
Fabric & Matrix:	**Micritic groundmass, partially microspar-replaced; grainstone areas fine spar calcite-cemented**
Cements/Replacement:	**Microspar replacement of orginal micritic matrix in wackestone and packstone portion; fine spar calcite cement in grainstone portions, minor secondary pyrite**
Allochems/Grains:	**Dominantly crinoids and echinoids (Plate 30B; G5), common mollusks (Plate 30B; E12), pellets (Plate 30B; H8), rare quartz sand (Plate 30A; J3)**
Porosity & Reservoir Quality:	**12% (by volume) porosity total; reservoir quality considered poor to moderate overall, due to poor pore interconnectivity**
Porosity Types:	**Micropore content approx. 6% (Plate 30B; H-J3), intercrystalline pores (4% by volume, Plate 30B; D-E11.5), interparticle pores (2% by volume; Plate 30B; C-D3), trace intraparticle and moldic pores**
Magnification:	**A: 40X B: 200X**





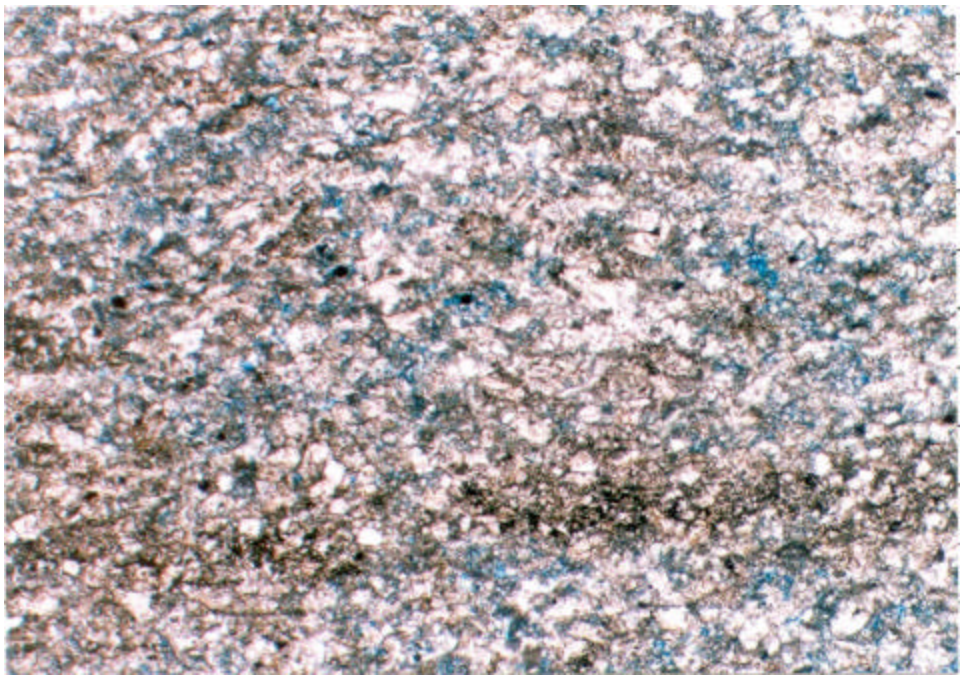
URS Corporation File No.: G-20068
Sauget Area-2

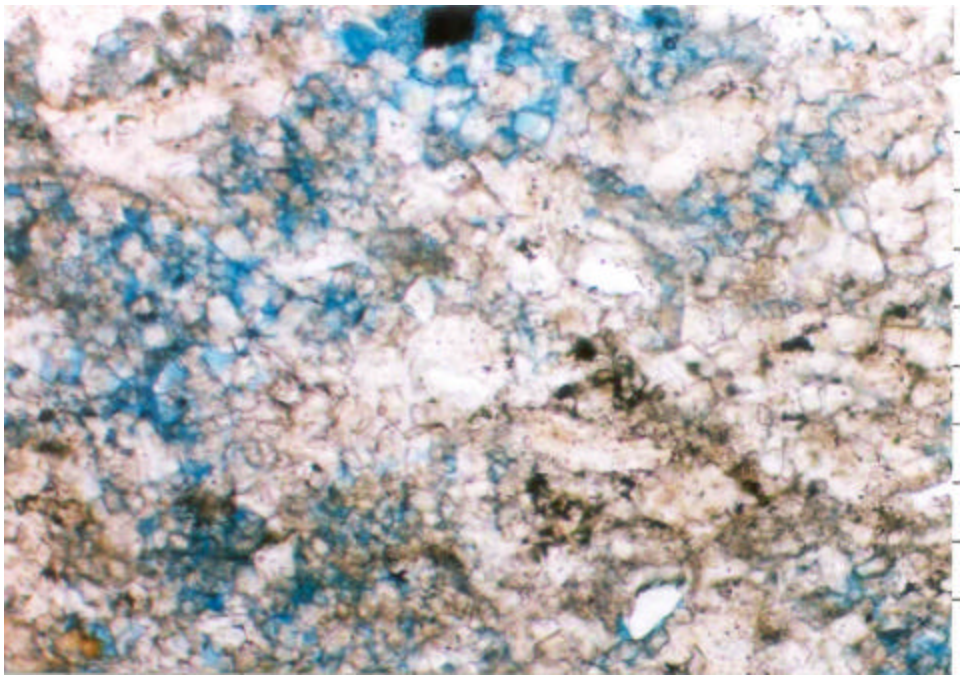
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-2-129

PLATE 31

Dunham Rock Type:	**Lime Packstone**
Fabric & Matrix:	**Depositional micritic groundmass has been mainly replaced by microspar (Plate 31B; B7.5); some laminar tendency as indicated by concentrated organics (Plate 31A; across photo from H to J)**
Cements/Replacement:	**Blocky calcite spar (Plate 31B; C15.5); minor late pyrite (Plate 31B; above A7.5)**
Allochems/Grains:	**Rare quartz silt (Plate 31B; K11); altered allochems (Plate 31B; G10,B2) are difficult to identify as to origin, but many are echinoids/crinoids**
Porosity & Reservoir Quality:	**Total porosity 15% (by volume); microporosity (2% by volume) is associated with micritic grains and residual matrix; reservoir quality is considered moderate**
Porosity Types:	**Visible pore types include intercrystalline (7% by volume; Plate 31B; A8.5), interparticle (5%; not observed in this view) moldic (2% by volume; Plate 31A; D13), and intraparticle (trace; Plate 31B; J3.5);**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

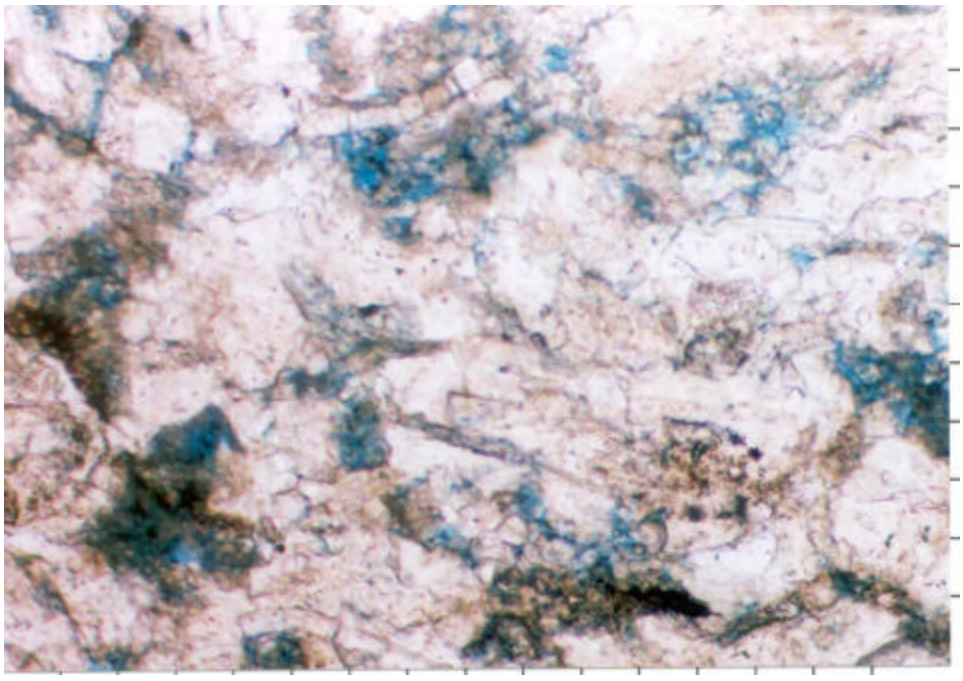
Sauget Area-2

THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-2-131

PLATE 32

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**Very minor micrite (Plate 32A; general area of H2) in this high energy sediment; some alignment of allochems**
Cements/Replacement:	**Dominant calcite spar (Plate 32B; C14); rare pyrite (Plate 32B; K12) and bitumen (Plate 32B; E-F1)**
Allochems/Grains:	**Common echinoids (Plate 32A; D-E4.5) and crinoids (Plate 32B; G0.5); rare micritic pellets (Plate 32A; C-D14)**
Porosity & Reservoir Quality:	**Several percent visible pore space (blue epoxy); micropores approximate 3% (by volume), and are associated mainly with micrite**
Porosity Types:	**Minor intragranular pore space (Plate 32B; G-H3.5); interparticle pores (Plate 32B; B-C6.5); intercrystalline pores (Plate 32B; B13); a trace amount of moldic porosity (not observed in these views)**
Magnification:	**A: 40X B: 200X**



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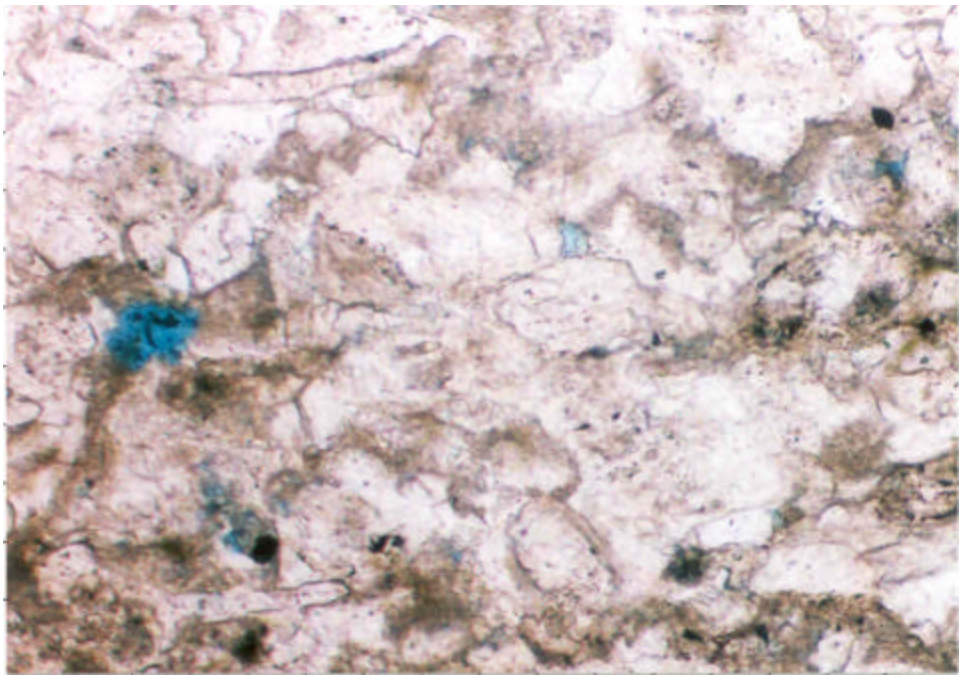
Sauget Area-2

THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-2-133

PLATE 33

Dunham Rock Type:	**Lime Packstone/Grainstone**
Fabric & Matrix:	**Microspar has dominantly replaced micrite in lower energy Packstone portions**
Cements/Replacement:	**Common calcite spar (Plate 33B; B3.5); rare pyrite (Plate 33B; B15)**
Allochems/Grains:	**Altered calcareous fossils include crinoids (Plate 33A; B8.5), chambered forams (Plate 33A; A3.5), and mollusks (Plate 33A; K11.5)**
Porosity & Reservoir Quality:	**Only a trace amount of visible pore space (intercrystalline, moldic, intraparticle); reservoir quality very poor; trace observed micropore space associated with micrite**
Porosity Types:	**Moldic (Plate 33B; E-F2.5); intercrystalline (Plate 33B; C-D9.5); intraparticle (Plate 33B; J4.5)**
Magnification:	**A: 40X B: 200X**



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File No.: G-20068

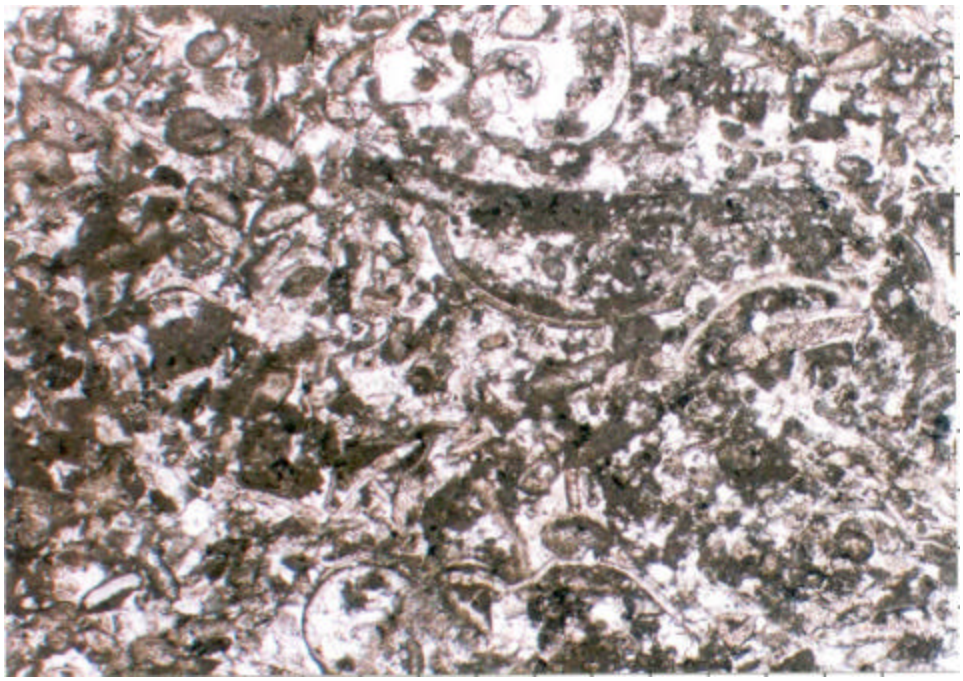
Sauget Area-2

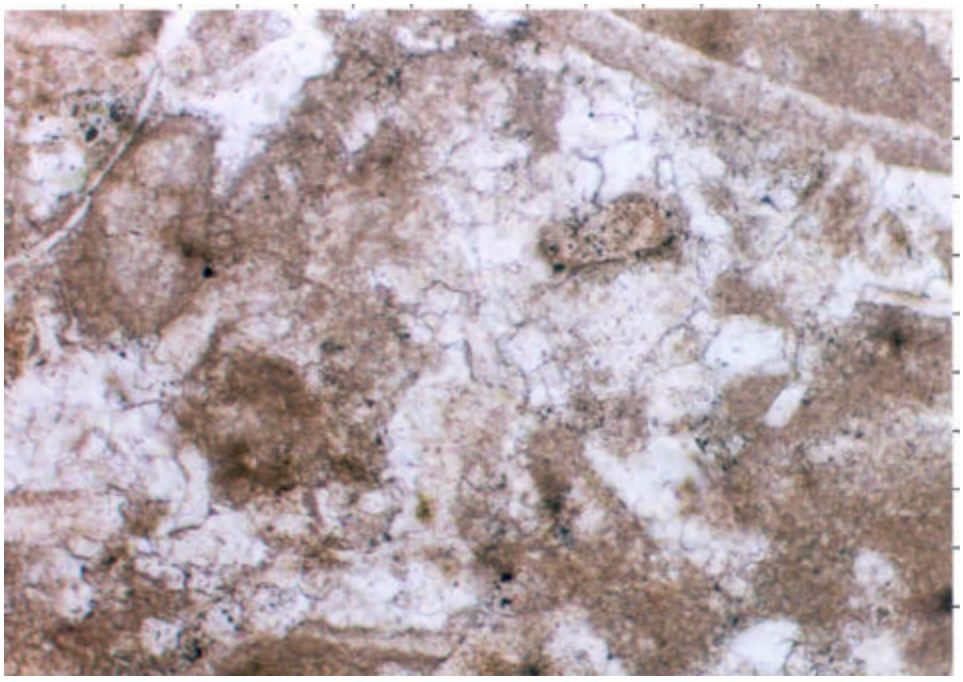
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-2-135

PLATE 34

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**Micrite (Plate 34A; lower left) is rare due to the high energy deposition of this sediment**
Cements/Replacement:	**Dominantly blocky calcite spar cement (Plate 34B; E7.5)**
Allochems/Grains:	**Brachiopods (Plate 34A; D7.5); thin-shelled pelecypods (Plate 34A; J-K11); crinoids (Plate 34A; above A9); echinoids (Plate 34A; E14); pellets (Plate 34B; C-D2.5); undifferentiated micritic grains (Plate 34A; E-F3); rare, chambered forams (Plate 34A; A-B12)**
Porosity & Reservoir Quality:	**No visible porosity; microporosity (none observed) is likely associated with micritic grains**
Porosity Types:	**0% (by volume) total porosity; reservoir quality is very poor, due to a lack of effective pore space; some micropore space likely associated with micritized grains**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

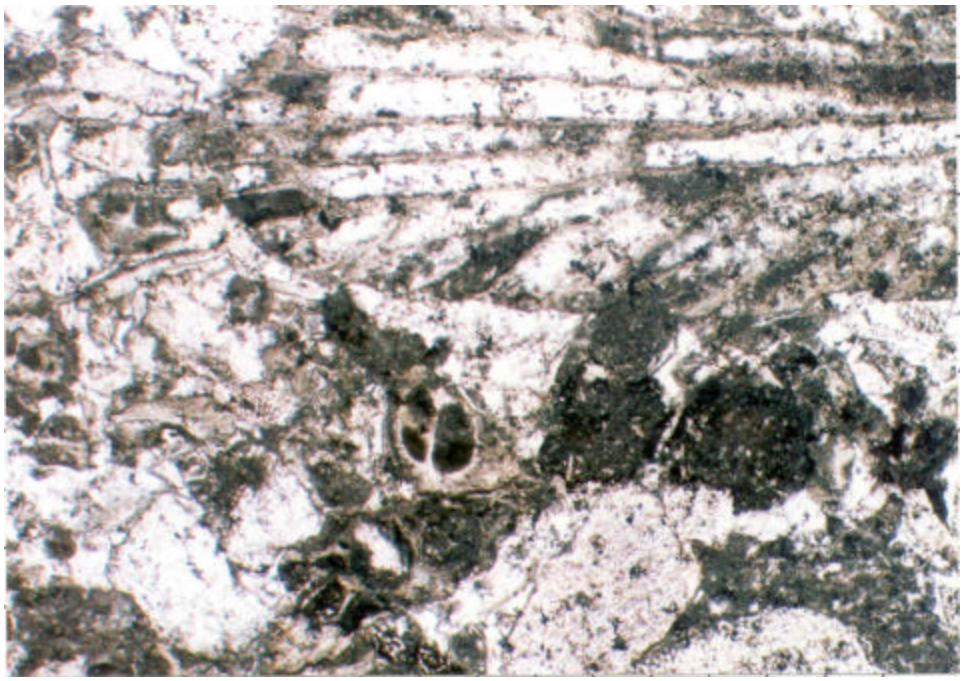
Sauget Area-2

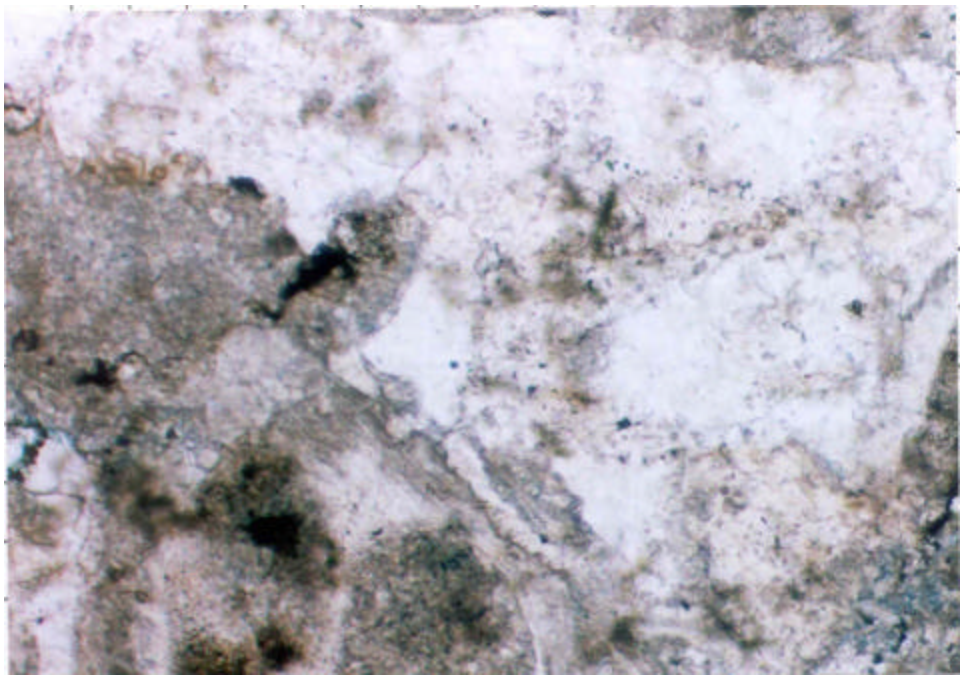
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-2-137

PLATE 35

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**Minor micrite (Plate 35A; G-H3.5); fairly high compactional levels**
Cements/Replacement:	**Moderate calcite spar (Plate 35B; C5); minor replacement pyrite (Plate 35B; H-J4.5)**
Allochems/Grains:	**Large bryozoan fragment (upper right); crinoid debris (Plate 35A; below K13,J3,K10); undifferentiated micritic clasts (Plate 35A; E12.5)**
Porosity & Reservoir Quality:	**A trace of intraparticle pore space observed; trace microporosity associated with micritic grains**
Porosity Types:	**Reservoir quality is very poor; trace total porosity; note intraparticle pore space (Plate 35B; K15.5)**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

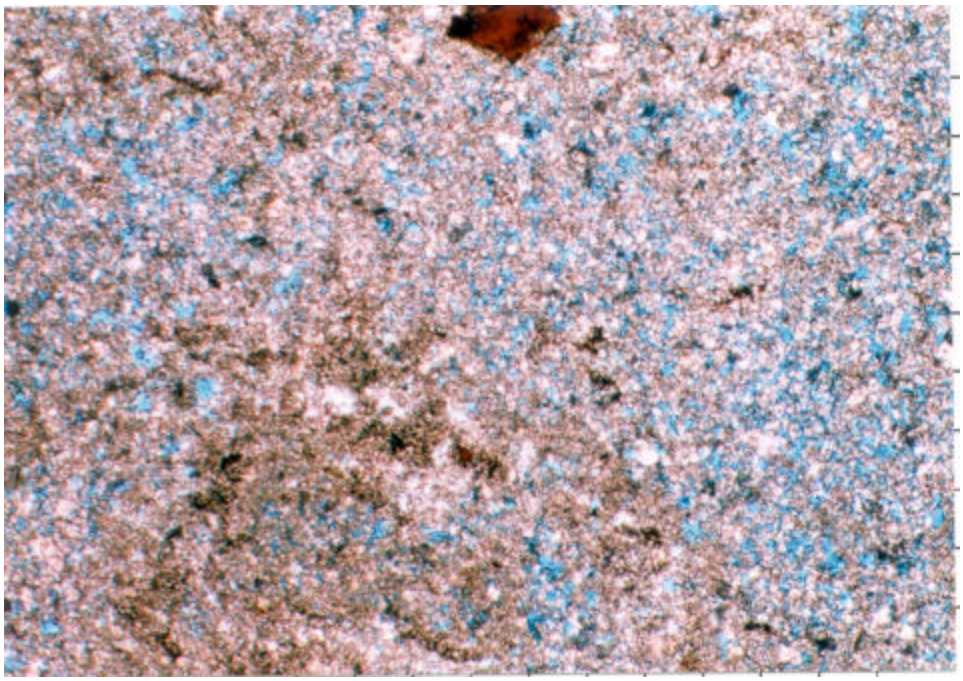
Sauget Area-2

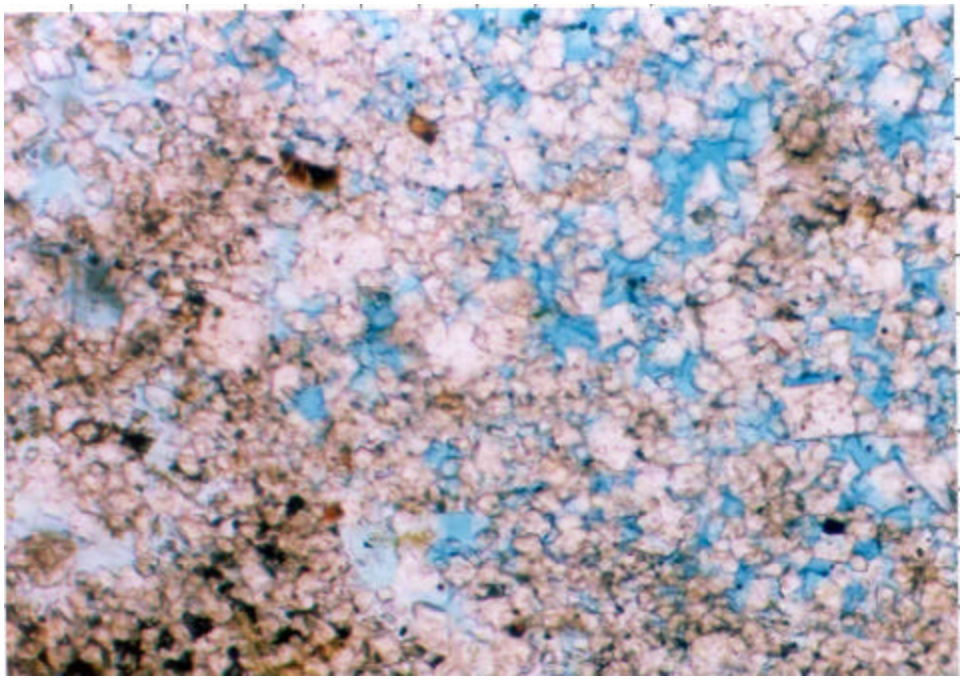
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-2-141

PLATE 36

Dunham Rock Type:	**Finely-crystalline dolostone**
Fabric & Matrix:	**Original groundmass has been entirely dolomitized**
Cements/Replacement:	**Dominantly dolomite (Plate 36B; F-G14); minor late pyrite (Plate 36B; H-J14)**
Allochems/Grains:	**Obscured by dolomitization; pellets (Plate 36A; E-F9); rare phosphatic fragments (Plate 36A; above A8.5)**
Porosity & Reservoir Quality:	**Reservoir quality moderate to good; major pore types include moldic (14% by volume) and intercrystalline (8% by volume); a trace each vuggy and interparticle pore space; microporosity (2% by volume) associated with small intercrystalline pores within dolomite groundmass**
Porosity Types:	**24% (by volume) total porosity; moldic pores (Plate 36B; B12) and intercrystalline pores (Plate 36B; F-G15) are most common**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

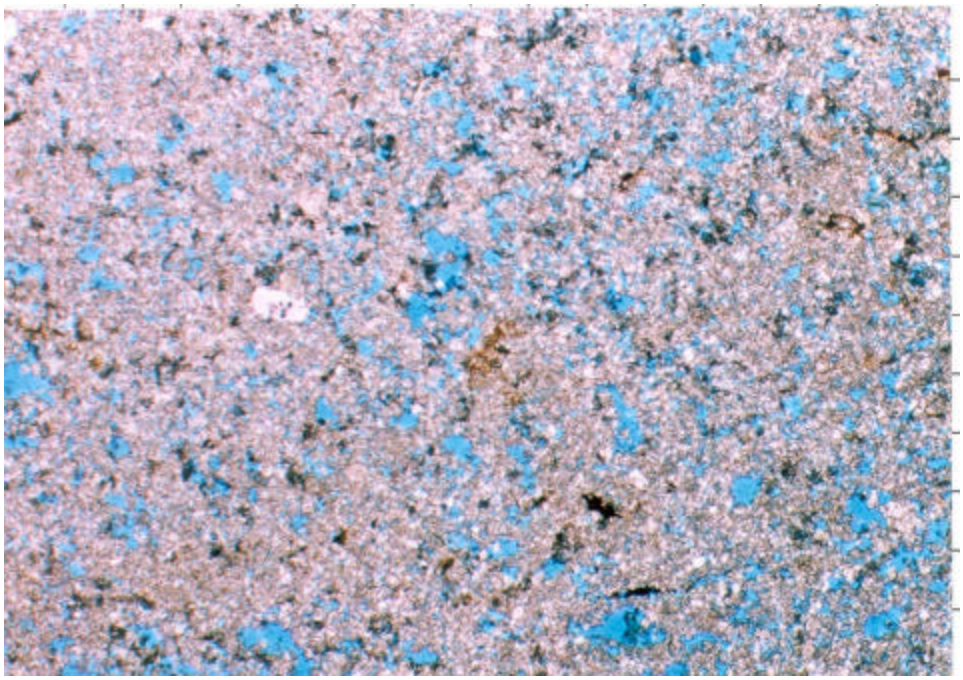
Sauget Area-2

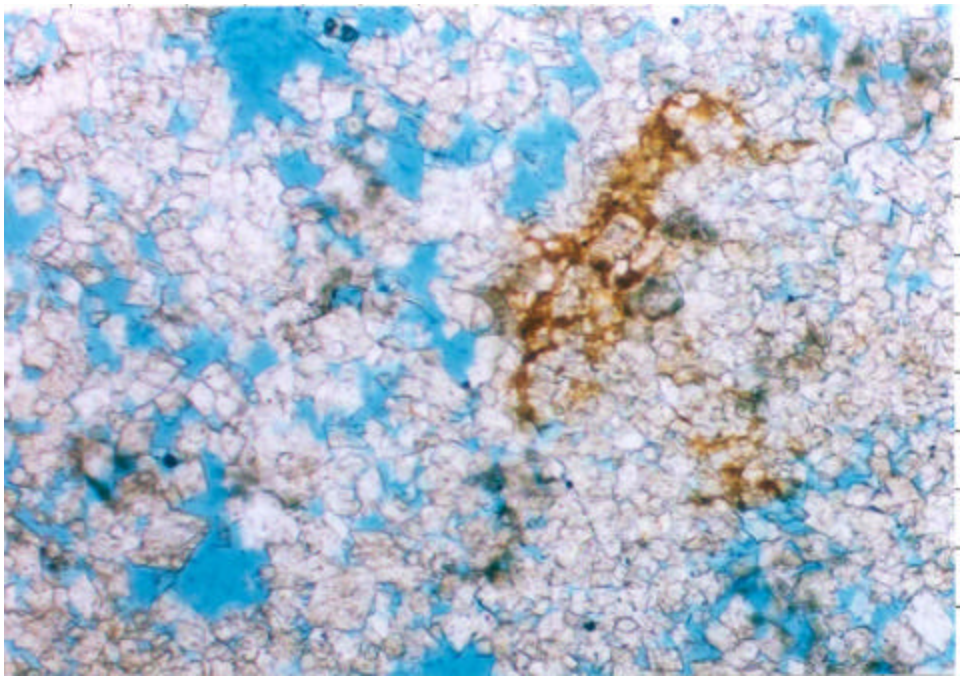
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: Q-2-143

PLATE 37

Dunham Rock Type:	**Finely-crystalline dolostone**
Fabric & Matrix:	**Dominantly dolomite**
Cements/Replacement:	**Dolomite; minor pyrite (black) and Fe-oxides (red brown)**
Allochems/Grains:	**Obscured by dolomitization**
Porosity & Reservoir Quality:	**Reservoir quality moderate to good; major pore types include moldic and intercrystalline; a trace each vuggy and interparticle pore space; microporosity (2% by volume) associated with small intercrystalline pores within dolomite groundmass**
Porosity Types:	**21% (by volume) total porosity; 13% (by volume) moldic pores (Plate 36B; B12) and 6% (by volume) intercrystalline pores (Plate 36B; F-G15) are most common**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

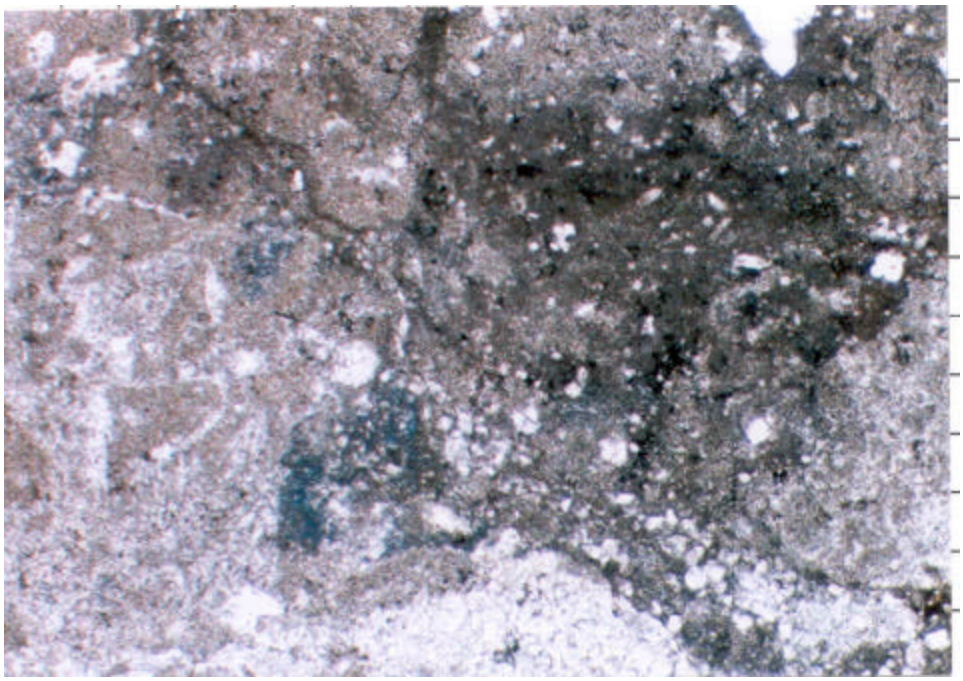
Sauget Area-2

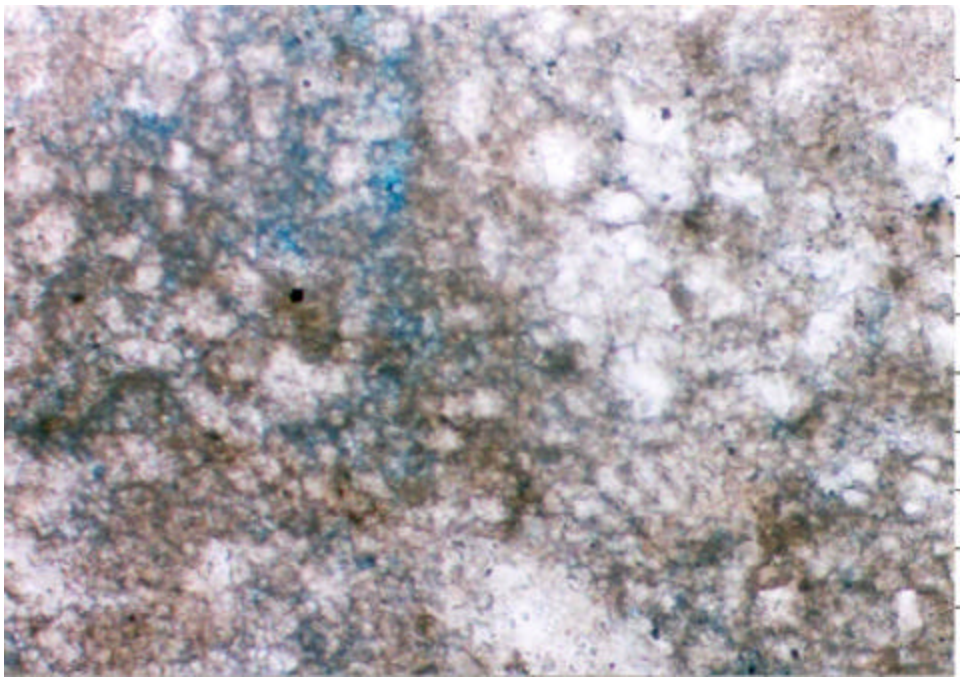
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-142

PLATE 38

Dunham Rock Type:	**Lime Wackestone**
Fabric & Matrix:	**Dominant micrite; some dolomitization (such as Plate 38A; area of K14)**
Cements/Replacement:	**Mainly dolomite replacement (Plate 38B; B4.5)**
Allochems/Grains:	**Rare quartz silt (Plate 38A; G13); scattered allochems including crinoids (Plate 38A; K9)**
Porosity & Reservoir Quality:	**Very poor or better reservoir quality; 4% (by volume) total porosity**
Porosity Types:	**Minor vuggy (Plate 38B; C6.5); in this case reduced by dolomite); micropores (Plate 38B; J12); associated both with micrite and with dolomitized areas**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

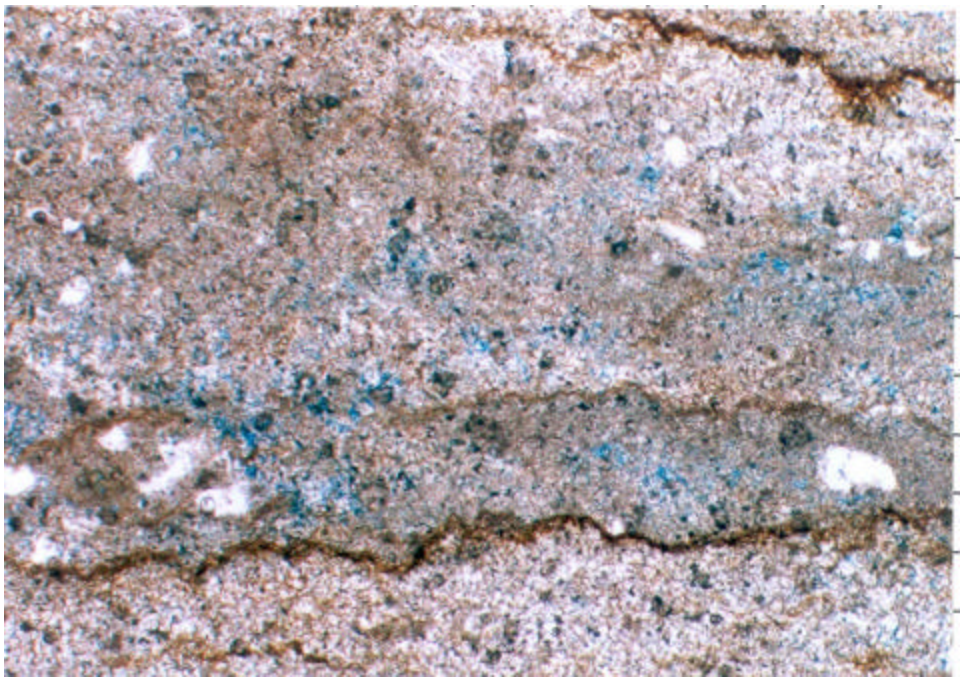
Sauget Area-2

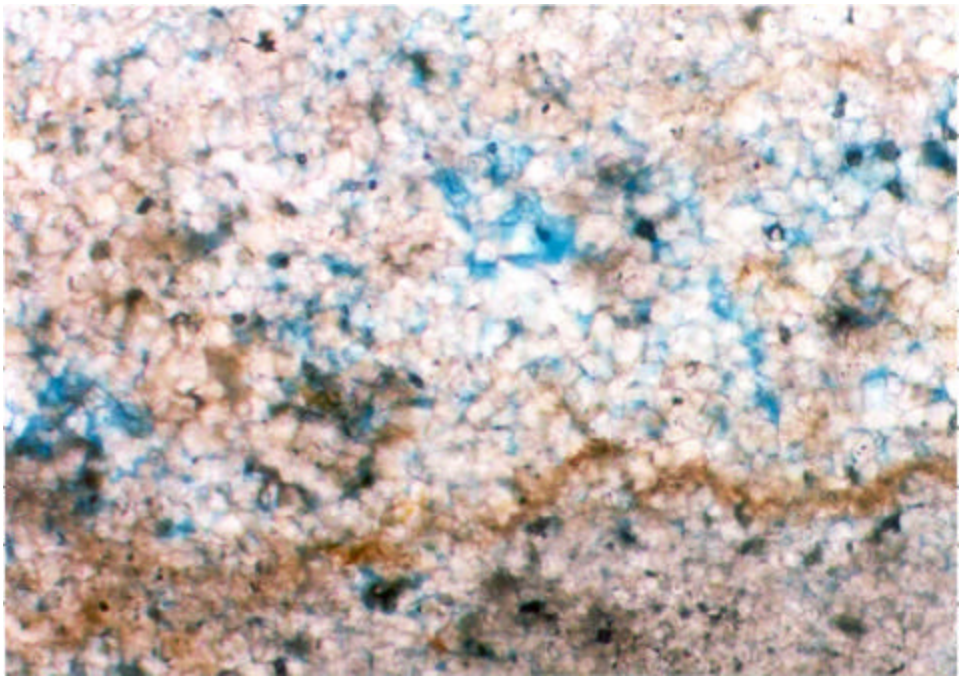
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-144

PLATE 39

Dunham Rock Type:	**Lime Wackestone, variably dolomitized**
Fabric & Matrix:	**Laminated; pre-stylolitic seams (across Plate 39A from H-J) forming in response to chemical compaction, with resulting concentration of organics (dark)**
Cements/Replacement:	**Microspar replacement of micrite (Plate 39A; D-E15); dolomitization (area of Plate 39B)**
Allochems/Grains:	**"Ghost" pellets (Plate 39A; B-C7); filled moldic voids (Plate 39A; G-H15)**
Porosity & Reservoir Quality:	**Zoned porosity (blue epoxy); poor to moderate reservoir quality**
Porosity Types:	**Moldic (4% by volume; C-D9 of Plate 39B); intercrystalline (2% by volume; E-F12.5 of Plate 39B); microscopic (2% by volume observed), trace vuggy, trace fracture**
Magnification:	**A: 40X B: 200X**





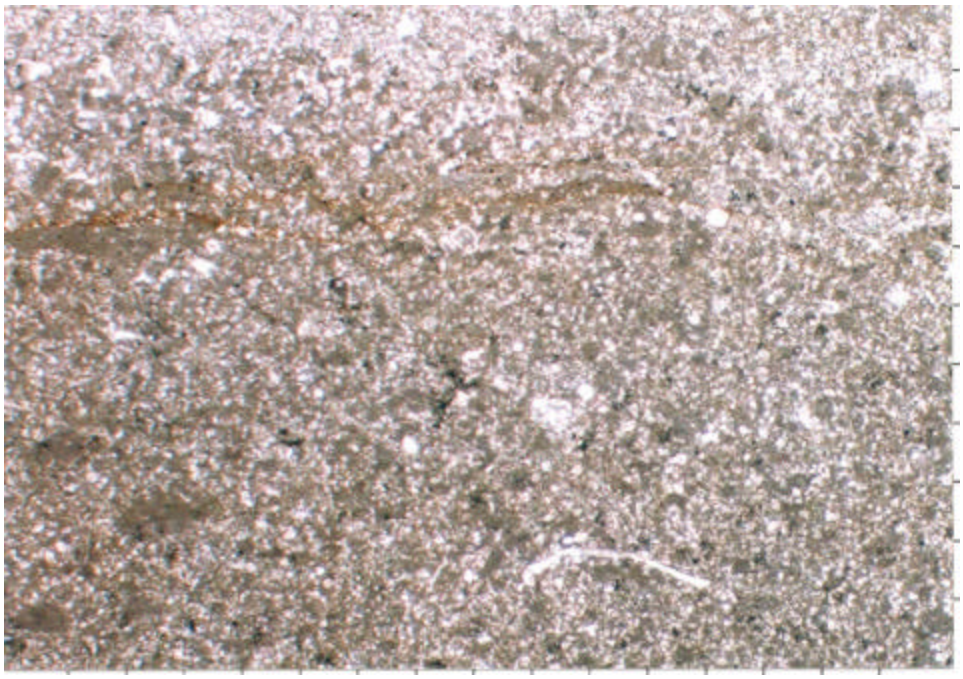
URS Corporation **File No.: G-20068**
Sauget Area-2

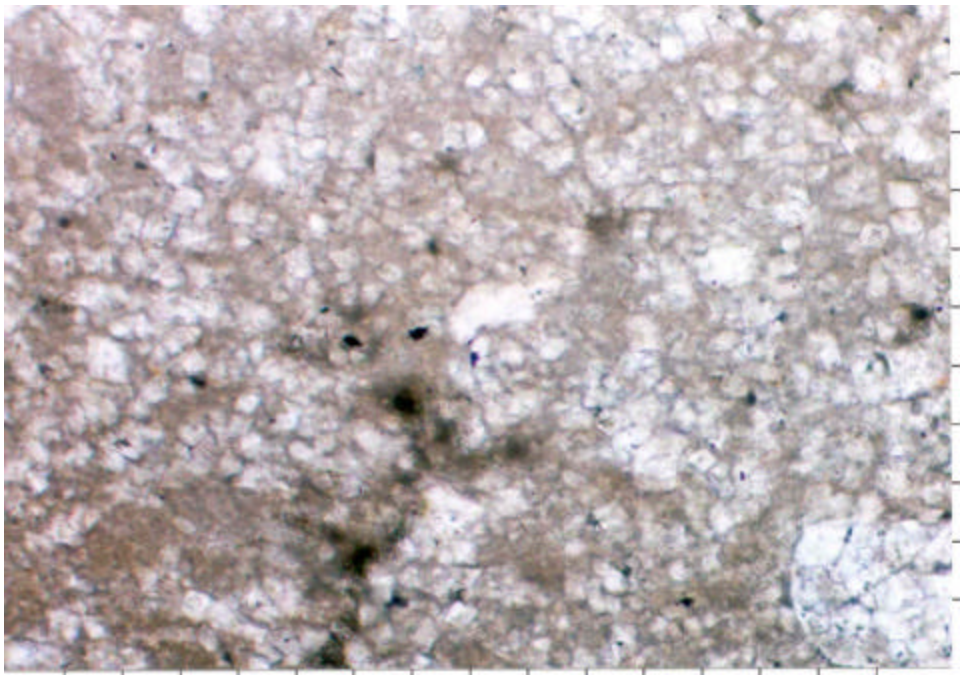
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-146

PLATE 40

Dunham Rock Type:	**Lime Packstone, variably dolomitized**
Fabric & Matrix:	**Common micrite (brownish) as both "true" matrix and compacted pellets ("pseudomatrix")**
Cements/Replacement:	**Common, scattered dolomite rhombs (Plate 40B; G-H11); late replacive pyrite (Plate 40B; E-F7)**
Allochems/Grains:	**Abundant pellets (Plate 40B; J2); minor thin-shelled pelecypods (Plate 40A; J-K10); minor undifferentiated micritic grains (Plate 40A; H-J2.5)**
Porosity & Reservoir Quality:	**A trace amount of intercrystalline pore space (not observed in this view) in addition to trace microporosity**
Porosity Types:	**Micropore space may be higher than the "trace" indicated due to nature of the sediment**
Magnification:	**A: 40X B: 200X**





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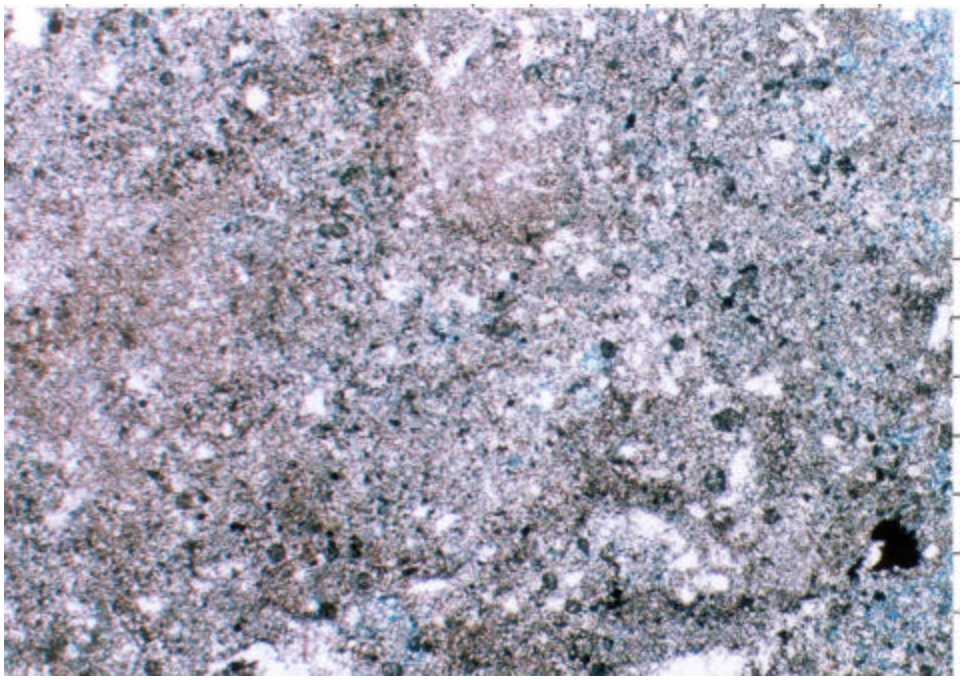
Sauget Area-2

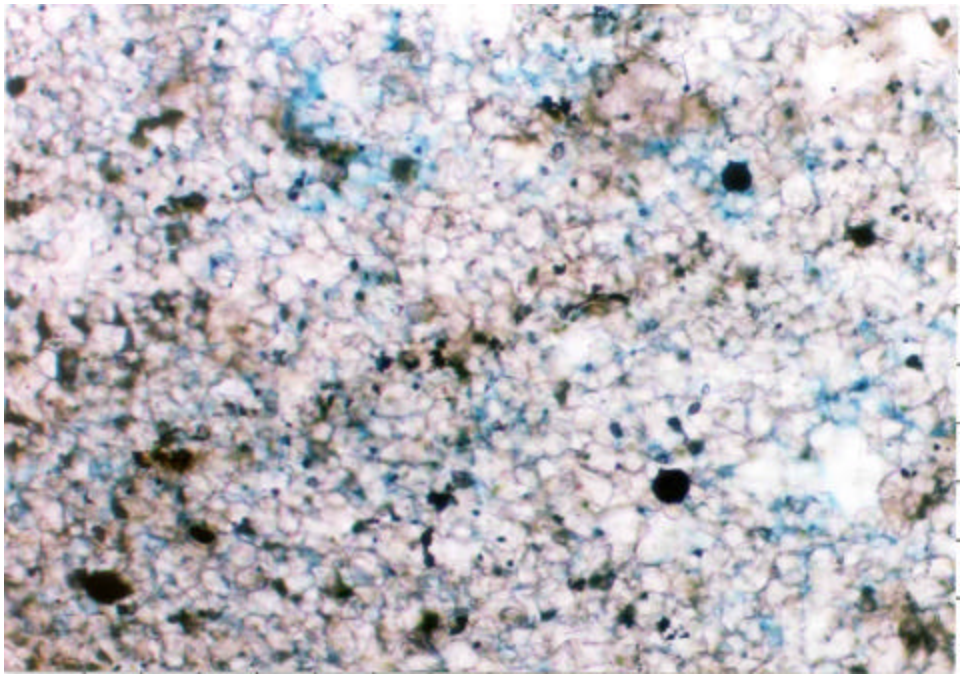
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-149

PLATE 41

Dunham Rock Type:	**Lime Wackestone, variably dolomitized**
Fabric & Matrix:	**Some patchy, burrowed fabric is noted in Plate 41A; micritic matrix (Plate 41A; H14.5) in this view is mainly dolomite-replaced**
Cements/Replacement:	**Common dolomite replacement (Plate 41B; D8) shown in this view; late pyrite (Plate 41B; C12) is commonly noted**
Allochems/Grains:	**Minor crinoid/echinoid debris (Plate 41A; below K12,E15.5); "ghost" pellets (Plate 41B; A-B10.5)**
Porosity & Reservoir Quality:	**Overall poor or better reservoir quality; 9% (by volume) total porosity by point count methods**
Porosity Types:	**Intercrystalline pores (Plate 41B; F-G14) and moldic pores (Plate 41B; A-B4.5) are common effective types; ineffective micropores also commonly-observed**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

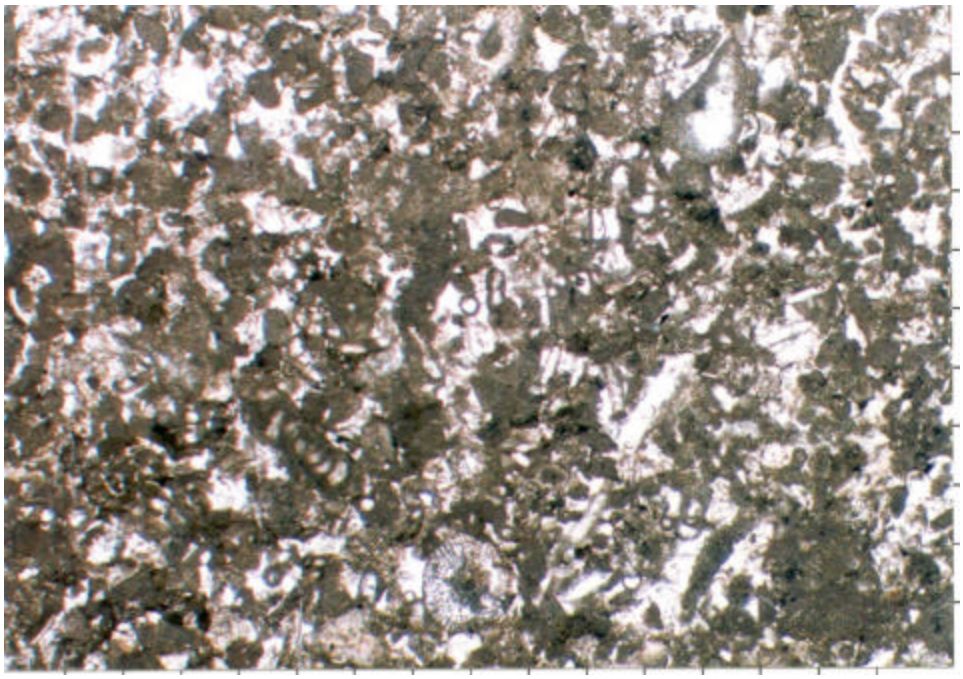
Sauget Area-2

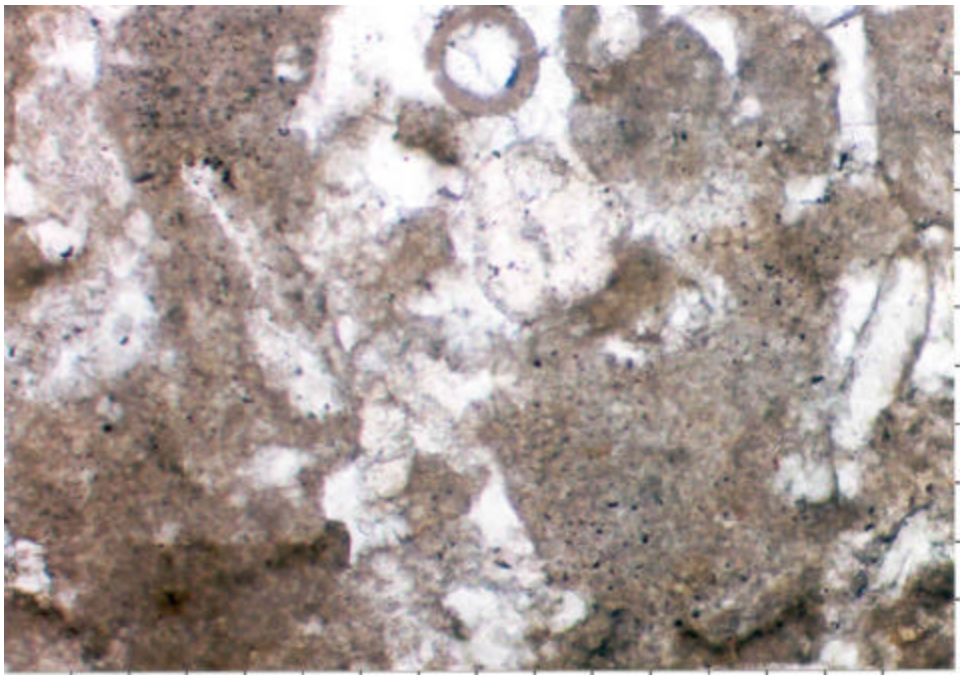
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-151

PLATE 42

Dunham Rock Type:	**Lime Grainstone (minor Packstone)**
Fabric & Matrix:	**Micrite matrix rare, only in packstone regions**
Cements/Replacement:	**Coarse calcite spar cement (Plate 42B; A6.5) dominant**
Allochems/Grains:	**Chambered forams (Plate 42B; G-H5.5); crinoid plates (Plate 42B; A-B12); echinoderm spines (Plate 42B; J-K8); pellets (Plate 42B; A-B4.5); undifferentiated micritic types (K14 of Plate 42B)**
Porosity & Reservoir Quality:	**Reservoir quality is considered very poor; pores limited to micropores (trace observed) and intraparticle pores (trace observed) within micritic grains**
Porosity Types:	**No porosity is observed in this view; overall micropore content may be greater than the "trace" observed, due to high micrite content (within allochems)**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

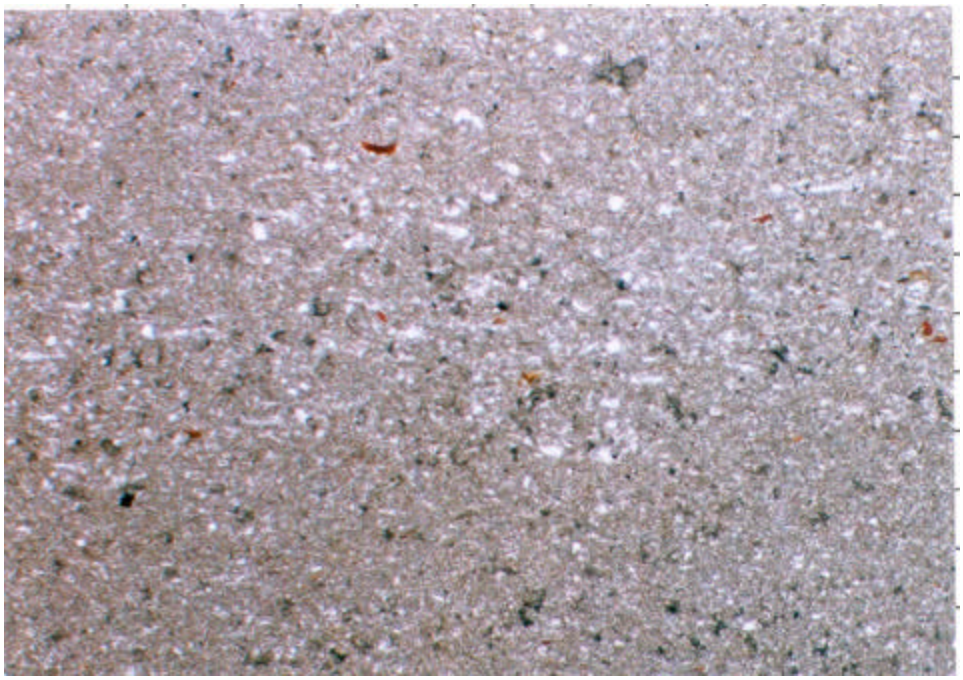
Sauget Area-2

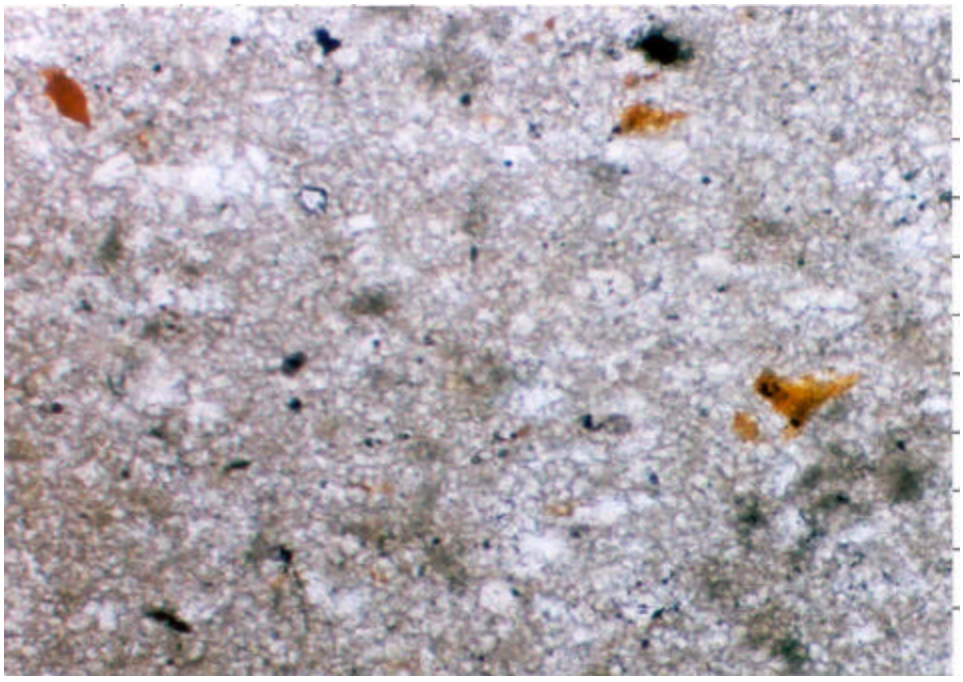
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-153

PLATE 43

Dunham Rock Type:	**Lime Wackestone, slightly dolomitized**
Fabric & Matrix:	**Massive fabric; common micrite (brownish; H-J2 of Plate 43B); sporadic dolomite replacement (Plate 43B; K8.5) with very fine crystals**
Cements/Replacement:	**Aforementioned dolomite; minor late pyrite (Plate 43B; A5.5)**
Allochems/Grains:	**"Ghost" pellets (Plate 43B; A7.5); calcitic fossil fragments (Plate 43A; C14,B8)**
Porosity & Reservoir Quality:	**No porosity observed; reservoir quality is very poor**
Porosity Types:	**Micropores should be present in this rock, but were not observed**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

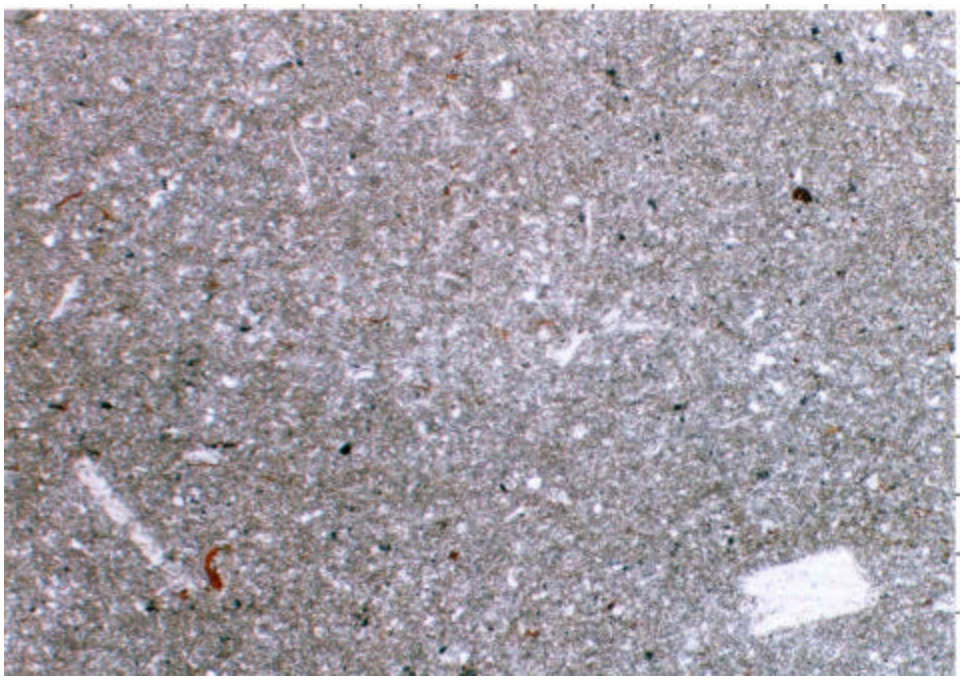
Sauget Area-2

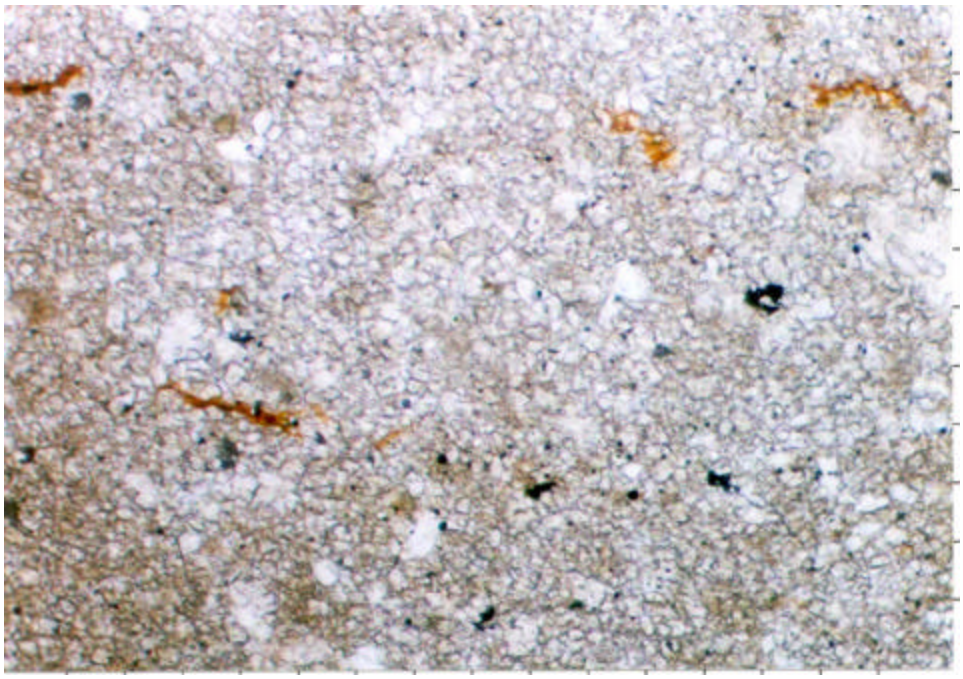
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-155

PLATE 44

Dunham Rock Type:	**Lime Wackestone, variably dolomitized**
Fabric & Matrix:	**Appears massive, micrite (brownish) is replaced in areas by dolomite**
Cements/Replacement:	**Common very fine dolomite (Plate 44B; B4.5); minor pyrite (Plate 44B; E13)**
Allochems/Grains:	**Echinoid plates (Plate 44A; K13.5); compressed pellets (Plate 44B; K5)**
Porosity & Reservoir Quality:	**No pore space observed; reservoir quality is very poor**
Porosity Types:	**Microporosity may be present within micrite and between very fine dolomite crystals**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

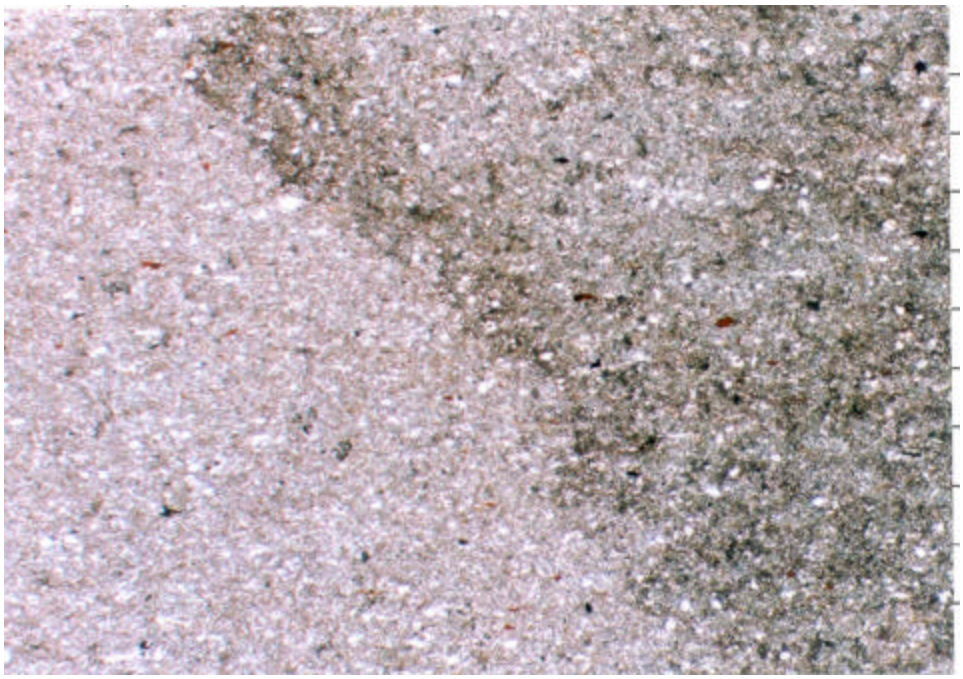
Sauget Area-2

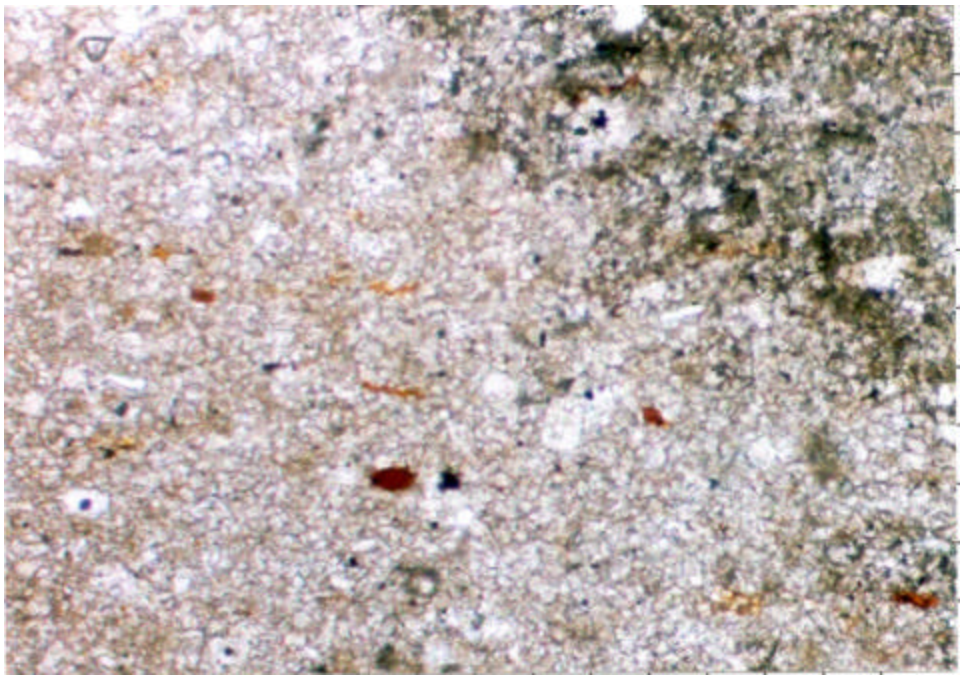
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-157

PLATE 45

Dunham Rock Type:	**Lime Wackestone, variably dolomitized**
Fabric & Matrix:	**Note the variable appearance of the sample, with tighter material to lower left and a burrowed area to the upper right (of Plate 45A); micrite and very fine dolomite replacement**
Cements/Replacement:	**Very fine dolomite replacement (A4.5 of Plate 45B) is common**
Allochems/Grains:	**Obscured by dolomitization; minor skeletal allochems (Plate 45A; E-F2.5) observed**
Porosity & Reservoir Quality:	**Only a trace of porosity observed; reservoir quality is very poor**
Porosity Types:	**Moldic (not observed in this view, a trace amount); microporosity (a trace amount observed) could potentially be significantly higher**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

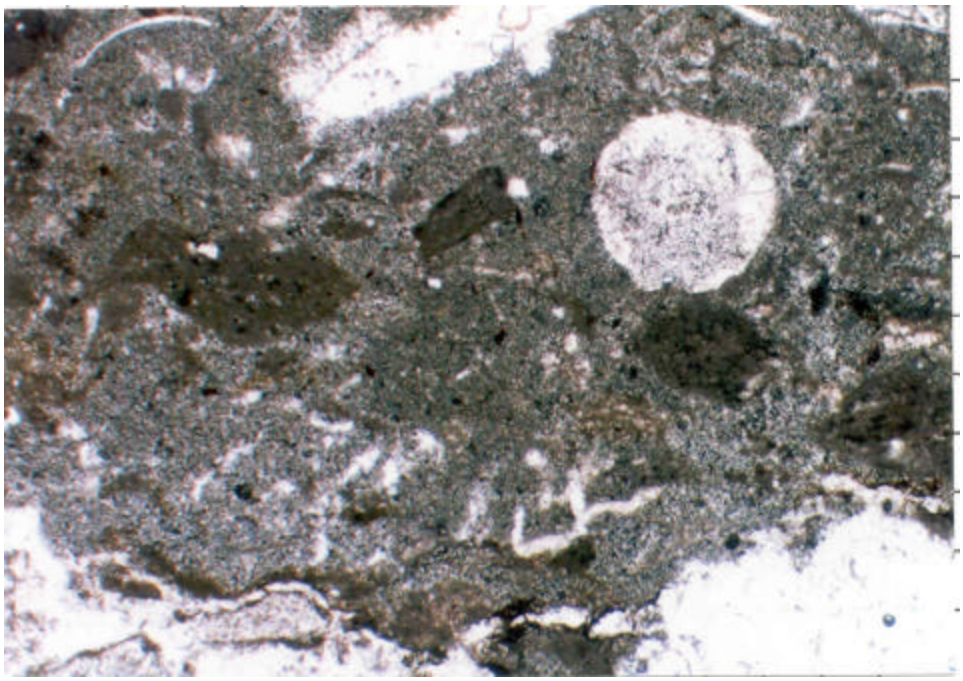
Sauget Area-2

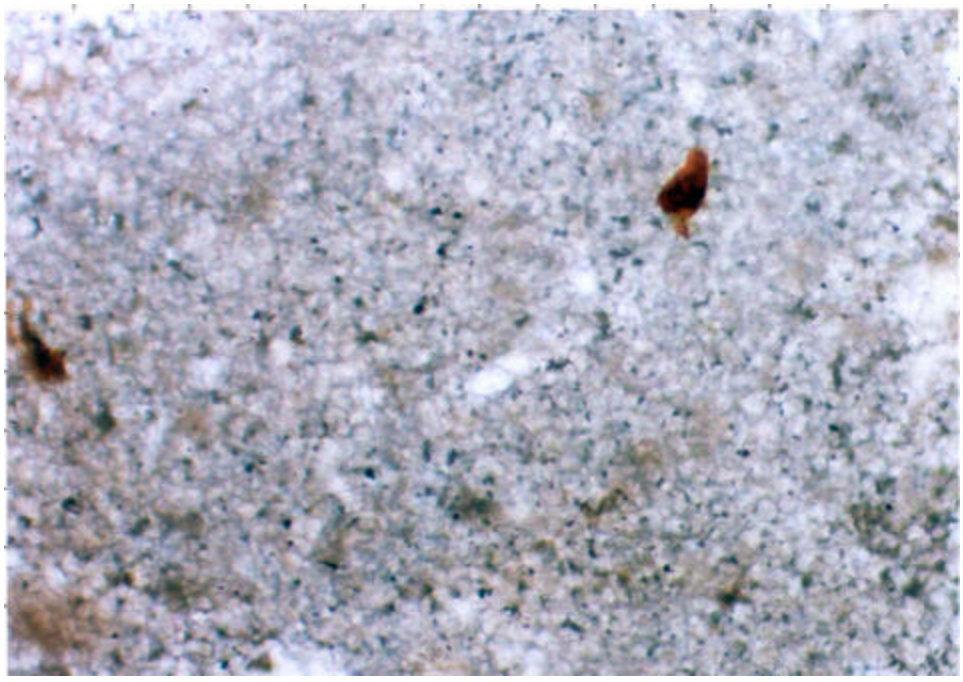
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-159

PLATE 46

Dunham Rock Type:	**Lime Wackestone/Packstone, variably dolomitized**
Fabric & Matrix:	**Majority of micrite has been replaced by very fine dolomite (Plate 45B; C15)**
Cements/Replacement:	**Dolomite replacement is common**
Allochems/Grains:	**Micritic intraclasts (Plate 46A; D-E4.5); crinoid fragments (Plate 46A; C12); thin-shelled pelecypods (Plate 46A; above A2)**
Porosity & Reservoir Quality:	**Intercrystalline pores (Plate 46A; A-B6); micropores related to micrite as well as dolomitization; reservoir quality is very poor to poor**
Porosity Types:	**Micropore content may be higher than indicated; minor intercrystalline pore space in dolomitized areas**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

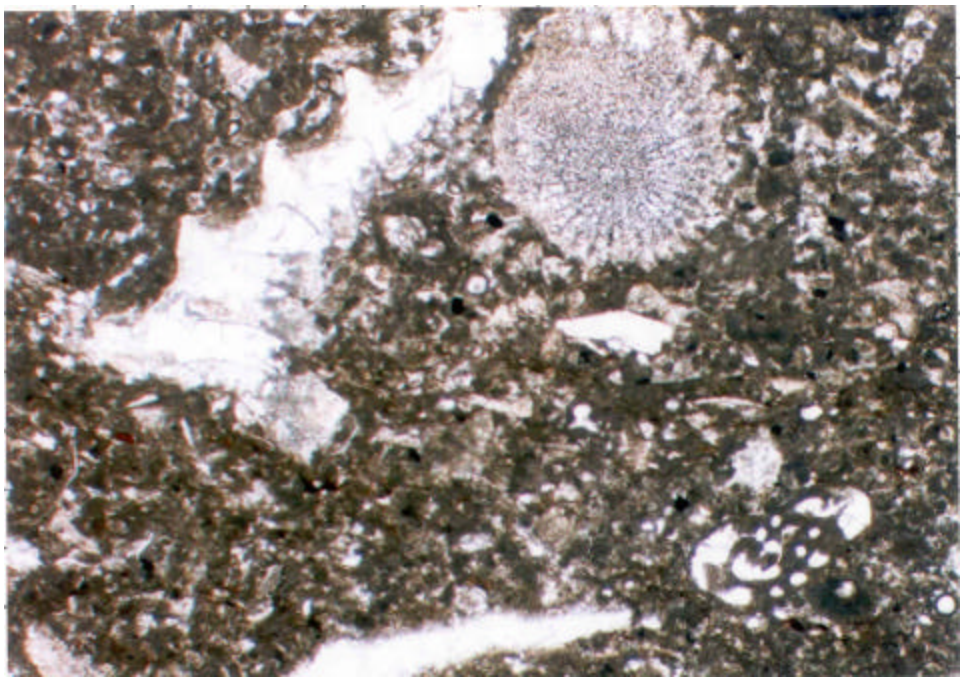
Sauget Area-2

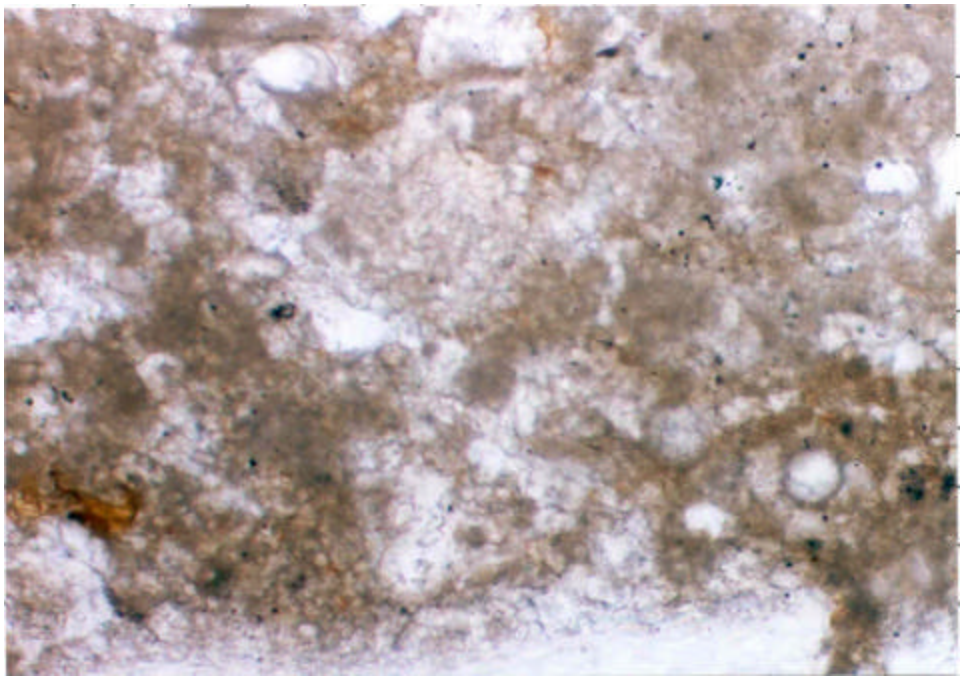
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-161

PLATE 47

Dunham Rock Type:	**Pelletal Lime Packstone**
Fabric & Matrix:	**Abundant micrite (brownish interparticle material)**
Cements/Replacement:	**Minor replacement pyrite (Plate 47A; A-B14); some microspar replacement of micrite**
Allochems/Grains:	**Echinoderm fragments (Plate 47A; B10,D4.5); minor chambered forams (Plate 47A; J13); abundant micritic pellets (Plate 47B; C13.5)**
Porosity & Reservoir Quality:	**Minor intraparticle pores and micropores are noted; reservoir quality is considered very poor**
Porosity Types:	**No pore space shown in these views; micropore space may be higher than indicated**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

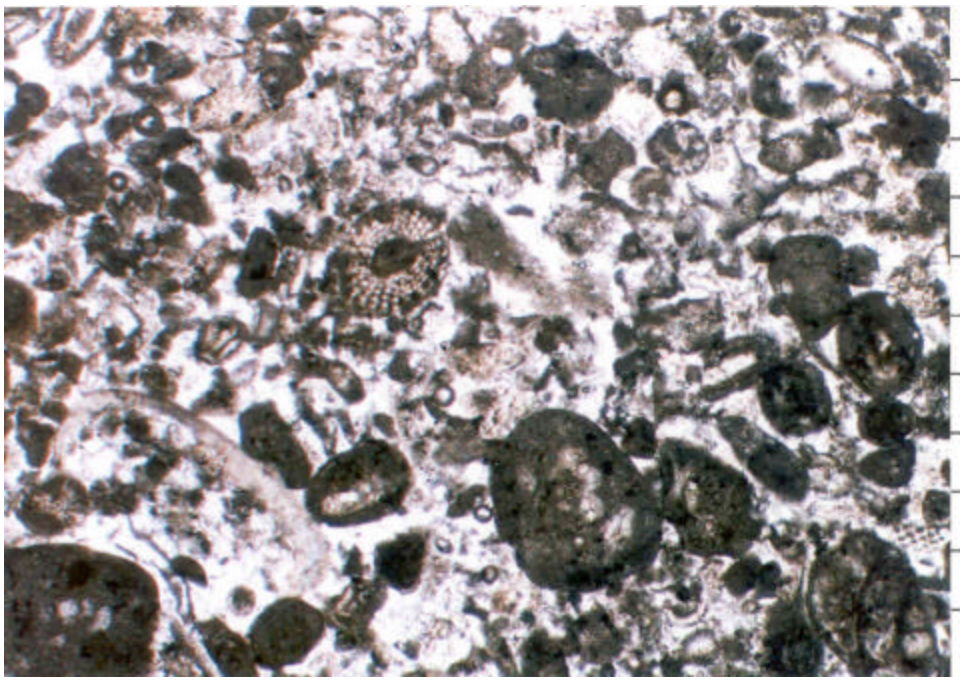
Sauget Area-2

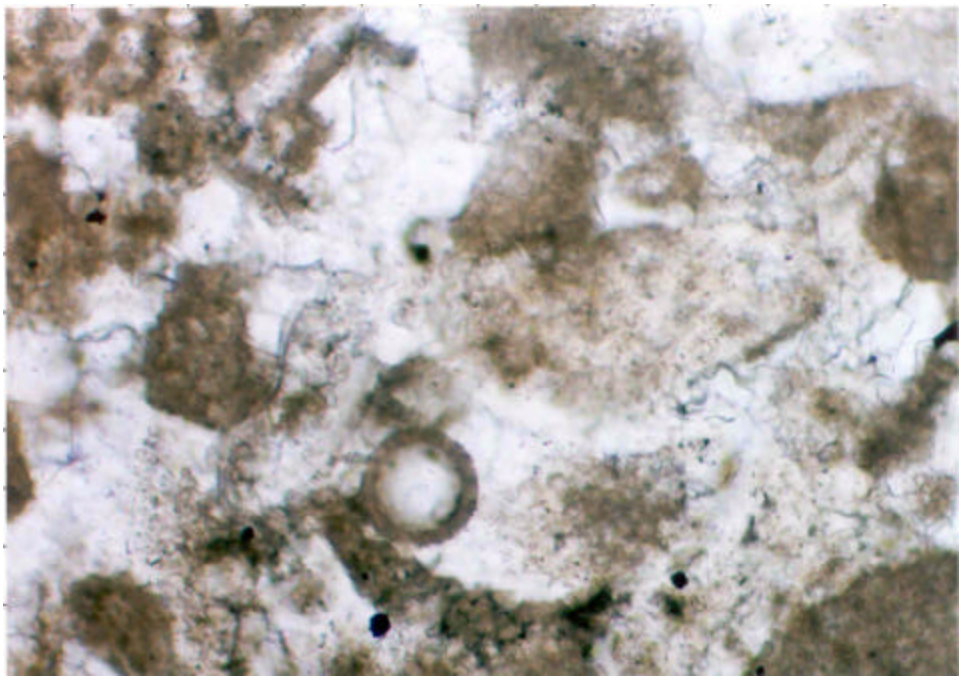
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: R-1-163

PLATE 48

Dunham Rock Type:	**Lime Grainstone**
Fabric & Matrix:	**No micritic matrix in this high depositional energy sediment**
Cements/Replacement:	**Dominant blocky to coarse calcite spar (Plate 48B; B-C7)**
Allochems/Grains:	**Micritic intraclasts (Plate 48A; H10.5); echinoderm spines (Plate 48A; D7); undifferentiated micritic grains (Plate 48A; D-E14); pellets (Plate 48A; C3); echinoid fragments (Plate 48A; B10.5)**
Porosity & Reservoir Quality:	**No porosity observed; reservoir quality is considered very poor**
Porosity Types:	**None observed; microporosity is likely associated with the common micritic grains**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

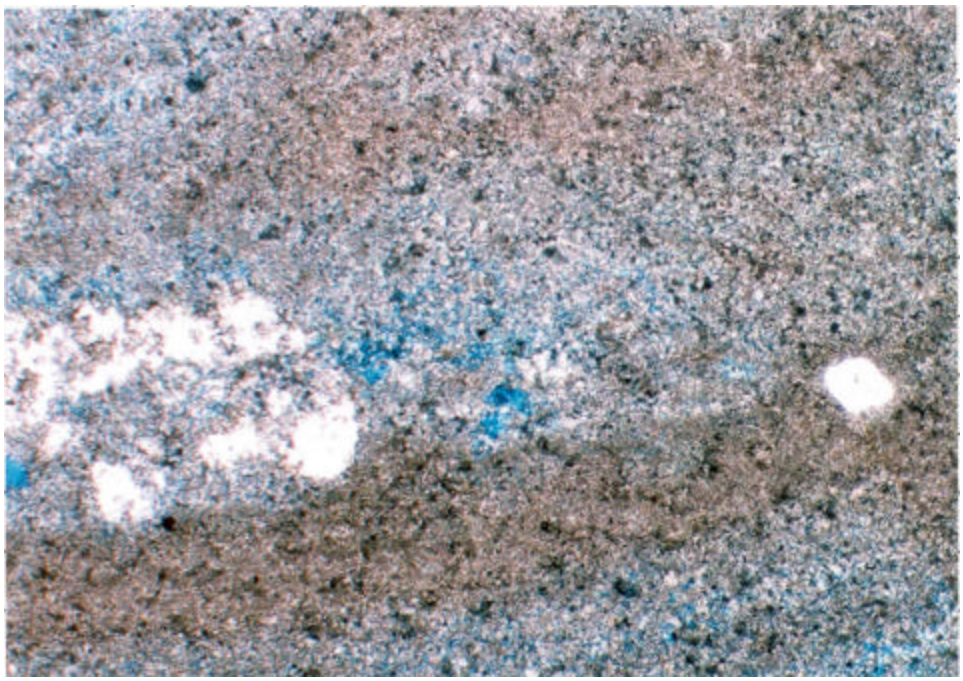
Sauget Area-2

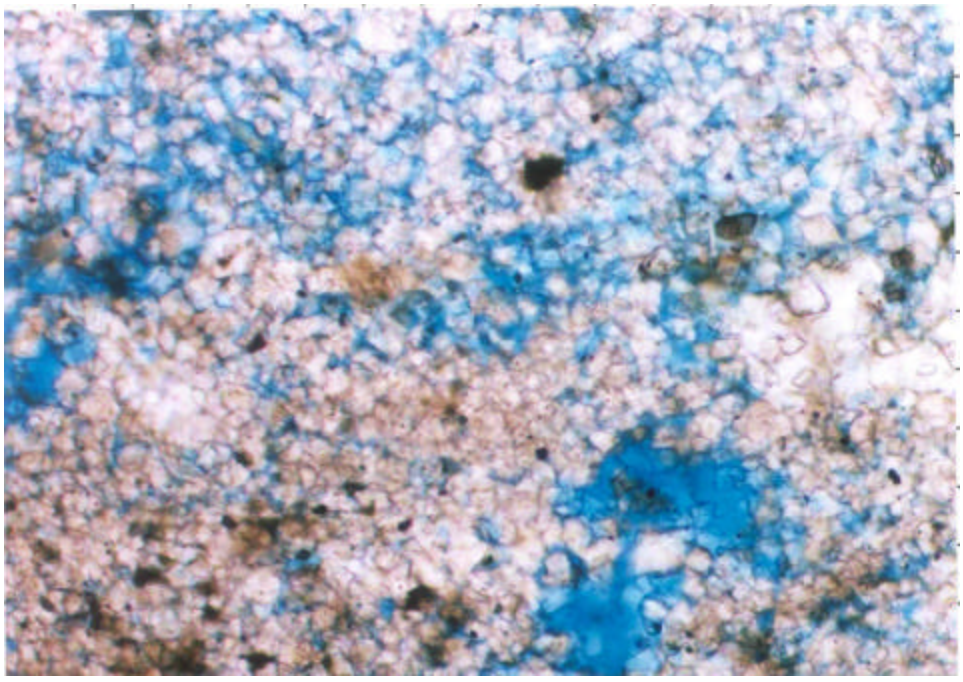
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: S-1-147

PLATE 49

Dunham Rock Type:	**Fine-crystalline Dolostone**
Fabric & Matrix:	**Laminated; more finely-crystalline darker material (Plate 49A; near photo base) is observed in contrast to more porous, coarser dolostone (center of Plate 49A photo)**
Cements/Replacement:	**Extensive dolomitization (dolomite crystal at C-D14 of Plate 49B); anhydrite (white; E-F3 of Plate 49A); pyrite (Plate 49B; B-C9)**
Allochems/Grains:	**None observed except for "ghost" pellets (Plate 49A; A-B11)**
Porosity & Reservoir Quality:	**Reservoir quality is considered moderate; porosity is patchy but fairly developed; 12% (by volume) total porosity**
Porosity Types:	**Common pore types include intercrystalline (Plate 49B; B2.5), moldic (Plate 49B; H11.5), and microscopic (area of G-H12 in Plate 49A) varieties**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

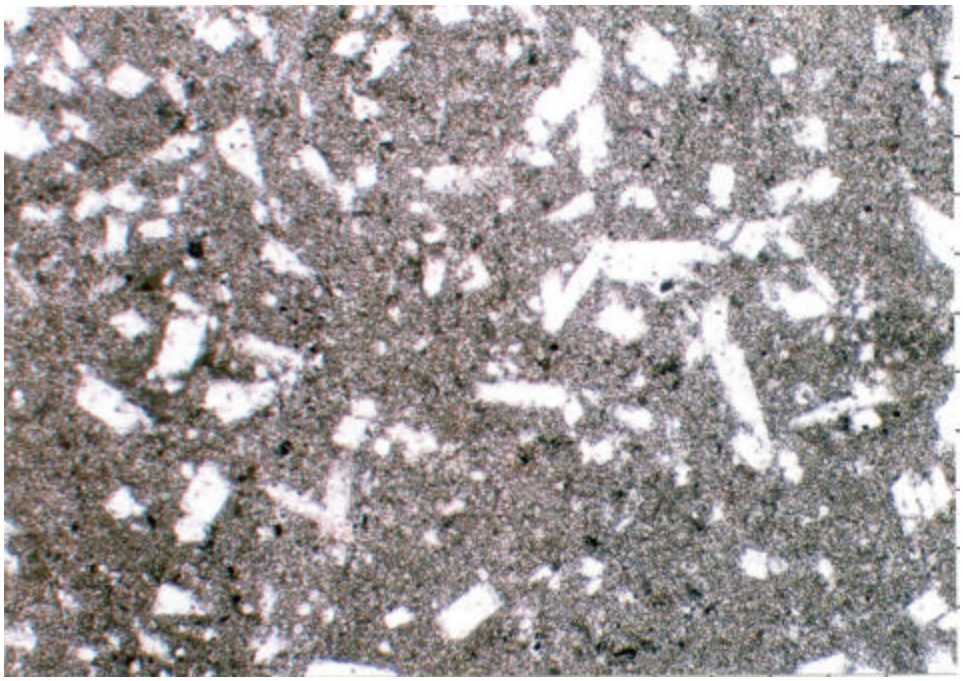
Sauget Area-2

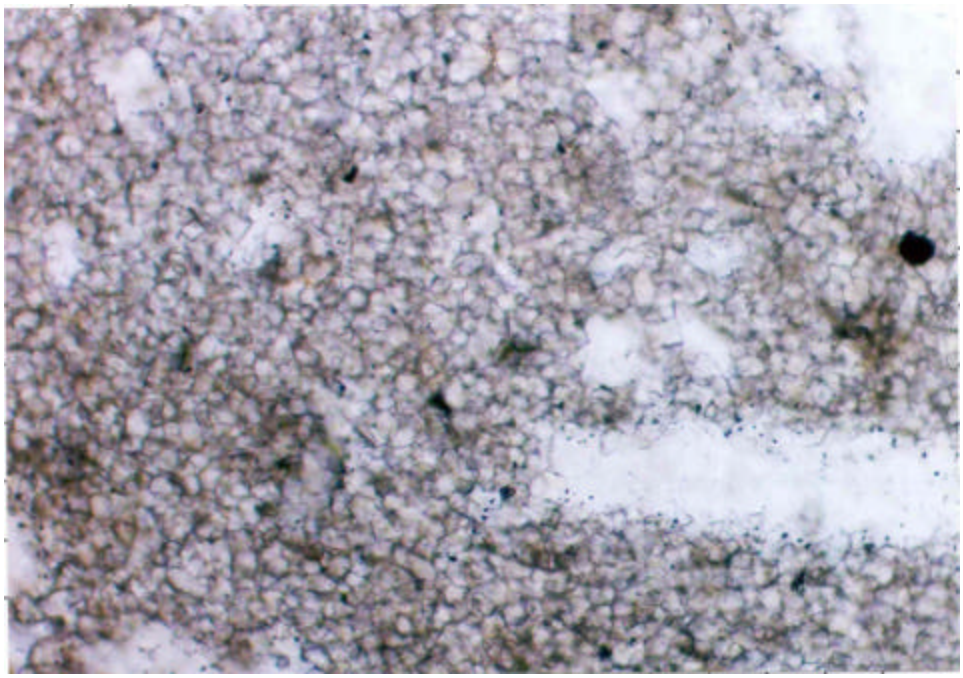
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: S-1-155

PLATE 50

Dunham Rock Type:	**Lime Wackestone (dolomitized)**
Fabric & Matrix:	**Extensive dolomitization**
Cements/Replacement:	**Dolomite replacement (Plate 50B; area of C7); rare pyrite (Plate 50B; D15.5)**
Allochems/Grains:	**Mainly echinoid (Plate 50A; F12.5) and mollusk (Plate 50A; H5) fragments**
Porosity & Reservoir Quality:	**Reservoir quality is very poor, due to a lack of effective pore space**
Porosity Types:	**A trace amount each of intercrystalline, moldic, fracture, and microscopic types was detected**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

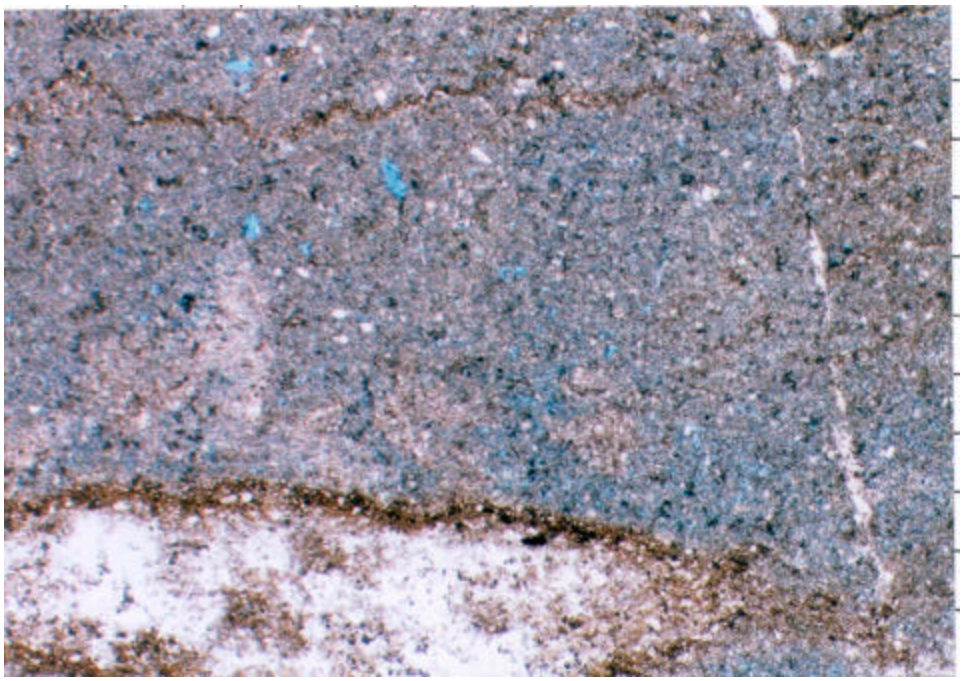
Sauget Area-2

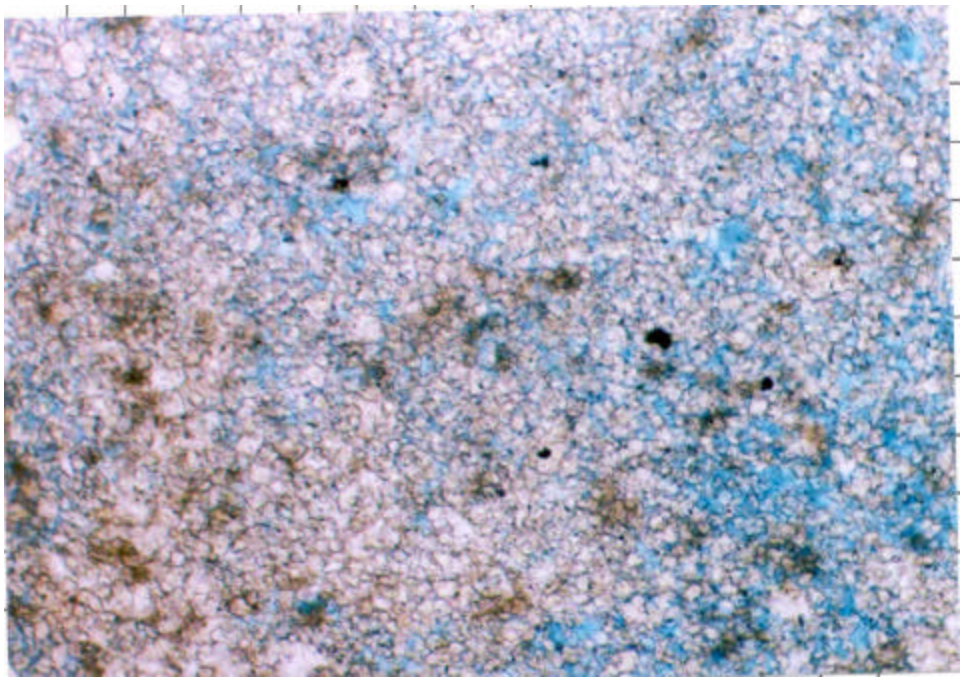
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: S-1-157

PLATE 51

Dunham Rock Type:	**Lime Wackestone, dolomitized**
Fabric & Matrix:	**Laminated; note the vshaly, lensoidal lamination to the lower left of Plate 51A; fractured (fracture trends form A13-K15 of Plate 51A)**
Cements/Replacement:	**Common dolomite replacement (Plate 51B; B10 area)**
Allochems/Grains:	**Only "ghost" pellets (Plate 51B; H11) observed**
Porosity & Reservoir Quality:	**Reservoir quality is considered moderate; porosity (blue epoxy) is fairly developed**
Porosity Types:	**12% (by volume) total porosity; intercrystalline (Plate 51B; B14.5), moldic (Plate 51A; C6.5), and microscopic (Plate 51B; area of A5) pores observed**
Magnification:	**A: 40X B: 200X**





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File No.: G-20068

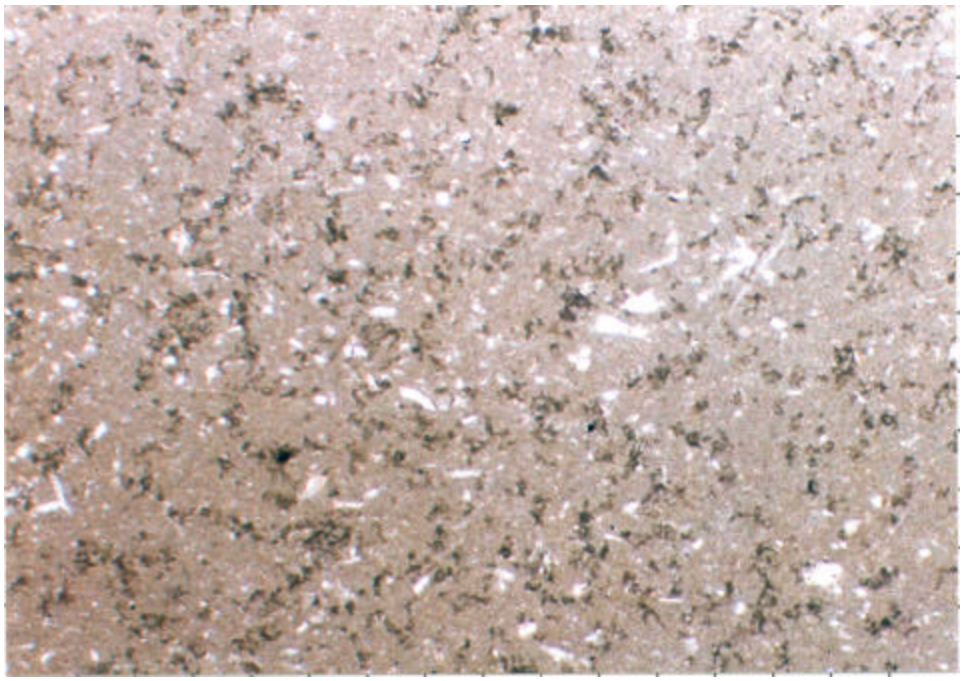
Sauget Area-2

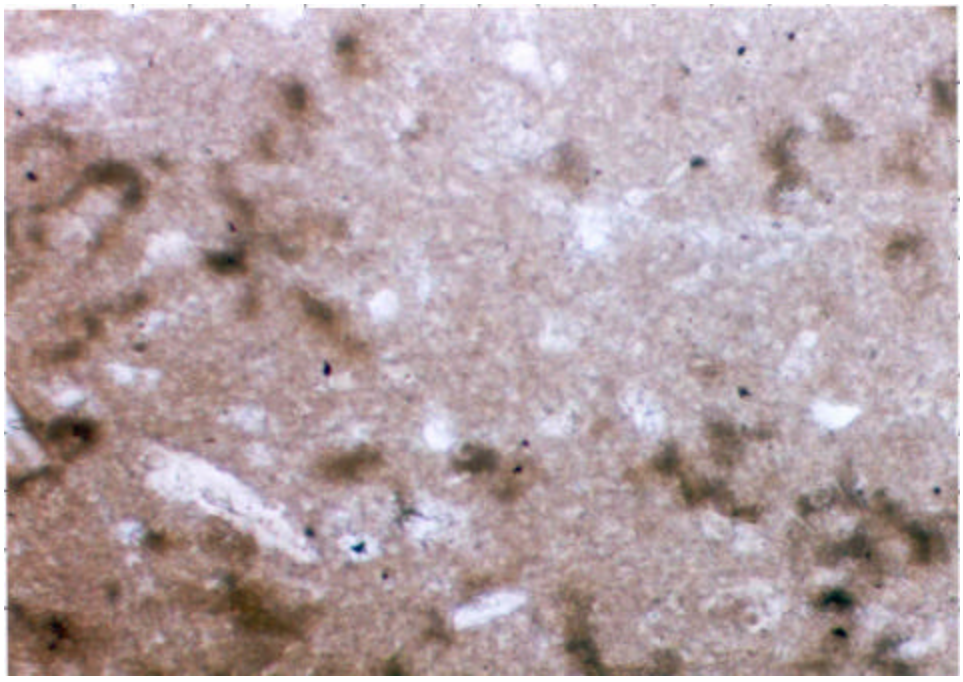
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: S-1-159

PLATE 52

Dunham Rock Type:	**Lime Wackestone**
Fabric & Matrix:	**Massive, abundant micrite/microspar matrix**
Cements/Replacement:	**Microspar has replaced much of the original micritic groundmass**
Allochems/Grains:	**Mollusks (Plate 52B; H3); organic material (dark structures)**
Porosity & Reservoir Quality:	**Only visible porosity observed (not in this view) is a trace of moldic pore space; reservoir quality is very poor**
Porosity Types:	**Some microporosity is likely associated with the micritic and microspar-replaced matrix**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

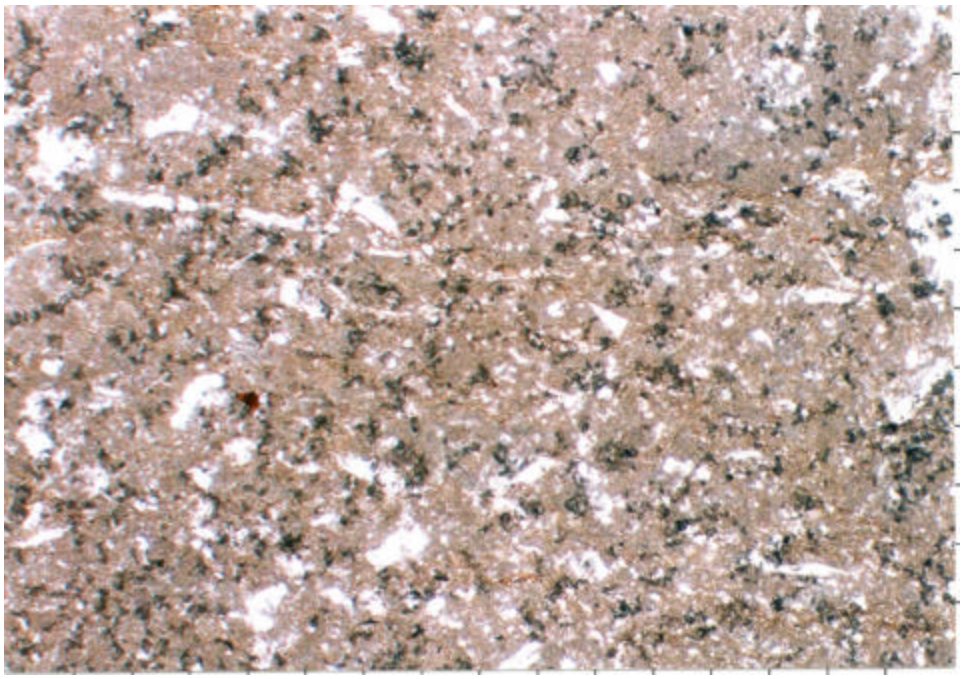
Sauget Area-2

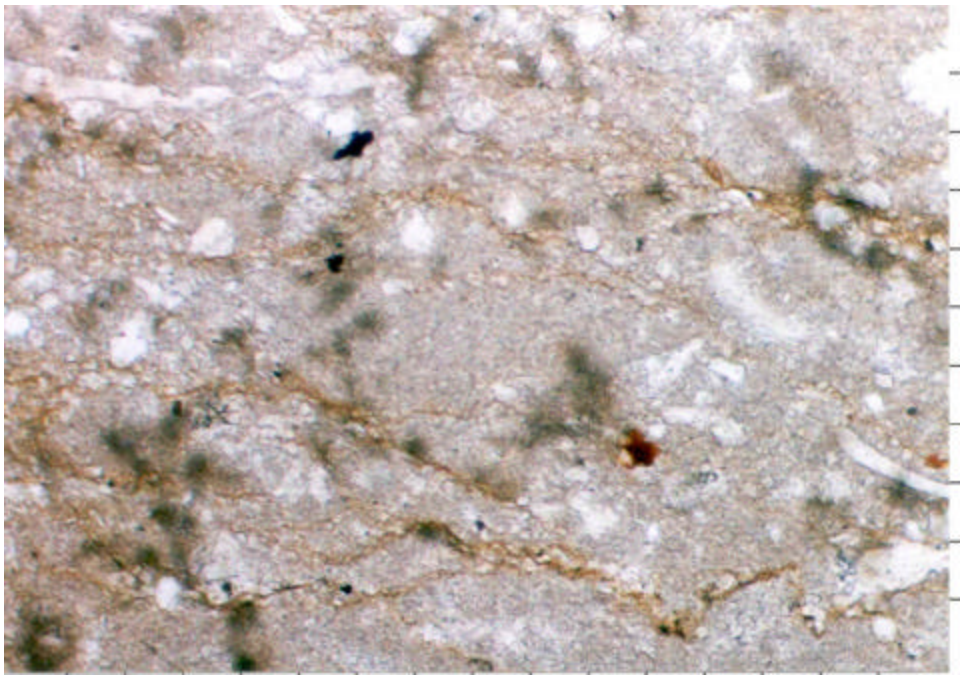
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: S-1-161

PLATE 53

Dunham Rock Type:	**Lime Wackestone/Pelletal Packstone**
Fabric & Matrix:	**Micritic matrix (brownish) which has been variably replaced by microspar**
Cements/Replacement:	**Minor dolomite replacement (Plate 53B; D10)**
Allochems/Grains:	**Mollusks (Plate 53A; J-K14); echinoids (Plate 53A; C-D6)**
Porosity & Reservoir Quality:	**No porosity observed; reservoir quality is considered very poor**
Porosity Types:	**Microporosity is likely associated with the recrystallized micritic matrix**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

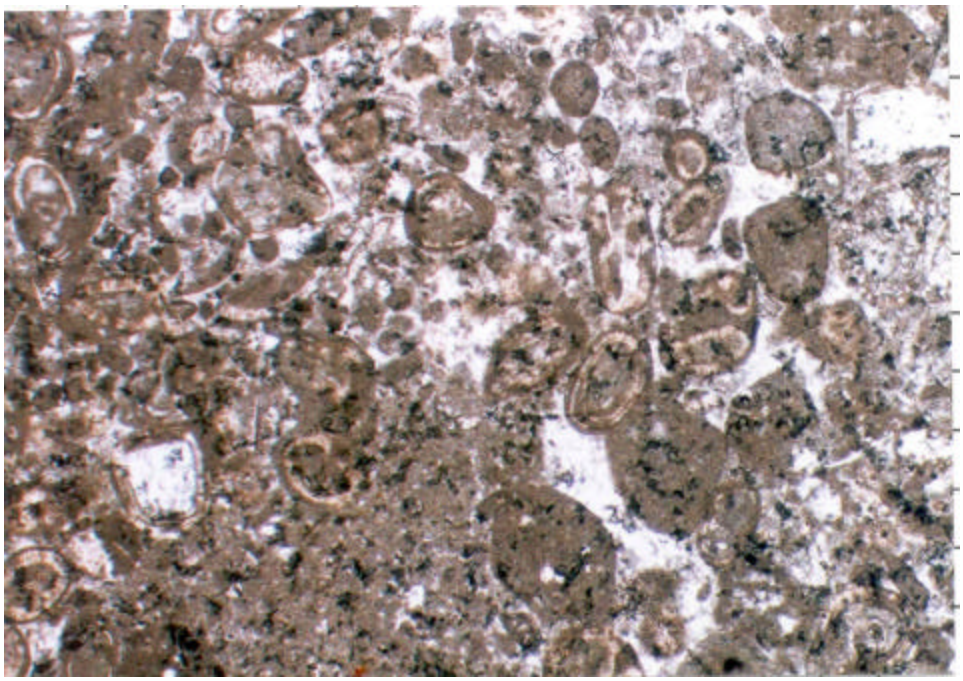
Sauget Area-2

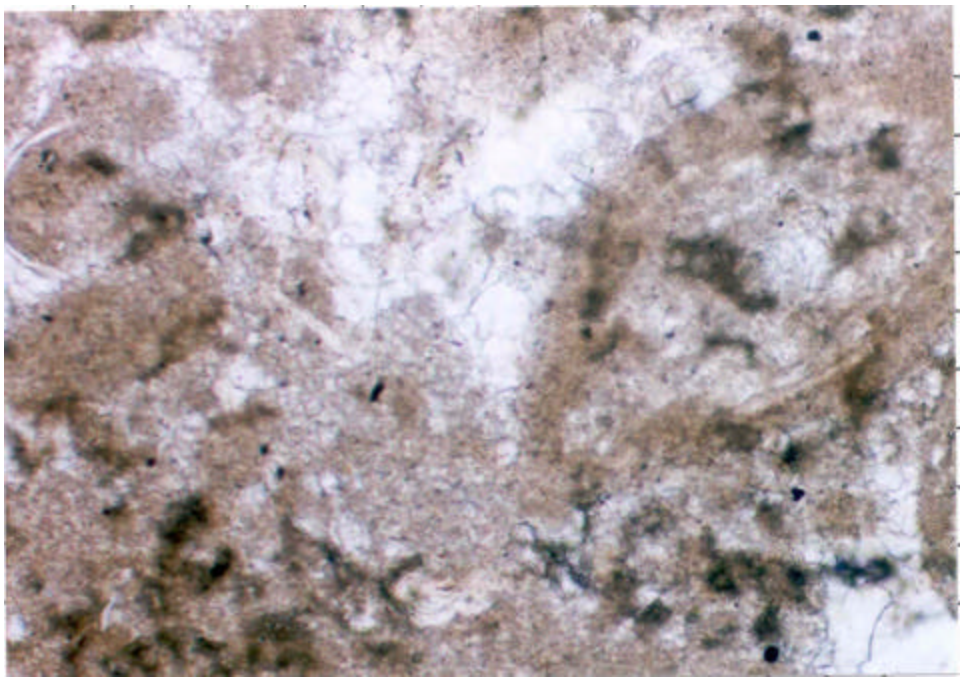
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: S-1-163

PLATE 54

Dunham Rock Type:	**Lime Packstone/Grainstone**
Fabric & Matrix:	**Abundant micrite in packstone regions (such as to lower left)**
Cements/Replacement:	**Common calcite spar (Plate 54B; B-C9)**
Allochems/Grains:	**Ooids (Plate 54A; F10.5); algal-coated grains (Plate 54A; A0.5); undifferentiated micritic grains (Plate 54A; G-H11.5); pellets (Plate 54A; A10); crinoid plates (Plate 54A; A-B15.5)**
Porosity & Reservoir Quality:	**Reservoir quality is very poor; no porosity observed**
Porosity Types:	**None observed; microporosity is likely associated with common micritic grains and matrix**
Magnification:	**A: 40X B: 200X**





URS Corporation

File No.: G-20068

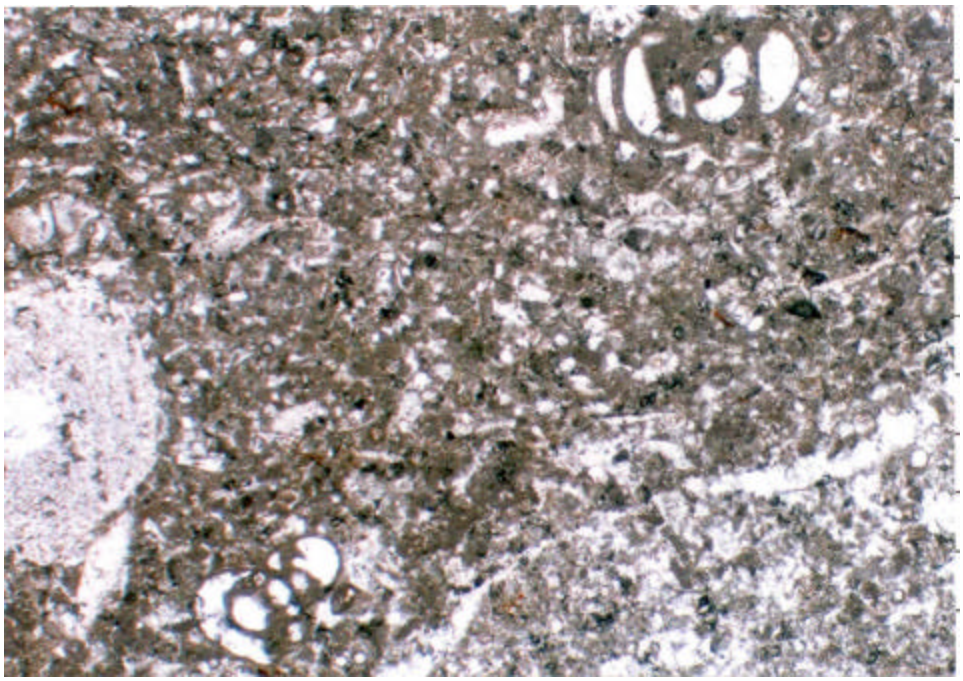
Sauget Area-2

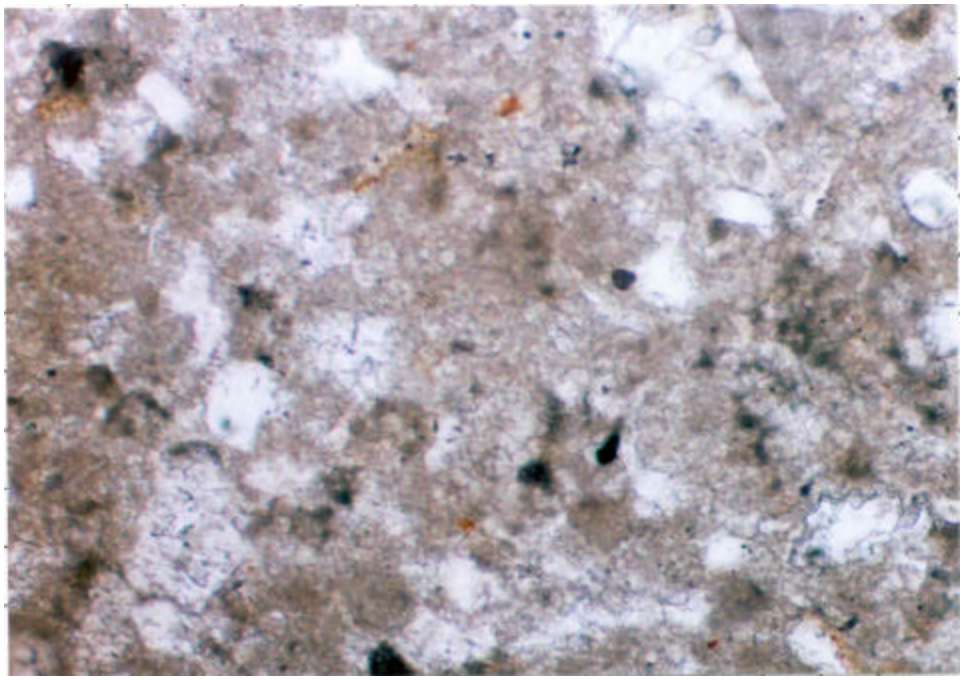
THIN SECTION DESCRIPTION - DETAILED

SAMPLE NUMBER: S-1-165

PLATE 55

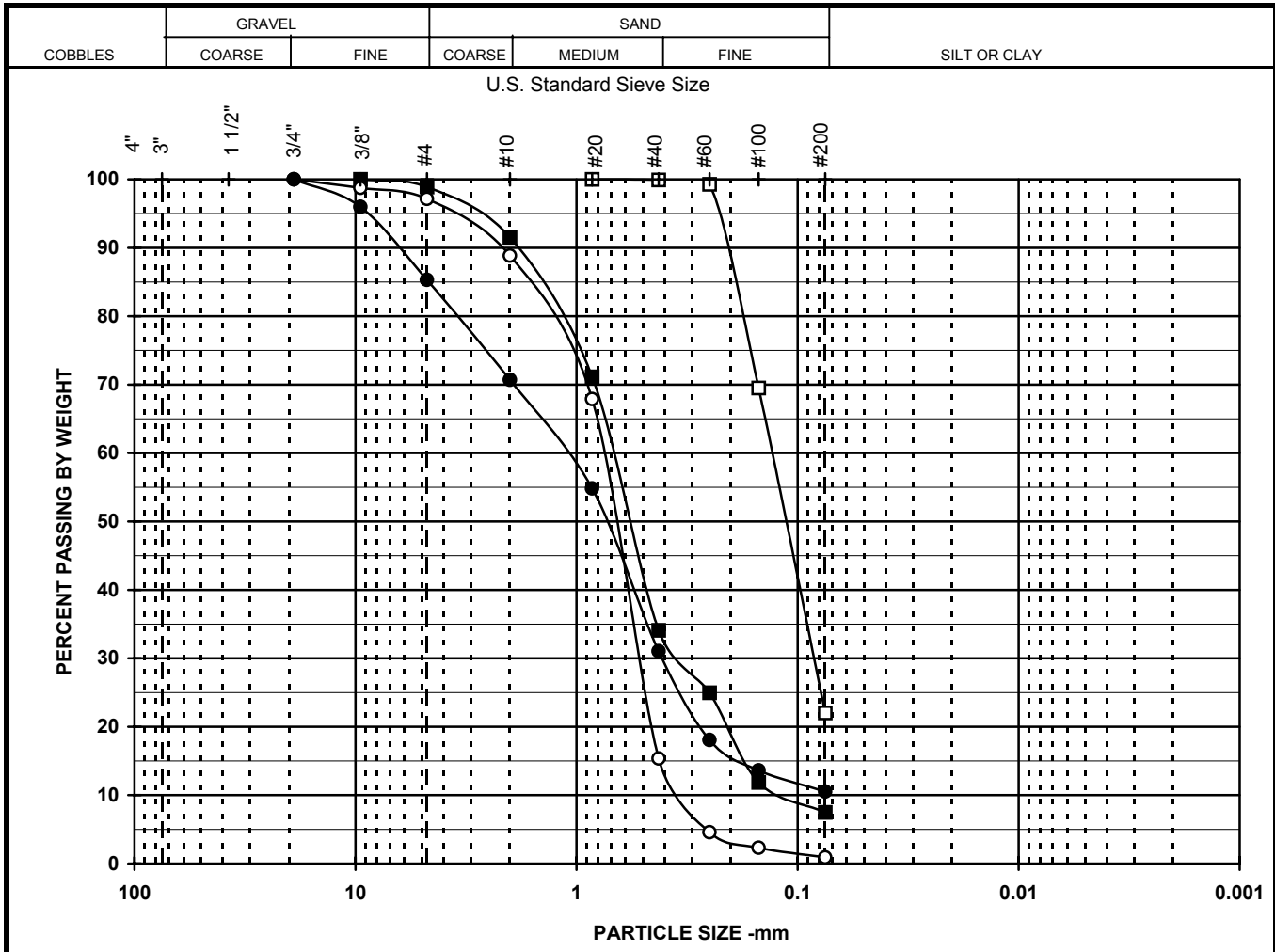
Dunham Rock Type:	**Lime Packstone (minor Grainstone)**
Fabric & Matrix:	**Abundant micrite matrix (brownish interparticle material), which has been locally recrystallized to microspar**
Cements/Replacement:	**Calcite spar only in "cleaner" regions; rare replacment pyrite (Plate 55B; G10.5)**
Allochems/Grains:	**Abundant pellets (Plate 55B; K5); scattered crinoid fragments (Plate 55A; F-G1); minor chambered forams (Plate 55A; A12,K4.5)**
Porosity & Reservoir Quality:	**Reservoir quality is very poor; there is no visible pore space nor micropores noted**
Porosity Types:	**Micropore space is likely associated with the micritic groundmass and common micritized grains**
Magnification:	**A: 40X B: 200X**





APPENDIX Q

GEOTECHNICAL LABORATORY RESULTS



SYMBOL	DESCRIPTION AND REMARKS
□	light brown f. SAND, some silt.
■	light gray c-f SAND, trace f. gravel, silt.
○	light gray c-f SAND, trace f. gravel.
●	dark brown c-f SAND, some f. gravel, trace silt.

Symbol	□	■	○	●
Boring	PZ-1	PZ-1	PZ-1	PZ-1
Sample	C	C	C	C
Spec				
Depth	23.75	78.85	118.8	123.85
% +3"				
% Gravel		1.1	2.9	14.7
% SAND	78.0	91.4	96.2	74.8
% FINES	22.0	7.5	0.9	10.5
% -2μ				
Cc		1.4	1.1	2.2
Cu		6.1	2.3	19.7
LL				
PL				
PI				
USCS	SM	SW-SM	SP	SW-SM
w (%)	21.2	8.4	9.3	7.3

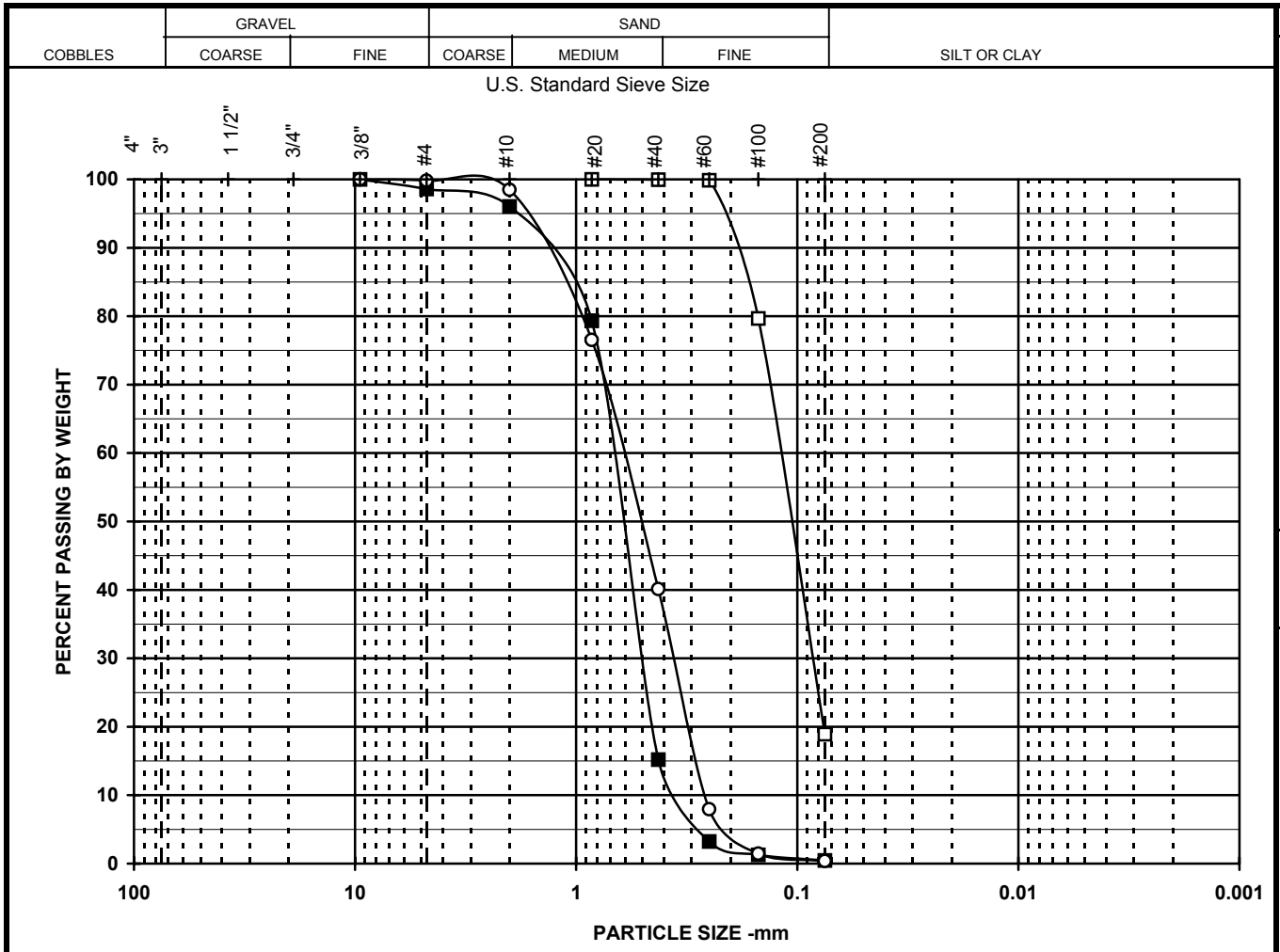
Particle Size	PERCENT FINER			
(Sieve #)	□	■	○	●
4"				
3"				
1 1/2"				
3/4"			100.0	100.0
3/8"		100.0	98.7	96.0
4		98.9	97.1	85.3
10		91.5	88.8	70.7
20	100.0	71.1	67.9	54.8
40	99.9	34.1	15.4	31.0
60	99.3	25.0	4.6	18.1
100	69.5	11.9	2.3	13.6
200	22.0	7.5	0.9	10.5

PARTICLE SIZE DISTRIBUTION

Sauget Area 2

Project No.		
21560888	October 2003	Figure

URS Corporation



SYMBOL	DESCRIPTION AND REMARKS
□	light brown f. SAND, some silt.
■	light gray m-f SAND, trace f. gravel, c. sand.
○	light gray m-f SAND, trace c. sand.

Symbol	□	■	○
Boring	PZ-2	PZ-2	PZ-2
Sample	C	C	C
Spec			
Depth	20.8	83.25	119.5
% +3"			
% Gravel		1.4	0.2
% SAND	81.1	98.1	99.4
% FINES	18.9	0.5	0.4
% -2μ			
Cc		1.1	0.8
Cu		2.1	2.5
LL			
PL			
PI			
USCS	SM	SP	SP
w (%)	8.9	6.5	14.5

Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"			
3/4"			
3/8"		100.0	100.0
4		98.6	99.8
10		96.0	98.5
20	100.0	79.3	76.5
40	99.9	15.2	40.1
60	99.9	3.2	7.9
100	79.7	1.3	1.4
200	18.9	0.5	0.4

PARTICLE SIZE DISTRIBUTION

Sauget Area 2

Project No.		Figure
21560888	October 2003	

URS Corporation

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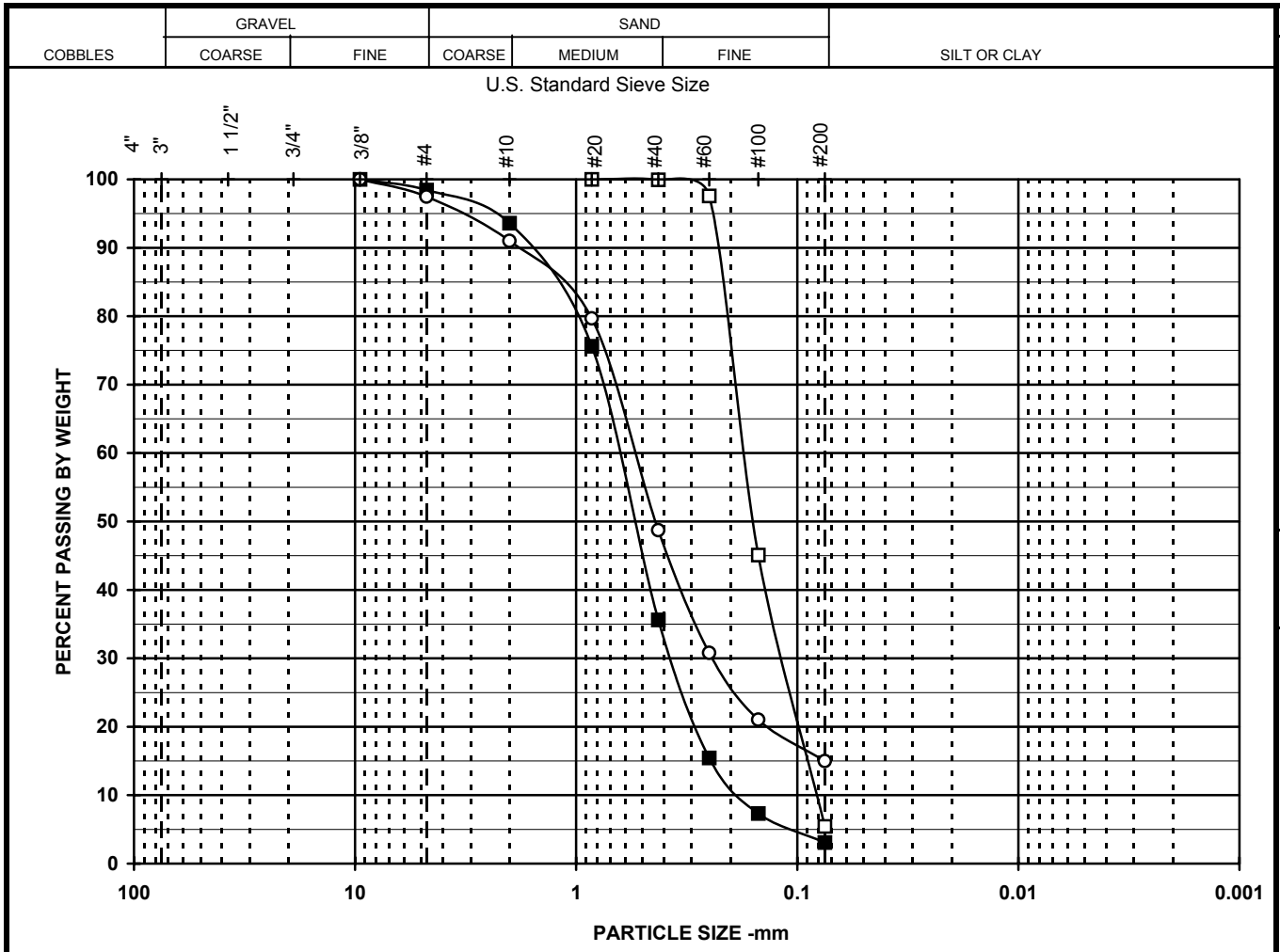

SYMBOL	DESCRIPTION AND REMARKS
□	light brown f. SAND, trace silt.
■	light gray m-f SAND, trace f. gravel, c. sand, silt.
○	light gray c-f SAND, some silty, trace f. gravel.

Symbol	□	■	○
Boring	PZ-3	PZ-3	PZ-3
Sample	C	C	C
Spec			
Depth	33.7	68.75	113.75
% +3"			
% Gravel		1.6	2.5
% SAND	94.6	95.3	82.5
% FINES	5.4	3.1	15.0
% -2μ			
Cc	1.0	1.1	
Cu	2.1	3.7	
LL			
PL			
PI			
USCS	SP-SM	SP	SM
w (%)	21.8	11.0	9.5

Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"			
3/4"			
3/8"		100.0	100.0
4		98.4	97.5
10		93.6	91.0
20	100.0	75.6	79.7
40	99.9	35.6	48.7
60	97.6	15.4	30.8
100	45.1	7.3	21.0
200	5.4	3.1	15.0

PARTICLE SIZE DISTRIBUTION

Sauget Area 2

Project No.		Figure
21560888	October 2003	

URS Corporation

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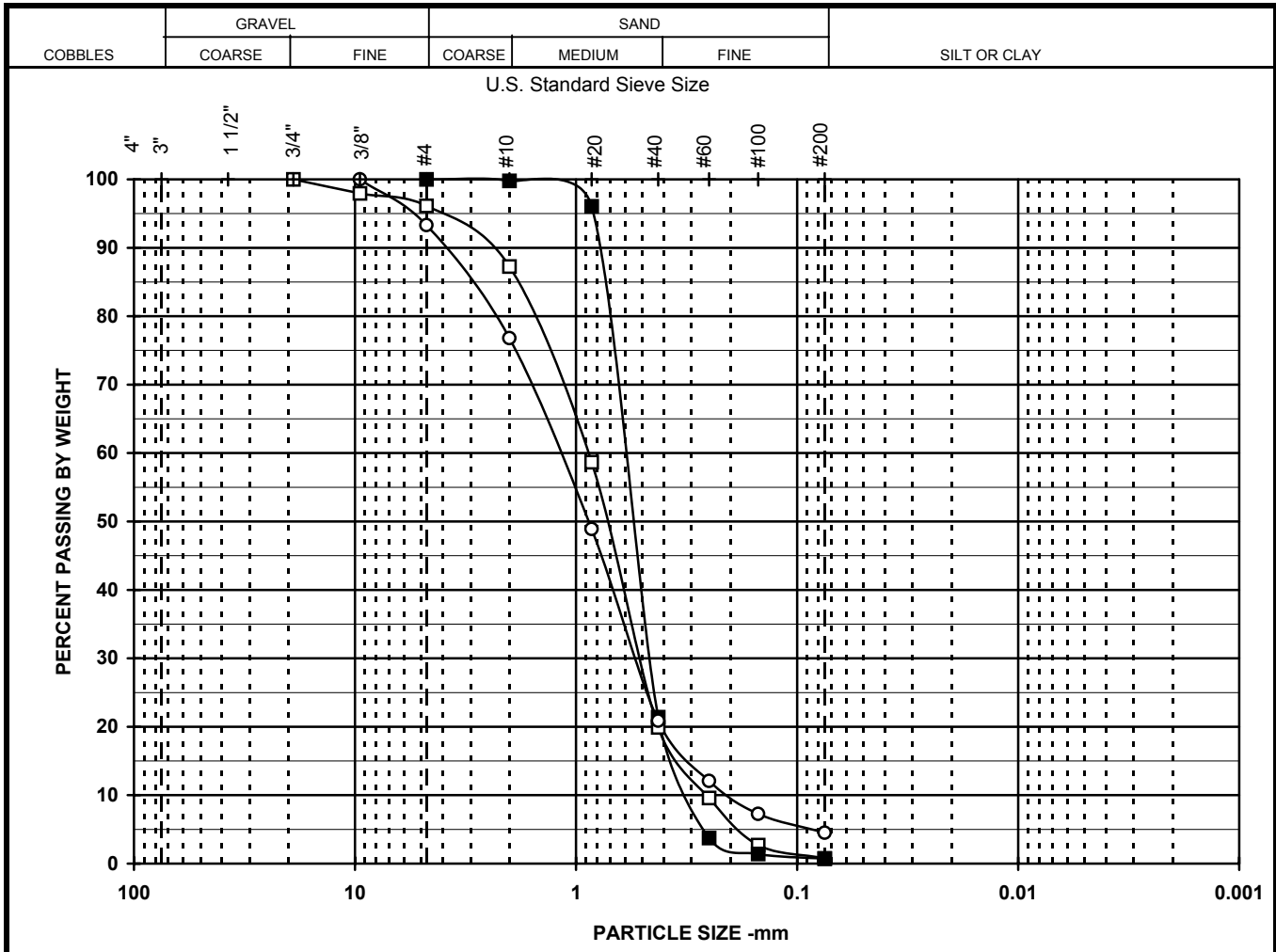


SYMBOL	DESCRIPTION AND REMARKS
□	gray c-f SAND, trace f. gravel.
■	light gray m-f SAND.
○	light gray c-f SAND, trace f. gravel, silt.

Symbol	□	■	○
Boring	PZ-4	PZ-4	PZ-4
Sample	C	C	C
Spec			
Depth	48.31	85.75	127.2
% +3"			
% Gravel	3.9		6.7
% SAND	95.3	99.3	88.8
% FINES	0.8	0.7	4.5
% -2μ			
Cc	1.2	1.1	1.2
Cu	3.5	2.1	6.3
LL			
PL			
PI			
USCS	SP	SP	SW
w (%)	8.0	11.5	7.6

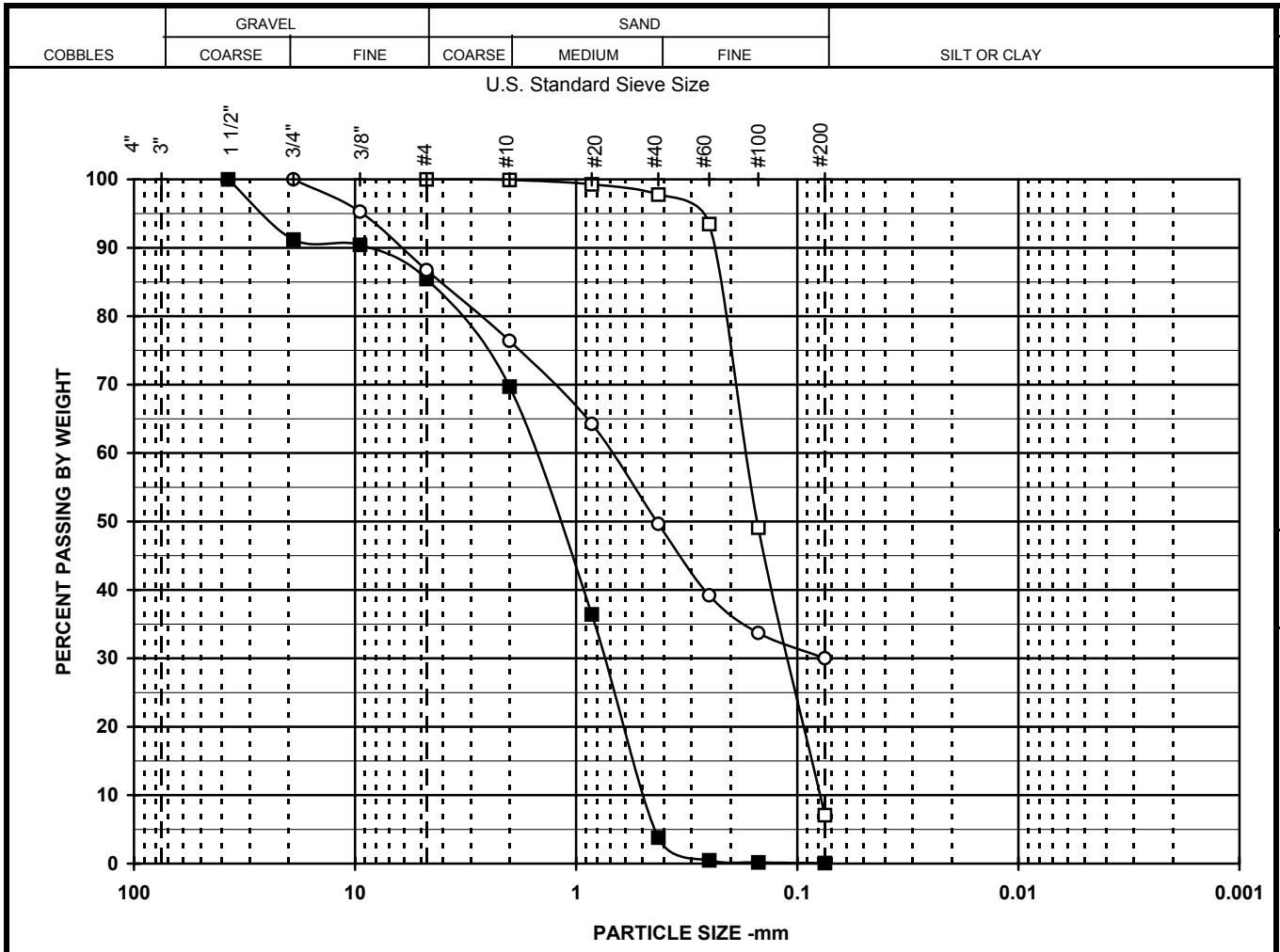
Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"			
3/4"	100.0		
3/8"	98.0		100.0
4	96.1	100.0	93.3
10	87.3	99.8	76.8
20	58.7	96.1	48.9
40	19.9	21.4	20.9
60	9.6	3.7	12.1
100	2.7	1.4	7.3
200	0.8	0.7	4.5

PARTICLE SIZE DISTRIBUTION

Sauget Area 2

Project No.		
21560888	October 2003	Figure

URS Corporation



SYMBOL	DESCRIPTION AND REMARKS
□	brown f. SAND, trace m. sand, silt.
■	light gray c-m SAND, some gravel, trace f. sand.
○	light gray silty clayey c-f SAND, some f. gravel.

Symbol	□	■	○
Boring	PIEZ-5	PIEZ-5	PIEZ-5
Sample	C	C	C
Spec			
Depth	27.5	78.8	116.8
% +3"			
% Gravel		14.6	13.3
% SAND	92.9	85.3	56.7
% FINES	7.1	0.1	30.0
% -2μ			
Cc	1.0	0.7	
Cu	2.2	3.3	
LL			
PL			
PI			
USCS	SP-SM	SP	SC
w (%)	23.1	4.7	9.3

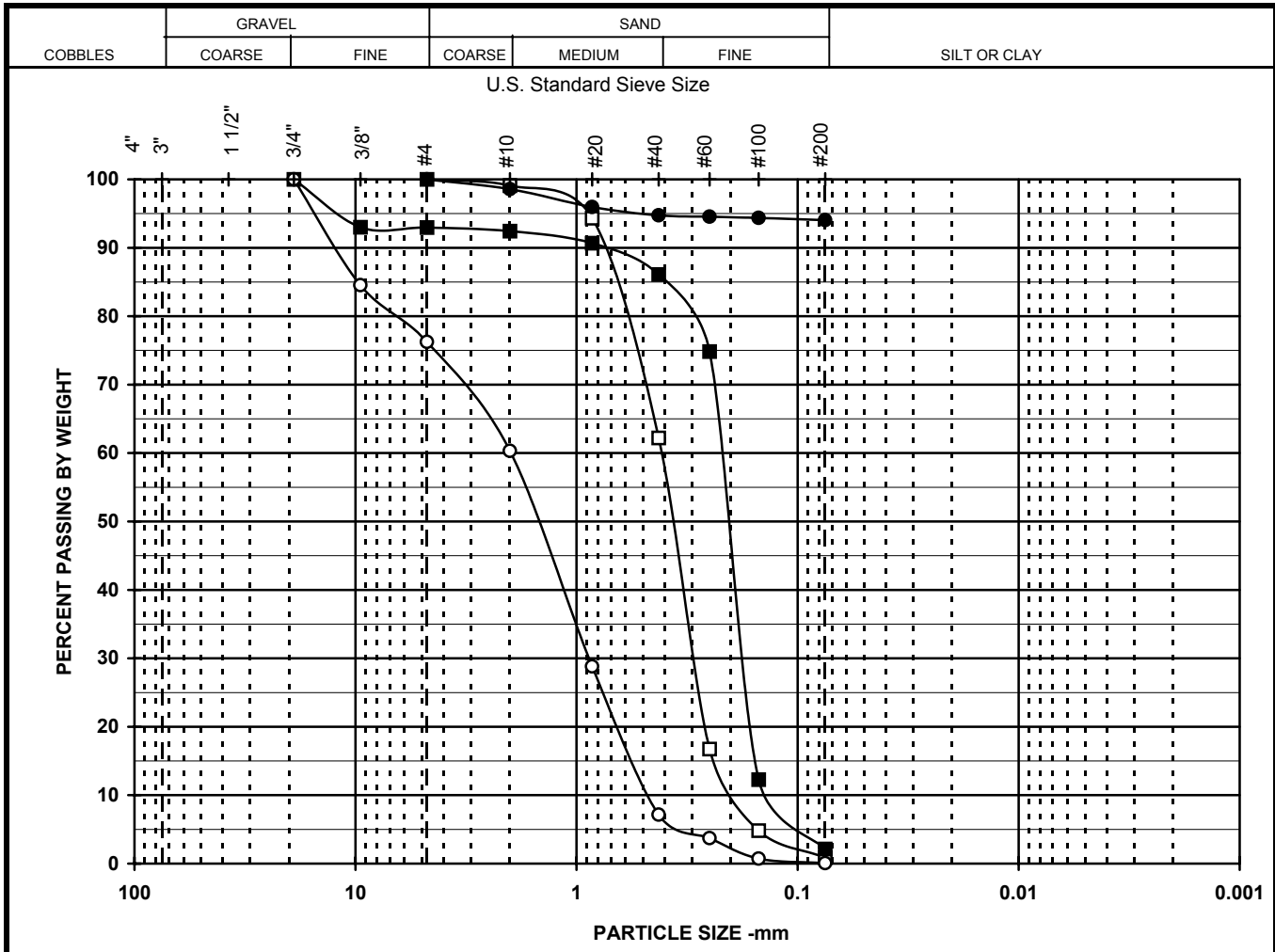
Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"		100.0	
3/4"		91.2	100.0
3/8"		90.4	95.3
4	100.0	85.4	86.7
10	99.9	69.7	76.4
20	99.3	36.4	64.3
40	97.8	3.8	49.6
60	93.5	0.5	39.2
100	49.1	0.2	33.7
200	7.1	0.1	30.0

PARTICLE SIZE DISTRIBUTION

Sauget Area 2

Project No.		
21560888	October 2003	Figure

URS Corporation



SYMBOL	DESCRIPTION AND REMARKS
□	brown m-f SAND.
■	gray f. SAND, trace f. gravel, c-m sand, silt.
○	light gray c-f SAND, some f. gravel.
●	light gray CLAY, trace c-f sand.

Symbol	□	■	○	●
Boring	PIEZ-6	PIEZ-6	PIEZ-6	PIEZ-6
Sample	C	C	C	B
Spec				
Depth	29.8	69.75	89.8	104.8
% +3"				
% Gravel		7.0	23.8	
% SAND	99.1	90.9	76.1	6.0
% FINES	0.9	2.1	0.1	94.0
% -2μ				
Cc	1.1	1.1	0.8	
Cu	2.2	1.7	4.1	
LL				
PL				
PI				
USCS	SP	SP	SP	CL
w (%)	15.8	21.2	4.2	37.7

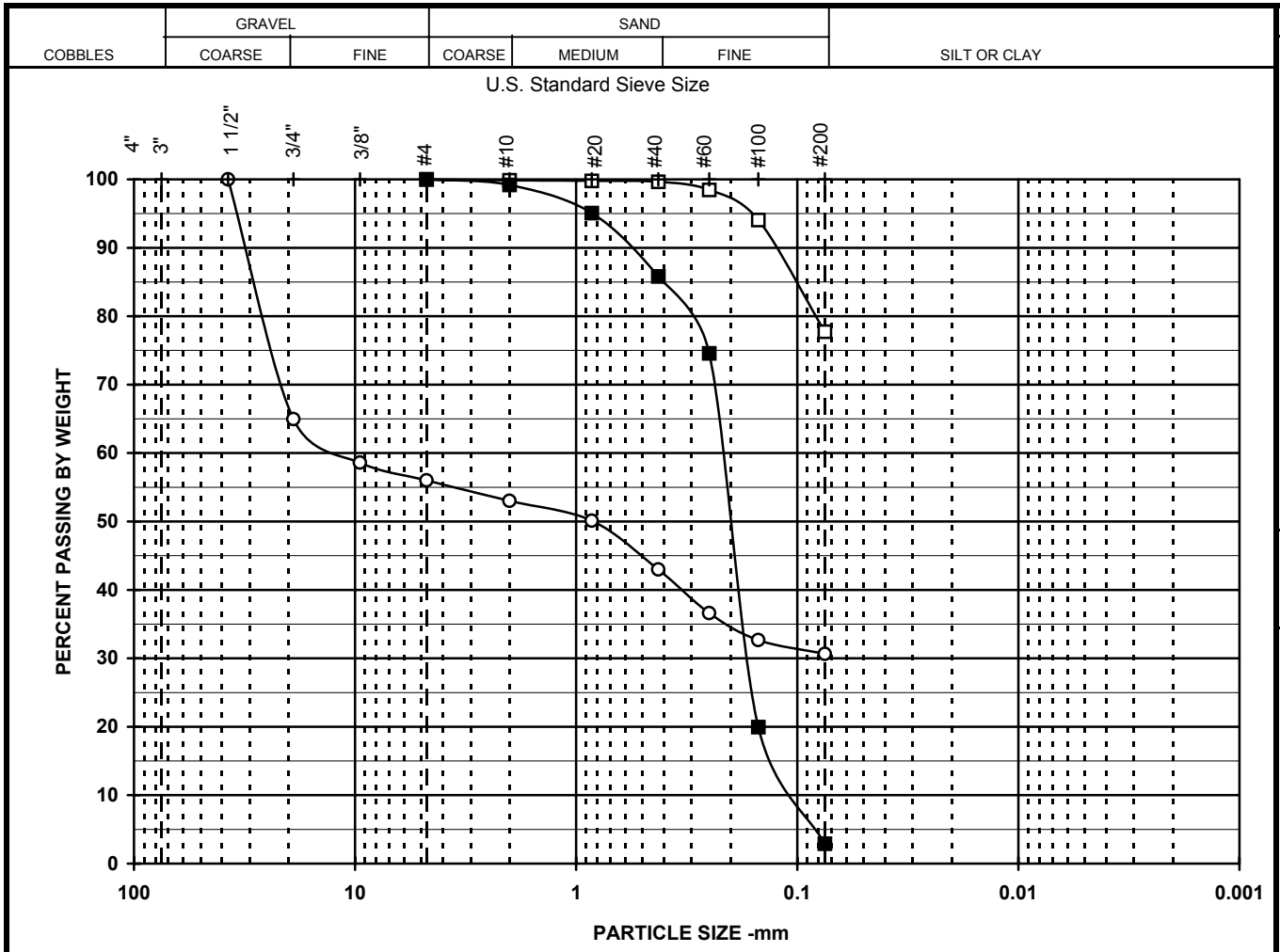
Particle Size	PERCENT FINER			
(Sieve #)	□	■	○	●
4"				
3"				
1 1/2"				
3/4"		100.0	100.0	
3/8"		93.0	84.5	
4	100.0	93.0	76.2	100.0
10	99.1	92.4	60.3	98.6
20	94.3	90.7	28.8	95.9
40	62.2	86.1	7.2	94.7
60	16.7	74.8	3.7	94.5
100	4.8	12.3	0.7	94.4
200	0.9	2.1	0.1	94.0

PARTICLE SIZE DISTRIBUTION

Sauget Area 2

Project No.		Figure
21560888	October 2003	

URS Corporation



SYMBOL	DESCRIPTION AND REMARKS
□	black SILT, some f. sand.
■	gray m-f SAND, trace silt.
○	gray silty clayey GRAVEL, some c-f sand.

Symbol	□	■	○
Boring	PZ-7	PZ-7	PZ-7
Sample	C	C	C
Spec			
Depth	23.45	68.8	108.65
% +3"			
% Gravel			44.0
% SAND	22.3	97.1	25.4
% FINES	77.7	2.9	30.6
% -2μ			
Cc		1.2	
Cu		2.1	
LL			
PL			
PI			
USCS	ML	SP	GC
w (%)	30.7	18.0	10.4

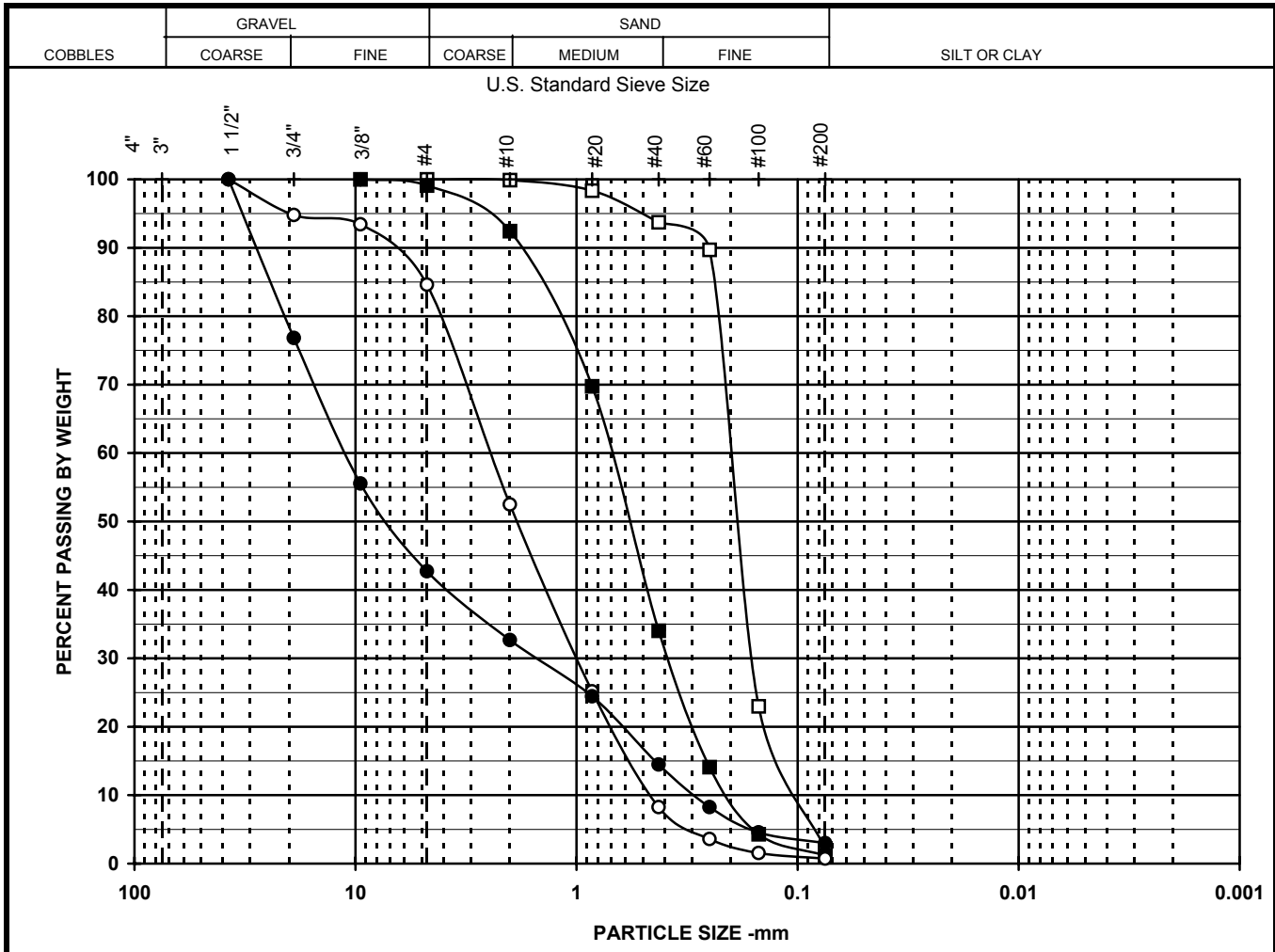
Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"			100.0
3/4"			65.0
3/8"			58.6
4	100.0	100.0	56.0
10	99.9	99.2	53.0
20	99.8	95.1	50.1
40	99.7	85.8	43.0
60	98.5	74.6	36.6
100	94.1	19.9	32.7
200	77.7	2.9	30.6

PARTICLE SIZE DISTRIBUTION

Sauget Area 2

Project No.		
21560888	October 2003	Figure

URS Corporation



SYMBOL	DESCRIPTION AND REMARKS
□	gray f. SAND, trace m. sand, silt.
■	gray m-f SAND, trace c. sand, silt.
○	light gray c-f SAND, some gravel.
●	light gray c-f sandy GRAVEL, trace silt.

Symbol	□	■	○	●
Boring	PZ-8	PZ-8	PZ-8	PZ-8
Sample	B	C	C	C
Spec				
Depth	25.8	66.25	73.9	103.8
% +3"				
% Gravel		0.9	15.4	57.3
% SAND	97.8	97.9	83.9	39.7
% FINES	2.2	1.2	0.7	3.0
% -2μ				
Cc	1.2	1.0	0.9	0.8
Cu	2.0	3.5	5.6	38.4
LL				
PL				
PI				
USCS	SP	SP	SP	GP
w (%)	20.3	10.2	5.2	6.5

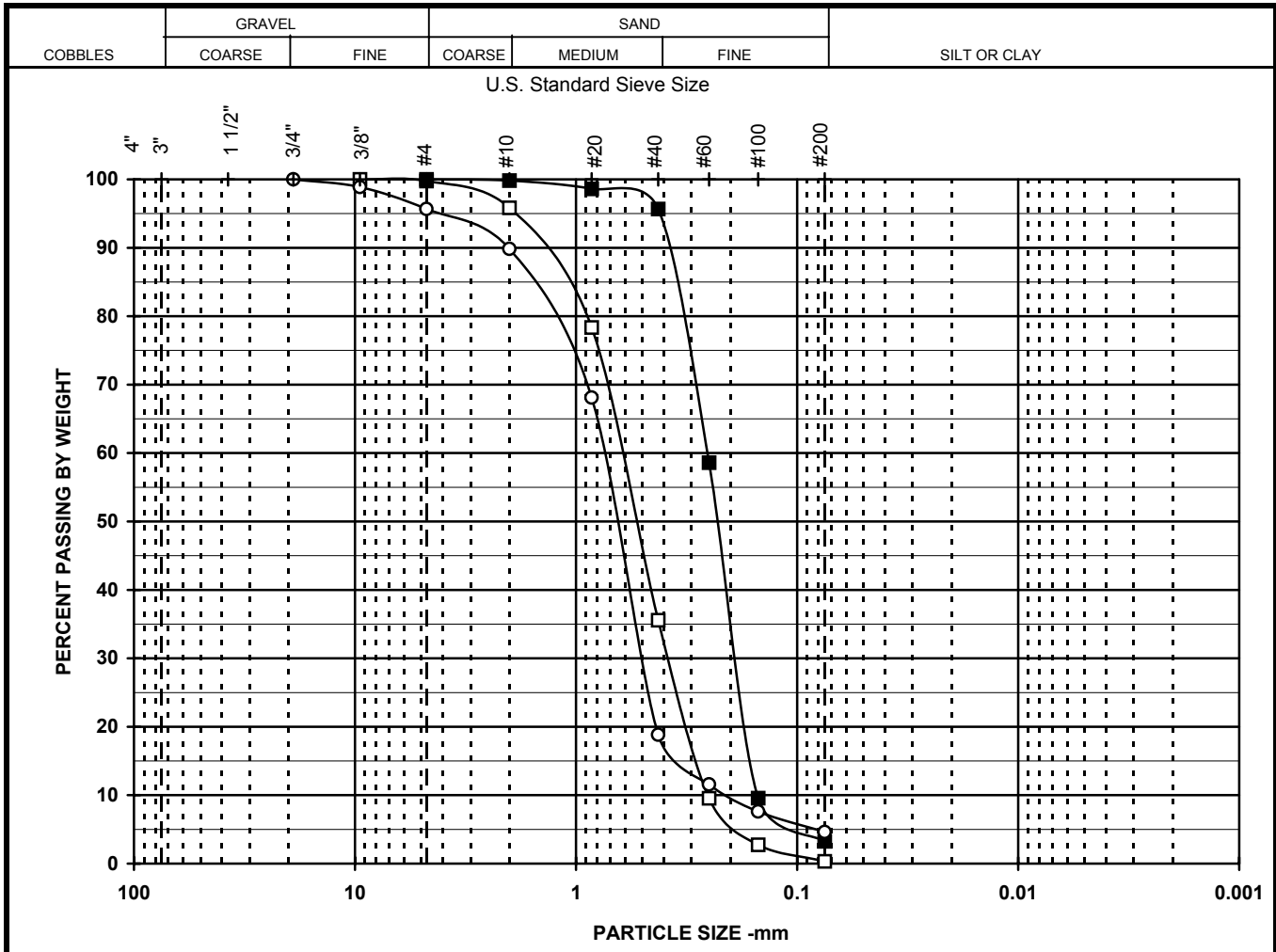
Particle Size	PERCENT FINER			
(Sieve #)	□	■	○	●
4"				
3"				
1 1/2"			100.0	100.0
3/4"			94.8	76.8
3/8"		100.0	93.4	55.5
4	100.0	99.1	84.6	42.7
10	99.9	92.4	52.5	32.7
20	98.3	69.8	25.2	24.4
40	93.7	34.0	8.2	14.5
60	89.7	14.1	3.6	8.2
100	23.0	4.3	1.5	4.6
200	2.2	1.2	0.7	3.0

PARTICLE SIZE DISTRIBUTION

Sauget Area 2

Project No.		
21560888	October 2003	Figure

URS Corporation



SYMBOL	DESCRIPTION AND REMARKS
□	light gray m-f SAND, trace c. sand.
■	light gray f. SAND, trace m. sand, silt.
○	light brown c-f SAND, trace f. gravel, silt.

Symbol	□	■	○
Boring	PZ-9	PZ-9	PZ-9
Sample	C	C	C
Spec			
Depth	23.85	73.8	103.8
% +3"			
% Gravel	0.2		4.3
% SAND	99.5	96.7	91.1
% FINES	0.3	3.3	4.6
% -2μ			
Cc	0.9	0.9	1.7
Cu	2.6	1.7	3.7
LL			
PL			
PI			
USCS	SP	SP	SP
w (%)	10.6	15.7	10.1

Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"			
3/4"			100.0
3/8"	100.0		98.9
4	99.8	100.0	95.7
10	95.8	99.8	89.8
20	78.4	98.6	68.1
40	35.6	95.7	18.8
60	9.6	58.6	11.6
100	2.8	9.6	7.6
200	0.3	3.3	4.6

PARTICLE SIZE DISTRIBUTION

Sauget Area 2

Project No.		
21560888	October 2003	Figure

URS Corporation

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APPENDIX R

CITY ORDINANCES

ORDINANCE NO. 99-5

AN ORDINANCE PROHIBITING THE USE OF GROUNDWATER AS A POTABLE WATER SUPPLY BY THE INSTALLATION OR USE OF POTABLE WATER SUPPLY WELLS OR BY ANY OTHER METHOD

WHEREAS, certain properties in the Village of Sauget, Illinois, have been used over a period of time for commercial/industrial purposes; and

WHEREAS, because of said use, concentrations of certain chemical constituents in the groundwater beneath the Village may exceed Class I groundwater quality standards for potable resource groundwater, as set forth in 35 Illinois Administrative Code Part 620, or Tier 1 residential remediation objectives, as set forth in 35 Ill. Adm. Code Part 742; and

WHEREAS, the Village of Sauget desires to limit potential threats to human health from groundwater contamination while facilitating the redevelopment and productive use of properties that are the source of said chemical constituents;

NOW, THEREFORE, BE IT ORDAINED BY THE VILLAGE COUNCIL IN THE VILLAGE OF SAUGET, ILLINOIS:

Section One: Use of groundwater as a potable water supply prohibited.

The use or attempted use of groundwater from within the corporate limits of the Village as a potable water supply by the installation or drilling of wells or by any other method is hereby prohibited.

Section Two: Penalties

Any person violating the provisions of this ordinance shall be subject to a fine of up to $ 100.00 for each violation.

Section Three: Definitions.

"Person" is any individual, partnership, co-partnership, firm, company, limited liability company, corporation, association, joint stock company, trust, estate, political subdivision, or any other legal entity, or their representatives, agents or assigns.

"Potable water" is any water used for human or domestic consumption, including, but not limited to, water used for drinking, bathing, swimming, washing dishes, or preparing foods.

Section Four: Repealer.

All ordinances or parts of ordinances in conflict with this ordinance are hereby repealed insofar as they are in conflict with this ordinance.

Section Five: Severablity.

If any provision of this ordinance or its application to any person or under any circumstances is adjudged invalid, such adjudication shall not affect the validity of the ordinance as a whole or of any portion not adjudged invalid.

Section Six: Effective Date.

This ordinance shall be in full force and effect from and after its passage, approval and publication, as required by law.

INTRODUCED AND READ FOR THE FIRST TIME: October 12, 1999

READ FOR THE SECOND TIME:
(under suspension of rules): October 12, 1999

READ FOR THE THIRD TIME:
(under suspension of rules): October 12, 1999

ADOPTED AND ENACTED: October 12, 1999

ROLL CALL VOTE:
Ayes: Adels, McDaniel, Rich, Cates, Thornton, Sergel
Nays: NONE
Absent: NONE
Unfilled Vacancy:

APPROVED: October 12, 1999

APPROVED:

Paul Sergel
President (mayor) Pro Temore

ATTEST:

Betty Long Wilson
Village Clerk

ORDINACE No. 981

AN ORDINANCE PROHIBITING THE USE OF GROUNDWATER AS A POTABLE WATER SUPPLY BY THE INSTALLATION OR USE OF POTABLE WATER SUPPLY WELLS OR BY ANY OTHER METHOD

WHEREAS, certain properties in the Village of Cahokia, Illinois, have been used over a period of time for commercial/industrial uses; and

WHEREAS, because of said use, concentrations of certain chemical constituents in the groundwater beneath the Village may exceed Class I groundwater quality standards for potable resource groundwater, as set forth in 35 Administrative Code Part 620, or Tier 1 residential remediation objectives, as set forth in 35 Ill. Admin. Code Part 742; and

WHEREAS, the Village of Cahokia desires to limit potential threats to human health from groundwater contamination while facilitating the redevelopment and productive use of properties that are the source of said chemical constituents;

NOW, THEREFORE, BE IT ORDAINED BY THE VILLAGE BOARD IN THE VILLAGE OF CAHOKIA, ILLINOIS:

Section One: Use of groundwater as a potable water supply prohibited.

The use or attempted use of groundwater from within the corporate limits of the Village as a potable water supply by the installation or drilling of wells or by any other method is hereby prohibited.

Section Two: Penalties.

Any person violating the provisions of this ordinance shall be subject to a fine of up to $1,000.00 for each violation.

Section Three: Definitions.

"Person" is any individual, partnership, co-partnership, firm, company, limited liability company, corporation, association, joint stock company, trust, estate, political subdivision, or any other legal entity, or their representatives, agents or assigns.

"Potable water" is any water used for human or domestic consumption, including, but not limited to, water used for drinking, bathing, swimming, washing dishes, garden or lawn watering, or preparing foods..

Section Four: Repealer.

All ordinances or parts of ordinances in conflict with this ordinance are hereby repealed insofar as they are in conflict with this ordinance.

Section Five: Severability.

If any provision of this ordinance or its application to any person or under any circumstances is adjudged invalid, such adjudication shall not affect the validity of the ordinance as a whole or of any portion not adjudged invalid.

Section six: Effective Date.

This ordinance shall be in full force and effect from and after its passage, approval and publication, as required by law.

ADOPTED: 6-06-2000
(Date)

Xavier Brown
(Village Clerk)

ADOPTED: 6-06-2000
(Date)

Michael King
(Mayor)

Officially published this 21st day of June, 2000.

STATE OF ILLINOIS)
)
COUNTY OF ST. CLAIR) SS
)
VILLAGE OF CAHOKIA)

CERTIFICATE OF VILLAGE CLERK

I, Jessie Brown, Clerk of the Village of Cahokia, St. Clair County, Illinois, do hereby certify that as such Village Clerk of the Village of Cahokia, Illinois, I am legal custodian and keeper of the journal of the proceedings of the Village of Cahokia Board of Trustees of said Village, and I do certify that the attached documents are true and faithful copies of said documents. I do further certify that the original of said documents are now remaining on file and of record in my said office.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Village of Cahokia, Illinois, the 6 day of June, A.D. ~~19~~ 2000.

Jessie Brown

Jessie Brown, Village Clerk
Village of Cahokia, Illinois

(SEAL)

APPENDIX S

LABORATORY ANALYTICAL RESULTS

Analytical Results (Air)
Sauget Area 2 - Remedial Investigation Report (2008)

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
SITE P							
AIR-P-1	8/24/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.276	U	U
AIR-P-1	8/24/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	1.08	U	U
AIR-P-1	8/24/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.373	U	U
AIR-P-1	8/24/2002	VOCs	1,1-Dichloroethane	ug/m3	0.196	U	U
AIR-P-1	8/24/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.125	U	U
AIR-P-1	8/24/2002	VOCs	1,2-Dichloroethane	ug/m3	0.26	U	U
AIR-P-1	8/24/2002	VOCs	1,2-Dichloropropane	ug/m3	0.319	U	U
AIR-P-1	8/24/2002	VOCs	2-Butanone (MEK)	ug/m3	1.7	J	J
AIR-P-1	8/24/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.356	U	U
AIR-P-1	8/24/2002	VOCs	Acetone	ug/m3	12.4	JB	J
AIR-P-1	8/24/2002	VOCs	Benzene	ug/m3	0.546	J	J
AIR-P-1	8/24/2002	VOCs	Bromodichloromethane	ug/m3	0.31	U	U
AIR-P-1	8/24/2002	VOCs	Bromoform	ug/m3	0.333	U	U
AIR-P-1	8/24/2002	VOCs	Bromomethane	ug/m3	0.404	U	U
AIR-P-1	8/24/2002	VOCs	Carbon Tetrachloride	ug/m3	1.61	U	U
AIR-P-1	8/24/2002	VOCs	Chlorobenzene	ug/m3	0.21	U	U
AIR-P-1	8/24/2002	VOCs	Chlorodibromomethane	ug/m3	0.374	U	U
AIR-P-1	8/24/2002	VOCs	Chloroethane	ug/m3	0.127	U	U
AIR-P-1	8/24/2002	VOCs	Chloroform	ug/m3	0.423	U	U
AIR-P-1	8/24/2002	VOCs	Chloromethane	ug/m3	1.2	J	J
AIR-P-1	8/24/2002	VOCs	Dichloromethane	ug/m3	1.78	J	J
AIR-P-1	8/24/2002	VOCs	Ethylbenzene	ug/m3	0.25	J	J
AIR-P-1	8/24/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.153	U	U
AIR-P-1	8/24/2002	VOCs	p-Xylene/m-Xylene	ug/m3	0.725	U	U
AIR-P-1	8/24/2002	VOCs	Tetrachloroethene	ug/m3	0.895	U	U
AIR-P-1	8/24/2002	VOCs	Toluene	ug/m3	1.98	JB	J
AIR-P-1	8/24/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.423	U	U
AIR-P-1	8/24/2002	VOCs	Trichloroethene	ug/m3	0.731	U	U
AIR-P-1	8/24/2002	VOCs	Vinyl chloride	ug/m3	0.124	U	U
AIR-P-2	8/24/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.14	J	J
AIR-P-2	8/24/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.514	U	U
AIR-P-2	8/24/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.177	U	U
AIR-P-2	8/24/2002	VOCs	1,1-Dichloroethane	ug/m3	0.093	U	U
AIR-P-2	8/24/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.059	U	U
AIR-P-2	8/24/2002	VOCs	1,2-Dichloroethane	ug/m3	0.123	U	U
AIR-P-2	8/24/2002	VOCs	1,2-Dichloropropane	ug/m3	0.152	U	U
AIR-P-2	8/24/2002	VOCs	2-Butanone (MEK)	ug/m3	1.41	J	J
AIR-P-2	8/24/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.169	U	U
AIR-P-2	8/24/2002	VOCs	Acetone	ug/m3	10.1	JB	J

Analytical Results (Air)
Sauget Area 2 - Remedial Investigation Report (2007)

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-2	8/24/2002	VOCs	Benzene	ug/m3	0.422	J	J
AIR-P-2	8/24/2002	VOCs	Bromodichloromethane	ug/m3	0.147	U	U
AIR-P-2	8/24/2002	VOCs	Bromoform	ug/m3	0.158	U	U
AIR-P-2	8/24/2002	VOCs	Bromomethane	ug/m3	0.193	U	U
AIR-P-2	8/24/2002	VOCs	Carbon Tetrachloride	ug/m3	0.761	U	U
AIR-P-2	8/24/2002	VOCs	Chlorobenzene	ug/m3	0.0985	UB	U
AIR-P-2	8/24/2002	VOCs	Chlorodibromomethane	ug/m3	0.177	U	U
AIR-P-2	8/24/2002	VOCs	Chloroethane	ug/m3	0.0604	U	U
AIR-P-2	8/24/2002	VOCs	Chloroform	ug/m3	0.265	J	J
AIR-P-2	8/24/2002	VOCs	Chloromethane	ug/m3	0.948	J	J
AIR-P-2	8/24/2002	VOCs	Dichloromethane	ug/m3	0.213	J	J
AIR-P-2	8/24/2002	VOCs	Ethylbenzene	ug/m3	0.186	J	J
AIR-P-2	8/24/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.0728	U	U
AIR-P-2	8/24/2002	VOCs	p-Xylene/m-Xylene	ug/m3	0.504	J	J
AIR-P-2	8/24/2002	VOCs	Tetrachloroethene	ug/m3	0.425	U	U
AIR-P-2	8/24/2002	VOCs	Toluene	ug/m3	1.84	JB	J
AIR-P-2	8/24/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.201	U	U
AIR-P-2	8/24/2002	VOCs	Trichloroethene	ug/m3	0.347	U	U
AIR-P-2	8/24/2002	VOCs	Vinyl chloride	ug/m3	0.059	U	U
AIR-P-3	8/24/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.244	U	U
AIR-P-3	8/24/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.954	U	U
AIR-P-3	8/24/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.331	U	U
AIR-P-3	8/24/2002	VOCs	1,1-Dichloroethane	ug/m3	0.173	U	U
AIR-P-3	8/24/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.11	U	U
AIR-P-3	8/24/2002	VOCs	1,2-Dichloroethane	ug/m3	0.229	U	U
AIR-P-3	8/24/2002	VOCs	1,2-Dichloropropane	ug/m3	0.283	U	U
AIR-P-3	8/24/2002	VOCs	2-Butanone (MEK)	ug/m3	1.7	J	J
AIR-P-3	8/24/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.315	U	U
AIR-P-3	8/24/2002	VOCs	Acetone	ug/m3	13.7	JB	J
AIR-P-3	8/24/2002	VOCs	Benzene	ug/m3	0.489	J	J
AIR-P-3	8/24/2002	VOCs	Bromodichloromethane	ug/m3	0.274	U	U
AIR-P-3	8/24/2002	VOCs	Bromoform	ug/m3	0.295	U	U
AIR-P-3	8/24/2002	VOCs	Bromomethane	ug/m3	0.359	U	U
AIR-P-3	8/24/2002	VOCs	Carbon Tetrachloride	ug/m3	1.42	U	U
AIR-P-3	8/24/2002	VOCs	Chlorobenzene	ug/m3	0.184	UB	U
AIR-P-3	8/24/2002	VOCs	Chlorodibromomethane	ug/m3	0.331	U	U
AIR-P-3	8/24/2002	VOCs	Chloroethane	ug/m3	0.113	U	U
AIR-P-3	8/24/2002	VOCs	Chloroform	ug/m3	0.374	U	U
AIR-P-3	8/24/2002	VOCs	Chloromethane	ug/m3	0.954	J	J
AIR-P-3	8/24/2002	VOCs	Dichloromethane	ug/m3	0.577	J	J

Analytical Results (Air)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-3	8/24/2002	VOCs	Ethylbenzene	ug/m3	0.281	J	J
AIR-P-3	8/24/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.135	U	U
AIR-P-3	8/24/2002	VOCs	p-Xylene/m-Xylene	ug/m3	0.773	J	J
AIR-P-3	8/24/2002	VOCs	Tetrachloroethene	ug/m3	0.794	U	U
AIR-P-3	8/24/2002	VOCs	Toluene	ug/m3	2.34	JB	J
AIR-P-3	8/24/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.374	U	U
AIR-P-3	8/24/2002	VOCs	Trichloroethene	ug/m3	0.64	U	U
AIR-P-3	8/24/2002	VOCs	Vinyl chloride	ug/m3	0.11	U	U
AIR-P-4	8/24/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.154	U	U
AIR-P-4	8/24/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.607	U	U
AIR-P-4	8/24/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.21	U	U
AIR-P-4	8/24/2002	VOCs	1,1-Dichloroethane	ug/m3	0.11	U	U
AIR-P-4	8/24/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.0698	U	U
AIR-P-4	8/24/2002	VOCs	1,2-Dichloroethane	ug/m3	0.145	U	U
AIR-P-4	8/24/2002	VOCs	1,2-Dichloropropane	ug/m3	0.179	U	U
AIR-P-4	8/24/2002	VOCs	2-Butanone (MEK)	ug/m3	1.45	J	J
AIR-P-4	8/24/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.2	U	U
AIR-P-4	8/24/2002	VOCs	Acetone	ug/m3	12.6	JB	J
AIR-P-4	8/24/2002	VOCs	Benzene	ug/m3	0.377	J	J
AIR-P-4	8/24/2002	VOCs	Bromodichloromethane	ug/m3	0.174	U	U
AIR-P-4	8/24/2002	VOCs	Bromoform	ug/m3	0.19	U	U
AIR-P-4	8/24/2002	VOCs	Bromomethane	ug/m3	0.228	U	U
AIR-P-4	8/24/2002	VOCs	Carbon Tetrachloride	ug/m3	0.9	U	U
AIR-P-4	8/24/2002	VOCs	Chlorobenzene	ug/m3	0.116	U	U
AIR-P-4	8/24/2002	VOCs	Chlorodibromomethane	ug/m3	0.21	U	U
AIR-P-4	8/24/2002	VOCs	Chloroethane	ug/m3	0.071	U	U
AIR-P-4	8/24/2002	VOCs	Chloroform	ug/m3	0.315	J	J
AIR-P-4	8/24/2002	VOCs	Chloromethane	ug/m3	0.97	J	J
AIR-P-4	8/24/2002	VOCs	Dichloromethane	ug/m3	3.72	J	J
AIR-P-4	8/24/2002	VOCs	Ethylbenzene	ug/m3	0.161	J	J
AIR-P-4	8/24/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.0858	U	U
AIR-P-4	8/24/2002	VOCs	p-Xylene/m-Xylene	ug/m3	0.406	U	U
AIR-P-4	8/24/2002	VOCs	Tetrachloroethene	ug/m3	0.5	U	U
AIR-P-4	8/24/2002	VOCs	Toluene	ug/m3	1.56	JB	J
AIR-P-4	8/24/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.237	U	U
AIR-P-4	8/24/2002	VOCs	Trichloroethene	ug/m3	0.409	U	U
AIR-P-4	8/24/2002	VOCs	Vinyl chloride	ug/m3	0.0695	U	U
AIR-P-1	8/24/2002	SVOCs	Acenaphthene	ug/m3	0.024	J	J
AIR-P-1	8/24/2002	SVOCs	Acenaphthylene	ug/m3	0.029	U	UJ
AIR-P-1	8/24/2002	SVOCs	Anthracene	ug/m3	0.029	U	UJ

Analytical Results (Air)
Sauget Area 2 - Remedial Investigation Report (2007)

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-1	8/24/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.029	U	UJ
AIR-P-1	8/24/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.029	U	UJ
AIR-P-1	8/24/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.029	U	UJ
AIR-P-1	8/24/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.029	U	UJ
AIR-P-1	8/24/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.029	U	UJ
AIR-P-1	8/24/2002	SVOCs	Chrysene	ug/m3	0.029	U	UJ
AIR-P-1	8/24/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.029	U	UJ
AIR-P-1	8/24/2002	SVOCs	Fluoranthene	ug/m3	0.029	U	UJ
AIR-P-1	8/24/2002	SVOCs	Fluorene	ug/m3	0.017	J	J
AIR-P-1	8/24/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.029	U	UJ
AIR-P-1	8/24/2002	SVOCs	Naphthalene	ug/m3	0.047		J
AIR-P-1	8/24/2002	SVOCs	Phenanthrene	ug/m3	0.052		J
AIR-P-1	8/24/2002	SVOCs	Pyrene	ug/m3	0.029	U	UJ
AIR-P-2	8/24/2002	SVOCs	Acenaphthene	ug/m3	0.06		J
AIR-P-2	8/24/2002	SVOCs	Acenaphthylene	ug/m3	0.033	U	UJ
AIR-P-2	8/24/2002	SVOCs	Anthracene	ug/m3	0.033	U	UJ
AIR-P-2	8/24/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.033	U	UJ
AIR-P-2	8/24/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.033	U	UJ
AIR-P-2	8/24/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.033	U	UJ
AIR-P-2	8/24/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.033	U	UJ
AIR-P-2	8/24/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.033	U	UJ
AIR-P-2	8/24/2002	SVOCs	Chrysene	ug/m3	0.033	U	UJ
AIR-P-2	8/24/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.033	U	UJ
AIR-P-2	8/24/2002	SVOCs	Fluoranthene	ug/m3	0.025	J	J
AIR-P-2	8/24/2002	SVOCs	Fluorene	ug/m3	0.04		J
AIR-P-2	8/24/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.033	U	UJ
AIR-P-2	8/24/2002	SVOCs	Naphthalene	ug/m3	0.074		J
AIR-P-2	8/24/2002	SVOCs	Phenanthrene	ug/m3	0.12		J
AIR-P-2	8/24/2002	SVOCs	Pyrene	ug/m3	0.033	U	UJ
AIR-P-3	8/24/2002	SVOCs	Acenaphthene	ug/m3	0.019	J	J
AIR-P-3	8/24/2002	SVOCs	Fluoranthene	ug/m3	0.02	J	J
AIR-P-3	8/24/2002	SVOCs	Fluorene	ug/m3	0.019	J	J
AIR-P-3	8/24/2002	SVOCs	Naphthalene	ug/m3	0.033		J
AIR-P-3	8/24/2002	SVOCs	Phenanthrene	ug/m3	0.1		J
AIR-P-4	8/24/2002	SVOCs	Acenaphthene	ug/m3	0.029	J	J
AIR-P-4	8/24/2002	SVOCs	Acenaphthylene	ug/m3	0.033	U	UJ
AIR-P-4	8/24/2002	SVOCs	Anthracene	ug/m3	0.033	U	UJ
AIR-P-4	8/24/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.033	U	UJ
AIR-P-4	8/24/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.033	U	UJ
AIR-P-4	8/24/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.033	U	UJ

Analytical Results (Air)
Sauget Area 2 - Remedial Investigation Report (2007)

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-4	8/24/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.033	U	UJ
AIR-P-4	8/24/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.033	U	UJ
AIR-P-4	8/24/2002	SVOCs	Chrysene	ug/m3	0.033	U	UJ
AIR-P-4	8/24/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.033	U	UJ
AIR-P-4	8/24/2002	SVOCs	Fluoranthene	ug/m3	0.033	U	UJ
AIR-P-4	8/24/2002	SVOCs	Fluorene	ug/m3	0.02	J	J
AIR-P-4	8/24/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.033	U	UJ
AIR-P-4	8/24/2002	SVOCs	Naphthalene	ug/m3	0.047		J
AIR-P-4	8/24/2002	SVOCs	Phenanthrene	ug/m3	0.05		J
AIR-P-4	8/24/2002	SVOCs	Pyrene	ug/m3	0.033	U	UJ
AIR-P-1	9/10/1999	PCBs	Decachlorobiphenyl	ug/puff	5	UJ	
AIR-P-1	9/10/1999	PCBs	Dichlorobiphenyl	ug/puff	1	UJ	
AIR-P-1	9/10/1999	PCBs	Heptachlorobiphenyl	ug/puff	3	UJ	
AIR-P-1	9/10/1999	PCBs	Hexachlorobiphenyl	ug/puff	2	UJ	
AIR-P-1	9/10/1999	PCBs	Monochlorobiphenyl	ug/puff	1	UJ	
AIR-P-1	9/10/1999	PCBs	Nonachlorobiphenyl	ug/puff	5	UJ	
AIR-P-1	9/10/1999	PCBs	Octachlorobiphenyl	ug/puff	3	UJ	
AIR-P-1	9/10/1999	PCBs	Pentachlorobiphenyl	ug/puff	2	UJ	
AIR-P-1	9/10/1999	PCBs	Tetrachlorobiphenyl	ug/puff	2	UJ	
AIR-P-1	9/10/1999	PCBs	Trichlorobiphenyl	ug/puff	1	UJ	
AIR-P-1	8/24/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-P-1	8/24/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-P-1	8/24/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-P-1	8/24/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-1	8/24/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-P-1	8/24/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-P-1	8/24/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-P-1	8/24/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-1	8/24/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-1	8/24/2002	PCBs	Trichlorobiphenyl	ug/m3	0.00098		
AIR-P-2	9/10/1999	PCBs	Decachlorobiphenyl	ug/puff	5	U	
AIR-P-2	9/10/1999	PCBs	Dichlorobiphenyl	ug/puff	1	U	
AIR-P-2	9/10/1999	PCBs	Heptachlorobiphenyl	ug/puff	3	U	
AIR-P-2	9/10/1999	PCBs	Hexachlorobiphenyl	ug/puff	2	U	
AIR-P-2	9/10/1999	PCBs	Monochlorobiphenyl	ug/puff	1	U	
AIR-P-2	9/10/1999	PCBs	Nonachlorobiphenyl	ug/puff	5	U	
AIR-P-2	9/10/1999	PCBs	Octachlorobiphenyl	ug/puff	3	U	
AIR-P-2	9/10/1999	PCBs	Pentachlorobiphenyl	ug/puff	2	U	
AIR-P-2	9/10/1999	PCBs	Tetrachlorobiphenyl	ug/puff	2	U	
AIR-P-2	9/10/1999	PCBs	Trichlorobiphenyl	ug/puff	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-2	8/24/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-P-2	8/24/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-P-2	8/24/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-P-2	8/24/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-2	8/24/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-P-2	8/24/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-P-2	8/24/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-P-2	8/24/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-2	8/24/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-2	8/24/2002	PCBs	Trichlorobiphenyl	ug/m3	0.0003	U	U
AIR-P-3	9/10/1999	PCBs	Decachlorobiphenyl	ug/puff	5	U	
AIR-P-3	9/10/1999	PCBs	Dichlorobiphenyl	ug/puff	1	U	
AIR-P-3	9/10/1999	PCBs	Heptachlorobiphenyl	ug/puff	3	U	
AIR-P-3	9/10/1999	PCBs	Hexachlorobiphenyl	ug/puff	2	U	
AIR-P-3	9/10/1999	PCBs	Monochlorobiphenyl	ug/puff	1	U	
AIR-P-3	9/10/1999	PCBs	Nonachlorobiphenyl	ug/puff	5	U	
AIR-P-3	9/10/1999	PCBs	Octachlorobiphenyl	ug/puff	3	U	
AIR-P-3	9/10/1999	PCBs	Pentachlorobiphenyl	ug/puff	2	U	
AIR-P-3	9/10/1999	PCBs	Tetrachlorobiphenyl	ug/puff	2	U	
AIR-P-3	9/10/1999	PCBs	Trichlorobiphenyl	ug/puff	1	U	
AIR-P-3	8/24/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-P-3	8/24/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-P-3	8/24/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-P-3	8/24/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-3	8/24/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-P-3	8/24/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-P-3	8/24/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-P-3	8/24/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-3	8/24/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-3	8/24/2002	PCBs	Trichlorobiphenyl	ug/m3	0.0002	J	J
AIR-P-4	9/10/1999	PCBs	Decachlorobiphenyl	ug/puff	5	U	
AIR-P-4	9/10/1999	PCBs	Dichlorobiphenyl	ug/puff	1	U	
AIR-P-4	9/10/1999	PCBs	Heptachlorobiphenyl	ug/puff	3	U	
AIR-P-4	9/10/1999	PCBs	Hexachlorobiphenyl	ug/puff	2	U	
AIR-P-4	9/10/1999	PCBs	Monochlorobiphenyl	ug/puff	1	U	
AIR-P-4	9/10/1999	PCBs	Nonachlorobiphenyl	ug/puff	5	U	
AIR-P-4	9/10/1999	PCBs	Octachlorobiphenyl	ug/puff	3	U	
AIR-P-4	9/10/1999	PCBs	Pentachlorobiphenyl	ug/puff	2	U	
AIR-P-4	9/10/1999	PCBs	Tetrachlorobiphenyl	ug/puff	2	U	
AIR-P-4	9/10/1999	PCBs	Trichlorobiphenyl	ug/puff	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-4	8/24/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-P-4	8/24/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-P-4	8/24/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-P-4	8/24/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-4	8/24/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-P-4	8/24/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-P-4	8/24/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-P-4	8/24/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-4	8/24/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-P-4	8/24/2002	PCBs	Trichlorobiphenyl	ug/m3	0.0021		
AIR-P-1	8/24/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	U
AIR-P-1	8/24/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-P-1	8/24/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-P-1	8/24/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-P-1	8/24/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	U
AIR-P-1	8/24/2002	Pesticides	beta-BHC	ug/m3	0.0001	U	U
AIR-P-1	8/24/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-P-1	8/24/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-P-1	8/24/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-P-1	8/24/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	U
AIR-P-1	8/24/2002	Pesticides	Endrin	ug/m3	0.0003	U	U
AIR-P-1	8/24/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	UJ
AIR-P-1	8/24/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-P-1	8/24/2002	Pesticides	gamma-BHC (Lindane)	ug/m3	0.0001	U	U
AIR-P-1	8/24/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	U
AIR-P-1	8/24/2002	Pesticides	Heptachlor	ug/m3	0.000098	JP	J
AIR-P-1	8/24/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	U
AIR-P-1	8/24/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-P-1	8/24/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-P-2	8/24/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	U
AIR-P-2	8/24/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-P-2	8/24/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-P-2	8/24/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-P-2	8/24/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	U
AIR-P-2	8/24/2002	Pesticides	beta-BHC	ug/m3	0.0001	U	U
AIR-P-2	8/24/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-P-2	8/24/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-P-2	8/24/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-P-2	8/24/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	U
AIR-P-2	8/24/2002	Pesticides	Endrin	ug/m3	0.0003	U	U

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AIR-P-2	8/24/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	UJ
AIR-P-2	8/24/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-P-2	8/24/2002	Pesticides	gamma-BHC (Lindane)	ug/m3	0.0001	U	U
AIR-P-2	8/24/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	U
AIR-P-2	8/24/2002	Pesticides	Heptachlor	ug/m3	0.000096	JP	J
AIR-P-2	8/24/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	U
AIR-P-2	8/24/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-P-2	8/24/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-P-3	8/24/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	U
AIR-P-3	8/24/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-P-3	8/24/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-P-3	8/24/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-P-3	8/24/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	U
AIR-P-3	8/24/2002	Pesticides	beta-BHC	ug/m3	0.0001	U	U
AIR-P-3	8/24/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-P-3	8/24/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-P-3	8/24/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-P-3	8/24/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	U
AIR-P-3	8/24/2002	Pesticides	Endrin	ug/m3	0.0003	U	U
AIR-P-3	8/24/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	UJ
AIR-P-3	8/24/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-P-3	8/24/2002	Pesticides	gamma-BHC (Lindane)	ug/m3	0.0001	U	U
AIR-P-3	8/24/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	U
AIR-P-3	8/24/2002	Pesticides	Heptachlor	ug/m3	0.0001	U	U
AIR-P-3	8/24/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	U
AIR-P-3	8/24/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-P-3	8/24/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-P-4	8/24/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	U
AIR-P-4	8/24/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-P-4	8/24/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-P-4	8/24/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-P-4	8/24/2002	Pesticides	alpha-BHC	ug/m3	0.00013	JP	J
AIR-P-4	8/24/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	U
AIR-P-4	8/24/2002	Pesticides	beta-BHC	ug/m3	0.0001	U	U
AIR-P-4	8/24/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-P-4	8/24/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-P-4	8/24/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-P-4	8/24/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	U
AIR-P-4	8/24/2002	Pesticides	Endrin	ug/m3	0.0003	U	U
AIR-P-4	8/24/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-4	8/24/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-P-4	8/24/2002	Pesticides	gamma-BHC (Lindane)	ug/m3	0.0001	U	U
AIR-P-4	8/24/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	U
AIR-P-4	8/24/2002	Pesticides	Heptachlor	ug/m3	0.00011	JP	J
AIR-P-4	8/24/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.000083	JP	J
AIR-P-4	8/24/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-P-4	8/24/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-P-1	8/24/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.14	U	U
AIR-P-1	8/24/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.053	U	U
AIR-P-1	8/24/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.023	U	U
AIR-P-1	8/24/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.0065	U	UJ
AIR-P-1	8/24/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.016	U	U
AIR-P-1	8/24/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.013	U	U
AIR-P-1	8/24/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.0085	U	U
AIR-P-1	8/24/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.024	U	U
AIR-P-1	8/24/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.0053	U	U
AIR-P-1	8/24/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.011	U	U
AIR-P-1	8/24/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.018	U	U
AIR-P-1	8/24/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.0056	U	U
AIR-P-1	8/24/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.0085	U	U
AIR-P-1	8/24/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0053	U	UJ
AIR-P-1	8/24/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.026	U	U
AIR-P-1	8/24/2002	Dioxins	OCDD	pg/m3	0.616		
AIR-P-1	8/24/2002	Dioxins	OCDF	pg/m3	0.041	U	U
AIR-P-1	8/24/2002	Dioxins	Total HpCDD	pg/m3	0.24		
AIR-P-1	8/24/2002	Dioxins	Total HpCDF	pg/m3	0.053	U	U
AIR-P-1	8/24/2002	Dioxins	Total HxCDD	pg/m3	0.05	U	U
AIR-P-1	8/24/2002	Dioxins	Total HxCDF	pg/m3	0.044	U	U
AIR-P-1	8/24/2002	Dioxins	Total PeCDD	pg/m3	0.019	U	U
AIR-P-1	8/24/2002	Dioxins	Total PeCDF	pg/m3	0.038	U	U
AIR-P-1	8/24/2002	Dioxins	Total TCDD	pg/m3	0.0088	U	UJ
AIR-P-1	8/24/2002	Dioxins	Total TCDF	pg/m3	0.026	U	U
AIR-P-2	8/24/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.16	J	J
AIR-P-2	8/24/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.059	U	U
AIR-P-2	8/24/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.014	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-2	8/24/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.0077	U	UJ
AIR-P-2	8/24/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.021	U	U
AIR-P-2	8/24/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.015	U	U
AIR-P-2	8/24/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.0074	U	U
AIR-P-2	8/24/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.022	U	U
AIR-P-2	8/24/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.0062	U	U
AIR-P-2	8/24/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.015	U	U
AIR-P-2	8/24/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.019	U	U
AIR-P-2	8/24/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.01	U	U
AIR-P-2	8/24/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.026	U	U
AIR-P-2	8/24/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0045	U	UJ
AIR-P-2	8/24/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.045	J CON	J
AIR-P-2	8/24/2002	Dioxins	OCDD	pg/m3	0.653		
AIR-P-2	8/24/2002	Dioxins	OCDF	pg/m3	0.045	U	U
AIR-P-2	8/24/2002	Dioxins	Total HpCDD	pg/m3	0.415		
AIR-P-2	8/24/2002	Dioxins	Total HpCDF	pg/m3	0.059	U	U
AIR-P-2	8/24/2002	Dioxins	Total HxCDD	pg/m3	0.068	U	U
AIR-P-2	8/24/2002	Dioxins	Total HxCDF	pg/m3	0.077	U	U
AIR-P-2	8/24/2002	Dioxins	Total PeCDD	pg/m3	0.027	U	U
AIR-P-2	8/24/2002	Dioxins	Total PeCDF	pg/m3	0.1	U	U
AIR-P-2	8/24/2002	Dioxins	Total TCDD	pg/m3	0.018	U	UJ
AIR-P-2	8/24/2002	Dioxins	Total TCDF	pg/m3	0.21		
AIR-P-3	8/24/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.18	J	J
AIR-P-3	8/24/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.031	U	U
AIR-P-3	8/24/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.01	U	U
AIR-P-3	8/24/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.0069	U	UJ
AIR-P-3	8/24/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.0097	U	U
AIR-P-3	8/24/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.015	U	U
AIR-P-3	8/24/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.005	U	U
AIR-P-3	8/24/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.018	U	U
AIR-P-3	8/24/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.0061	U	U
AIR-P-3	8/24/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.0069	U	U
AIR-P-3	8/24/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.012	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-3	8/24/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.0056	U	U
AIR-P-3	8/24/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.0058	U	U
AIR-P-3	8/24/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.005	U	UJ
AIR-P-3	8/24/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.021	U	U
AIR-P-3	8/24/2002	Dioxins	OCDD	pg/m3	0.944		
AIR-P-3	8/24/2002	Dioxins	OCDF	pg/m3	0.044	U	U
AIR-P-3	8/24/2002	Dioxins	Total HpCDD	pg/m3	0.444		
AIR-P-3	8/24/2002	Dioxins	Total HpCDF	pg/m3	0.031	U	U
AIR-P-3	8/24/2002	Dioxins	Total HxCDD	pg/m3	0.064	U	U
AIR-P-3	8/24/2002	Dioxins	Total HxCDF	pg/m3	0.031	U	U
AIR-P-3	8/24/2002	Dioxins	Total PeCDD	pg/m3	0.018	U	U
AIR-P-3	8/24/2002	Dioxins	Total PeCDF	pg/m3	0.014	U	U
AIR-P-3	8/24/2002	Dioxins	Total TCDD	pg/m3	0.0081	U	UJ
AIR-P-3	8/24/2002	Dioxins	Total TCDF	pg/m3	0.021	U	U
AIR-P-4	8/24/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.14	U	U
AIR-P-4	8/24/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.028	U	U
AIR-P-4	8/24/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.01	U	U
AIR-P-4	8/24/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.011	U	UJ
AIR-P-4	8/24/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.011	U	U
AIR-P-4	8/24/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.014	U	U
AIR-P-4	8/24/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.005	U	U
AIR-P-4	8/24/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.017	U	U
AIR-P-4	8/24/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.0047	U	U
AIR-P-4	8/24/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.0059	U	U
AIR-P-4	8/24/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.013	U	U
AIR-P-4	8/24/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.0059	U	U
AIR-P-4	8/24/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.0056	U	U
AIR-P-4	8/24/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0035	U	UJ
AIR-P-4	8/24/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.014	U	U
AIR-P-4	8/24/2002	Dioxins	OCDD	pg/m3	0.619		
AIR-P-4	8/24/2002	Dioxins	OCDF	pg/m3	0.023	U	U
AIR-P-4	8/24/2002	Dioxins	Total HpCDD	pg/m3	0.21		
AIR-P-4	8/24/2002	Dioxins	Total HpCDF	pg/m3	0.028	U	U
AIR-P-4	8/24/2002	Dioxins	Total HxCDD	pg/m3	0.05	U	U
AIR-P-4	8/24/2002	Dioxins	Total HxCDF	pg/m3	0.023	U	U
AIR-P-4	8/24/2002	Dioxins	Total PeCDD	pg/m3	0.013	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-4	8/24/2002	Dioxins	Total PeCDF	pg/m3	0.024	U	U
AIR-P-4	8/24/2002	Dioxins	Total TCDD	pg/m3	0.0065	U	UJ
AIR-P-4	8/24/2002	Dioxins	Total TCDF	pg/m3	0.014	U	U
AIR-P-1	8/24/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-P-1	8/24/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-P-1	8/24/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-P-1	8/24/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-P-1	8/24/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-P-1	8/24/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-P-1	8/24/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-P-1	8/24/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-P-1	8/24/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-P-1	8/24/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-P-1	8/24/2002	Metals	Iron	ug/m3	0.2	U	U
AIR-P-1	8/24/2002	Metals	Lead	ug/m3	0.02	U	U
AIR-P-1	8/24/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-P-1	8/24/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-P-1	8/24/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-P-1	8/24/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-P-1	8/24/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-P-1	8/24/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-P-1	8/24/2002	Metals	Sodium	ug/m3	1.1	B	J
AIR-P-1	8/24/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-P-1	8/24/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-P-1	8/24/2002	Metals	Zinc	ug/m3	0.08	U	U
AIR-P-2	8/24/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-P-2	8/24/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-P-2	8/24/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-P-2	8/24/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-P-2	8/24/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-P-2	8/24/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-P-2	8/24/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-P-2	8/24/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-P-2	8/24/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-P-2	8/24/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-P-2	8/24/2002	Metals	Iron	ug/m3	0.2	U	U
AIR-P-2	8/24/2002	Metals	Lead	ug/m3	0.02	U	U
AIR-P-2	8/24/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-P-2	8/24/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-P-2	8/24/2002	Metals	Nickel	ug/m3	0.2	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-2	8/24/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-P-2	8/24/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-P-2	8/24/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-P-2	8/24/2002	Metals	Sodium	ug/m3	2.1	U	U
AIR-P-2	8/24/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-P-2	8/24/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-P-2	8/24/2002	Metals	Zinc	ug/m3	0.08	U	U
AIR-P-3	8/24/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-P-3	8/24/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-P-3	8/24/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-P-3	8/24/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-P-3	8/24/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-P-3	8/24/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-P-3	8/24/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-P-3	8/24/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-P-3	8/24/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-P-3	8/24/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-P-3	8/24/2002	Metals	Iron	ug/m3	0.2	U	U
AIR-P-3	8/24/2002	Metals	Lead	ug/m3	0.02	U	U
AIR-P-3	8/24/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-P-3	8/24/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-P-3	8/24/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-P-3	8/24/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-P-3	8/24/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-P-3	8/24/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-P-3	8/24/2002	Metals	Sodium	ug/m3	2.1	U	U
AIR-P-3	8/24/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-P-3	8/24/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-P-3	8/24/2002	Metals	Zinc	ug/m3	0.08	U	U
AIR-P-4	8/24/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-P-4	8/24/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-P-4	8/24/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-P-4	8/24/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-P-4	8/24/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-P-4	8/24/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-P-4	8/24/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-P-4	8/24/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-P-4	8/24/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-P-4	8/24/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-P-4	8/24/2002	Metals	Iron	ug/m3	0.2	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-P-4	8/24/2002	Metals	Lead	ug/m3	0.02	U	U
AIR-P-4	8/24/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-P-4	8/24/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-P-4	8/24/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-P-4	8/24/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-P-4	8/24/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-P-4	8/24/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-P-4	8/24/2002	Metals	Sodium	ug/m3	2.1	U	U
AIR-P-4	8/24/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-P-4	8/24/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-P-4	8/24/2002	Metals	Zinc	ug/m3	0.08	U	U
SITE Q CENTRAL							
AIR-Q-1	8/26/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.261	U	U
AIR-Q-1	8/26/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	1.02	U	U
AIR-Q-1	8/26/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.353	U	U
AIR-Q-1	8/26/2002	VOCs	1,1-Dichloroethane	ug/m3	0.185	U	U
AIR-Q-1	8/26/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.118	U	U
AIR-Q-1	8/26/2002	VOCs	1,2-Dichloroethane	ug/m3	0.245	U	U
AIR-Q-1	8/26/2002	VOCs	1,2-Dichloropropane	ug/m3	0.302	U	U
AIR-Q-1	8/26/2002	VOCs	2-Butanone (MEK)	ug/m3	3.6	JF	J
AIR-Q-1	8/26/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	2.24	J	J
AIR-Q-1	8/26/2002	VOCs	Acetone	ug/m3	16.3	JB	J
AIR-Q-1	8/26/2002	VOCs	Benzene	ug/m3	2.08	J	J
AIR-Q-1	8/26/2002	VOCs	Bromodichloromethane	ug/m3	0.293	U	U
AIR-Q-1	8/26/2002	VOCs	Bromoform	ug/m3	0.314	U	U
AIR-Q-1	8/26/2002	VOCs	Bromomethane	ug/m3	0.384	U	U
AIR-Q-1	8/26/2002	VOCs	Carbon Tetrachloride	ug/m3	1.52	U	U
AIR-Q-1	8/26/2002	VOCs	Chlorobenzene	ug/m3	0.432	JB	U
AIR-Q-1	8/26/2002	VOCs	Chlorodibromomethane	ug/m3	0.354	U	U
AIR-Q-1	8/26/2002	VOCs	Chloroethane	ug/m3	0.12	U	U
AIR-Q-1	8/26/2002	VOCs	Chloroform	ug/m3	0.399	U	U
AIR-Q-1	8/26/2002	VOCs	Chloromethane	ug/m3	1	J	J
AIR-Q-1	8/26/2002	VOCs	Dichloromethane	ug/m3	0.795	J	J
AIR-Q-1	8/26/2002	VOCs	Ethylbenzene	ug/m3	0.61	J	J
AIR-Q-1	8/26/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.145	U	U
AIR-Q-1	8/26/2002	VOCs	o-Xylene	ug/m3	0.74	J	J
AIR-Q-1	8/26/2002	VOCs	p-Xylene/m-Xylene	ug/m3	1.92	J	J
AIR-Q-1	8/26/2002	VOCs	Styrene (Monomer)	ug/m3	1.18	J	J
AIR-Q-1	8/26/2002	VOCs	Tetrachloroethene	ug/m3	0.848	U	U
AIR-Q-1	8/26/2002	VOCs	Toluene	ug/m3	6.4	JB	J

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AIR-Q-1	8/26/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.4	U	U
AIR-Q-1	8/26/2002	VOCs	Trichloroethene	ug/m3	0.688	U	U
AIR-Q-1	8/26/2002	VOCs	Vinyl chloride	ug/m3	0.117	U	U
AIR-Q-2	8/26/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.217	U	U
AIR-Q-2	8/26/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.851	U	U
AIR-Q-2	8/26/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.294	U	U
AIR-Q-2	8/26/2002	VOCs	1,1-Dichloroethane	ug/m3	0.15	U	U
AIR-Q-2	8/26/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.0979	U	U
AIR-Q-2	8/26/2002	VOCs	1,2-Dichloroethane	ug/m3	0.204	U	U
AIR-Q-2	8/26/2002	VOCs	1,2-Dichloropropane	ug/m3	0.251	U	U
AIR-Q-2	8/26/2002	VOCs	2-Butanone (MEK)	ug/m3	1.97	JF	J
AIR-Q-2	8/26/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	2.99	J	J
AIR-Q-2	8/26/2002	VOCs	Acetone	ug/m3	13.3	JB	J
AIR-Q-2	8/26/2002	VOCs	Benzene	ug/m3	1.29	J	J
AIR-Q-2	8/26/2002	VOCs	Bromodichloromethane	ug/m3	0.243	U	U
AIR-Q-2	8/26/2002	VOCs	Bromoform	ug/m3	0.262	U	U
AIR-Q-2	8/26/2002	VOCs	Bromomethane	ug/m3	0.319	U	U
AIR-Q-2	8/26/2002	VOCs	Carbon Tetrachloride	ug/m3	1.26	U	U
AIR-Q-2	8/26/2002	VOCs	Chlorobenzene	ug/m3	1.65	JB	J
AIR-Q-2	8/26/2002	VOCs	Chlorodibromomethane	ug/m3	0.294	U	U
AIR-Q-2	8/26/2002	VOCs	Chloroethane	ug/m3	0.1	U	U
AIR-Q-2	8/26/2002	VOCs	Chloroform	ug/m3	0.33	U	U
AIR-Q-2	8/26/2002	VOCs	Chloromethane	ug/m3	0.9	J	J
AIR-Q-2	8/26/2002	VOCs	Dichloromethane	ug/m3	1.5	J	J
AIR-Q-2	8/26/2002	VOCs	Ethylbenzene	ug/m3	0.37	J	J
AIR-Q-2	8/26/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.12	U	U
AIR-Q-2	8/26/2002	VOCs	p-Xylene/m-Xylene	ug/m3	1.03	J	J
AIR-Q-2	8/26/2002	VOCs	Styrene (Monomer)	ug/m3	1.34	J	J
AIR-Q-2	8/26/2002	VOCs	Tetrachloroethene	ug/m3	0.705	U	U
AIR-Q-2	8/26/2002	VOCs	Toluene	ug/m3	4.11	JB	J
AIR-Q-2	8/26/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.332	U	U
AIR-Q-2	8/26/2002	VOCs	Trichloroethene	ug/m3	1.51	J	J
AIR-Q-2	8/26/2002	VOCs	Vinyl chloride	ug/m3	0.0974	U	U
AIR-Q-3	8/26/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.247	U	U
AIR-Q-3	8/26/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.968	U	U
AIR-Q-3	8/26/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.335	U	U
AIR-Q-3	8/26/2002	VOCs	1,1-Dichloroethane	ug/m3	0.176	U	U
AIR-Q-3	8/26/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.112	U	U
AIR-Q-3	8/26/2002	VOCs	1,2-Dichloroethane	ug/m3	0.232	U	U
AIR-Q-3	8/26/2002	VOCs	1,2-Dichloropropane	ug/m3	0.29	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-3	8/26/2002	VOCs	2-Butanone (MEK)	ug/m3	1.48	J	J
AIR-Q-3	8/26/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.319	U	U
AIR-Q-3	8/26/2002	VOCs	Acetone	ug/m3	16.3	JB	J
AIR-Q-3	8/26/2002	VOCs	Benzene	ug/m3	0.534	J	J
AIR-Q-3	8/26/2002	VOCs	Bromodichloromethane	ug/m3	0.277	U	U
AIR-Q-3	8/26/2002	VOCs	Bromoform	ug/m3	0.298	U	U
AIR-Q-3	8/26/2002	VOCs	Bromomethane	ug/m3	0.364	U	U
AIR-Q-3	8/26/2002	VOCs	Carbon Tetrachloride	ug/m3	1.44	U	U
AIR-Q-3	8/26/2002	VOCs	Chlorobenzene	ug/m3	0.186	UB	U
AIR-Q-3	8/26/2002	VOCs	Chlorodibromomethane	ug/m3	0.336	U	U
AIR-Q-3	8/26/2002	VOCs	Chloroethane	ug/m3	0.114	U	U
AIR-Q-3	8/26/2002	VOCs	Chloroform	ug/m3	0.379	U	U
AIR-Q-3	8/26/2002	VOCs	Chloromethane	ug/m3	0.871	J	J
AIR-Q-3	8/26/2002	VOCs	Dichloromethane	ug/m3	0.472	J	J
AIR-Q-3	8/26/2002	VOCs	Ethylbenzene	ug/m3	0.369	J	J
AIR-Q-3	8/26/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.14	U	U
AIR-Q-3	8/26/2002	VOCs	o-Xylene	ug/m3	0.495	J	J
AIR-Q-3	8/26/2002	VOCs	p-Xylene/m-Xylene	ug/m3	1.2	J	J
AIR-Q-3	8/26/2002	VOCs	Styrene (Monomer)	ug/m3	0.401	J	J
AIR-Q-3	8/26/2002	VOCs	Tetrachloroethene	ug/m3	0.277		
AIR-Q-3	8/26/2002	VOCs	Toluene	ug/m3	0.0693	UJB	UJ
AIR-Q-3	8/26/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.379	U	U
AIR-Q-3	8/26/2002	VOCs	Trichloroethene	ug/m3	0.656	U	U
AIR-Q-3	8/26/2002	VOCs	Vinyl chloride	ug/m3	0.111	U	U
AIR-Q-4	8/26/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.24	U	U
AIR-Q-4	8/26/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.941	U	U
AIR-Q-4	8/26/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.324	U	U
AIR-Q-4	8/26/2002	VOCs	1,1-Dichloroethane	ug/m3	0.17	U	U
AIR-Q-4	8/26/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.109	U	U
AIR-Q-4	8/26/2002	VOCs	1,2-Dichloroethane	ug/m3	0.225	U	U
AIR-Q-4	8/26/2002	VOCs	1,2-Dichloropropane	ug/m3	0.3	U	U
AIR-Q-4	8/26/2002	VOCs	2-Butanone (MEK)	ug/m3	1.57	JF	J
AIR-Q-4	8/26/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.537	J	J
AIR-Q-4	8/26/2002	VOCs	Acetone	ug/m3	8.77	JB	J
AIR-Q-4	8/26/2002	VOCs	Benzene	ug/m3	0.994	J	J
AIR-Q-4	8/26/2002	VOCs	Bromodichloromethane	ug/m3	0.269	U	U
AIR-Q-4	8/26/2002	VOCs	Bromoform	ug/m3	0.288	U	U
AIR-Q-4	8/26/2002	VOCs	Bromomethane	ug/m3	0.353	U	U
AIR-Q-4	8/26/2002	VOCs	Carbon Tetrachloride	ug/m3	1.4	U	U
AIR-Q-4	8/26/2002	VOCs	Chlorobenzene	ug/m3	0.31	JB	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-4	8/26/2002	VOCs	Chlorodibromomethane	ug/m3	0.325	U	U
AIR-Q-4	8/26/2002	VOCs	Chloroethane	ug/m3	0.111	U	U
AIR-Q-4	8/26/2002	VOCs	Chloroform	ug/m3	0.367	U	U
AIR-Q-4	8/26/2002	VOCs	Chloromethane	ug/m3	0.882	J	J
AIR-Q-4	8/26/2002	VOCs	Dichloromethane	ug/m3	0.587	J	J
AIR-Q-4	8/26/2002	VOCs	Ethylbenzene	ug/m3	0.232	J	J
AIR-Q-4	8/26/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.133	U	U
AIR-Q-4	8/26/2002	VOCs	p-Xylene/m-Xylene	ug/m3	0.734	J	J
AIR-Q-4	8/26/2002	VOCs	Tetrachloroethene	ug/m3	0.78	U	U
AIR-Q-4	8/26/2002	VOCs	Toluene	ug/m3	2.32	JB	J
AIR-Q-4	8/26/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.37	U	U
AIR-Q-4	8/26/2002	VOCs	Trichloroethene	ug/m3	0.634	U	U
AIR-Q-4	8/26/2002	VOCs	Vinyl chloride	ug/m3	0.108	U	U
AIR-Q-1	8/26/2002	SVOCs	Acenaphthene	ug/m3	0.029		
AIR-Q-1	8/26/2002	SVOCs	Acenaphthylene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Anthracene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Chrysene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Fluoranthene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Fluorene	ug/m3	0.017	J	J
AIR-Q-1	8/26/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.029	U	U
AIR-Q-1	8/26/2002	SVOCs	Naphthalene	ug/m3	0.074		
AIR-Q-1	8/26/2002	SVOCs	Phenanthrene	ug/m3	0.029		
AIR-Q-1	8/26/2002	SVOCs	Pyrene	ug/m3	0.029	U	U
AIR-Q-4	8/26/2002	SVOCs	Acenaphthene	ug/m3	0.027	J	J
AIR-Q-4	8/26/2002	SVOCs	Acenaphthylene	ug/m3	0.031	U	UJ
AIR-Q-4	8/26/2002	SVOCs	Anthracene	ug/m3	0.031	U	UJ
AIR-Q-4	8/26/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.031	U	UJ
AIR-Q-4	8/26/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.031	U	UJ
AIR-Q-4	8/26/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.031	U	UJ
AIR-Q-4	8/26/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.031	U	UJ
AIR-Q-4	8/26/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.031	U	UJ
AIR-Q-4	8/26/2002	SVOCs	Chrysene	ug/m3	0.031	U	UJ
AIR-Q-4	8/26/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.031	U	UJ
AIR-Q-4	8/26/2002	SVOCs	Fluoranthene	ug/m3	0.031	U	UJ

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AIR-Q-4	8/26/2002	SVOCs	Fluorene	ug/m3	0.02	J	J
AIR-Q-4	8/26/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.031	U	UJ
AIR-Q-4	8/26/2002	SVOCs	Naphthalene	ug/m3	0.063		J
AIR-Q-4	8/26/2002	SVOCs	Phenanthrene	ug/m3	0.034		J
AIR-Q-4	8/26/2002	SVOCs	Pyrene	ug/m3	0.031	U	UJ
AIR-Q-1	8/26/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-1	8/26/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-1	8/26/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-1	8/26/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-1	8/26/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-1	8/26/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-1	8/26/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-1	8/26/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-1	8/26/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.001		
AIR-Q-1	8/26/2002	PCBs	Trichlorobiphenyl	ug/m3	0.0001	J	J
AIR-Q-2	8/26/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-2	8/26/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-2	8/26/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-2	8/26/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-2	8/26/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-2	8/26/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-2	8/26/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-2	8/26/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-2	8/26/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-2	8/26/2002	PCBs	Trichlorobiphenyl	ug/m3	0.00082		
AIR-Q-3	8/26/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-3	8/26/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-3	8/26/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-3	8/26/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-3	8/26/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-3	8/26/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-3	8/26/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-3	8/26/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-3	8/26/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-3	8/26/2002	PCBs	Trichlorobiphenyl	ug/m3	0.00054		
AIR-Q-4	8/26/2002	PCBs	Decachlorobiphenyl	ug/m3	0.002	U	U
AIR-Q-4	8/26/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-4	8/26/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-4	8/26/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-4	8/26/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-4	8/26/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.002	U	U
AIR-Q-4	8/26/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-4	8/26/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-4	8/26/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.002		
AIR-Q-4	8/26/2002	PCBs	Trichlorobiphenyl	ug/m3	0.00076		
AIR-Q-1	8/26/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-Q-1	8/26/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-Q-1	8/26/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-Q-1	8/26/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-Q-1	8/26/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	U
AIR-Q-1	8/26/2002	Pesticides	beta-BHC	ug/m3	0.0001	U	U
AIR-Q-1	8/26/2002	Pesticides	delta-BHC	ug/m3	0.00011	J	J
AIR-Q-1	8/26/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-Q-1	8/26/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-Q-1	8/26/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-Q-1	8/26/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	U
AIR-Q-1	8/26/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-Q-1	8/26/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	U
AIR-Q-1	8/26/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-Q-1	8/26/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	U
AIR-Q-1	8/26/2002	Pesticides	Heptachlor	ug/m3	0.000083	JP	J
AIR-Q-1	8/26/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	U
AIR-Q-1	8/26/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-Q-1	8/26/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-Q-2	8/26/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-Q-2	8/26/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-Q-2	8/26/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-Q-2	8/26/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-Q-2	8/26/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	U
AIR-Q-2	8/26/2002	Pesticides	beta-BHC	ug/m3	0.000099	JP	J
AIR-Q-2	8/26/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-Q-2	8/26/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-Q-2	8/26/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-Q-2	8/26/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	U
AIR-Q-2	8/26/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-Q-2	8/26/2002	Pesticides	Endrin Aldehyde	ug/m3	0.00015	JP	J
AIR-Q-2	8/26/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-Q-2	8/26/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	U
AIR-Q-2	8/26/2002	Pesticides	Heptachlor	ug/m3	0.00011	JP	J
AIR-Q-2	8/26/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-2	8/26/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-Q-2	8/26/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-Q-3	8/26/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-Q-3	8/26/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-Q-3	8/26/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-Q-3	8/26/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-Q-3	8/26/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	U
AIR-Q-3	8/26/2002	Pesticides	beta-BHC	ug/m3	0.0001	U	U
AIR-Q-3	8/26/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-Q-3	8/26/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-Q-3	8/26/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-Q-3	8/26/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	U
AIR-Q-3	8/26/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-Q-3	8/26/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	U
AIR-Q-3	8/26/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-Q-3	8/26/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	U
AIR-Q-3	8/26/2002	Pesticides	Heptachlor	ug/m3	0.00011	JP	J
AIR-Q-3	8/26/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	U
AIR-Q-3	8/26/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-Q-3	8/26/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-Q-4	8/26/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-Q-4	8/26/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	UJ
AIR-Q-4	8/26/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Aldrin	ug/m3	0.0002	U	UJ
AIR-Q-4	8/26/2002	Pesticides	alpha-Chlordane	ug/m3	0.0002	U	UJ
AIR-Q-4	8/26/2002	Pesticides	beta-BHC	ug/m3	0.0002	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Endosulfan I	ug/m3	0.0002	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	UJ
AIR-Q-4	8/26/2002	Pesticides	gamma-Chlordane	ug/m3	0.0002	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Heptachlor	ug/m3	0.0002	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0002	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Methoxychlor	ug/m3	0.002	U	UJ
AIR-Q-4	8/26/2002	Pesticides	Toxaphene	ug/m3	0.02	U	UJ
AIR-Q-1	8/26/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.475		

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AIR-Q-1	8/26/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.12	U	U
AIR-Q-1	8/26/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.019	U	U
AIR-Q-1	8/26/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.02	U	U
AIR-Q-1	8/26/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.033	U	U
AIR-Q-1	8/26/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.033	U	U
AIR-Q-1	8/26/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.019	U	U
AIR-Q-1	8/26/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.039	U	U
AIR-Q-1	8/26/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.018	U	U
AIR-Q-1	8/26/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.024	U	U
AIR-Q-1	8/26/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.023	U	U
AIR-Q-1	8/26/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.024	U	U
AIR-Q-1	8/26/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.016	U	U
AIR-Q-1	8/26/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0092	U	UJ
AIR-Q-1	8/26/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.033	J CON	J
AIR-Q-1	8/26/2002	Dioxins	OCDD	pg/m3	3.86		
AIR-Q-1	8/26/2002	Dioxins	OCDF	pg/m3	0.2	U	U
AIR-Q-1	8/26/2002	Dioxins	Total HpCDD	pg/m3	1.1		
AIR-Q-1	8/26/2002	Dioxins	Total HpCDF	pg/m3	0.12	U	U
AIR-Q-1	8/26/2002	Dioxins	Total HxCDD	pg/m3	0.13		
AIR-Q-1	8/26/2002	Dioxins	Total HxCDF	pg/m3	0.092	U	U
AIR-Q-1	8/26/2002	Dioxins	Total PeCDD	pg/m3	0.042	U	U
AIR-Q-1	8/26/2002	Dioxins	Total PeCDF	pg/m3	0.11	U	U
AIR-Q-1	8/26/2002	Dioxins	Total TCDD	pg/m3	0.024	U	UJ
AIR-Q-1	8/26/2002	Dioxins	Total TCDF	pg/m3	0.2		
AIR-Q-2	8/26/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.418		
AIR-Q-2	8/26/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.11	U	U
AIR-Q-2	8/26/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.017	U	U
AIR-Q-2	8/26/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.014	U	U
AIR-Q-2	8/26/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.036	U	U
AIR-Q-2	8/26/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.03	U	U
AIR-Q-2	8/26/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.017	U	U
AIR-Q-2	8/26/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.033	U	U
AIR-Q-2	8/26/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.017	U	U
AIR-Q-2	8/26/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.014	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-2	8/26/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.02	U	U
AIR-Q-2	8/26/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.018	U	U
AIR-Q-2	8/26/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.013	U	U
AIR-Q-2	8/26/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.009	U	UJ
AIR-Q-2	8/26/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.018	CON U	U
AIR-Q-2	8/26/2002	Dioxins	OCDD	pg/m3	2.84		
AIR-Q-2	8/26/2002	Dioxins	OCDF	pg/m3	0.17	U	U
AIR-Q-2	8/26/2002	Dioxins	Total HpCDD	pg/m3	0.925		
AIR-Q-2	8/26/2002	Dioxins	Total HpCDF	pg/m3	0.11	U	U
AIR-Q-2	8/26/2002	Dioxins	Total HxCDD	pg/m3	0.13	U	U
AIR-Q-2	8/26/2002	Dioxins	Total HxCDF	pg/m3	0.1	U	U
AIR-Q-2	8/26/2002	Dioxins	Total PeCDD	pg/m3	0.025	U	U
AIR-Q-2	8/26/2002	Dioxins	Total PeCDF	pg/m3	0.093	U	U
AIR-Q-2	8/26/2002	Dioxins	Total TCDD	pg/m3	0.016	U	UJ
AIR-Q-2	8/26/2002	Dioxins	Total TCDF	pg/m3	0.2		
AIR-Q-3	8/26/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.562		
AIR-Q-3	8/26/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.098	U	U
AIR-Q-3	8/26/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.013	U	U
AIR-Q-3	8/26/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.017	U	U
AIR-Q-3	8/26/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.029	U	U
AIR-Q-3	8/26/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.05	U	U
AIR-Q-3	8/26/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.013	U	U
AIR-Q-3	8/26/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.053	U	U
AIR-Q-3	8/26/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.016	U	U
AIR-Q-3	8/26/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.011	U	U
AIR-Q-3	8/26/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.033	U	U
AIR-Q-3	8/26/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.014	U	U
AIR-Q-3	8/26/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.011	U	U
AIR-Q-3	8/26/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0071	U	UJ
AIR-Q-3	8/26/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.025	CON U	U
AIR-Q-3	8/26/2002	Dioxins	OCDD	pg/m3	3.85		
AIR-Q-3	8/26/2002	Dioxins	OCDF	pg/m3	0.19	U	U
AIR-Q-3	8/26/2002	Dioxins	Total HpCDD	pg/m3	1.21		
AIR-Q-3	8/26/2002	Dioxins	Total HpCDF	pg/m3	0.12	U	U
AIR-Q-3	8/26/2002	Dioxins	Total HxCDD	pg/m3	0.18		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-3	8/26/2002	Dioxins	Total HxCDF	pg/m3	0.056	U	U
AIR-Q-3	8/26/2002	Dioxins	Total PeCDD	pg/m3	0.036	U	U
AIR-Q-3	8/26/2002	Dioxins	Total PeCDF	pg/m3	0.059		
AIR-Q-3	8/26/2002	Dioxins	Total TCDD	pg/m3	0.015	U	UJ
AIR-Q-3	8/26/2002	Dioxins	Total TCDF	pg/m3	0.17		
AIR-Q-4	8/26/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.61		
AIR-Q-4	8/26/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.13	U	U
AIR-Q-4	8/26/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.015	U	U
AIR-Q-4	8/26/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.017	U	U
AIR-Q-4	8/26/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.047	U	U
AIR-Q-4	8/26/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.044	U	U
AIR-Q-4	8/26/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.018	U	U
AIR-Q-4	8/26/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.047	U	U
AIR-Q-4	8/26/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.017	U	U
AIR-Q-4	8/26/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.024	U	U
AIR-Q-4	8/26/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.032	U	U
AIR-Q-4	8/26/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.019	U	U
AIR-Q-4	8/26/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.029	U	U
AIR-Q-4	8/26/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.009	U	UJ
AIR-Q-4	8/26/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.035	J CON	J
AIR-Q-4	8/26/2002	Dioxins	OCDD	pg/m3	5.52		
AIR-Q-4	8/26/2002	Dioxins	OCDF	pg/m3	0.291	J	J
AIR-Q-4	8/26/2002	Dioxins	Total HpCDD	pg/m3	1.31		
AIR-Q-4	8/26/2002	Dioxins	Total HpCDF	pg/m3	0.18		
AIR-Q-4	8/26/2002	Dioxins	Total HxCDD	pg/m3	0.14	U	U
AIR-Q-4	8/26/2002	Dioxins	Total HxCDF	pg/m3	0.1	U	U
AIR-Q-4	8/26/2002	Dioxins	Total PeCDD	pg/m3	0.073	U	U
AIR-Q-4	8/26/2002	Dioxins	Total PeCDF	pg/m3	0.17		
AIR-Q-4	8/26/2002	Dioxins	Total TCDD	pg/m3	0.11		J
AIR-Q-4	8/26/2002	Dioxins	Total TCDF	pg/m3	1.57		
AIR-Q-1	8/26/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-Q-1	8/26/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-Q-1	8/26/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-Q-1	8/26/2002	Metals	Barium	ug/m3	0.036	B	J
AIR-Q-1	8/26/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-Q-1	8/26/2002	Metals	Cadmium	ug/m3	0.02	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-1	8/26/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-Q-1	8/26/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-Q-1	8/26/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-Q-1	8/26/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-Q-1	8/26/2002	Metals	Iron	ug/m3	0.2	B	J
AIR-Q-1	8/26/2002	Metals	Lead	ug/m3	0.02	U	U
AIR-Q-1	8/26/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-Q-1	8/26/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-Q-1	8/26/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-Q-1	8/26/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-Q-1	8/26/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-Q-1	8/26/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-Q-1	8/26/2002	Metals	Sodium	ug/m3	2.1	U	U
AIR-Q-1	8/26/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-Q-1	8/26/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-Q-1	8/26/2002	Metals	Zinc	ug/m3	0.08	U	U
AIR-Q-2	8/26/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-Q-2	8/26/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-Q-2	8/26/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-Q-2	8/26/2002	Metals	Barium	ug/m3	0.035	B	J
AIR-Q-2	8/26/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-Q-2	8/26/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-Q-2	8/26/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-Q-2	8/26/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-Q-2	8/26/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-Q-2	8/26/2002	Metals	Copper	ug/m3	0.054	B	J
AIR-Q-2	8/26/2002	Metals	Iron	ug/m3	0.15	B	J
AIR-Q-2	8/26/2002	Metals	Lead	ug/m3	0.015	B	J
AIR-Q-2	8/26/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-Q-2	8/26/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-Q-2	8/26/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-Q-2	8/26/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-Q-2	8/26/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-Q-2	8/26/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-Q-2	8/26/2002	Metals	Sodium	ug/m3	2.1		U
AIR-Q-2	8/26/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-Q-2	8/26/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-Q-2	8/26/2002	Metals	Zinc	ug/m3	0.08	U	U
AIR-Q-3	8/26/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-Q-3	8/26/2002	Metals	Antimony	ug/m3	0.08	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-3	8/26/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-Q-3	8/26/2002	Metals	Barium	ug/m3	0.037	B	J
AIR-Q-3	8/26/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-Q-3	8/26/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-Q-3	8/26/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-Q-3	8/26/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-Q-3	8/26/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-Q-3	8/26/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-Q-3	8/26/2002	Metals	Iron	ug/m3	0.19	B	J
AIR-Q-3	8/26/2002	Metals	Lead	ug/m3	0.015	B	J
AIR-Q-3	8/26/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-Q-3	8/26/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-Q-3	8/26/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-Q-3	8/26/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-Q-3	8/26/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-Q-3	8/26/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-Q-3	8/26/2002	Metals	Sodium	ug/m3	2.1		U
AIR-Q-3	8/26/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-Q-3	8/26/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-Q-3	8/26/2002	Metals	Zinc	ug/m3	0.08	U	U
AIR-Q-4	8/26/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-Q-4	8/26/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-Q-4	8/26/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-Q-4	8/26/2002	Metals	Barium	ug/m3	0.032	B	J
AIR-Q-4	8/26/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-Q-4	8/26/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-Q-4	8/26/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-Q-4	8/26/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-Q-4	8/26/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-Q-4	8/26/2002	Metals	Copper	ug/m3	0.063	B	J
AIR-Q-4	8/26/2002	Metals	Iron	ug/m3	0.3		
AIR-Q-4	8/26/2002	Metals	Lead	ug/m3	0.015	B	J
AIR-Q-4	8/26/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-Q-4	8/26/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-Q-4	8/26/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-Q-4	8/26/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-Q-4	8/26/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-Q-4	8/26/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-Q-4	8/26/2002	Metals	Sodium	ug/m3	2.1	U	U
AIR-Q-4	8/26/2002	Metals	Thallium	ug/m3	0.04	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-4	8/26/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-Q-4	8/26/2002	Metals	Zinc	ug/m3	0.08	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Barium	ug/m3	0.031	B	J
AIR-Q-4-DUP	8/26/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Copper	ug/m3	0.063	B	J
AIR-Q-4-DUP	8/26/2002	Metals	Iron	ug/m3	0.26		
AIR-Q-4-DUP	8/26/2002	Metals	Lead	ug/m3	0.02	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Sodium	ug/m3	2.1	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-Q-4-DUP	8/26/2002	Metals	Zinc	ug/m3	0.08	U	U
SITE Q SOUTH							
AIR-Q-5	8/28/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.247	U	U
AIR-Q-5	8/28/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.968	U	U
AIR-Q-5	8/28/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.335	U	U
AIR-Q-5	8/28/2002	VOCs	1,1-Dichloroethane	ug/m3	0.176	U	U
AIR-Q-5	8/28/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.112	U	U
AIR-Q-5	8/28/2002	VOCs	1,2-Dichloroethane	ug/m3	0.232	U	U
AIR-Q-5	8/28/2002	VOCs	1,2-Dichloropropane	ug/m3	0.29	U	U
AIR-Q-5	8/28/2002	VOCs	2-Butanone (MEK)	ug/m3	1.24	J	J
AIR-Q-5	8/28/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.319	U	U
AIR-Q-5	8/28/2002	VOCs	Acetone	ug/m3	12.6	JB	J
AIR-Q-5	8/28/2002	VOCs	Benzene	ug/m3	1.59	J	J
AIR-Q-5	8/28/2002	VOCs	Bromodichloromethane	ug/m3	0.277	U	U
AIR-Q-5	8/28/2002	VOCs	Bromoform	ug/m3	0.298	U	U
AIR-Q-5	8/28/2002	VOCs	Bromomethane	ug/m3	0.364	U	U
AIR-Q-5	8/28/2002	VOCs	Carbon Tetrachloride	ug/m3	1.44	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-5	8/28/2002	VOCs	Chlorobenzene	ug/m3	0.186	UB	U
AIR-Q-5	8/28/2002	VOCs	Chlorodibromomethane	ug/m3	0.336	U	U
AIR-Q-5	8/28/2002	VOCs	Chloroethane	ug/m3	0.114	U	U
AIR-Q-5	8/28/2002	VOCs	Chloroform	ug/m3	0.379	U	U
AIR-Q-5	8/28/2002	VOCs	Chloromethane	ug/m3	0.876	J	J
AIR-Q-5	8/28/2002	VOCs	Dichloromethane	ug/m3	0.49	J	J
AIR-Q-5	8/28/2002	VOCs	Ethylbenzene	ug/m3	0.218	J	J
AIR-Q-5	8/28/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.14	U	U
AIR-Q-5	8/28/2002	VOCs	p-Xylene/m-Xylene	ug/m3	0.65	U	U
AIR-Q-5	8/28/2002	VOCs	Tetrachloroethene	ug/m3	0.8	U	U
AIR-Q-5	8/28/2002	VOCs	Toluene	ug/m3	2.17	JB	J
AIR-Q-5	8/28/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.379	U	U
AIR-Q-5	8/28/2002	VOCs	Trichloroethene	ug/m3	0.656	U	U
AIR-Q-5	8/28/2002	VOCs	Vinyl chloride	ug/m3	0.111	U	U
AIR-Q-8	8/28/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.265	U	U
AIR-Q-8	8/28/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	1.04	U	U
AIR-Q-8	8/28/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.359	U	U
AIR-Q-8	8/28/2002	VOCs	1,1-Dichloroethane	ug/m3	0.188	U	U
AIR-Q-8	8/28/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.12	U	U
AIR-Q-8	8/28/2002	VOCs	1,2-Dichloroethane	ug/m3	0.249	U	U
AIR-Q-8	8/28/2002	VOCs	1,2-Dichloropropane	ug/m3	0.307	U	U
AIR-Q-8	8/28/2002	VOCs	2-Butanone (MEK)	ug/m3	1.8	J	J
AIR-Q-8	8/28/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.342	U	U
AIR-Q-8	8/28/2002	VOCs	Acetone	ug/m3	12.7	J	J
AIR-Q-8	8/28/2002	VOCs	Benzene	ug/m3	0.514	J	J
AIR-Q-8	8/28/2002	VOCs	Bromodichloromethane	ug/m3	0.298	U	U
AIR-Q-8	8/28/2002	VOCs	Bromoform	ug/m3	0.319	U	U
AIR-Q-8	8/28/2002	VOCs	Bromomethane	ug/m3	0.4	U	U
AIR-Q-8	8/28/2002	VOCs	Carbon Tetrachloride	ug/m3	1.55	U	U
AIR-Q-8	8/28/2002	VOCs	Chlorodibromomethane	ug/m3	0.36	U	U
AIR-Q-8	8/28/2002	VOCs	Chloroethane	ug/m3	0.122	U	U
AIR-Q-8	8/28/2002	VOCs	Chloroform	ug/m3	0.406	U	U
AIR-Q-8	8/28/2002	VOCs	Chloromethane	ug/m3	0.76	J	J
AIR-Q-8	8/28/2002	VOCs	Dichloromethane	ug/m3	0.504	J	J
AIR-Q-8	8/28/2002	VOCs	Ethylbenzene	ug/m3	0.124	JB	U
AIR-Q-8	8/28/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.147	U	U
AIR-Q-8	8/28/2002	VOCs	p-Xylene/m-Xylene	ug/m3	0.69	U	U
AIR-Q-8	8/28/2002	VOCs	Tetrachloroethene	ug/m3	0.861	U	U
AIR-Q-8	8/28/2002	VOCs	Toluene	ug/m3	1.24	JB	J
AIR-Q-8	8/28/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.407	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-8	8/28/2002	VOCs	Trichloroethene	ug/m3	0.7	U	U
AIR-Q-8	8/28/2002	VOCs	Vinyl chloride	ug/m3	0.119	U	U
AIR-Q-5	8/28/2002	SVOCs	Acenaphthene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Acenaphthylene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Anthracene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Chrysene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Fluoranthene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Fluorene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.029	U	UJ
AIR-Q-5	8/28/2002	SVOCs	Naphthalene	ug/m3	0.16		
AIR-Q-5	8/28/2002	SVOCs	Phenanthrene	ug/m3	0.022	J	J
AIR-Q-5	8/28/2002	SVOCs	Pyrene	ug/m3	0.029	U	UJ
AIR-Q-8	8/28/2002	SVOCs	Naphthalene	ug/m3	0.017	J	J
AIR-Q-8	8/28/2002	SVOCs	Phenanthrene	ug/m3	0.015	J	J
AIR-Q-5	8/28/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-5	8/28/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0008		
AIR-Q-5	8/28/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-5	8/28/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-5	8/28/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-5	8/28/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-5	8/28/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-5	8/28/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-5	8/28/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0041		
AIR-Q-5	8/28/2002	PCBs	Trichlorobiphenyl	ug/m3	0.0041		
AIR-Q-8	8/28/2002	PCBs	Decachlorobiphenyl	ug/m3	0.002	U	U
AIR-Q-8	8/28/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-8	8/28/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-8	8/28/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-8	8/28/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-8	8/28/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.002	U	U
AIR-Q-8	8/28/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-8	8/28/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-8	8/28/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-8	8/28/2002	PCBs	Trichlorobiphenyl	ug/m3	0.0003	U	U

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AIR-Q-5	8/28/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-Q-5	8/28/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-Q-5	8/28/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-Q-5	8/28/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-Q-5	8/28/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	UJ
AIR-Q-5	8/28/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-Q-5	8/28/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-Q-5	8/28/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-Q-5	8/28/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	UJ
AIR-Q-5	8/28/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-Q-5	8/28/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	U
AIR-Q-5	8/28/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-Q-5	8/28/2002	Pesticides	gamma-Chlordane	ug/m3	0.000091	J	J
AIR-Q-5	8/28/2002	Pesticides	Heptachlor	ug/m3	0.0001	U	U
AIR-Q-5	8/28/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	U
AIR-Q-5	8/28/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-Q-5	8/28/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-Q-8	8/28/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-Q-8	8/28/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-Q-8	8/28/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-Q-8	8/28/2002	Pesticides	Aldrin	ug/m3	0.0002	U	U
AIR-Q-8	8/28/2002	Pesticides	alpha-Chlordane	ug/m3	0.0002	U	UJ
AIR-Q-8	8/28/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-Q-8	8/28/2002	Pesticides	Endosulfan I	ug/m3	0.0002	U	U
AIR-Q-8	8/28/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-Q-8	8/28/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	UJ
AIR-Q-8	8/28/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-Q-8	8/28/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	U
AIR-Q-8	8/28/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-Q-8	8/28/2002	Pesticides	gamma-Chlordane	ug/m3	0.0002	U	U
AIR-Q-8	8/28/2002	Pesticides	Heptachlor	ug/m3	0.000099	J	J
AIR-Q-8	8/28/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0002	U	U
AIR-Q-8	8/28/2002	Pesticides	Methoxychlor	ug/m3	0.002	U	U
AIR-Q-8	8/28/2002	Pesticides	Toxaphene	ug/m3	0.02	U	U
AIR-Q-5	8/28/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.28	J	J
AIR-Q-5	8/28/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.085	U	U
AIR-Q-5	8/28/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.062	U	U
AIR-Q-5	8/28/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.013	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-5	8/28/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.022	U	U
AIR-Q-5	8/28/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.02	U	U
AIR-Q-5	8/28/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.012	U	U
AIR-Q-5	8/28/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.02	U	U
AIR-Q-5	8/28/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.016	U	U
AIR-Q-5	8/28/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.011	U	U
AIR-Q-5	8/28/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.024	U	U
AIR-Q-5	8/28/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.014	U	U
AIR-Q-5	8/28/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.017	U	U
AIR-Q-5	8/28/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0091	U	UJ
AIR-Q-5	8/28/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.028	CON U	U
AIR-Q-5	8/28/2002	Dioxins	OCDD	pg/m3	1.97		
AIR-Q-5	8/28/2002	Dioxins	OCDF	pg/m3	0.15	U	U
AIR-Q-5	8/28/2002	Dioxins	Total HpCDD	pg/m3	0.618		
AIR-Q-5	8/28/2002	Dioxins	Total HpCDF	pg/m3	0.085	U	U
AIR-Q-5	8/28/2002	Dioxins	Total HxCDD	pg/m3	0.076	U	U
AIR-Q-5	8/28/2002	Dioxins	Total HxCDF	pg/m3	0.065	U	U
AIR-Q-5	8/28/2002	Dioxins	Total PeCDD	pg/m3	0.029	U	U
AIR-Q-5	8/28/2002	Dioxins	Total PeCDF	pg/m3	0.065	U	U
AIR-Q-5	8/28/2002	Dioxins	Total TCDD	pg/m3	0.016	U	UJ
AIR-Q-5	8/28/2002	Dioxins	Total TCDF	pg/m3	0.094		
AIR-Q-8	8/28/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.23	J	J
AIR-Q-8	8/28/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.062	U	U
AIR-Q-8	8/28/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.013	U	U
AIR-Q-8	8/28/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.0085	U	U
AIR-Q-8	8/28/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.021	U	U
AIR-Q-8	8/28/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.022	U	U
AIR-Q-8	8/28/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.012	U	U
AIR-Q-8	8/28/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.023	U	U
AIR-Q-8	8/28/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.0096	U	U
AIR-Q-8	8/28/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.011	U	U
AIR-Q-8	8/28/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.017	U	U
AIR-Q-8	8/28/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.009	U	U
AIR-Q-8	8/28/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.0076	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-8	8/28/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0051	U	UJ
AIR-Q-8	8/28/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.024	CON U	U
AIR-Q-8	8/28/2002	Dioxins	OCDD	pg/m3	1.75		
AIR-Q-8	8/28/2002	Dioxins	OCDF	pg/m3	0.1	U	U
AIR-Q-8	8/28/2002	Dioxins	Total HpCDD	pg/m3	0.508		
AIR-Q-8	8/28/2002	Dioxins	Total HpCDF	pg/m3	0.062	U	U
AIR-Q-8	8/28/2002	Dioxins	Total HxCDD	pg/m3	0.068	U	U
AIR-Q-8	8/28/2002	Dioxins	Total HxCDF	pg/m3	0.034	U	U
AIR-Q-8	8/28/2002	Dioxins	Total PeCDD	pg/m3	0.02	U	U
AIR-Q-8	8/28/2002	Dioxins	Total PeCDF	pg/m3	0.042	U	U
AIR-Q-8	8/28/2002	Dioxins	Total TCDD	pg/m3	0.0082	U	UJ
AIR-Q-8	8/28/2002	Dioxins	Total TCDF	pg/m3	0.071		
AIR-Q-5	8/28/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-Q-5	8/28/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-Q-5	8/28/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-Q-5	8/28/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-Q-5	8/28/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-Q-5	8/28/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-Q-5	8/28/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-Q-5	8/28/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-Q-5	8/28/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-Q-5	8/28/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-Q-5	8/28/2002	Metals	Iron	ug/m3	0.14	B	J
AIR-Q-5	8/28/2002	Metals	Lead	ug/m3	0.016	B	J
AIR-Q-5	8/28/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-Q-5	8/28/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-Q-5	8/28/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-Q-5	8/28/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-Q-5	8/28/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-Q-5	8/28/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-Q-5	8/28/2002	Metals	Sodium	ug/m3	2.1	U	U
AIR-Q-5	8/28/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-Q-5	8/28/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-Q-5	8/28/2002	Metals	Zinc	ug/m3	0.054	B	J
AIR-Q-8	8/28/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-Q-8	8/28/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-Q-8	8/28/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-Q-8	8/28/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-Q-8	8/28/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-Q-8	8/28/2002	Metals	Cadmium	ug/m3	0.02	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-8	8/28/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-Q-8	8/28/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-Q-8	8/28/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-Q-8	8/28/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-Q-8	8/28/2002	Metals	Iron	ug/m3	0.2	B	J
AIR-Q-8	8/28/2002	Metals	Lead	ug/m3	0.012	B	J
AIR-Q-8	8/28/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-Q-8	8/28/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-Q-8	8/28/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-Q-8	8/28/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-Q-8	8/28/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-Q-8	8/28/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-Q-8	8/28/2002	Metals	Sodium	ug/m3	2.1		U
AIR-Q-8	8/28/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-Q-8	8/28/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-Q-8	8/28/2002	Metals	Zinc	ug/m3	0.05	B	J
SITE R							
AIR-R-1	8/25/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.239	U	U
AIR-R-1	8/25/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.934	U	U
AIR-R-1	8/25/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.324	U	U
AIR-R-1	8/25/2002	VOCs	1,1-Dichloroethane	ug/m3	0.17	U	U
AIR-R-1	8/25/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.108	U	U
AIR-R-1	8/25/2002	VOCs	1,2-Dichloroethane	ug/m3	0.224	U	U
AIR-R-1	8/25/2002	VOCs	1,2-Dichloropropane	ug/m3	0.277	U	U
AIR-R-1	8/25/2002	VOCs	2-Butanone (MEK)	ug/m3	19	J	J
AIR-R-1	8/25/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	6.19	J	J
AIR-R-1	8/25/2002	VOCs	Acetone	ug/m3	10.1	JB	J
AIR-R-1	8/25/2002	VOCs	Benzene	ug/m3	1.35	J	J
AIR-R-1	8/25/2002	VOCs	Bromodichloromethane	ug/m3	0.3	U	U
AIR-R-1	8/25/2002	VOCs	Bromoform	ug/m3	0.288	U	U
AIR-R-1	8/25/2002	VOCs	Bromomethane	ug/m3	0.352	U	U
AIR-R-1	8/25/2002	VOCs	Carbon Tetrachloride	ug/m3	1.39	U	U
AIR-R-1	8/25/2002	VOCs	Chlorobenzene	ug/m3	0.437	JB	U
AIR-R-1	8/25/2002	VOCs	Chlorodibromomethane	ug/m3	0.32	U	U
AIR-R-1	8/25/2002	VOCs	Chloroethane	ug/m3	0.11	U	U
AIR-R-1	8/25/2002	VOCs	Chloroform	ug/m3	0.439	J	J
AIR-R-1	8/25/2002	VOCs	Chloromethane	ug/m3	0.818	J	J
AIR-R-1	8/25/2002	VOCs	Dichloromethane	ug/m3	0.465	J	J
AIR-R-1	8/25/2002	VOCs	Ethylbenzene	ug/m3	0.439	J	J
AIR-R-1	8/25/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.133	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-R-1	8/25/2002	VOCs	o-Xylene	ug/m3	0.495	J	J
AIR-R-1	8/25/2002	VOCs	p-Xylene/m-Xylene	ug/m3	1.29	J	J
AIR-R-1	8/25/2002	VOCs	Tetrachloroethene	ug/m3	0.773	U	U
AIR-R-1	8/25/2002	VOCs	Toluene	ug/m3	4.6	JB	J
AIR-R-1	8/25/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.366	U	U
AIR-R-1	8/25/2002	VOCs	Trichloroethene	ug/m3	0.634	U	U
AIR-R-1	8/25/2002	VOCs	Vinyl chloride	ug/m3	0.11	U	U
AIR-R-2	8/25/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.248	J	J
AIR-R-2	8/25/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.52	U	U
AIR-R-2	8/25/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.18	U	U
AIR-R-2	8/25/2002	VOCs	1,1-Dichloroethane	ug/m3	0.0943	U	U
AIR-R-2	8/25/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.0599	U	U
AIR-R-2	8/25/2002	VOCs	1,2-Dichloroethane	ug/m3	0.125	U	U
AIR-R-2	8/25/2002	VOCs	1,2-Dichloropropane	ug/m3	0.153	U	U
AIR-R-2	8/25/2002	VOCs	2-Butanone (MEK)	ug/m3	29.1		J
AIR-R-2	8/25/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	8.68	J	J
AIR-R-2	8/25/2002	VOCs	Acetone	ug/m3	12	JB	J
AIR-R-2	8/25/2002	VOCs	Benzene	ug/m3	2	J	J
AIR-R-2	8/25/2002	VOCs	Bromodichloromethane	ug/m3	0.149	U	U
AIR-R-2	8/25/2002	VOCs	Bromoform	ug/m3	0.16	U	U
AIR-R-2	8/25/2002	VOCs	Bromomethane	ug/m3	0.195	U	U
AIR-R-2	8/25/2002	VOCs	Carbon Tetrachloride	ug/m3	0.774	U	U
AIR-R-2	8/25/2002	VOCs	Chlorobenzene	ug/m3	0.192	JB	U
AIR-R-2	8/25/2002	VOCs	Chlorodibromomethane	ug/m3	0.18	U	U
AIR-R-2	8/25/2002	VOCs	Chloroethane	ug/m3	0.0612	U	U
AIR-R-2	8/25/2002	VOCs	Chloroform	ug/m3	0.466	J	J
AIR-R-2	8/25/2002	VOCs	Chloromethane	ug/m3	0.911	J	J
AIR-R-2	8/25/2002	VOCs	Dichloromethane	ug/m3	0.465	J	J
AIR-R-2	8/25/2002	VOCs	Ethylbenzene	ug/m3	0.504	J	J
AIR-R-2	8/25/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.0735	U	U
AIR-R-2	8/25/2002	VOCs	o-Xylene	ug/m3	0.591	J	J
AIR-R-2	8/25/2002	VOCs	p-Xylene/m-Xylene	ug/m3	1.59	J	J
AIR-R-2	8/25/2002	VOCs	Tetrachloroethene	ug/m3	0.431	U	U
AIR-R-2	8/25/2002	VOCs	Toluene	ug/m3	4.97	JB	J
AIR-R-2	8/25/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.203	U	U
AIR-R-2	8/25/2002	VOCs	Trichloroethene	ug/m3	0.351	U	U
AIR-R-2	8/25/2002	VOCs	Vinyl chloride	ug/m3	0.0596	U	U
AIR-R-3	8/25/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.253	U	U
AIR-R-3	8/25/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.989	U	U
AIR-R-3	8/25/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.342	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-R-3	8/25/2002	VOCs	1,1-Dichloroethane	ug/m3	0.179	U	U
AIR-R-3	8/25/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.114	U	U
AIR-R-3	8/25/2002	VOCs	1,2-Dichloroethane	ug/m3	0.237	U	U
AIR-R-3	8/25/2002	VOCs	1,2-Dichloropropane	ug/m3	0.293	U	U
AIR-R-3	8/25/2002	VOCs	2-Butanone (MEK)	ug/m3	2	JF	J
AIR-R-3	8/25/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	1.31	J	J
AIR-R-3	8/25/2002	VOCs	Acetone	ug/m3	14	JB	J
AIR-R-3	8/25/2002	VOCs	Benzene	ug/m3	7.8	J	J
AIR-R-3	8/25/2002	VOCs	Bromodichloromethane	ug/m3	0.283	U	U
AIR-R-3	8/25/2002	VOCs	Bromoform	ug/m3	0.304	U	U
AIR-R-3	8/25/2002	VOCs	Bromomethane	ug/m3	0.372	U	U
AIR-R-3	8/25/2002	VOCs	Carbon Tetrachloride	ug/m3	1.47	U	U
AIR-R-3	8/25/2002	VOCs	Chlorobenzene	ug/m3	0.19	U	U
AIR-R-3	8/25/2002	VOCs	Chlorodibromomethane	ug/m3	0.342	U	U
AIR-R-3	8/25/2002	VOCs	Chloroethane	ug/m3	0.117	U	U
AIR-R-3	8/25/2002	VOCs	Chloroform	ug/m3	0.698	J	J
AIR-R-3	8/25/2002	VOCs	Chloromethane	ug/m3	0.954	J	J
AIR-R-3	8/25/2002	VOCs	Dichloromethane	ug/m3	1.04	J	J
AIR-R-3	8/25/2002	VOCs	Ethylbenzene	ug/m3	2.9	J	J
AIR-R-3	8/25/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.671	J	J
AIR-R-3	8/25/2002	VOCs	o-Xylene	ug/m3	3.55	J	J
AIR-R-3	8/25/2002	VOCs	p-Xylene/m-Xylene	ug/m3	9.77	J	J
AIR-R-3	8/25/2002	VOCs	Styrene (Monomer)	ug/m3	0.588	J	J
AIR-R-3	8/25/2002	VOCs	Tetrachloroethene	ug/m3	0.821	U	U
AIR-R-3	8/25/2002	VOCs	Toluene	ug/m3	25.9	JB	J
AIR-R-3	8/25/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.387	U	U
AIR-R-3	8/25/2002	VOCs	Trichloroethene	ug/m3	0.666	U	U
AIR-R-3	8/25/2002	VOCs	Vinyl chloride	ug/m3	0.113	U	U
AIR-R-4	8/25/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.24	U	U
AIR-R-4	8/25/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.941	U	U
AIR-R-4	8/25/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.324	U	U
AIR-R-4	8/25/2002	VOCs	1,1-Dichloroethane	ug/m3	0.17	U	U
AIR-R-4	8/25/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.109	U	U
AIR-R-4	8/25/2002	VOCs	1,2-Dichloroethane	ug/m3	0.225	U	U
AIR-R-4	8/25/2002	VOCs	1,2-Dichloropropane	ug/m3	0.3	U	U
AIR-R-4	8/25/2002	VOCs	2-Butanone (MEK)	ug/m3	9.08	J	J
AIR-R-4	8/25/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	1.18	J	J
AIR-R-4	8/25/2002	VOCs	Acetone	ug/m3	25.9	B	J
AIR-R-4	8/25/2002	VOCs	Benzene	ug/m3	3.77	J	J
AIR-R-4	8/25/2002	VOCs	Bromodichloromethane	ug/m3	0.269	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-R-4	8/25/2002	VOCs	Bromoform	ug/m3	0.288	U	U
AIR-R-4	8/25/2002	VOCs	Bromomethane	ug/m3	0.353	U	U
AIR-R-4	8/25/2002	VOCs	Carbon Tetrachloride	ug/m3	1.4	U	U
AIR-R-4	8/25/2002	VOCs	Chlorobenzene	ug/m3	0.36	JB	U
AIR-R-4	8/25/2002	VOCs	Chlorodibromomethane	ug/m3	0.325	U	U
AIR-R-4	8/25/2002	VOCs	Chloroethane	ug/m3	0.111	U	U
AIR-R-4	8/25/2002	VOCs	Chloroform	ug/m3	0.557	J	J
AIR-R-4	8/25/2002	VOCs	Chloromethane	ug/m3	0.964	J	J
AIR-R-4	8/25/2002	VOCs	Dichloromethane	ug/m3	1.33	J	J
AIR-R-4	8/25/2002	VOCs	Ethylbenzene	ug/m3	0.599	J	J
AIR-R-4	8/25/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.133	U	U
AIR-R-4	8/25/2002	VOCs	o-Xylene	ug/m3	0.669	J	J
AIR-R-4	8/25/2002	VOCs	p-Xylene/m-Xylene	ug/m3	1.79	J	J
AIR-R-4	8/25/2002	VOCs	Styrene (Monomer)	ug/m3	0.494	J	J
AIR-R-4	8/25/2002	VOCs	Tetrachloroethene	ug/m3	0.336		
AIR-R-4	8/25/2002	VOCs	Toluene	ug/m3	6.07	JB	J
AIR-R-4	8/25/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.37	U	U
AIR-R-4	8/25/2002	VOCs	Trichloroethene	ug/m3	0.634		
AIR-R-4	8/25/2002	VOCs	Vinyl chloride	ug/m3	0.108	U	U
AIR-R-4-DUP	8/25/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.232	U	U
AIR-R-4-DUP	8/25/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.913	U	U
AIR-R-4-DUP	8/25/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.314	U	U
AIR-R-4-DUP	8/25/2002	VOCs	1,1-Dichloroethane	ug/m3	0.165	U	U
AIR-R-4-DUP	8/25/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.105	U	U
AIR-R-4-DUP	8/25/2002	VOCs	1,2-Dichloroethane	ug/m3	0.218	U	U
AIR-R-4-DUP	8/25/2002	VOCs	1,2-Dichloropropane	ug/m3	0.269	U	U
AIR-R-4-DUP	8/25/2002	VOCs	2-Butanone (MEK)	ug/m3	3.89	J	J
AIR-R-4-DUP	8/25/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.631	J	J
AIR-R-4-DUP	8/25/2002	VOCs	Acetone	ug/m3	10.9	JB	J
AIR-R-4-DUP	8/25/2002	VOCs	Benzene	ug/m3	3.58	J	J
AIR-R-4-DUP	8/25/2002	VOCs	Bromodichloromethane	ug/m3	0.261	U	U
AIR-R-4-DUP	8/25/2002	VOCs	Bromoform	ug/m3	0.28	U	U
AIR-R-4-DUP	8/25/2002	VOCs	Bromomethane	ug/m3	0.342	U	U
AIR-R-4-DUP	8/25/2002	VOCs	Carbon Tetrachloride	ug/m3	1.35	U	U
AIR-R-4-DUP	8/25/2002	VOCs	Chlorobenzene	ug/m3	0.174	UJB	UJ
AIR-R-4-DUP	8/25/2002	VOCs	Chlorodibromomethane	ug/m3	0.32	U	U
AIR-R-4-DUP	8/25/2002	VOCs	Chloroethane	ug/m3	0.107	U	U
AIR-R-4-DUP	8/25/2002	VOCs	Chloroform	ug/m3	0.436	J	J
AIR-R-4-DUP	8/25/2002	VOCs	Chloromethane	ug/m3	0.869	J	J
AIR-R-4-DUP	8/25/2002	VOCs	Dichloromethane	ug/m3	0.94	J	J

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-R-4-DUP	8/25/2002	VOCs	Ethylbenzene	ug/m3	0.482	J	J
AIR-R-4-DUP	8/25/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.129	U	U
AIR-R-4-DUP	8/25/2002	VOCs	o-Xylene	ug/m3	0.551	J	J
AIR-R-4-DUP	8/25/2002	VOCs	p-Xylene/m-Xylene	ug/m3	1.38	J	J
AIR-R-4-DUP	8/25/2002	VOCs	Tetrachloroethene	ug/m3	0.753	U	U
AIR-R-4-DUP	8/25/2002	VOCs	Toluene	ug/m3	5.16	JB	J
AIR-R-4-DUP	8/25/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.356	U	U
AIR-R-4-DUP	8/25/2002	VOCs	Trichloroethene	ug/m3	0.613	U	U
AIR-R-4-DUP	8/25/2002	VOCs	Vinyl chloride	ug/m3	0.104	U	U
AIR-R-1	8/25/2002	SVOCs	Acenaphthene	ug/m3	0.018	J	J
AIR-R-1	8/25/2002	SVOCs	Acenaphthylene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Anthracene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Chrysene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Fluoranthene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Fluorene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.03	U	UJ
AIR-R-1	8/25/2002	SVOCs	Naphthalene	ug/m3	0.036		J
AIR-R-1	8/25/2002	SVOCs	Phenanthrene	ug/m3	0.045		J
AIR-R-1	8/25/2002	SVOCs	Pyrene	ug/m3	0.03	U	UJ
AIR-R-2	8/25/2002	SVOCs	Acenaphthene	ug/m3	0.03	J	J
AIR-R-2	8/25/2002	SVOCs	Fluoranthene	ug/m3	0.027	J	J
AIR-R-2	8/25/2002	SVOCs	Fluorene	ug/m3	0.02	J	J
AIR-R-2	8/25/2002	SVOCs	Naphthalene	ug/m3	0.041		J
AIR-R-2	8/25/2002	SVOCs	Phenanthrene	ug/m3	0.11		J
AIR-R-3	8/25/2002	SVOCs	Acenaphthene	ug/m3	0.04		J
AIR-R-3	8/25/2002	SVOCs	Acenaphthylene	ug/m3	0.033	U	UJ
AIR-R-3	8/25/2002	SVOCs	Anthracene	ug/m3	0.033	U	UJ
AIR-R-3	8/25/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.033	U	UJ
AIR-R-3	8/25/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.033	U	UJ
AIR-R-3	8/25/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.033	U	UJ
AIR-R-3	8/25/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.033	U	UJ
AIR-R-3	8/25/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.033	U	UJ
AIR-R-3	8/25/2002	SVOCs	Chrysene	ug/m3	0.033	U	UJ
AIR-R-3	8/25/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.033	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-R-3	8/25/2002	SVOCs	Fluoranthene	ug/m3	0.033	U	UJ
AIR-R-3	8/25/2002	SVOCs	Fluorene	ug/m3	0.027	J	J
AIR-R-3	8/25/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.033	U	UJ
AIR-R-3	8/25/2002	SVOCs	Naphthalene	ug/m3	0.22		J
AIR-R-3	8/25/2002	SVOCs	Phenanthrene	ug/m3	0.063		J
AIR-R-3	8/25/2002	SVOCs	Pyrene	ug/m3	0.033	U	UJ
AIR-R-4	8/25/2002	SVOCs	Acenaphthene	ug/m3	0.018	J	J
AIR-R-4	8/25/2002	SVOCs	Acenaphthylene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Anthracene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Chrysene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Fluoranthene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Fluorene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.031	U	UJ
AIR-R-4	8/25/2002	SVOCs	Naphthalene	ug/m3	0.11		J
AIR-R-4	8/25/2002	SVOCs	Phenanthrene	ug/m3	0.04		J
AIR-R-4	8/25/2002	SVOCs	Pyrene	ug/m3	0.031	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Acenaphthene	ug/m3	0.038		J
AIR-R-4-DUP	8/25/2002	SVOCs	Acenaphthylene	ug/m3	0.029	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Anthracene	ug/m3	0.061		J
AIR-R-4-DUP	8/25/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.029	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.029	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.029	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.029	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.029	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Chrysene	ug/m3	0.029	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.029	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Fluoranthene	ug/m3	0.029	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Fluorene	ug/m3	0.027	J	J
AIR-R-4-DUP	8/25/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.029	U	UJ
AIR-R-4-DUP	8/25/2002	SVOCs	Naphthalene	ug/m3	0.17		J
AIR-R-4-DUP	8/25/2002	SVOCs	Phenanthrene	ug/m3	0.064		J
AIR-R-4-DUP	8/25/2002	SVOCs	Pyrene	ug/m3	0.029	U	UJ
AIR-R-1	8/25/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-R-1	8/25/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-R-1	8/25/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-R-1	8/25/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-R-1	8/25/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-R-1	8/25/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-R-1	8/25/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	PCBs	Trichlorobiphenyl	ug/m3	0.00098		
AIR-R-2	8/25/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-R-2	8/25/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-R-2	8/25/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-R-2	8/25/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-2	8/25/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-R-2	8/25/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-R-2	8/25/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-R-2	8/25/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-2	8/25/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0025		
AIR-R-2	8/25/2002	PCBs	Trichlorobiphenyl	ug/m3	0.0017		
AIR-R-3	8/25/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-R-3	8/25/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-R-3	8/25/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-R-3	8/25/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-3	8/25/2002	PCBs	Monochlorobiphenyl	ug/m3	0.001		
AIR-R-3	8/25/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-R-3	8/25/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-R-3	8/25/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-3	8/25/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-3	8/25/2002	PCBs	Trichlorobiphenyl	ug/m3	0.001		
AIR-R-4	8/25/2002	PCBs	Decachlorobiphenyl	ug/m3	0.002	U	U
AIR-R-4	8/25/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-R-4	8/25/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-R-4	8/25/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-4	8/25/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-R-4	8/25/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.002	U	U
AIR-R-4	8/25/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-R-4	8/25/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-4	8/25/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-4	8/25/2002	PCBs	Trichlorobiphenyl	ug/m3	0.0002	J	J
AIR-R-4-DUP	8/25/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-R-4-DUP	8/25/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-R-4-DUP	8/25/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-R-4-DUP	8/25/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-4-DUP	8/25/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-R-4-DUP	8/25/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-R-4-DUP	8/25/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-R-4-DUP	8/25/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-R-4-DUP	8/25/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0011		
AIR-R-4-DUP	8/25/2002	PCBs	Trichlorobiphenyl	ug/m3	0.00047		
AIR-R-1	8/25/2002	Pesticides	4,4'-DDD	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	Pesticides	4,4'-DDE	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	Pesticides	4,4'-DDT	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	Pesticides	Aldrin	ug/m3	0.0003	U	U
AIR-R-1	8/25/2002	Pesticides	alpha-Chlordane	ug/m3	0.0003	U	U
AIR-R-1	8/25/2002	Pesticides	beta-BHC	ug/m3	0.0003	U	U
AIR-R-1	8/25/2002	Pesticides	Dieldrin	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	Pesticides	Endosulfan I	ug/m3	0.0003	U	U
AIR-R-1	8/25/2002	Pesticides	Endosulfan II	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	Pesticides	Endrin	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	Pesticides	Endrin Ketone	ug/m3	0.0006	U	U
AIR-R-1	8/25/2002	Pesticides	gamma-BHC (Lindane)	ug/m3	0.0003	U	U
AIR-R-1	8/25/2002	Pesticides	gamma-Chlordane	ug/m3	0.0003	U	UJ
AIR-R-1	8/25/2002	Pesticides	Heptachlor	ug/m3	0.0003	U	U
AIR-R-1	8/25/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0003	U	U
AIR-R-1	8/25/2002	Pesticides	Methoxychlor	ug/m3	0.003	U	U
AIR-R-1	8/25/2002	Pesticides	Toxaphene	ug/m3	0.03	U	U
AIR-R-2	8/25/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-R-2	8/25/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	UJ
AIR-R-2	8/25/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	UJ
AIR-R-2	8/25/2002	Pesticides	Aldrin	ug/m3	0.0001	U	UJ
AIR-R-2	8/25/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	UJ
AIR-R-2	8/25/2002	Pesticides	beta-BHC	ug/m3	0.0001	U	UJ
AIR-R-2	8/25/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	UJ
AIR-R-2	8/25/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	UJ
AIR-R-2	8/25/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	UJ
AIR-R-2	8/25/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	UJ
AIR-R-2	8/25/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-R-2	8/25/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	UJ
AIR-R-2	8/25/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-R-2	8/25/2002	Pesticides	gamma-BHC (Lindane)	ug/m3	0.0001	U	UJ
AIR-R-2	8/25/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	UJ
AIR-R-2	8/25/2002	Pesticides	Heptachlor	ug/m3	0.0001	U	UJ
AIR-R-2	8/25/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	UJ
AIR-R-2	8/25/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	UJ
AIR-R-2	8/25/2002	Pesticides	Toxaphene	ug/m3	0.01	U	UJ
AIR-R-3	8/25/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	U
AIR-R-3	8/25/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-R-3	8/25/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-R-3	8/25/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-R-3	8/25/2002	Pesticides	alpha-BHC	ug/m3	0.00009	JP	J
AIR-R-3	8/25/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	U
AIR-R-3	8/25/2002	Pesticides	beta-BHC	ug/m3	0.000082	JP	J
AIR-R-3	8/25/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-R-3	8/25/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-R-3	8/25/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-R-3	8/25/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	U
AIR-R-3	8/25/2002	Pesticides	Endrin	ug/m3	0.0003	U	U
AIR-R-3	8/25/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	U
AIR-R-3	8/25/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-R-3	8/25/2002	Pesticides	gamma-BHC (Lindane)	ug/m3	0.0001	U	U
AIR-R-3	8/25/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	U
AIR-R-3	8/25/2002	Pesticides	Heptachlor	ug/m3	0.0001	JP	J
AIR-R-3	8/25/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	U
AIR-R-3	8/25/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-R-3	8/25/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-R-4	8/25/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-R-4	8/25/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	UJ
AIR-R-4	8/25/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	UJ
AIR-R-4	8/25/2002	Pesticides	Aldrin	ug/m3	0.0002	U	UJ
AIR-R-4	8/25/2002	Pesticides	alpha-Chlordane	ug/m3	0.0002	U	UJ
AIR-R-4	8/25/2002	Pesticides	beta-BHC	ug/m3	0.0002	U	UJ
AIR-R-4	8/25/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	UJ
AIR-R-4	8/25/2002	Pesticides	Endosulfan I	ug/m3	0.0002	U	UJ
AIR-R-4	8/25/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	UJ
AIR-R-4	8/25/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	UJ
AIR-R-4	8/25/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-R-4	8/25/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	UJ
AIR-R-4	8/25/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	UJ
AIR-R-4	8/25/2002	Pesticides	gamma-BHC (Lindane)	ug/m3	0.0002	U	UJ

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AIR-R-4	8/25/2002	Pesticides	gamma-Chlordane	ug/m3	0.0002	U	UJ
AIR-R-4	8/25/2002	Pesticides	Heptachlor	ug/m3	0.000084	JP	J
AIR-R-4	8/25/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0002	U	UJ
AIR-R-4	8/25/2002	Pesticides	Methoxychlor	ug/m3	0.002	U	UJ
AIR-R-4	8/25/2002	Pesticides	Toxaphene	ug/m3	0.02	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Aldrin	ug/m3	0.0001	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	beta-BHC	ug/m3	0.0001	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	gamma-BHC (Lindane)	ug/m3	0.0001	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Heptachlor	ug/m3	0.0001	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	UJ
AIR-R-4-DUP	8/25/2002	Pesticides	Toxaphene	ug/m3	0.01	U	UJ
AIR-R-1	8/25/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.297		
AIR-R-1	8/25/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.12	U	U
AIR-R-1	8/25/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.022	U	U
AIR-R-1	8/25/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.012	U	UJ
AIR-R-1	8/25/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.039	U	U
AIR-R-1	8/25/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.027	U	U
AIR-R-1	8/25/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.027	U	U
AIR-R-1	8/25/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.039	U	U
AIR-R-1	8/25/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.0083	U	U
AIR-R-1	8/25/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.012	U	U
AIR-R-1	8/25/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.018	U	U
AIR-R-1	8/25/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.026	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-R-1	8/25/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.026	U	U
AIR-R-1	8/25/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0045	U	UJ
AIR-R-1	8/25/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.065		
AIR-R-1	8/25/2002	Dioxins	OCDD	pg/m3	1.42		
AIR-R-1	8/25/2002	Dioxins	OCDF	pg/m3	0.095	U	U
AIR-R-1	8/25/2002	Dioxins	Total HpCDD	pg/m3	0.682		
AIR-R-1	8/25/2002	Dioxins	Total HpCDF	pg/m3	0.12	U	U
AIR-R-1	8/25/2002	Dioxins	Total HxCDD	pg/m3	0.11	U	U
AIR-R-1	8/25/2002	Dioxins	Total HxCDF	pg/m3	0.1	U	U
AIR-R-1	8/25/2002	Dioxins	Total PeCDD	pg/m3	0.033	U	U
AIR-R-1	8/25/2002	Dioxins	Total PeCDF	pg/m3	0.08	U	U
AIR-R-1	8/25/2002	Dioxins	Total TCDD	pg/m3	0.017	U	UJ
AIR-R-1	8/25/2002	Dioxins	Total TCDF	pg/m3	0.065		
AIR-R-2	8/25/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.297		
AIR-R-2	8/25/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.12	U	U
AIR-R-2	8/25/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.023	U	U
AIR-R-2	8/25/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.019	U	UJ
AIR-R-2	8/25/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.036	U	U
AIR-R-2	8/25/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.027	U	U
AIR-R-2	8/25/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.014	U	U
AIR-R-2	8/25/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.03	U	U
AIR-R-2	8/25/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.0098	U	U
AIR-R-2	8/25/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.0083	U	U
AIR-R-2	8/25/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.018	U	U
AIR-R-2	8/25/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.023	U	U
AIR-R-2	8/25/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.0098	U	U
AIR-R-2	8/25/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.005	U	UJ
AIR-R-2	8/25/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.029	CON U	U
AIR-R-2	8/25/2002	Dioxins	OCDD	pg/m3	1.16		
AIR-R-2	8/25/2002	Dioxins	OCDF	pg/m3	0.065	U	U
AIR-R-2	8/25/2002	Dioxins	Total HpCDD	pg/m3	0.712		
AIR-R-2	8/25/2002	Dioxins	Total HpCDF	pg/m3	0.12	U	U
AIR-R-2	8/25/2002	Dioxins	Total HxCDD	pg/m3	0.1	U	U
AIR-R-2	8/25/2002	Dioxins	Total HxCDF	pg/m3	0.092	U	U
AIR-R-2	8/25/2002	Dioxins	Total PeCDD	pg/m3	0.027	U	U
AIR-R-2	8/25/2002	Dioxins	Total PeCDF	pg/m3	0.056	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-R-2	8/25/2002	Dioxins	Total TCDD	pg/m3	0.014	U	UJ
AIR-R-2	8/25/2002	Dioxins	Total TCDF	pg/m3	0.11		
AIR-R-3	8/25/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.326		
AIR-R-3	8/25/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.11	U	U
AIR-R-3	8/25/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.019	U	U
AIR-R-3	8/25/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.018	U	U
AIR-R-3	8/25/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.036	U	U
AIR-R-3	8/25/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.028	U	U
AIR-R-3	8/25/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.016	U	U
AIR-R-3	8/25/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.039	U	U
AIR-R-3	8/25/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.02	U	U
AIR-R-3	8/25/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.012	U	U
AIR-R-3	8/25/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.03	U	U
AIR-R-3	8/25/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.019	U	U
AIR-R-3	8/25/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.012	U	U
AIR-R-3	8/25/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.011	U	UJ
AIR-R-3	8/25/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.023	CON U	U
AIR-R-3	8/25/2002	Dioxins	OCDD	pg/m3	1.19		
AIR-R-3	8/25/2002	Dioxins	OCDF	pg/m3	0.08	U	U
AIR-R-3	8/25/2002	Dioxins	Total HpCDD	pg/m3	0.712		
AIR-R-3	8/25/2002	Dioxins	Total HpCDF	pg/m3	0.11	U	U
AIR-R-3	8/25/2002	Dioxins	Total HxCDD	pg/m3	0.11	U	U
AIR-R-3	8/25/2002	Dioxins	Total HxCDF	pg/m3	0.068	U	U
AIR-R-3	8/25/2002	Dioxins	Total PeCDD	pg/m3	0.03	U	U
AIR-R-3	8/25/2002	Dioxins	Total PeCDF	pg/m3	0.05	U	U
AIR-R-3	8/25/2002	Dioxins	Total TCDD	pg/m3	0.015	U	UJ
AIR-R-3	8/25/2002	Dioxins	Total TCDF	pg/m3	0.039		
AIR-R-4	8/25/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.27	J	J
AIR-R-4	8/25/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.094	U	U
AIR-R-4	8/25/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.036	U	U
AIR-R-4	8/25/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.012	U	U
AIR-R-4	8/25/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.03	U	U
AIR-R-4	8/25/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.024	U	U
AIR-R-4	8/25/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.014	U	U

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AIR-R-4	8/25/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.027	U	U
AIR-R-4	8/25/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.018	U	U
AIR-R-4	8/25/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.011	U	U
AIR-R-4	8/25/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.018	U	U
AIR-R-4	8/25/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.016	U	U
AIR-R-4	8/25/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.012	U	U
AIR-R-4	8/25/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.008	U	UJ
AIR-R-4	8/25/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.027	CON U	U
AIR-R-4	8/25/2002	Dioxins	OCDD	pg/m3	1.11		
AIR-R-4	8/25/2002	Dioxins	OCDF	pg/m3	0.072	U	U
AIR-R-4	8/25/2002	Dioxins	Total HpCDD	pg/m3	0.637		
AIR-R-4	8/25/2002	Dioxins	Total HpCDF	pg/m3	0.094	U	U
AIR-R-4	8/25/2002	Dioxins	Total HxCDD	pg/m3	0.1	U	U
AIR-R-4	8/25/2002	Dioxins	Total HxCDF	pg/m3	0.078	U	U
AIR-R-4	8/25/2002	Dioxins	Total PeCDD	pg/m3	0.039	U	U
AIR-R-4	8/25/2002	Dioxins	Total PeCDF	pg/m3	0.083	U	U
AIR-R-4	8/25/2002	Dioxins	Total TCDD	pg/m3	0.028		J
AIR-R-4	8/25/2002	Dioxins	Total TCDF	pg/m3	0.12		
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.29	J	J
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.11	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.035	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.015	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.035	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.028	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.016	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.032	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.016	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.014	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.018	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.016	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.013	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0079	U	UJ
AIR-R-4-DUP	8/25/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.021	CON U	U
AIR-R-4-DUP	8/25/2002	Dioxins	OCDD	pg/m3	1.24		
AIR-R-4-DUP	8/25/2002	Dioxins	OCDF	pg/m3	0.088	U	U

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AIR-R-4-DUP	8/25/2002	Dioxins	Total HpCDD	pg/m3	0.676		
AIR-R-4-DUP	8/25/2002	Dioxins	Total HpCDF	pg/m3	0.11	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	Total HxCDD	pg/m3	0.11	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	Total HxCDF	pg/m3	0.059	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	Total PeCDD	pg/m3	0.029	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	Total PeCDF	pg/m3	0.053	U	U
AIR-R-4-DUP	8/25/2002	Dioxins	Total TCDD	pg/m3	0.016	U	UJ
AIR-R-4-DUP	8/25/2002	Dioxins	Total TCDF	pg/m3	0.044		
AIR-R-1	8/25/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-R-1	8/25/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-R-1	8/25/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-R-1	8/25/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-R-1	8/25/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-R-1	8/25/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-R-1	8/25/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-R-1	8/25/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-R-1	8/25/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-R-1	8/25/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-R-1	8/25/2002	Metals	Iron	ug/m3	0.12	B	J
AIR-R-1	8/25/2002	Metals	Lead	ug/m3	0.02	U	U
AIR-R-1	8/25/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-R-1	8/25/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-R-1	8/25/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-R-1	8/25/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-R-1	8/25/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-R-1	8/25/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-R-1	8/25/2002	Metals	Sodium	ug/m3	1.2	B	J
AIR-R-1	8/25/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-R-1	8/25/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-R-1	8/25/2002	Metals	Zinc	ug/m3	0.08	U	U
AIR-R-2	8/25/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-R-2	8/25/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-R-2	8/25/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-R-2	8/25/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-R-2	8/25/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-R-2	8/25/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-R-2	8/25/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-R-2	8/25/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-R-2	8/25/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-R-2	8/25/2002	Metals	Copper	ug/m3	0.05	B	J

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AIR-R-2	8/25/2002	Metals	Iron	ug/m3	2.7		
AIR-R-2	8/25/2002	Metals	Lead	ug/m3	0.012	B	J
AIR-R-2	8/25/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-R-2	8/25/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-R-2	8/25/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-R-2	8/25/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-R-2	8/25/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-R-2	8/25/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-R-2	8/25/2002	Metals	Sodium	ug/m3	2.1	U	U
AIR-R-2	8/25/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-R-2	8/25/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-R-2	8/25/2002	Metals	Zinc	ug/m3	0.08	U	U
AIR-R-3	8/25/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-R-3	8/25/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-R-3	8/25/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-R-3	8/25/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-R-3	8/25/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-R-3	8/25/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-R-3	8/25/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-R-3	8/25/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-R-3	8/25/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-R-3	8/25/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-R-3	8/25/2002	Metals	Iron	ug/m3	0.1	B	J
AIR-R-3	8/25/2002	Metals	Lead	ug/m3	0.02	U	U
AIR-R-3	8/25/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-R-3	8/25/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-R-3	8/25/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-R-3	8/25/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-R-3	8/25/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-R-3	8/25/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-R-3	8/25/2002	Metals	Sodium	ug/m3	2.1	U	U
AIR-R-3	8/25/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-R-3	8/25/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-R-3	8/25/2002	Metals	Zinc	ug/m3	0.08	U	U
OFFSITE/UPGRADIENT							
AIR-Q-6	8/28/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.557	U	U
AIR-Q-6	8/28/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	2.18	U	U
AIR-Q-6	8/28/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.753	U	U
AIR-Q-6	8/28/2002	VOCs	1,1-Dichloroethane	ug/m3	0.394	U	U
AIR-Q-6	8/28/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.251	U	U

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AIR-Q-6	8/28/2002	VOCs	1,2-Dichloroethane	ug/m3	0.522	U	U
AIR-Q-6	8/28/2002	VOCs	1,2-Dichloropropane	ug/m3	0.642	U	U
AIR-Q-6	8/28/2002	VOCs	2-Butanone (MEK)	ug/m3	2.14	J	J
AIR-Q-6	8/28/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.717	U	U
AIR-Q-6	8/28/2002	VOCs	Acetone	ug/m3	14.4	J	J
AIR-Q-6	8/28/2002	VOCs	Benzene	ug/m3	1.01	J	J
AIR-Q-6	8/28/2002	VOCs	Bromodichloromethane	ug/m3	0.624	U	U
AIR-Q-6	8/28/2002	VOCs	Bromoform	ug/m3	0.67	U	U
AIR-Q-6	8/28/2002	VOCs	Bromomethane	ug/m3	0.819	U	U
AIR-Q-6	8/28/2002	VOCs	Carbon Tetrachloride	ug/m3	3.24	U	U
AIR-Q-6	8/28/2002	VOCs	Chlorobenzene	ug/m3	0.418	U	U
AIR-Q-6	8/28/2002	VOCs	Chlorodibromomethane	ug/m3	0.754	U	U
AIR-Q-6	8/28/2002	VOCs	Chloroethane	ug/m3	0.256	U	U
AIR-Q-6	8/28/2002	VOCs	Chloroform	ug/m3	0.85	U	U
AIR-Q-6	8/28/2002	VOCs	Chloromethane	ug/m3	0.892	J	J
AIR-Q-6	8/28/2002	VOCs	Dichloromethane	ug/m3	2.33	J	J
AIR-Q-6	8/28/2002	VOCs	Ethylbenzene	ug/m3	0.147	UJB	UJ
AIR-Q-6	8/28/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.308	U	U
AIR-Q-6	8/28/2002	VOCs	p-Xylene/m-Xylene	ug/m3	1.46	U	U
AIR-Q-6	8/28/2002	VOCs	Tetrachloroethene	ug/m3	1.8	U	U
AIR-Q-6	8/28/2002	VOCs	Toluene	ug/m3	2.1	JB	J
AIR-Q-6	8/28/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.853	U	U
AIR-Q-6	8/28/2002	VOCs	Trichloroethene	ug/m3	1.47	U	U
AIR-Q-6	8/28/2002	VOCs	Vinyl chloride	ug/m3	0.25	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.143	J	J
AIR-Q-6-DUP	8/28/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.518	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.179	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	1,1-Dichloroethane	ug/m3	0.0939	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.0599	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	1,2-Dichloroethane	ug/m3	0.177	J	J
AIR-Q-6-DUP	8/28/2002	VOCs	1,2-Dichloropropane	ug/m3	0.153	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	2-Butanone (MEK)	ug/m3	3.13	J	J
AIR-Q-6-DUP	8/28/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	1.1	J	J
AIR-Q-6-DUP	8/28/2002	VOCs	Acetone	ug/m3	11.2	J	J
AIR-Q-6-DUP	8/28/2002	VOCs	Benzene	ug/m3	0.674	J	J
AIR-Q-6-DUP	8/28/2002	VOCs	Bromodichloromethane	ug/m3	0.148	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	Bromoform	ug/m3	0.159	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	Bromomethane	ug/m3	0.195	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	Carbon Tetrachloride	ug/m3	0.768	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	Chlorobenzene	ug/m3	0.267	JB	J

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-6-DUP	8/28/2002	VOCs	Chlorodibromomethane	ug/m3	0.18	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	Chloroethane	ug/m3	0.061	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	Chloroform	ug/m3	0.202	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	Chloromethane	ug/m3	0.902	J	J
AIR-Q-6-DUP	8/28/2002	VOCs	Dichloromethane	ug/m3	0.618	J	J
AIR-Q-6-DUP	8/28/2002	VOCs	Ethylbenzene	ug/m3	0.221	JB	U
AIR-Q-6-DUP	8/28/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.0732	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	p-Xylene/m-Xylene	ug/m3	0.556	J	J
AIR-Q-6-DUP	8/28/2002	VOCs	Tetrachloroethene	ug/m3	0.429	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	Toluene	ug/m3	1.82	JB	J
AIR-Q-6-DUP	8/28/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.202	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	Trichloroethene	ug/m3	0.35	U	U
AIR-Q-6-DUP	8/28/2002	VOCs	Vinyl chloride	ug/m3	0.0593	U	U
AIR-Q-7	8/28/2002	VOCs	1,1,1-Trichloroethane	ug/m3	0.24	U	U
AIR-Q-7	8/28/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/m3	0.941	U	U
AIR-Q-7	8/28/2002	VOCs	1,1,2-Trichloroethane	ug/m3	0.324	U	U
AIR-Q-7	8/28/2002	VOCs	1,1-Dichloroethane	ug/m3	0.17	U	U
AIR-Q-7	8/28/2002	VOCs	1,1-Dichloroethylene	ug/m3	0.109	U	U
AIR-Q-7	8/28/2002	VOCs	1,2-Dichloroethane	ug/m3	0.225	U	U
AIR-Q-7	8/28/2002	VOCs	1,2-Dichloropropane	ug/m3	0.3	U	U
AIR-Q-7	8/28/2002	VOCs	2-Butanone (MEK)	ug/m3	1.08	J	J
AIR-Q-7	8/28/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/m3	0.333	J	J
AIR-Q-7	8/28/2002	VOCs	Acetone	ug/m3	9.05	J	J
AIR-Q-7	8/28/2002	VOCs	Benzene	ug/m3	0.6	J	J
AIR-Q-7	8/28/2002	VOCs	Bromodichloromethane	ug/m3	0.269	U	U
AIR-Q-7	8/28/2002	VOCs	Bromoform	ug/m3	0.288	U	U
AIR-Q-7	8/28/2002	VOCs	Bromomethane	ug/m3	0.353	U	U
AIR-Q-7	8/28/2002	VOCs	Carbon Tetrachloride	ug/m3	1.4	U	U
AIR-Q-7	8/28/2002	VOCs	Chlorodibromomethane	ug/m3	0.325	U	U
AIR-Q-7	8/28/2002	VOCs	Chloroethane	ug/m3	0.111	U	U
AIR-Q-7	8/28/2002	VOCs	Chloroform	ug/m3	0.367	U	U
AIR-Q-7	8/28/2002	VOCs	Chloromethane	ug/m3	0.781	J	J
AIR-Q-7	8/28/2002	VOCs	Dichloromethane	ug/m3	0.45	J	J
AIR-Q-7	8/28/2002	VOCs	Ethylbenzene	ug/m3	0.168	JB	U
AIR-Q-7	8/28/2002	VOCs	Methyl tert-butyl ether (MTBE)	ug/m3	0.133	U	U
AIR-Q-7	8/28/2002	VOCs	p-Xylene/m-Xylene	ug/m3	0.63	U	U
AIR-Q-7	8/28/2002	VOCs	Tetrachloroethene	ug/m3	0.78	U	U
AIR-Q-7	8/28/2002	VOCs	Toluene	ug/m3	1.34	JB	J
AIR-Q-7	8/28/2002	VOCs	trans-1,3-Dichloropropene	ug/m3	0.37	U	U
AIR-Q-7	8/28/2002	VOCs	Trichloroethene	ug/m3	0.634	U	U

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AIR-Q-7	8/28/2002	VOCs	Vinyl chloride	ug/m3	0.108	U	U
AIR-Q-6	8/28/2002	SVOCs	Acenaphthene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Acenaphthylene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Anthracene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Chrysene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Fluoranthene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Fluorene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.034	U	UJ
AIR-Q-6	8/28/2002	SVOCs	Naphthalene	ug/m3	0.067		J
AIR-Q-6	8/28/2002	SVOCs	Phenanthrene	ug/m3	0.033	J	J
AIR-Q-6	8/28/2002	SVOCs	Pyrene	ug/m3	0.034	U	UJ
AIR-Q-6-DUP	8/28/2002	SVOCs	Naphthalene	ug/m3	0.016	J	J
AIR-Q-7	8/28/2002	SVOCs	Acenaphthene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Acenaphthylene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Anthracene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Benzo(a)anthracene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Benzo(a)pyrene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Benzo(b)fluoranthene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Benzo(g,h,i)perylene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Benzo(k)fluoranthene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Chrysene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Dibenzo(a,h)anthracene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Fluoranthene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Fluorene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/m3	0.035	U	UJ
AIR-Q-7	8/28/2002	SVOCs	Naphthalene	ug/m3	0.064		J
AIR-Q-7	8/28/2002	SVOCs	Phenanthrene	ug/m3	0.02	J	J
AIR-Q-7	8/28/2002	SVOCs	Pyrene	ug/m3	0.035	U	UJ
AIR-Q-6	8/28/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-6	8/28/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-6	8/28/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0008	U	U
AIR-Q-6	8/28/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-6	8/28/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-6	8/28/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U

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AIR-Q-6	8/28/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0008	U	U
AIR-Q-6	8/28/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-6	8/28/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.00031	J	J
AIR-Q-6	8/28/2002	PCBs	Trichlorobiphenyl	ug/m3	0.00067		
AIR-Q-6-DUP	8/28/2002	PCBs	Decachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-6-DUP	8/28/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-6-DUP	8/28/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-6-DUP	8/28/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-6-DUP	8/28/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-6-DUP	8/28/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.001	U	U
AIR-Q-6-DUP	8/28/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-6-DUP	8/28/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-6-DUP	8/28/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.00075		
AIR-Q-6-DUP	8/28/2002	PCBs	Trichlorobiphenyl	ug/m3	0.00054		
AIR-Q-7	8/28/2002	PCBs	Decachlorobiphenyl	ug/m3	0.002	U	U
AIR-Q-7	8/28/2002	PCBs	Dichlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-7	8/28/2002	PCBs	Heptachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-7	8/28/2002	PCBs	Hexachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-7	8/28/2002	PCBs	Monochlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-7	8/28/2002	PCBs	Nonachlorobiphenyl	ug/m3	0.002	U	U
AIR-Q-7	8/28/2002	PCBs	Octachlorobiphenyl	ug/m3	0.0009	U	U
AIR-Q-7	8/28/2002	PCBs	Pentachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-7	8/28/2002	PCBs	Tetrachlorobiphenyl	ug/m3	0.0006	U	U
AIR-Q-7	8/28/2002	PCBs	Trichlorobiphenyl	ug/m3	0.0003	U	U
AIR-Q-6	8/28/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-Q-6	8/28/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-Q-6	8/28/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-Q-6	8/28/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-Q-6	8/28/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	JPB	U
AIR-Q-6	8/28/2002	Pesticides	beta-BHC	ug/m3	0.000092	JP	J
AIR-Q-6	8/28/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-Q-6	8/28/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-Q-6	8/28/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-Q-6	8/28/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	UJ
AIR-Q-6	8/28/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-Q-6	8/28/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0002	J	J
AIR-Q-6	8/28/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-Q-6	8/28/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	U
AIR-Q-6	8/28/2002	Pesticides	Heptachlor	ug/m3	0.0001	U	U
AIR-Q-6	8/28/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	U

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AIR-Q-6	8/28/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-Q-6	8/28/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-Q-6-DUP	8/28/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	Aldrin	ug/m3	0.0001	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	alpha-Chlordane	ug/m3	0.0001	U	UJ
AIR-Q-6-DUP	8/28/2002	Pesticides	beta-BHC	ug/m3	0.00013	JP	J
AIR-Q-6-DUP	8/28/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	Endosulfan I	ug/m3	0.0001	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	UJ
AIR-Q-6-DUP	8/28/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-Q-6-DUP	8/28/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	gamma-Chlordane	ug/m3	0.0001	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	Heptachlor	ug/m3	0.0001	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0001	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	Methoxychlor	ug/m3	0.001	U	U
AIR-Q-6-DUP	8/28/2002	Pesticides	Toxaphene	ug/m3	0.01	U	U
AIR-Q-7	8/28/2002	Pesticides	4,4'-DDD	ug/m3	0.0003	U	UJ
AIR-Q-7	8/28/2002	Pesticides	4,4'-DDE	ug/m3	0.0003	U	U
AIR-Q-7	8/28/2002	Pesticides	4,4'-DDT	ug/m3	0.0003	U	U
AIR-Q-7	8/28/2002	Pesticides	Aldrin	ug/m3	0.0002	U	U
AIR-Q-7	8/28/2002	Pesticides	alpha-Chlordane	ug/m3	0.0002	U	UJ
AIR-Q-7	8/28/2002	Pesticides	Dieldrin	ug/m3	0.0003	U	U
AIR-Q-7	8/28/2002	Pesticides	Endosulfan I	ug/m3	0.0002	U	U
AIR-Q-7	8/28/2002	Pesticides	Endosulfan II	ug/m3	0.0003	U	U
AIR-Q-7	8/28/2002	Pesticides	Endosulfan Sulfate	ug/m3	0.0003	U	UJ
AIR-Q-7	8/28/2002	Pesticides	Endrin	ug/m3	0.0003	U	UJ
AIR-Q-7	8/28/2002	Pesticides	Endrin Aldehyde	ug/m3	0.0003	U	U
AIR-Q-7	8/28/2002	Pesticides	Endrin Ketone	ug/m3	0.0003	U	U
AIR-Q-7	8/28/2002	Pesticides	gamma-Chlordane	ug/m3	0.0002	U	U
AIR-Q-7	8/28/2002	Pesticides	Heptachlor	ug/m3	0.000088	JP	J
AIR-Q-7	8/28/2002	Pesticides	Heptachlor Epoxide	ug/m3	0.0002	U	U
AIR-Q-7	8/28/2002	Pesticides	Methoxychlor	ug/m3	0.002	U	U
AIR-Q-7	8/28/2002	Pesticides	Toxaphene	ug/m3	0.02	U	U
AIR-Q-6	8/28/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.499		
AIR-Q-6	8/28/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.11	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-6	8/28/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.044	U	U
AIR-Q-6	8/28/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.012	U	U
AIR-Q-6	8/28/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.027	U	U
AIR-Q-6	8/28/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.028	U	U
AIR-Q-6	8/28/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.011	U	U
AIR-Q-6	8/28/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.029	U	U
AIR-Q-6	8/28/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.014	U	U
AIR-Q-6	8/28/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.0091	U	U
AIR-Q-6	8/28/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.022	U	U
AIR-Q-6	8/28/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.013	U	U
AIR-Q-6	8/28/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.0097	U	U
AIR-Q-6	8/28/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0076	U	UJ
AIR-Q-6	8/28/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.025	CON U	U
AIR-Q-6	8/28/2002	Dioxins	OCDD	pg/m3	3.23		
AIR-Q-6	8/28/2002	Dioxins	OCDF	pg/m3	0.18	U	U
AIR-Q-6	8/28/2002	Dioxins	Total HpCDD	pg/m3	0.968		
AIR-Q-6	8/28/2002	Dioxins	Total HpCDF	pg/m3	0.11	U	U
AIR-Q-6	8/28/2002	Dioxins	Total HxCDD	pg/m3	0.097	U	U
AIR-Q-6	8/28/2002	Dioxins	Total HxCDF	pg/m3	0.059	U	U
AIR-Q-6	8/28/2002	Dioxins	Total PeCDD	pg/m3	0.035	U	U
AIR-Q-6	8/28/2002	Dioxins	Total PeCDF	pg/m3	0.056	U	U
AIR-Q-6	8/28/2002	Dioxins	Total TCDD	pg/m3	0.026	U	UJ
AIR-Q-6	8/28/2002	Dioxins	Total TCDF	pg/m3	0.15		
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.408		
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.093	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.022	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.012	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.024	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.02	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.011	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.028	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.011	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.0085	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-6-DUP	8/28/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.02	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.01	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.0087	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0064	U	UJ
AIR-Q-6-DUP	8/28/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.023	CON U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	OCDD	pg/m3	2.83		
AIR-Q-6-DUP	8/28/2002	Dioxins	OCDF	pg/m3	0.15	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	Total HpCDD	pg/m3	0.845		
AIR-Q-6-DUP	8/28/2002	Dioxins	Total HpCDF	pg/m3	0.093	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	Total HxCDD	pg/m3	0.087	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	Total HxCDF	pg/m3	0.047	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	Total PeCDD	pg/m3	0.024	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	Total PeCDF	pg/m3	0.05	U	U
AIR-Q-6-DUP	8/28/2002	Dioxins	Total TCDD	pg/m3	0.024	U	UJ
AIR-Q-6-DUP	8/28/2002	Dioxins	Total TCDF	pg/m3	0.07		
AIR-Q-7	8/28/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	pg/m3	0.752		
AIR-Q-7	8/28/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	pg/m3	0.14	U	U
AIR-Q-7	8/28/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	pg/m3	0.047	U	U
AIR-Q-7	8/28/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.015	U	U
AIR-Q-7	8/28/2002	Dioxins	1,2,3,4,7,8-HxCDF	pg/m3	0.024	U	U
AIR-Q-7	8/28/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	pg/m3	0.028	U	U
AIR-Q-7	8/28/2002	Dioxins	1,2,3,6,7,8-HxCDF	pg/m3	0.016	U	U
AIR-Q-7	8/28/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	pg/m3	0.038	U	U
AIR-Q-7	8/28/2002	Dioxins	1,2,3,7,8,9-HxCDF	pg/m3	0.015	U	U
AIR-Q-7	8/28/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	pg/m3	0.011	U	U
AIR-Q-7	8/28/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	pg/m3	0.022	U	U
AIR-Q-7	8/28/2002	Dioxins	2,3,4,6,7,8-HxCDF	pg/m3	0.014	U	U
AIR-Q-7	8/28/2002	Dioxins	2,3,4,7,8-PeCDF	pg/m3	0.01	U	U
AIR-Q-7	8/28/2002	Dioxins	2,3,7,8-TCDD	pg/m3	0.0069	U	UJ
AIR-Q-7	8/28/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	pg/m3	0.024	CON U	U
AIR-Q-7	8/28/2002	Dioxins	OCDD	pg/m3	8.15		
AIR-Q-7	8/28/2002	Dioxins	OCDF	pg/m3	0.439	J	J
AIR-Q-7	8/28/2002	Dioxins	Total HpCDD	pg/m3	1.41		
AIR-Q-7	8/28/2002	Dioxins	Total HpCDF	pg/m3	0.23		
AIR-Q-7	8/28/2002	Dioxins	Total HxCDD	pg/m3	0.1	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-7	8/28/2002	Dioxins	Total HxCDF	pg/m3	0.078	U	U
AIR-Q-7	8/28/2002	Dioxins	Total PeCDD	pg/m3	0.024	U	U
AIR-Q-7	8/28/2002	Dioxins	Total PeCDF	pg/m3	0.082	U	U
AIR-Q-7	8/28/2002	Dioxins	Total TCDD	pg/m3	0.029	U	UJ
AIR-Q-7	8/28/2002	Dioxins	Total TCDF	pg/m3	0.034		
AIR-Q-6	8/28/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-Q-6	8/28/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-Q-6	8/28/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-Q-6	8/28/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-Q-6	8/28/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-Q-6	8/28/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-Q-6	8/28/2002	Metals	Calcium	ug/m3	2.1	U	U
AIR-Q-6	8/28/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-Q-6	8/28/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-Q-6	8/28/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-Q-6	8/28/2002	Metals	Iron	ug/m3	0.16	B	J
AIR-Q-6	8/28/2002	Metals	Lead	ug/m3	0.013	B	J
AIR-Q-6	8/28/2002	Metals	Magnesium	ug/m3	2.1	U	U
AIR-Q-6	8/28/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-Q-6	8/28/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-Q-6	8/28/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-Q-6	8/28/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-Q-6	8/28/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-Q-6	8/28/2002	Metals	Sodium	ug/m3	2.1		U
AIR-Q-6	8/28/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-Q-6	8/28/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-Q-6	8/28/2002	Metals	Zinc	ug/m3	0.05	B	J
AIR-Q-7	8/28/2002	Metals	Aluminum	ug/m3	0.83	U	U
AIR-Q-7	8/28/2002	Metals	Antimony	ug/m3	0.08	U	U
AIR-Q-7	8/28/2002	Metals	Arsenic	ug/m3	0.04	U	U
AIR-Q-7	8/28/2002	Metals	Barium	ug/m3	0.04	U	U
AIR-Q-7	8/28/2002	Metals	Beryllium	ug/m3	0.02	U	U
AIR-Q-7	8/28/2002	Metals	Cadmium	ug/m3	0.02	U	U
AIR-Q-7	8/28/2002	Metals	Calcium	ug/m3	3.1		
AIR-Q-7	8/28/2002	Metals	Chromium	ug/m3	0.04	U	U
AIR-Q-7	8/28/2002	Metals	Cobalt	ug/m3	0.04	U	U
AIR-Q-7	8/28/2002	Metals	Copper	ug/m3	0.08	U	U
AIR-Q-7	8/28/2002	Metals	Iron	ug/m3	0.23		
AIR-Q-7	8/28/2002	Metals	Lead	ug/m3	0.011	B	J
AIR-Q-7	8/28/2002	Metals	Magnesium	ug/m3	2.1	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
AIR-Q-7	8/28/2002	Metals	Manganese	ug/m3	0.04	U	U
AIR-Q-7	8/28/2002	Metals	Nickel	ug/m3	0.2	U	U
AIR-Q-7	8/28/2002	Metals	Potassium	ug/m3	4.2	U	U
AIR-Q-7	8/28/2002	Metals	Selenium	ug/m3	0.04	U	U
AIR-Q-7	8/28/2002	Metals	Silver	ug/m3	0.04	U	U
AIR-Q-7	8/28/2002	Metals	Sodium	ug/m3	2.1	U	U
AIR-Q-7	8/28/2002	Metals	Thallium	ug/m3	0.04	U	U
AIR-Q-7	8/28/2002	Metals	Vanadium	ug/m3	0.04	U	U
AIR-Q-7	8/28/2002	Metals	Zinc	ug/m3	0.058	B	J

Analytical Results (Bedrock)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
SITE O							
BDRK-O-1	8/30/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-O-1	8/30/2002	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-O-1	8/30/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-O-1	8/30/2002	VOCs	Acetone	ug/L	25	U	
BDRK-O-1	8/30/2002	VOCs	Benzene	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Bromoform	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Bromomethane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Chloroethane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Chloroform	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Chloromethane	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Dichloromethane	ug/L	1.3	J	
BDRK-O-1	8/30/2002	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-O-1	8/30/2002	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Toluene	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Trichloroethene	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-O-1	8/30/2002	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-O-1	2/11/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	

Analytical Results (Bedrock)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	2/11/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-O-1	2/11/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-O-1	2/11/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-O-1	2/11/2003	VOCs	Acetone	ug/L	25	U	
BDRK-O-1	2/11/2003	VOCs	Benzene	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-O-1	2/11/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-O-1	2/11/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Toluene	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-O-1	2/11/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-O-1	5/1/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	UJ
BDRK-O-1	5/1/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	UJ
BDRK-O-1	5/1/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-O-1	5/1/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-O-1	5/1/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	UJ
BDRK-O-1	5/1/2003	VOCs	Acetone	ug/L	25	U	
BDRK-O-1	5/1/2003	VOCs	Benzene	ug/L	1	U	UJ
BDRK-O-1	5/1/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Bromomethane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	5/1/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-O-1	5/1/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	UJ
BDRK-O-1	5/1/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Tetrachloroethene	ug/L	1.2		
BDRK-O-1	5/1/2003	VOCs	Toluene	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-O-1	5/1/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-O-1	6/24/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-O-1	6/24/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-O-1	6/24/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-O-1	6/24/2003	VOCs	Acetone	ug/L	5	U	U
BDRK-O-1	6/24/2003	VOCs	Benzene	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Chloromethane	ug/L	1	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	6/24/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-O-1	6/24/2003	VOCs	Ethylbenzene	ug/L	1	U	U
BDRK-O-1	6/24/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-O-1	6/24/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Toluene	ug/L	1	U	U
BDRK-O-1	6/24/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-O-1	6/24/2003	VOCs	Vinyl chloride	ug/L	1	U	UJ
BDRK-O-1	6/24/2003	VOCs	Xylenes, Total	ug/L	2	U	UJ
BDRK-O-1	7/28/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-O-1	7/28/2005	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-O-1	7/28/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-O-1	7/28/2005	VOCs	Acetone	ug/L	10	J	
BDRK-O-1	7/28/2005	VOCs	Benzene	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Bromoform	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Bromomethane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Chloroethane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Chloroform	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Chloromethane	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Dichloromethane	ug/L	5	U	
BDRK-O-1	7/28/2005	VOCs	Ethane	ug/L	0.35	U	
BDRK-O-1	7/28/2005	VOCs	Ethene	ug/L	0.33	U	
BDRK-O-1	7/28/2005	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Methane	ug/L	53		
BDRK-O-1	7/28/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	7/28/2005	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Toluene	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Trichloroethene	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-O-1	7/28/2005	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-O-1-DUP	2/11/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-O-1-DUP	2/11/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Acetone	ug/L	25	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Benzene	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Toluene	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-O-1-DUP	2/11/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-O-1-DUP	6/24/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1-DUP	6/24/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-O-1-DUP	6/24/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Acetone	ug/L	5	U	U
BDRK-O-1-DUP	6/24/2003	VOCs	Benzene	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Chloromethane	ug/L	1	U	UJ
BDRK-O-1-DUP	6/24/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Ethylbenzene	ug/L	1	U	U
BDRK-O-1-DUP	6/24/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Styrene (Monomer)	ug/L	1	U	U
BDRK-O-1-DUP	6/24/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Toluene	ug/L	1	U	U
BDRK-O-1-DUP	6/24/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	VOCs	Vinyl chloride	ug/L	1	U	UJ
BDRK-O-1-DUP	6/24/2003	VOCs	Xylenes, Total	ug/L	2	U	UJ
BDRK-O-1	8/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	8/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-O-1	8/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-O-1	8/30/2002	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-O-1	8/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-O-1	8/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-O-1	8/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-O-1	8/30/2002	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Anthracene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Carbazole	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Chrysene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Dinoseb	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	8/30/2002	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Fluorene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Isophorone	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Naphthalene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-O-1	8/30/2002	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	Phenol	ug/L	10	U	
BDRK-O-1	8/30/2002	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-O-1	8/30/2002	SVOCs	Pyrene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-O-1	2/11/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-O-1	2/11/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-O-1	2/11/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	3-Nitroaniline	ug/L	50	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	2/11/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-O-1	2/11/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-O-1	2/11/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-O-1	2/11/2003	SVOCs	Phenanthrene	ug/L	10	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	2/11/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-O-1	2/11/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-O-1	2/11/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-O-1	5/1/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-O-1	5/1/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-O-1	5/1/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-O-1	5/1/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-O-1	5/1/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-O-1	5/1/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	5/1/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-O-1	5/1/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-O-1	5/1/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-O-1	5/1/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	6/24/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-O-1	6/24/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-O-1	6/24/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-O-1	6/24/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-O-1	6/24/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	4-Nitrophenol	ug/L	50	U	UJ
BDRK-O-1	6/24/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Fluorene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	6/24/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-O-1	6/24/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-O-1	6/24/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-O-1	6/24/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-O-1	7/28/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	U	
BDRK-O-1	7/28/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2-Chloronaphthalene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2-Chlorophenol	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2-Methylnaphthalene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	2-Nitroaniline	ug/L	48	U	
BDRK-O-1	7/28/2005	SVOCs	2-Nitrophenol	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	U	
BDRK-O-1	7/28/2005	SVOCs	3-Nitroaniline	ug/L	48	U	
BDRK-O-1	7/28/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48	U	
BDRK-O-1	7/28/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.6	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	7/28/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	4-Nitrophenol	ug/L	48	U	
BDRK-O-1	7/28/2005	SVOCs	Acenaphthene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Acenaphthylene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Anthracene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Benzo(a)anthracene	ug/L	1.2	J	
BDRK-O-1	7/28/2005	SVOCs	Benzo(a)pyrene	ug/L	2.3	J	
BDRK-O-1	7/28/2005	SVOCs	Benzo(b)fluoranthene	ug/L	2.6	J	
BDRK-O-1	7/28/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Benzo(k)fluoranthene	ug/L	2.5	J	
BDRK-O-1	7/28/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	0.92	J	
BDRK-O-1	7/28/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	1.9	J	
BDRK-O-1	7/28/2005	SVOCs	Carbazole	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Chrysene	ug/L	1.3	J	
BDRK-O-1	7/28/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	0.97	J	
BDRK-O-1	7/28/2005	SVOCs	Dibenzofuran	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Diethyl Phthalate	ug/L	1.8	J B	
BDRK-O-1	7/28/2005	SVOCs	Dimethyl Phthalate	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Di-n-butylphthalate	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Di-n-octylphthalate	ug/L	2.2	J	
BDRK-O-1	7/28/2005	SVOCs	Dinoseb	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Fluoranthene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Fluorene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Hexachlorobenzene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Hexachlorobutadiene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Hexachloroethane	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	0.98	J	
BDRK-O-1	7/28/2005	SVOCs	Isophorone	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Naphthalene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Nitrobenzene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	P-Chloroaniline	ug/L	19	U	
BDRK-O-1	7/28/2005	SVOCs	Phenanthrene	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	Phenol	ug/L	9.6	U	
BDRK-O-1	7/28/2005	SVOCs	P-Nitroaniline	ug/L	48	U	
BDRK-O-1	7/28/2005	SVOCs	Pyrene	ug/L	9.6	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1-DUP	2/11/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1-DUP	2/11/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-O-1-DUP	2/11/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1-DUP	6/24/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	4-Nitrophenol	ug/L	50	U	UJ
BDRK-O-1-DUP	6/24/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1-DUP	6/24/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-O-1-DUP	6/24/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-O-1	8/30/2002	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1	8/30/2002	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	8/30/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1	8/30/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	8/30/2002	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	8/30/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1	8/30/2002	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1	8/30/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	8/30/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	8/30/2002	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	2/11/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1	2/11/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	2/11/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1	2/11/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	2/11/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	2/11/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1	2/11/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1	2/11/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	2/11/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	2/11/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	5/1/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1	5/1/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	5/1/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1	5/1/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	5/1/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	5/1/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1	5/1/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1	5/1/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	5/1/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	5/1/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	6/24/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1	6/24/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	6/24/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1	6/24/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	6/24/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	6/24/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1	6/24/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1	6/24/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	6/24/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1	6/24/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1-DUP	2/11/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1-DUP	2/11/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1-DUP	2/11/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1-DUP	2/11/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1-DUP	2/11/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1-DUP	2/11/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1-DUP	2/11/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1-DUP	6/24/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1-DUP	6/24/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1-DUP	6/24/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-O-1-DUP	6/24/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-O-1-DUP	6/24/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1-DUP	6/24/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-O-1-DUP	6/24/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-O-1	8/30/2002	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-O-1	8/30/2002	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-O-1	8/30/2002	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-O-1	8/30/2002	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-O-1	8/30/2002	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-O-1	8/30/2002	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-O-1	8/30/2002	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-O-1	8/30/2002	Pesticides	delta-BHC	ug/L	0.05	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	8/30/2002	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-O-1	8/30/2002	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-O-1	8/30/2002	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-O-1	8/30/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-O-1	8/30/2002	Pesticides	Endrin	ug/L	0.1	U	
BDRK-O-1	8/30/2002	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-O-1	8/30/2002	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ
BDRK-O-1	8/30/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-O-1	8/30/2002	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-O-1	8/30/2002	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-O-1	8/30/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-O-1	8/30/2002	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-O-1	8/30/2002	Pesticides	Toxaphene	ug/L	5	U	
BDRK-O-1	2/11/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-O-1	2/11/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-O-1	2/11/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-O-1	2/11/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-O-1	2/11/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-O-1	2/11/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-O-1	2/11/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-O-1	2/11/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-O-1	2/11/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-O-1	2/11/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-O-1	2/11/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-O-1	2/11/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-O-1	2/11/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-O-1	2/11/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-O-1	2/11/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-O-1	2/11/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-O-1	2/11/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-O-1	2/11/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-O-1	2/11/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-O-1	2/11/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-O-1	2/11/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-O-1	5/1/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-O-1	5/1/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-O-1	5/1/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-O-1	5/1/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-O-1	5/1/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-O-1	5/1/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	5/1/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-O-1	5/1/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-O-1	5/1/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-O-1	5/1/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-O-1	5/1/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-O-1	5/1/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-O-1	5/1/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-O-1	5/1/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-O-1	5/1/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-O-1	5/1/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-O-1	5/1/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-O-1	5/1/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-O-1	5/1/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-O-1	5/1/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-O-1	5/1/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-O-1	6/24/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-O-1	6/24/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-O-1	6/24/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-O-1	6/24/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-O-1	6/24/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-O-1	6/24/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-O-1	6/24/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-O-1	6/24/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-O-1	6/24/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-O-1	6/24/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-O-1	6/24/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-O-1	6/24/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-O-1	6/24/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-O-1	6/24/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-O-1	6/24/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-O-1	6/24/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-O-1	6/24/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-O-1	6/24/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-O-1	6/24/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-O-1	6/24/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-O-1	6/24/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Aldrin	ug/L	0.05	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1-DUP	2/11/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-O-1-DUP	2/11/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-O-1-DUP	6/24/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-O-1	8/30/2002	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-O-1	8/30/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	8/30/2002	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-O-1	8/30/2002	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-O-1	8/30/2002	Herbicides	Dalapon	ug/L	120	U	UJ
BDRK-O-1	8/30/2002	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-O-1	8/30/2002	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-O-1	8/30/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-O-1	8/30/2002	Herbicides	MCPP	ug/L	120	U	
BDRK-O-1	8/30/2002	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-O-1	2/11/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-O-1	2/11/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-O-1	2/11/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-O-1	2/11/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-O-1	2/11/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-O-1	2/11/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-O-1	2/11/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-O-1	2/11/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-O-1	2/11/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-O-1	2/11/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-O-1	5/1/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-O-1	5/1/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-O-1	5/1/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-O-1	5/1/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-O-1	5/1/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-O-1	5/1/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-O-1	5/1/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-O-1	5/1/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-O-1	5/1/2003	Herbicides	MCPP	ug/L	10	JP	J
BDRK-O-1	5/1/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-O-1	6/24/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-O-1	6/24/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-O-1	6/24/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-O-1	6/24/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-O-1	6/24/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-O-1	6/24/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-O-1	6/24/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-O-1	6/24/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-O-1	6/24/2003	Herbicides	MCPP	ug/L	120	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	6/24/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-O-1	7/28/2005	Herbicides	2,4,5-T	ug/L	0.48	U	
BDRK-O-1	7/28/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	U	
BDRK-O-1	7/28/2005	Herbicides	2,4-D	ug/L	0.22	JP	
BDRK-O-1	7/28/2005	Herbicides	2,4-DB	ug/L	0.48	U	
BDRK-O-1	7/28/2005	Herbicides	Dalapon	ug/L	9.6	U	
BDRK-O-1	7/28/2005	Herbicides	Dicamba	ug/L	0.48	U	
BDRK-O-1	7/28/2005	Herbicides	Dichlorprop	ug/L	0.48	U	
BDRK-O-1	7/28/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-O-1	7/28/2005	Herbicides	MCPP	ug/L	120	U	
BDRK-O-1	7/28/2005	Herbicides	Pentachlorophenol	ug/L	0.24	U	
BDRK-O-1-DUP	2/11/2003	Herbicides	2,4,5-T	ug/L	0.041	J	J
BDRK-O-1-DUP	2/11/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-O-1-DUP	2/11/2003	Herbicides	2,4-D	ug/L	0.35	J	
BDRK-O-1-DUP	2/11/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-O-1-DUP	2/11/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-O-1-DUP	2/11/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-O-1-DUP	2/11/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-O-1-DUP	2/11/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-O-1-DUP	2/11/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-O-1-DUP	2/11/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-O-1-DUP	6/24/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-O-1-DUP	6/24/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-O-1-DUP	6/24/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-O-1-DUP	6/24/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-O-1-DUP	6/24/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-O-1-DUP	6/24/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-O-1-DUP	6/24/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-O-1-DUP	6/24/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-O-1-DUP	6/24/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-O-1-DUP	6/24/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-O-1	8/30/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.000011	U	
BDRK-O-1	8/30/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000058	U	
BDRK-O-1	8/30/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000079	U	
BDRK-O-1	8/30/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000082	U	UJ
BDRK-O-1	8/30/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000049	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	8/30/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000082	U	
BDRK-O-1	8/30/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000046	U	
BDRK-O-1	8/30/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000078	U	
BDRK-O-1	8/30/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000071	U	
BDRK-O-1	8/30/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.000006	U	
BDRK-O-1	8/30/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.000012	U	
BDRK-O-1	8/30/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000055	U	
BDRK-O-1	8/30/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000061	U	
BDRK-O-1	8/30/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.0000052	U	
BDRK-O-1	8/30/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000032	U	
BDRK-O-1	8/30/2002	Dioxins	OCDD	ug/L	0.000011	U	
BDRK-O-1	8/30/2002	Dioxins	OCDF	ug/L	0.000015	U	
BDRK-O-1	8/30/2002	Dioxins	Total HpCDD	ug/L	0.000011	U	
BDRK-O-1	8/30/2002	Dioxins	Total HpCDF	ug/L	0.0000079	U	
BDRK-O-1	8/30/2002	Dioxins	Total HxCDD	ug/L	0.0000082	U	
BDRK-O-1	8/30/2002	Dioxins	Total HxCDF	ug/L	0.0000071	U	
BDRK-O-1	8/30/2002	Dioxins	Total PeCDD	ug/L	0.000012	U	
BDRK-O-1	8/30/2002	Dioxins	Total PeCDF	ug/L	0.000006	U	
BDRK-O-1	8/30/2002	Dioxins	Total TCDD	ug/L	0.0000052	U	
BDRK-O-1	8/30/2002	Dioxins	Total TCDF	ug/L	0.0000032	U	
BDRK-O-1	2/11/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000061	U	
BDRK-O-1	2/11/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.000004	U	UJ
BDRK-O-1	2/11/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000052	U	
BDRK-O-1	2/11/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000068	U	UJ
BDRK-O-1	2/11/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000054	U	
BDRK-O-1	2/11/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000069	U	
BDRK-O-1	2/11/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000051	U	
BDRK-O-1	2/11/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000066	U	
BDRK-O-1	2/11/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000069	U	
BDRK-O-1	2/11/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000058	U	
BDRK-O-1	2/11/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000084	U	
BDRK-O-1	2/11/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000058	U	UJ
BDRK-O-1	2/11/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000055	U	
BDRK-O-1	2/11/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000049	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	2/11/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.000004	U	
BDRK-O-1	2/11/2003	Dioxins	OCDD	ug/L	0.0000091	U	
BDRK-O-1	2/11/2003	Dioxins	OCDF	ug/L	0.000009	U	UJ
BDRK-O-1	2/11/2003	Dioxins	Total HpCDD	ug/L	0.0000061	U	
BDRK-O-1	2/11/2003	Dioxins	Total HpCDF	ug/L	0.0000052	U	
BDRK-O-1	2/11/2003	Dioxins	Total HxCDD	ug/L	0.0000069	U	
BDRK-O-1	2/11/2003	Dioxins	Total HxCDF	ug/L	0.0000069	U	
BDRK-O-1	2/11/2003	Dioxins	Total PeCDD	ug/L	0.0000084	U	
BDRK-O-1	2/11/2003	Dioxins	Total PeCDF	ug/L	0.0000058	U	
BDRK-O-1	2/11/2003	Dioxins	Total TCDD	ug/L	0.0000049	U	
BDRK-O-1	2/11/2003	Dioxins	Total TCDF	ug/L	0.000004	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000064	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000053	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000044	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000065	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000037	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000064	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000034	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.000006	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.000004	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000026	U	
BDRK-O-1	5/1/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000049	U	
BDRK-O-1	5/1/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000038	U	
BDRK-O-1	5/1/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000026	U	
BDRK-O-1	5/1/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000026	U	
BDRK-O-1	5/1/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000025	U	
BDRK-O-1	5/1/2003	Dioxins	OCDD	ug/L	0.000007	U	
BDRK-O-1	5/1/2003	Dioxins	OCDF	ug/L	0.0000058	U	
BDRK-O-1	5/1/2003	Dioxins	Total HpCDD	ug/L	0.0000064	U	
BDRK-O-1	5/1/2003	Dioxins	Total HpCDF	ug/L	0.0000053	U	
BDRK-O-1	5/1/2003	Dioxins	Total HxCDD	ug/L	0.0000065	U	
BDRK-O-1	5/1/2003	Dioxins	Total HxCDF	ug/L	0.000004	U	
BDRK-O-1	5/1/2003	Dioxins	Total PeCDD	ug/L	0.000013	U	
BDRK-O-1	5/1/2003	Dioxins	Total PeCDF	ug/L	0.0000029	U	
BDRK-O-1	5/1/2003	Dioxins	Total TCDD	ug/L	0.000003	U	
BDRK-O-1	5/1/2003	Dioxins	Total TCDF	ug/L	0.0000025	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	6/24/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000027	U	
BDRK-O-1	6/24/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000024	U	
BDRK-O-1	6/24/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.000003	U	
BDRK-O-1	6/24/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000034	U	
BDRK-O-1	6/24/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000017	U	
BDRK-O-1	6/24/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000032	U	
BDRK-O-1	6/24/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000015	U	
BDRK-O-1	6/24/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.000003	U	
BDRK-O-1	6/24/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000019	U	
BDRK-O-1	6/24/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000026	U	
BDRK-O-1	6/24/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000041	U	
BDRK-O-1	6/24/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000017	U	
BDRK-O-1	6/24/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000026	U	
BDRK-O-1	6/24/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000024	U	
BDRK-O-1	6/24/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000018	U	
BDRK-O-1	6/24/2003	Dioxins	OCDD	ug/L	0.000005	U	
BDRK-O-1	6/24/2003	Dioxins	OCDF	ug/L	0.0000046	U	
BDRK-O-1	6/24/2003	Dioxins	Total HpCDD	ug/L	0.0000027	U	
BDRK-O-1	6/24/2003	Dioxins	Total HpCDF	ug/L	0.000003	U	
BDRK-O-1	6/24/2003	Dioxins	Total HxCDD	ug/L	0.0000034	U	
BDRK-O-1	6/24/2003	Dioxins	Total HxCDF	ug/L	0.0000019	U	
BDRK-O-1	6/24/2003	Dioxins	Total PeCDD	ug/L	0.0000041	U	
BDRK-O-1	6/24/2003	Dioxins	Total PeCDF	ug/L	0.0000039	U	
BDRK-O-1	6/24/2003	Dioxins	Total TCDD	ug/L	0.0000024	U	
BDRK-O-1	6/24/2003	Dioxins	Total TCDF	ug/L	0.0000018	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000058	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000039	U	UJ
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000051	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000068	U	UJ
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000054	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000068	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000051	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000066	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000068	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.000006	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000081	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000057	U	UJ
BDRK-O-1-DUP	2/11/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000057	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000047	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000037	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	OCDD	ug/L	0.0000086	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	OCDF	ug/L	0.0000085	U	UJ
BDRK-O-1-DUP	2/11/2003	Dioxins	Total HpCDD	ug/L	0.0000058	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	Total HpCDF	ug/L	0.0000051	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	Total HxCDD	ug/L	0.0000068	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	Total HxCDF	ug/L	0.0000068	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	Total PeCDD	ug/L	0.0000081	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	Total PeCDF	ug/L	0.000006	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	Total TCDD	ug/L	0.0000047	U	
BDRK-O-1-DUP	2/11/2003	Dioxins	Total TCDF	ug/L	0.0000037	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000032	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000018	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000022	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.000003	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000014	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000027	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000012	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000026	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000016	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000021	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.000003	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000014	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.000002	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.000002	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000014	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	OCDD	ug/L	0.0000033	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	OCDF	ug/L	0.0000045	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	Total HpCDD	ug/L	0.0000032	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1-DUP	6/24/2003	Dioxins	Total HpCDF	ug/L	0.0000022	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	Total HxCDD	ug/L	0.000003	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	Total HxCDF	ug/L	0.0000016	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	Total PeCDD	ug/L	0.000003	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	Total PeCDF	ug/L	0.0000026	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	Total TCDD	ug/L	0.0000026	U	
BDRK-O-1-DUP	6/24/2003	Dioxins	Total TCDF	ug/L	0.0000014	U	
BDRK-O-1	8/30/2002	Metals	Aluminum	mg/l	0.16	B	
BDRK-O-1	8/30/2002	Metals	Antimony	mg/l	0.02	U	
BDRK-O-1	8/30/2002	Metals	Arsenic	mg/l	0.0033	B	
BDRK-O-1	8/30/2002	Metals	Barium	mg/l	0.24		
BDRK-O-1	8/30/2002	Metals	Beryllium	mg/l	0.004	U	
BDRK-O-1	8/30/2002	Metals	Cadmium	mg/l	0.005	U	
BDRK-O-1	8/30/2002	Metals	Calcium	mg/l	160		
BDRK-O-1	8/30/2002	Metals	Chromium	mg/l	0.01	U	
BDRK-O-1	8/30/2002	Metals	Cobalt	mg/l	0.01	U	
BDRK-O-1	8/30/2002	Metals	Copper	mg/l	0.02	U	U
BDRK-O-1	8/30/2002	Metals	Iron	mg/l	0.41		
BDRK-O-1	8/30/2002	Metals	Lead	mg/l	0.005	U	
BDRK-O-1	8/30/2002	Metals	Magnesium	mg/l	66		
BDRK-O-1	8/30/2002	Metals	Manganese	mg/l	0.058		
BDRK-O-1	8/30/2002	Metals	Mercury	mg/l	0.0002	U	
BDRK-O-1	8/30/2002	Metals	Nickel	mg/l	0.04	U	
BDRK-O-1	8/30/2002	Metals	Potassium	mg/l	7		
BDRK-O-1	8/30/2002	Metals	Selenium	mg/l	0.01	U	
BDRK-O-1	8/30/2002	Metals	Silver	mg/l	0.01	U	
BDRK-O-1	8/30/2002	Metals	Sodium	mg/l	120	E	J
BDRK-O-1	8/30/2002	Metals	Thallium	mg/l	0.0038	B	
BDRK-O-1	8/30/2002	Metals	Vanadium	mg/l	0.0026	B	
BDRK-O-1	8/30/2002	Metals	Zinc	mg/l	0.02	U	
BDRK-O-1	2/11/2003	Metals	Aluminum	mg/l	0.33		
BDRK-O-1	2/11/2003	Metals	Antimony	mg/l	0.02	U	UJ
BDRK-O-1	2/11/2003	Metals	Arsenic	mg/l	0.01		U
BDRK-O-1	2/11/2003	Metals	Barium	mg/l	0.22		
BDRK-O-1	2/11/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-O-1	2/11/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-O-1	2/11/2003	Metals	Calcium	mg/l	220		
BDRK-O-1	2/11/2003	Metals	Chromium	mg/l	0.01	U	
BDRK-O-1	2/11/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-O-1	2/11/2003	Metals	Copper	mg/l	0.0015	B	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	2/11/2003	Metals	Iron	mg/l	0.71		J
BDRK-O-1	2/11/2003	Metals	Lead	mg/l	0.005	U	
BDRK-O-1	2/11/2003	Metals	Magnesium	mg/l	66		
BDRK-O-1	2/11/2003	Metals	Manganese	mg/l	0.063		
BDRK-O-1	2/11/2003	Metals	Mercury	mg/l	0.0002	U	UJ
BDRK-O-1	2/11/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-O-1	2/11/2003	Metals	Potassium	mg/l	7.1		
BDRK-O-1	2/11/2003	Metals	Selenium	mg/l	0.005	B	
BDRK-O-1	2/11/2003	Metals	Silver	mg/l	0.01	U	
BDRK-O-1	2/11/2003	Metals	Sodium	mg/l	140		
BDRK-O-1	2/11/2003	Metals	Thallium	mg/l	0.01	U	UJ
BDRK-O-1	2/11/2003	Metals	Vanadium	mg/l	0.01		U
BDRK-O-1	2/11/2003	Metals	Zinc	mg/l	0.0049	B	
BDRK-O-1	5/1/2003	Metals	Aluminum	mg/l	0.09	B	J
BDRK-O-1	5/1/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-O-1	5/1/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-O-1	5/1/2003	Metals	Barium	mg/l	0.22		
BDRK-O-1	5/1/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-O-1	5/1/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-O-1	5/1/2003	Metals	Calcium	mg/l	160		
BDRK-O-1	5/1/2003	Metals	Chromium	mg/l	0.01	B	U
BDRK-O-1	5/1/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-O-1	5/1/2003	Metals	Copper	mg/l	0.02	U	
BDRK-O-1	5/1/2003	Metals	Iron	mg/l	0.39		J
BDRK-O-1	5/1/2003	Metals	Lead	mg/l	0.005	U	UJ
BDRK-O-1	5/1/2003	Metals	Magnesium	mg/l	65		
BDRK-O-1	5/1/2003	Metals	Manganese	mg/l	0.055		
BDRK-O-1	5/1/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-O-1	5/1/2003	Metals	Nickel	mg/l	0.0028	B	
BDRK-O-1	5/1/2003	Metals	Potassium	mg/l	6.6		
BDRK-O-1	5/1/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-O-1	5/1/2003	Metals	Silver	mg/l	0.01	U	
BDRK-O-1	5/1/2003	Metals	Sodium	mg/l	140		
BDRK-O-1	5/1/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-O-1	5/1/2003	Metals	Vanadium	mg/l	0.01	B	U
BDRK-O-1	5/1/2003	Metals	Zinc	mg/l	0.0024	B	
BDRK-O-1	6/24/2003	Metals	Aluminum	mg/l	0.48	N	J
BDRK-O-1	6/24/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-O-1	6/24/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-O-1	6/24/2003	Metals	Barium	mg/l	0.22		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	6/24/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-O-1	6/24/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-O-1	6/24/2003	Metals	Calcium	mg/l	150		
BDRK-O-1	6/24/2003	Metals	Chromium	mg/l	0.0014	B	
BDRK-O-1	6/24/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-O-1	6/24/2003	Metals	Copper	mg/l	0.02	U	
BDRK-O-1	6/24/2003	Metals	Iron	mg/l	0.64		
BDRK-O-1	6/24/2003	Metals	Lead	mg/l	0.005	U	UJ
BDRK-O-1	6/24/2003	Metals	Magnesium	mg/l	66		
BDRK-O-1	6/24/2003	Metals	Manganese	mg/l	0.062		
BDRK-O-1	6/24/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-O-1	6/24/2003	Metals	Nickel	mg/l	0.0056	B	
BDRK-O-1	6/24/2003	Metals	Potassium	mg/l	7.3	N	J
BDRK-O-1	6/24/2003	Metals	Selenium	mg/l	0.01	U	UJ
BDRK-O-1	6/24/2003	Metals	Silver	mg/l	0.01	U	
BDRK-O-1	6/24/2003	Metals	Sodium	mg/l	140		
BDRK-O-1	6/24/2003	Metals	Thallium	mg/l	0.01	U	UJ
BDRK-O-1	6/24/2003	Metals	Vanadium	mg/l	0.0026	B	U
BDRK-O-1	6/24/2003	Metals	Zinc	mg/l	0.017	B	
BDRK-O-1	7/28/2005	Metals	Aluminum	mg/l	0.2	U	
BDRK-O-1	7/28/2005	Metals	Antimony	mg/l	0.02	U	
BDRK-O-1	7/28/2005	Metals	Arsenic	mg/l	0.01	U	
BDRK-O-1	7/28/2005	Metals	Barium	mg/l	0.13		
BDRK-O-1	7/28/2005	Metals	Beryllium	mg/l	0.004	U	
BDRK-O-1	7/28/2005	Metals	Cadmium	mg/l	0.005	U	
BDRK-O-1	7/28/2005	Metals	Calcium	mg/l	110		
BDRK-O-1	7/28/2005	Metals	Chromium	mg/l	0.01	U	
BDRK-O-1	7/28/2005	Metals	Cobalt	mg/l	0.01	U	
BDRK-O-1	7/28/2005	Metals	Copper	mg/l	0.02	U	
BDRK-O-1	7/28/2005	Metals	Iron	mg/l	0.67		
BDRK-O-1	7/28/2005	Metals	Lead	mg/l	0.005	U	
BDRK-O-1	7/28/2005	Metals	Magnesium	mg/l	51		
BDRK-O-1	7/28/2005	Metals	Manganese	mg/l	0.034		
BDRK-O-1	7/28/2005	Metals	Mercury	mg/l	0.0002	U	
BDRK-O-1	7/28/2005	Metals	Nickel	mg/l	0.0026	J B	U
BDRK-O-1	7/28/2005	Metals	Potassium	mg/l	6.4		
BDRK-O-1	7/28/2005	Metals	Selenium	mg/l	0.01	U	
BDRK-O-1	7/28/2005	Metals	Silver	mg/l	0.01	U	
BDRK-O-1	7/28/2005	Metals	Sodium	mg/l	130		
BDRK-O-1	7/28/2005	Metals	Thallium	mg/l	0.025	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1	7/28/2005	Metals	Vanadium	mg/l	0.01	U	
BDRK-O-1	7/28/2005	Metals	Zinc	mg/l	0.02	U	
BDRK-O-1-DUP	2/11/2003	Metals	Aluminum	mg/l	0.095	B	
BDRK-O-1-DUP	2/11/2003	Metals	Antimony	mg/l	0.02	U	UJ
BDRK-O-1-DUP	2/11/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-O-1-DUP	2/11/2003	Metals	Barium	mg/l	0.22		
BDRK-O-1-DUP	2/11/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-O-1-DUP	2/11/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-O-1-DUP	2/11/2003	Metals	Calcium	mg/l	200		
BDRK-O-1-DUP	2/11/2003	Metals	Chromium	mg/l	0.01	U	
BDRK-O-1-DUP	2/11/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-O-1-DUP	2/11/2003	Metals	Copper	mg/l	0.02	U	
BDRK-O-1-DUP	2/11/2003	Metals	Iron	mg/l	0.41		J
BDRK-O-1-DUP	2/11/2003	Metals	Lead	mg/l	0.005	U	
BDRK-O-1-DUP	2/11/2003	Metals	Magnesium	mg/l	64		
BDRK-O-1-DUP	2/11/2003	Metals	Manganese	mg/l	0.058		
BDRK-O-1-DUP	2/11/2003	Metals	Mercury	mg/l	0.0002	U	UJ
BDRK-O-1-DUP	2/11/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-O-1-DUP	2/11/2003	Metals	Potassium	mg/l	6.8		
BDRK-O-1-DUP	2/11/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-O-1-DUP	2/11/2003	Metals	Silver	mg/l	0.01	U	
BDRK-O-1-DUP	2/11/2003	Metals	Sodium	mg/l	130		
BDRK-O-1-DUP	2/11/2003	Metals	Thallium	mg/l	0.01	U	UJ
BDRK-O-1-DUP	2/11/2003	Metals	Vanadium	mg/l	0.01		U
BDRK-O-1-DUP	2/11/2003	Metals	Zinc	mg/l	0.02	U	
BDRK-O-1-DUP	6/24/2003	Metals	Aluminum	mg/l	0.25	N	J
BDRK-O-1-DUP	6/24/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-O-1-DUP	6/24/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-O-1-DUP	6/24/2003	Metals	Barium	mg/l	0.23		
BDRK-O-1-DUP	6/24/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-O-1-DUP	6/24/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-O-1-DUP	6/24/2003	Metals	Calcium	mg/l	160		
BDRK-O-1-DUP	6/24/2003	Metals	Chromium	mg/l	0.0013	B	
BDRK-O-1-DUP	6/24/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-O-1-DUP	6/24/2003	Metals	Copper	mg/l	0.02	U	
BDRK-O-1-DUP	6/24/2003	Metals	Iron	mg/l	0.45		
BDRK-O-1-DUP	6/24/2003	Metals	Lead	mg/l	0.005	U	UJ
BDRK-O-1-DUP	6/24/2003	Metals	Magnesium	mg/l	68		
BDRK-O-1-DUP	6/24/2003	Metals	Manganese	mg/l	0.062		
BDRK-O-1-DUP	6/24/2003	Metals	Mercury	mg/l	0.0002	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1-DUP	6/24/2003	Metals	Nickel	mg/l	0.0037	B	
BDRK-O-1-DUP	6/24/2003	Metals	Potassium	mg/l	7.5	N	J
BDRK-O-1-DUP	6/24/2003	Metals	Selenium	mg/l	0.01	U	UJ
BDRK-O-1-DUP	6/24/2003	Metals	Silver	mg/l	0.01	U	
BDRK-O-1-DUP	6/24/2003	Metals	Sodium	mg/l	140		
BDRK-O-1-DUP	6/24/2003	Metals	Thallium	mg/l	0.01	U	UJ
BDRK-O-1-DUP	6/24/2003	Metals	Vanadium	mg/l	0.0018	B	U
BDRK-O-1-DUP	6/24/2003	Metals	Zinc	mg/l	0.019	B	
BDRK-O-1	8/30/2002	Other	Alkalinity, Total (as CACO3)	mg/l	480		
BDRK-O-1	8/30/2002	Other	Carbon Dioxide	mg/l	15		
BDRK-O-1	8/30/2002	Other	Methane	ug/L	27		
BDRK-O-1	8/30/2002	Other	Nitrate-N	mg/l	1.4		
BDRK-O-1	8/30/2002	Other	Sulfate as SO4	mg/l	190		J
BDRK-O-1	2/11/2003	Other	Alkalinity, Total (as CACO3)	mg/l	490		
BDRK-O-1	2/11/2003	Other	Carbon Dioxide	/l as CaC	15		
BDRK-O-1	2/11/2003	Other	Methane	ug/L	43		J
BDRK-O-1	2/11/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-O-1	2/11/2003	Other	Sulfate as SO4	mg/l	210		
BDRK-O-1	5/1/2003	Other	Alkalinity, Total (as CACO3)	mg/l	480		
BDRK-O-1	5/1/2003	Other	Carbon Dioxide	/l as CaC	30		
BDRK-O-1	5/1/2003	Other	Methane	ug/L	60		
BDRK-O-1	5/1/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-O-1	5/1/2003	Other	Sulfate as SO4	mg/l	11		
BDRK-O-1	6/24/2003	Other	Alkalinity, Total (as CACO3)	mg/l	460		
BDRK-O-1	6/24/2003	Other	Carbon Dioxide	/l as CaC	43		
BDRK-O-1	6/24/2003	Other	Methane	ug/L	18		J
BDRK-O-1	6/24/2003	Other	Nitrate-N	mg/l	0.05	U	UJ
BDRK-O-1	6/24/2003	Other	Sulfate as SO4	mg/l	190		
BDRK-O-1	7/28/2005	Other	Alkalinity	mg/l	360		
BDRK-O-1	7/28/2005	Other	Ammonia	mg/l	0.79		
BDRK-O-1	7/28/2005	Other	Carbon Dioxide	mg/l	24		
BDRK-O-1	7/28/2005	Other	Chloride	mg/l	210		
BDRK-O-1	7/28/2005	Other	Nitrogen, Nitrate	mg/l	0.05	U	
BDRK-O-1	7/28/2005	Other	Nitrogen, Nitrate Nitrite	mg/l	0.05	U	
BDRK-O-1	7/28/2005	Other	Nitrogen, Nitrite	mg/l	0.05	U	
BDRK-O-1	7/28/2005	Other	Sulfate as SO4	mg/l	150		
BDRK-O-1	7/28/2005	Other	Total Organic Carbon	mg/l	2		
BDRK-O-1-DUP	2/11/2003	Other	Alkalinity, Total (as CACO3)	mg/l	490		
BDRK-O-1-DUP	2/11/2003	Other	Carbon Dioxide	/l as CaC	9.6		
BDRK-O-1-DUP	2/11/2003	Other	Methane	ug/L	12		J

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-O-1-DUP	2/11/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-O-1-DUP	2/11/2003	Other	Sulfate as SO4	mg/l	220		
BDRK-O-1-DUP	6/24/2003	Other	Alkalinity, Total (as CACO3)	mg/l	440		
BDRK-O-1-DUP	6/24/2003	Other	Carbon Dioxide	/l as CaC	44		
BDRK-O-1-DUP	6/24/2003	Other	Methane	ug/L	17		J
BDRK-O-1-DUP	6/24/2003	Other	Nitrate-N	mg/l	0.05	U	UJ
BDRK-O-1-DUP	6/24/2003	Other	Sulfate as SO4	mg/l	190		
SITE P							
BDRK-P-1	9/9/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-P-1	9/9/2002	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	2-Butanone (MEK)	ug/L	4.1	J	
BDRK-P-1	9/9/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-P-1	9/9/2002	VOCs	Acetone	ug/L	38		
BDRK-P-1	9/9/2002	VOCs	Benzene	ug/L	21		
BDRK-P-1	9/9/2002	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Bromoform	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Bromomethane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Carbon Disulfide	ug/L	1.7		
BDRK-P-1	9/9/2002	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Chlorobenzene	ug/L	7.8		
BDRK-P-1	9/9/2002	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Chloroethane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Chloroform	ug/L	7.1		
BDRK-P-1	9/9/2002	VOCs	Chloromethane	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Dichloromethane	ug/L	1.3	J	
BDRK-P-1	9/9/2002	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-P-1	9/9/2002	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Toluene	ug/L	0.89	J	
BDRK-P-1	9/9/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Trichloroethene	ug/L	1	U	
BDRK-P-1	9/9/2002	VOCs	Vinyl chloride	ug/L	1	U	

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BDRK-P-1	9/9/2002	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-P-1	2/11/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-P-1	2/11/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-P-1	2/11/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-P-1	2/11/2003	VOCs	Acetone	ug/L	25	U	
BDRK-P-1	2/11/2003	VOCs	Benzene	ug/L	2.4		
BDRK-P-1	2/11/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Chlorobenzene	ug/L	2.5		
BDRK-P-1	2/11/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-P-1	2/11/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-P-1	2/11/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Toluene	ug/L	1		
BDRK-P-1	2/11/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-P-1	2/11/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-P-1	4/28/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-P-1	4/28/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	4/28/2003	VOCs	2-Butanone (MEK)	ug/L	2	J	
BDRK-P-1	4/28/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-P-1	4/28/2003	VOCs	Acetone	ug/L	25	U	
BDRK-P-1	4/28/2003	VOCs	Benzene	ug/L	7.8		
BDRK-P-1	4/28/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Bromomethane	ug/L	1	U	UJ
BDRK-P-1	4/28/2003	VOCs	Carbon Disulfide	ug/L	2.2		
BDRK-P-1	4/28/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Chlorobenzene	ug/L	3.3		
BDRK-P-1	4/28/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Chloroethane	ug/L	1	U	UJ
BDRK-P-1	4/28/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-P-1	4/28/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-P-1	4/28/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Toluene	ug/L	1	U	U
BDRK-P-1	4/28/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-P-1	4/28/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-P-1	6/17/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-P-1	6/17/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-P-1	6/17/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-P-1	6/17/2003	VOCs	Acetone	ug/L	25	U	
BDRK-P-1	6/17/2003	VOCs	Benzene	ug/L	1.2		
BDRK-P-1	6/17/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Bromomethane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	6/17/2003	VOCs	Carbon Disulfide	ug/L	1.2		
BDRK-P-1	6/17/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Chlorodibromomethane	ug/L	1	U	UJ
BDRK-P-1	6/17/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-P-1	6/17/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-P-1	6/17/2003	VOCs	Styrene (Monomer)	ug/L	1	U	U
BDRK-P-1	6/17/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Toluene	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-P-1	6/17/2003	VOCs	Xylenes, Total	ug/L	0.38	J	
BDRK-P-1	8/2/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-P-1	8/2/2005	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-P-1	8/2/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-P-1	8/2/2005	VOCs	Acetone	ug/L	13	J	
BDRK-P-1	8/2/2005	VOCs	Benzene	ug/L	0.81	J	
BDRK-P-1	8/2/2005	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Bromoform	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Bromomethane	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Carbon Disulfide	ug/L	0.8	J	
BDRK-P-1	8/2/2005	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Chlorobenzene	ug/L	2		
BDRK-P-1	8/2/2005	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Chloroethane	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Chloroform	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Chloromethane	ug/L	0.56	J	

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BDRK-P-1	8/2/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Dichloromethane	ug/L	5	U	
BDRK-P-1	8/2/2005	VOCs	Ethane	ug/L	0.35	U	
BDRK-P-1	8/2/2005	VOCs	Ethene	ug/L	0.5		
BDRK-P-1	8/2/2005	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Methane	ug/L	1.4		
BDRK-P-1	8/2/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-P-1	8/2/2005	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Toluene	ug/L	1.2		
BDRK-P-1	8/2/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Trichloroethene	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-P-1	8/2/2005	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-P-1	9/9/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-P-1	9/9/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-P-1	9/9/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-P-1	9/9/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-P-1	9/9/2002	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-P-1	9/9/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-P-1	9/9/2002	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-P-1	9/9/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-P-1	9/9/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-P-1	9/9/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-P-1	9/9/2002	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-P-1	9/9/2002	SVOCs	Benzo(a)pyrene	ug/L	1.3	J	J
BDRK-P-1	9/9/2002	SVOCs	Benzo(b)fluoranthene	ug/L	1.6	J	J
BDRK-P-1	9/9/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	1.8	J	J
BDRK-P-1	9/9/2002	SVOCs	Benzo(k)fluoranthene	ug/L	1.8	J	J
BDRK-P-1	9/9/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	1.3	J	J
BDRK-P-1	9/9/2002	SVOCs	Chrysene	ug/L	0.68	J	J
BDRK-P-1	9/9/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	1.5	J	J
BDRK-P-1	9/9/2002	SVOCs	Di-n-octylphthalate	ug/L	1.1	J	J
BDRK-P-1	9/9/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	1.3	J	J
BDRK-P-1	9/9/2002	SVOCs	Phenol	ug/L	2.7	J	
BDRK-P-1	2/11/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-P-1	2/11/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-P-1	2/11/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-P-1	2/11/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	2/11/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-P-1	2/11/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-P-1	2/11/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-P-1	2/11/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-P-1	2/11/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-P-1	2/11/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-P-1	2/11/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-P-1	2/11/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-P-1	2/11/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-P-1	4/28/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-P-1	4/28/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-P-1	4/28/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-P-1	4/28/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-P-1	4/28/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-P-1	4/28/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Anthracene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	4/28/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-P-1	4/28/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-P-1	4/28/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-P-1	4/28/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	6/17/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-P-1	6/17/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-P-1	6/17/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-P-1	6/17/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-P-1	6/17/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-P-1	6/17/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-P-1	6/17/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	1	J	
BDRK-P-1	6/17/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	0.89	J	
BDRK-P-1	6/17/2003	SVOCs	Dibenzofuran	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	6/17/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	0.99	J	J
BDRK-P-1	6/17/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-P-1	6/17/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-P-1	6/17/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-P-1	6/17/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-P-1	8/2/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	U	
BDRK-P-1	8/2/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2-Chloronaphthalene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2-Chlorophenol	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2-Methylnaphthalene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	2-Nitroaniline	ug/L	48	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	8/2/2005	SVOCs	2-Nitrophenol	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	U	
BDRK-P-1	8/2/2005	SVOCs	3-Nitroaniline	ug/L	48	U	
BDRK-P-1	8/2/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48	U	
BDRK-P-1	8/2/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	4-Nitrophenol	ug/L	48	U	
BDRK-P-1	8/2/2005	SVOCs	Acenaphthene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Acenaphthylene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Anthracene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Benzo(a)anthracene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Benzo(a)pyrene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Carbazole	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Chrysene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Dibenzofuran	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Diethyl Phthalate	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Dimethyl Phthalate	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Di-n-butylphthalate	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Di-n-octylphthalate	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Dinoseb	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Fluoranthene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Fluorene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Hexachlorobenzene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Hexachlorobutadiene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Hexachloroethane	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Isophorone	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Naphthalene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Nitrobenzene	ug/L	9.6	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	8/2/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	P-Chloroaniline	ug/L	1.1	J	
BDRK-P-1	8/2/2005	SVOCs	Phenanthrene	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	Phenol	ug/L	9.6	U	
BDRK-P-1	8/2/2005	SVOCs	P-Nitroaniline	ug/L	48	U	
BDRK-P-1	8/2/2005	SVOCs	Pyrene	ug/L	9.6	U	
BDRK-P-1	9/9/2002	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-P-1	9/9/2002	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	9/9/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-P-1	9/9/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-P-1	9/9/2002	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	9/9/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-P-1	9/9/2002	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-P-1	9/9/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-P-1	9/9/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-P-1	9/9/2002	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	2/18/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-P-1	2/18/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	2/18/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-P-1	2/18/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-P-1	2/18/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	2/18/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-P-1	2/18/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-P-1	2/18/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-P-1	2/18/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-P-1	2/18/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	4/28/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	4/28/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-P-1	4/28/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-P-1	4/28/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	4/28/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-P-1	4/28/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-P-1	4/28/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	UJ
BDRK-P-1	6/17/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-P-1	6/17/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	6/17/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-P-1	6/17/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-P-1	6/17/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	6/17/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	6/17/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-P-1	6/17/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-P-1	6/17/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-P-1	6/17/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-P-1	9/9/2002	Pesticides	4,4'-DDD	ug/L	0.1	U	UJ
BDRK-P-1	9/9/2002	Pesticides	4,4'-DDE	ug/L	0.1	U	UJ
BDRK-P-1	9/9/2002	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Aldrin	ug/L	0.05	U	UJ
BDRK-P-1	9/9/2002	Pesticides	alpha-BHC	ug/L	0.05	U	UJ
BDRK-P-1	9/9/2002	Pesticides	alpha-Chlordane	ug/L	0.05	U	UJ
BDRK-P-1	9/9/2002	Pesticides	beta-BHC	ug/L	0.05	U	UJ
BDRK-P-1	9/9/2002	Pesticides	delta-BHC	ug/L	0.05	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Endosulfan I	ug/L	0.05	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Endosulfan II	ug/L	0.1	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Endrin	ug/L	0.1	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Endrin Aldehyde	ug/L	0.1	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ
BDRK-P-1	9/9/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	UJ
BDRK-P-1	9/9/2002	Pesticides	gamma-Chlordane	ug/L	0.05	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Heptachlor	ug/L	0.0063	JP	J
BDRK-P-1	9/9/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-P-1	9/9/2002	Pesticides	Toxaphene	ug/L	5	U	UJ
BDRK-P-1	2/18/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	UJ
BDRK-P-1	2/18/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	UJ
BDRK-P-1	2/18/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Aldrin	ug/L	0.05	U	UJ
BDRK-P-1	2/18/2003	Pesticides	alpha-BHC	ug/L	0.024	J	J
BDRK-P-1	2/18/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	UJ
BDRK-P-1	2/18/2003	Pesticides	beta-BHC	ug/L	0.05	U	UJ
BDRK-P-1	2/18/2003	Pesticides	delta-BHC	ug/L	0.05	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Endosulfan I	ug/L	0.05	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Endosulfan II	ug/L	0.1	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Endrin	ug/L	0.1	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Endrin Aldehyde	ug/L	0.013	JP	J
BDRK-P-1	2/18/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	2/18/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	UJ
BDRK-P-1	2/18/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Heptachlor	ug/L	0.05	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-P-1	2/18/2003	Pesticides	Toxaphene	ug/L	5	U	UJ
BDRK-P-1	4/28/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	UJ
BDRK-P-1	4/28/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	UJ
BDRK-P-1	4/28/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Aldrin	ug/L	0.05	U	UJ
BDRK-P-1	4/28/2003	Pesticides	alpha-BHC	ug/L	0.05	U	UJ
BDRK-P-1	4/28/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	UJ
BDRK-P-1	4/28/2003	Pesticides	beta-BHC	ug/L	0.05	U	UJ
BDRK-P-1	4/28/2003	Pesticides	delta-BHC	ug/L	0.05	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Endosulfan I	ug/L	0.05	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Endosulfan II	ug/L	0.1	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Endrin	ug/L	0.1	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ
BDRK-P-1	4/28/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	UJ
BDRK-P-1	4/28/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Heptachlor	ug/L	0.05	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-P-1	4/28/2003	Pesticides	Toxaphene	ug/L	5	U	UJ
BDRK-P-1	8/2/2005	Pesticides	4,4'-DDD	ug/L	0.1	U	UJ
BDRK-P-1	8/2/2005	Pesticides	4,4'-DDE	ug/L	0.1	U	UJ
BDRK-P-1	8/2/2005	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Aldrin	ug/L	0.05	U	UJ
BDRK-P-1	8/2/2005	Pesticides	alpha-BHC	ug/L	0.05	U	UJ
BDRK-P-1	8/2/2005	Pesticides	alpha-Chlordane	ug/L	0.05	U	UJ
BDRK-P-1	8/2/2005	Pesticides	beta-BHC	ug/L	0.05	U	UJ
BDRK-P-1	8/2/2005	Pesticides	delta-BHC	ug/L	0.05	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Endosulfan I	ug/L	0.05	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Endosulfan II	ug/L	0.1	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Endrin	ug/L	0.1	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	8/2/2005	Pesticides	Endrin Aldehyde	ug/L	0.1	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ
BDRK-P-1	8/2/2005	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	UJ
BDRK-P-1	8/2/2005	Pesticides	gamma-Chlordane	ug/L	0.05	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Heptachlor	ug/L	0.05	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-P-1	8/2/2005	Pesticides	Toxaphene	ug/L	5	U	UJ
BDRK-P-1	9/9/2002	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-P-1	9/9/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-P-1	9/9/2002	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-P-1	9/9/2002	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-P-1	9/9/2002	Herbicides	Dalapon	ug/L	120	U	
BDRK-P-1	9/9/2002	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-P-1	9/9/2002	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-P-1	9/9/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	52	JP	J
BDRK-P-1	9/9/2002	Herbicides	MCPP	ug/L	120	U	
BDRK-P-1	9/9/2002	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-P-1	2/11/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-P-1	2/11/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-P-1	2/11/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-P-1	2/11/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-P-1	2/11/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-P-1	2/11/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-P-1	2/11/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-P-1	2/11/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	UJ
BDRK-P-1	2/11/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-P-1	2/11/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-P-1	4/28/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-P-1	4/28/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-P-1	4/28/2003	Herbicides	2,4-D	ug/L	0.5	U	UJ
BDRK-P-1	4/28/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-P-1	4/28/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-P-1	4/28/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-P-1	4/28/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-P-1	4/28/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-P-1	4/28/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-P-1	4/28/2003	Herbicides	Pentachlorophenol	ug/L	1	U	

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BDRK-P-1	6/17/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-P-1	6/17/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-P-1	6/17/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-P-1	6/17/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-P-1	6/17/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-P-1	6/17/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-P-1	6/17/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-P-1	6/17/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-P-1	6/17/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-P-1	6/17/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-P-1	8/2/2005	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-P-1	8/2/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-P-1	8/2/2005	Herbicides	2,4-D	ug/L	0.28	J	
BDRK-P-1	8/2/2005	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-P-1	8/2/2005	Herbicides	Dalapon	ug/L	10	U	
BDRK-P-1	8/2/2005	Herbicides	Dicamba	ug/L	0.5	U	
BDRK-P-1	8/2/2005	Herbicides	Dichlorprop	ug/L	0.5	U	
BDRK-P-1	8/2/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-P-1	8/2/2005	Herbicides	MCPP	ug/L	120	P	
BDRK-P-1	8/2/2005	Herbicides	Pentachlorophenol	ug/L	1.7		
BDRK-P-1	9/9/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000056	U	
BDRK-P-1	9/9/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000036	U	
BDRK-P-1	9/9/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000047	U	
BDRK-P-1	9/9/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000049	U	UJ
BDRK-P-1	9/9/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.000005	U	
BDRK-P-1	9/9/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000052	U	UJ
BDRK-P-1	9/9/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.000005	U	
BDRK-P-1	9/9/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000047	U	UJ
BDRK-P-1	9/9/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000062	U	
BDRK-P-1	9/9/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000049	U	
BDRK-P-1	9/9/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000083	U	UJ
BDRK-P-1	9/9/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000054	U	
BDRK-P-1	9/9/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000049	U	
BDRK-P-1	9/9/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.000005	U	
BDRK-P-1	9/9/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.000003	U	UJ

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BDRK-P-1	9/9/2002	Dioxins	OCDD	ug/L	0.000034	U	
BDRK-P-1	9/9/2002	Dioxins	OCDF	ug/L	0.0000055	U	
BDRK-P-1	9/9/2002	Dioxins	Total HpCDD	ug/L	0.0000056	U	
BDRK-P-1	9/9/2002	Dioxins	Total HpCDF	ug/L	0.0000047	U	
BDRK-P-1	9/9/2002	Dioxins	Total HxCDD	ug/L	0.0000052	U	UJ
BDRK-P-1	9/9/2002	Dioxins	Total HxCDF	ug/L	0.0000062	U	
BDRK-P-1	9/9/2002	Dioxins	Total PeCDD	ug/L	0.0000083	U	UJ
BDRK-P-1	9/9/2002	Dioxins	Total PeCDF	ug/L	0.0000049	U	
BDRK-P-1	9/9/2002	Dioxins	Total TCDD	ug/L	0.000005	U	
BDRK-P-1	9/9/2002	Dioxins	Total TCDF	ug/L	0.000003	U	UJ
BDRK-P-1	2/11/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000067	U	
BDRK-P-1	2/11/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000049	U	UJ
BDRK-P-1	2/11/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000064	U	
BDRK-P-1	2/11/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000077	U	UJ
BDRK-P-1	2/11/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000065	U	
BDRK-P-1	2/11/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000077	U	
BDRK-P-1	2/11/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000061	U	
BDRK-P-1	2/11/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000074	U	
BDRK-P-1	2/11/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000082	U	
BDRK-P-1	2/11/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000071	U	
BDRK-P-1	2/11/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.00001	U	
BDRK-P-1	2/11/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000069	U	UJ
BDRK-P-1	2/11/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000067	U	
BDRK-P-1	2/11/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000059	U	
BDRK-P-1	2/11/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000048	U	
BDRK-P-1	2/11/2003	Dioxins	OCDD	ug/L	0.000045	U	
BDRK-P-1	2/11/2003	Dioxins	OCDF	ug/L	0.0000092	U	UJ
BDRK-P-1	2/11/2003	Dioxins	Total HpCDD	ug/L	0.0000067	U	
BDRK-P-1	2/11/2003	Dioxins	Total HpCDF	ug/L	0.0000064	U	
BDRK-P-1	2/11/2003	Dioxins	Total HxCDD	ug/L	0.0000077	U	
BDRK-P-1	2/11/2003	Dioxins	Total HxCDF	ug/L	0.0000082	U	
BDRK-P-1	2/11/2003	Dioxins	Total PeCDD	ug/L	0.00001	U	
BDRK-P-1	2/11/2003	Dioxins	Total PeCDF	ug/L	0.0000071	U	
BDRK-P-1	2/11/2003	Dioxins	Total TCDD	ug/L	0.0000059	U	
BDRK-P-1	2/11/2003	Dioxins	Total TCDF	ug/L	0.0000048	U	

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BDRK-P-1	4/28/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000037	U	
BDRK-P-1	4/28/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000021	U	
BDRK-P-1	4/28/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000026	U	
BDRK-P-1	4/28/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000024	U	
BDRK-P-1	4/28/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000019	U	
BDRK-P-1	4/28/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000022	U	
BDRK-P-1	4/28/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000017	U	
BDRK-P-1	4/28/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.000002	U	
BDRK-P-1	4/28/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000021	U	
BDRK-P-1	4/28/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000021	U	
BDRK-P-1	4/28/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.000003	U	
BDRK-P-1	4/28/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.000002	U	
BDRK-P-1	4/28/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000019	U	
BDRK-P-1	4/28/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000016	U	
BDRK-P-1	4/28/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000011	U	
BDRK-P-1	4/28/2003	Dioxins	OCDD	ug/L	0.000027	U	
BDRK-P-1	4/28/2003	Dioxins	OCDF	ug/L	0.0000037	U	
BDRK-P-1	4/28/2003	Dioxins	Total HpCDD	ug/L	0.0000037	U	
BDRK-P-1	4/28/2003	Dioxins	Total HpCDF	ug/L	0.0000026	U	
BDRK-P-1	4/28/2003	Dioxins	Total HxCDD	ug/L	0.0000024	U	
BDRK-P-1	4/28/2003	Dioxins	Total HxCDF	ug/L	0.0000021	U	
BDRK-P-1	4/28/2003	Dioxins	Total PeCDD	ug/L	0.0000045	U	
BDRK-P-1	4/28/2003	Dioxins	Total PeCDF	ug/L	0.0000024	U	
BDRK-P-1	4/28/2003	Dioxins	Total TCDD	ug/L	0.0000016	U	
BDRK-P-1	4/28/2003	Dioxins	Total TCDF	ug/L	0.0000011	U	
BDRK-P-1	6/17/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000073	U	
BDRK-P-1	6/17/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000051	U	
BDRK-P-1	6/17/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000055	U	
BDRK-P-1	6/17/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000078	U	
BDRK-P-1	6/17/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000075	U	
BDRK-P-1	6/17/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000077	U	
BDRK-P-1	6/17/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000069	U	
BDRK-P-1	6/17/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000072	U	

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BDRK-P-1	6/17/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000081	U	
BDRK-P-1	6/17/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000049	U	
BDRK-P-1	6/17/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000078	U	
BDRK-P-1	6/17/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000077	U	
BDRK-P-1	6/17/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.000005	U	
BDRK-P-1	6/17/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000037	U	
BDRK-P-1	6/17/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000031	U	
BDRK-P-1	6/17/2003	Dioxins	OCDD	ug/L	0.000015	U	
BDRK-P-1	6/17/2003	Dioxins	OCDF	ug/L	0.0000077	U	
BDRK-P-1	6/17/2003	Dioxins	Total HpCDD	ug/L	0.0000073	U	
BDRK-P-1	6/17/2003	Dioxins	Total HpCDF	ug/L	0.0000055	U	
BDRK-P-1	6/17/2003	Dioxins	Total HxCDD	ug/L	0.0000078	U	
BDRK-P-1	6/17/2003	Dioxins	Total HxCDF	ug/L	0.0000081	U	
BDRK-P-1	6/17/2003	Dioxins	Total PeCDD	ug/L	0.0000078	U	
BDRK-P-1	6/17/2003	Dioxins	Total PeCDF	ug/L	0.000005	U	
BDRK-P-1	6/17/2003	Dioxins	Total TCDD	ug/L	0.0000037	U	
BDRK-P-1	6/17/2003	Dioxins	Total TCDF	ug/L	0.0000031	U	
BDRK-P-1	9/9/2002	Metals	Aluminum	mg/l	5.1	N	
BDRK-P-1	9/9/2002	Metals	Antimony	mg/l	0.02	U	
BDRK-P-1	9/9/2002	Metals	Arsenic	mg/l	0.015		U
BDRK-P-1	9/9/2002	Metals	Barium	mg/l	0.23		
BDRK-P-1	9/9/2002	Metals	Beryllium	mg/l	0.00036	B	
BDRK-P-1	9/9/2002	Metals	Cadmium	mg/l	0.00073	B	
BDRK-P-1	9/9/2002	Metals	Calcium	mg/l	520		
BDRK-P-1	9/9/2002	Metals	Chromium	mg/l	0.034		
BDRK-P-1	9/9/2002	Metals	Cobalt	mg/l	0.0022	B	
BDRK-P-1	9/9/2002	Metals	Copper	mg/l	0.023		
BDRK-P-1	9/9/2002	Metals	Iron	mg/l	9.3		
BDRK-P-1	9/9/2002	Metals	Lead	mg/l	0.0036	B	J
BDRK-P-1	9/9/2002	Metals	Magnesium	mg/l	19		
BDRK-P-1	9/9/2002	Metals	Manganese	mg/l	0.23		
BDRK-P-1	9/9/2002	Metals	Mercury	mg/l	0.00011	B	J
BDRK-P-1	9/9/2002	Metals	Nickel	mg/l	0.032	B	
BDRK-P-1	9/9/2002	Metals	Potassium	mg/l	17		
BDRK-P-1	9/9/2002	Metals	Selenium	mg/l	0.0055	B	
BDRK-P-1	9/9/2002	Metals	Silver	mg/l	0.01	U	
BDRK-P-1	9/9/2002	Metals	Sodium	mg/l	140		
BDRK-P-1	9/9/2002	Metals	Thallium	mg/l	0.01	U	
BDRK-P-1	9/9/2002	Metals	Vanadium	mg/l	0.019		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	9/9/2002	Metals	Zinc	mg/l	0.063		
BDRK-P-1	2/11/2003	Metals	Aluminum	mg/l	18		
BDRK-P-1	2/11/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-P-1	2/11/2003	Metals	Arsenic	mg/l	0.034		
BDRK-P-1	2/11/2003	Metals	Barium	mg/l	0.3		
BDRK-P-1	2/11/2003	Metals	Beryllium	mg/l	0.0012	B	
BDRK-P-1	2/11/2003	Metals	Cadmium	mg/l	0.0028	B	
BDRK-P-1	2/11/2003	Metals	Calcium	mg/l	1300		
BDRK-P-1	2/11/2003	Metals	Chromium	mg/l	0.09		
BDRK-P-1	2/11/2003	Metals	Cobalt	mg/l	0.0071	B	
BDRK-P-1	2/11/2003	Metals	Copper	mg/l	0.038		
BDRK-P-1	2/11/2003	Metals	Iron	mg/l	30		J
BDRK-P-1	2/11/2003	Metals	Lead	mg/l	0.017		
BDRK-P-1	2/11/2003	Metals	Magnesium	mg/l	85		
BDRK-P-1	2/11/2003	Metals	Manganese	mg/l	0.78		
BDRK-P-1	2/11/2003	Metals	Mercury	mg/l	0.00011	B	J
BDRK-P-1	2/11/2003	Metals	Nickel	mg/l	0.058		
BDRK-P-1	2/11/2003	Metals	Potassium	mg/l	18		
BDRK-P-1	2/11/2003	Metals	Selenium	mg/l	0.015		
BDRK-P-1	2/11/2003	Metals	Silver	mg/l	0.01	U	
BDRK-P-1	2/11/2003	Metals	Sodium	mg/l	420		
BDRK-P-1	2/11/2003	Metals	Thallium	mg/l	0.01	U	UJ
BDRK-P-1	2/11/2003	Metals	Vanadium	mg/l	0.052		
BDRK-P-1	2/11/2003	Metals	Zinc	mg/l	0.19		
BDRK-P-1	4/28/2003	Metals	Aluminum	mg/l	3.1		
BDRK-P-1	4/28/2003	Metals	Antimony	mg/l	0.02	U	U
BDRK-P-1	4/28/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-P-1	4/28/2003	Metals	Barium	mg/l	0.19	N	J
BDRK-P-1	4/28/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-P-1	4/28/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-P-1	4/28/2003	Metals	Calcium	mg/l	240		
BDRK-P-1	4/28/2003	Metals	Chromium	mg/l	0.017	N	J
BDRK-P-1	4/28/2003	Metals	Cobalt	mg/l	0.002	B	
BDRK-P-1	4/28/2003	Metals	Copper	mg/l	0.012	B	
BDRK-P-1	4/28/2003	Metals	Iron	mg/l	5.1		
BDRK-P-1	4/28/2003	Metals	Lead	mg/l	0.0072		
BDRK-P-1	4/28/2003	Metals	Magnesium	mg/l	29		
BDRK-P-1	4/28/2003	Metals	Manganese	mg/l	0.12		
BDRK-P-1	4/28/2003	Metals	Mercury	mg/l	0.000088	B	
BDRK-P-1	4/28/2003	Metals	Nickel	mg/l	0.016	BN	J

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	4/28/2003	Metals	Potassium	mg/l	14	E	J
BDRK-P-1	4/28/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-P-1	4/28/2003	Metals	Silver	mg/l	0.01	U	
BDRK-P-1	4/28/2003	Metals	Sodium	mg/l	430		
BDRK-P-1	4/28/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-P-1	4/28/2003	Metals	Vanadium	mg/l	0.0089	B	
BDRK-P-1	4/28/2003	Metals	Zinc	mg/l	0.041		
BDRK-P-1	6/17/2003	Metals	Aluminum	mg/l	1.5		
BDRK-P-1	6/17/2003	Metals	Antimony	mg/l	0.0039	B	
BDRK-P-1	6/17/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-P-1	6/17/2003	Metals	Barium	mg/l	0.13		
BDRK-P-1	6/17/2003	Metals	Beryllium	mg/l	0.004	U	U
BDRK-P-1	6/17/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-P-1	6/17/2003	Metals	Calcium	mg/l	110		
BDRK-P-1	6/17/2003	Metals	Chromium	mg/l	0.0061	B	
BDRK-P-1	6/17/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-P-1	6/17/2003	Metals	Copper	mg/l	0.0052	B	
BDRK-P-1	6/17/2003	Metals	Iron	mg/l	2.3		
BDRK-P-1	6/17/2003	Metals	Lead	mg/l	0.0026	B	
BDRK-P-1	6/17/2003	Metals	Magnesium	mg/l	28		
BDRK-P-1	6/17/2003	Metals	Manganese	mg/l	0.057		
BDRK-P-1	6/17/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-P-1	6/17/2003	Metals	Nickel	mg/l	0.0072	B	
BDRK-P-1	6/17/2003	Metals	Potassium	mg/l	12	E	
BDRK-P-1	6/17/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-P-1	6/17/2003	Metals	Silver	mg/l	0.01	U	
BDRK-P-1	6/17/2003	Metals	Sodium	mg/l	500		
BDRK-P-1	6/17/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-P-1	6/17/2003	Metals	Vanadium	mg/l	0.01	U	U
BDRK-P-1	6/17/2003	Metals	Zinc	mg/l	0.026	E	
BDRK-P-1	8/2/2005	Metals	Aluminum	mg/l	1.5		
BDRK-P-1	8/2/2005	Metals	Antimony	mg/l	0.02	U	
BDRK-P-1	8/2/2005	Metals	Arsenic	mg/l	0.01	U	
BDRK-P-1	8/2/2005	Metals	Barium	mg/l	0.11		
BDRK-P-1	8/2/2005	Metals	Beryllium	mg/l	0.00015	J	
BDRK-P-1	8/2/2005	Metals	Cadmium	mg/l	0.005	U	
BDRK-P-1	8/2/2005	Metals	Calcium	mg/l	110		
BDRK-P-1	8/2/2005	Metals	Chromium	mg/l	0.0066	J	
BDRK-P-1	8/2/2005	Metals	Cobalt	mg/l	0.01	U	
BDRK-P-1	8/2/2005	Metals	Copper	mg/l	0.0075	J B	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-P-1	8/2/2005	Metals	Iron	mg/l	2		
BDRK-P-1	8/2/2005	Metals	Lead	mg/l	0.0037	J	
BDRK-P-1	8/2/2005	Metals	Magnesium	mg/l	29		
BDRK-P-1	8/2/2005	Metals	Manganese	mg/l	0.051		
BDRK-P-1	8/2/2005	Metals	Mercury	mg/l	0.0002	U	
BDRK-P-1	8/2/2005	Metals	Nickel	mg/l	0.012	J	
BDRK-P-1	8/2/2005	Metals	Potassium	mg/l	11		
BDRK-P-1	8/2/2005	Metals	Selenium	mg/l	0.0063	J	
BDRK-P-1	8/2/2005	Metals	Silver	mg/l	0.01	U	
BDRK-P-1	8/2/2005	Metals	Sodium	mg/l	450		
BDRK-P-1	8/2/2005	Metals	Thallium	mg/l	0.025	U	
BDRK-P-1	8/2/2005	Metals	Vanadium	mg/l	0.004	J	
BDRK-P-1	8/2/2005	Metals	Zinc	mg/l	0.03	B	U
BDRK-P-1	9/9/2002	Other	Alkalinity, Total (as CACO3)	mg/l	13000		
BDRK-P-1	9/9/2002	Other	Carbon Dioxide	mg/l	0		
BDRK-P-1	9/9/2002	Other	Methane	ug/L	1.5		J
BDRK-P-1	9/9/2002	Other	Nitrate-N	mg/l	0.14		
BDRK-P-1	9/9/2002	Other	Sulfate as SO4	mg/l	75		
BDRK-P-1	2/11/2003	Other	Alkalinity, Total (as CACO3)	mg/l	11000		
BDRK-P-1	2/11/2003	Other	Carbon Dioxide	/l as CaC	3		
BDRK-P-1	2/11/2003	Other	Methane	ug/L	11		J
BDRK-P-1	2/11/2003	Other	Nitrate-N	mg/l	0.11		
BDRK-P-1	2/11/2003	Other	Sulfate as SO4	mg/l	160		
BDRK-P-1	4/28/2003	Other	Alkalinity, Total (as CACO3)	mg/l	710		
BDRK-P-1	4/28/2003	Other	Carbon Dioxide	/l as CaC	5.4		
BDRK-P-1	4/28/2003	Other	Methane	ug/L	4.9		J
BDRK-P-1	4/28/2003	Other	Nitrate-N	mg/l	0.026	B	
BDRK-P-1	4/28/2003	Other	Sulfate as SO4	mg/l	160		
BDRK-P-1	6/17/2003	Other	Alkalinity, Total (as CACO3)	mg/l	480		
BDRK-P-1	6/17/2003	Other	Carbon Dioxide	/l as CaC	4.7		
BDRK-P-1	6/17/2003	Other	Methane	ug/L	4.9		
BDRK-P-1	6/17/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-P-1	6/17/2003	Other	Sulfate as SO4	mg/l	160		
BDRK-P-1	8/2/2005	Other	Alkalinity	mg/l	510		
BDRK-P-1	8/2/2005	Other	Ammonia	mg/l	0.93		
BDRK-P-1	8/2/2005	Other	Carbon Dioxide	mg/l	11		
BDRK-P-1	8/2/2005	Other	Chloride	mg/l	490		
BDRK-P-1	8/2/2005	Other	Nitrogen, Nitrate	mg/l	0.11		
BDRK-P-1	8/2/2005	Other	Nitrogen, Nitrate Nitrite	mg/l	0.13		
BDRK-P-1	8/2/2005	Other	Nitrogen, Nitrite	mg/l	0.026	J	

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BDRK-P-1	8/2/2005	Other	Sulfate as SO4	mg/l	150		
BDRK-P-1	8/2/2005	Other	Total Organic Carbon	mg/l	1.6		
SITE Q NORTH							
BDRK-Q-1	9/9/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-1	9/9/2002	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-Q-1	9/9/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-Q-1	9/9/2002	VOCs	Acetone	ug/L	25	U	
BDRK-Q-1	9/9/2002	VOCs	Benzene	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Bromomethane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Chloroethane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Chloroform	ug/L	1.3		
BDRK-Q-1	9/9/2002	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-1	9/9/2002	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Methyl N-Butyl Ketone	ug/L	0.6	J	
BDRK-Q-1	9/9/2002	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Toluene	ug/L	0.73	J	
BDRK-Q-1	9/9/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-1	9/9/2002	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-Q-1	2/10/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	2/10/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-1	2/10/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-Q-1	2/10/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-Q-1	2/10/2003	VOCs	Acetone	ug/L	25	U	
BDRK-Q-1	2/10/2003	VOCs	Benzene	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Carbon Disulfide	ug/L	1		
BDRK-Q-1	2/10/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-1	2/10/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-Q-1	2/10/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Toluene	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-1	2/10/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-Q-1	5/5/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-1	5/5/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-Q-1	5/5/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-Q-1	5/5/2003	VOCs	Acetone	ug/L	25	U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	5/5/2003	VOCs	Benzene	ug/L	0.14	J	
BDRK-Q-1	5/5/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	Bromomethane	ug/L	1	U	UJ
BDRK-Q-1	5/5/2003	VOCs	Carbon Disulfide	ug/L	0.79	J	
BDRK-Q-1	5/5/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	Chloroethane	ug/L	1	U	UJ
BDRK-Q-1	5/5/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	Dichloromethane	ug/L	5	U	UJ
BDRK-Q-1	5/5/2003	VOCs	Ethylbenzene	ug/L	1	U,y	U
BDRK-Q-1	5/5/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-Q-1	5/5/2003	VOCs	Styrene (Monomer)	ug/L	1	U,y	U
BDRK-Q-1	5/5/2003	VOCs	Tetrachloroethene	ug/L	0.7	J	
BDRK-Q-1	5/5/2003	VOCs	Toluene	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	Trichloroethene	ug/L	1	U,z	U
BDRK-Q-1	5/5/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-1	5/5/2003	VOCs	Xylenes, Total	ug/L	2	U,z	U
BDRK-Q-1	6/16/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-1	6/16/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-Q-1	6/16/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-Q-1	6/16/2003	VOCs	Acetone	ug/L	3.1	J	
BDRK-Q-1	6/16/2003	VOCs	Benzene	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Bromomethane	ug/L	1	U	UJ
BDRK-Q-1	6/16/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Chlorobenzene	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	6/16/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-1	6/16/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-Q-1	6/16/2003	VOCs	Styrene (Monomer)	ug/L	0.52	J	
BDRK-Q-1	6/16/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Toluene	ug/L	1	U	U
BDRK-Q-1	6/16/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-1	6/16/2003	VOCs	Xylenes, Total	ug/L	2	U	UJ
BDRK-Q-1	7/28/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-1	7/28/2005	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-Q-1	7/28/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-Q-1	7/28/2005	VOCs	Acetone	ug/L	25	U	
BDRK-Q-1	7/28/2005	VOCs	Benzene	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Bromomethane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Chloroethane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-1	7/28/2005	VOCs	Ethane	ug/L	0.41		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	7/28/2005	VOCs	Ethene	ug/L	0.33	U	
BDRK-Q-1	7/28/2005	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Methane	ug/L	70		
BDRK-Q-1	7/28/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-Q-1	7/28/2005	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Toluene	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-1	7/28/2005	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	UJ
BDRK-Q-1-DUP	5/5/2003	VOCs	Acetone	ug/L	25	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Benzene	ug/L	0.12	J	
BDRK-Q-1-DUP	5/5/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Bromomethane	ug/L	1	U	UJ
BDRK-Q-1-DUP	5/5/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Chloroethane	ug/L	1	U	UJ
BDRK-Q-1-DUP	5/5/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Dichloromethane	ug/L	5	U	UJ
BDRK-Q-1-DUP	5/5/2003	VOCs	Ethylbenzene	ug/L	1	U,y	U
BDRK-Q-1-DUP	5/5/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Styrene (Monomer)	ug/L	1	U,y	U
BDRK-Q-1-DUP	5/5/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Toluene	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1-DUP	5/5/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Trichloroethene	ug/L	1	U,z	U
BDRK-Q-1-DUP	5/5/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-1-DUP	5/5/2003	VOCs	Xylenes, Total	ug/L	2	U,z	U
BDRK-Q-1	9/9/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-Q-1	9/9/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-Q-1	9/9/2002	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-Q-1	9/9/2002	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-Q-1	9/9/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-Q-1	9/9/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	1	J	J
BDRK-Q-1	9/9/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Carbazole	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Chrysene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	0.64	J	
BDRK-Q-1	9/9/2002	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Dinoseb	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Fluorene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Hexachloroethane	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	9/9/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	0.72	J	
BDRK-Q-1	9/9/2002	SVOCs	Isophorone	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Naphthalene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-Q-1	9/9/2002	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2,4-Dichlorophenol	ug/L	2.9	J	
BDRK-Q-1	2/10/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	UJ
BDRK-Q-1	2/10/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-Q-1	2/10/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-Q-1	2/10/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-Q-1	2/10/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-Q-1	2/10/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-Q-1	2/10/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	2/10/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	1.7	J	
BDRK-Q-1	2/10/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-Q-1	2/10/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-Q-1	2/10/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-Q-1	2/10/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	5/5/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-Q-1	5/5/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-Q-1	5/5/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-Q-1	5/5/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-Q-1	5/5/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-Q-1	5/5/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-Q-1	5/5/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	1.1	J	
BDRK-Q-1	5/5/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	5/5/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-Q-1	5/5/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-Q-1	5/5/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-Q-1	5/5/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-Q-1	6/16/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-Q-1	6/16/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-Q-1	6/16/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	6/16/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-Q-1	6/16/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-Q-1	6/16/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-Q-1	6/16/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	1.3	J	
BDRK-Q-1	6/16/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	1.4	J	
BDRK-Q-1	6/16/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	P-Chloroaniline	ug/L	20	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	6/16/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-Q-1	6/16/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-Q-1	6/16/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-Q-1	7/28/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	U	
BDRK-Q-1	7/28/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2-Chloronaphthalene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2-Chlorophenol	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2-Methylnaphthalene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	2-Nitroaniline	ug/L	47	U	
BDRK-Q-1	7/28/2005	SVOCs	2-Nitrophenol	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	U	
BDRK-Q-1	7/28/2005	SVOCs	3-Nitroaniline	ug/L	47	U	
BDRK-Q-1	7/28/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47	U	
BDRK-Q-1	7/28/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	4-Nitrophenol	ug/L	47	U	
BDRK-Q-1	7/28/2005	SVOCs	Acenaphthene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Acenaphthylene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Anthracene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Benzo(a)anthracene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Benzo(a)pyrene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	7/28/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Carbazole	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Chrysene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Dibenzofuran	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Diethyl Phthalate	ug/L	1.5	J B	
BDRK-Q-1	7/28/2005	SVOCs	Dimethyl Phthalate	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Di-n-butylphthalate	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Di-n-octylphthalate	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Dinoseb	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Fluoranthene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Fluorene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Hexachlorobenzene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Hexachlorobutadiene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Hexachloroethane	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Isophorone	ug/L	1.6	J	
BDRK-Q-1	7/28/2005	SVOCs	Naphthalene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Nitrobenzene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	P-Chloroaniline	ug/L	19	U	
BDRK-Q-1	7/28/2005	SVOCs	Phenanthrene	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	Phenol	ug/L	9.4	U	
BDRK-Q-1	7/28/2005	SVOCs	P-Nitroaniline	ug/L	47	U	
BDRK-Q-1	7/28/2005	SVOCs	Pyrene	ug/L	9.4	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1-DUP	5/5/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	1	J	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Di-n-butylphthalate	ug/L	1.2	J	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Fluorene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1-DUP	5/5/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-Q-1-DUP	5/5/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-Q-1	9/9/2002	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-1	9/9/2002	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	9/9/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-1	9/9/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	9/9/2002	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	9/9/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-1	9/9/2002	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-1	9/9/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	9/9/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	9/9/2002	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-1	2/10/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-1	2/10/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	2/10/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-1	2/10/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-1	2/10/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	2/10/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	2/10/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	5/5/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-1	5/5/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	5/5/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-1	5/5/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	5/5/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	5/5/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-1	5/5/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-1	5/5/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	5/5/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	5/5/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	6/16/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-1	6/16/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	6/16/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-1	6/16/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	6/16/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	6/16/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-1	6/16/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-1	6/16/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	6/16/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1	6/16/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-1-DUP	5/5/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-1-DUP	5/5/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1-DUP	5/5/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-1-DUP	5/5/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-1-DUP	5/5/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1-DUP	5/5/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-1-DUP	5/5/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-1	9/9/2002	Pesticides	4,4'-DDD	ug/L	0.1	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	4,4'-DDE	ug/L	0.1	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Aldrin	ug/L	0.05	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	alpha-BHC	ug/L	0.05	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	alpha-Chlordane	ug/L	0.05	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	beta-BHC	ug/L	0.05	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	delta-BHC	ug/L	0.05	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Endosulfan I	ug/L	0.05	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Endosulfan II	ug/L	0.1	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Endrin	ug/L	0.1	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Endrin Aldehyde	ug/L	0.1	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	9/9/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	gamma-Chlordane	ug/L	0.05	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Heptachlor	ug/L	0.05	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-Q-1	9/9/2002	Pesticides	Toxaphene	ug/L	5	U	UJ
BDRK-Q-1	2/10/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-Q-1	2/10/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-Q-1	2/10/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-Q-1	2/10/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-Q-1	2/10/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-Q-1	2/10/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-Q-1	2/10/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-Q-1	2/10/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-Q-1	2/10/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-Q-1	2/10/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-Q-1	2/10/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-Q-1	2/10/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-Q-1	2/10/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-Q-1	5/5/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Aldrin	ug/L	0.05	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	alpha-BHC	ug/L	0.05	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	beta-BHC	ug/L	0.05	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	delta-BHC	ug/L	0.05	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Endosulfan I	ug/L	0.05	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Endosulfan II	ug/L	0.1	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Endrin	ug/L	0.1	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	5/5/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Heptachlor	ug/L	0.05	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-Q-1	5/5/2003	Pesticides	Toxaphene	ug/L	5	U	UJ
BDRK-Q-1-DUP	5/5/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-Q-1-DUP	5/5/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-Q-1	9/9/2002	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-Q-1	9/9/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-Q-1	9/9/2002	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-Q-1	9/9/2002	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-Q-1	9/9/2002	Herbicides	Dalapon	ug/L	120	U	
BDRK-Q-1	9/9/2002	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-Q-1	9/9/2002	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-Q-1	9/9/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-Q-1	9/9/2002	Herbicides	MCPP	ug/L	120	U	
BDRK-Q-1	9/9/2002	Herbicides	Pentachlorophenol	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	2/10/2003	Herbicides	2,4,5-T	ug/L	0.11	J	J
BDRK-Q-1	2/10/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.15	J	J
BDRK-Q-1	2/10/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-Q-1	2/10/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-Q-1	2/10/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-Q-1	2/10/2003	Herbicides	Dicamba	ug/L	0.094	J	
BDRK-Q-1	2/10/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-Q-1	2/10/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	11	J	
BDRK-Q-1	2/10/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-Q-1	2/10/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-Q-1	5/5/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-Q-1	5/5/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-Q-1	5/5/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-Q-1	5/5/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-Q-1	5/5/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-Q-1	5/5/2003	Herbicides	Dicamba	ug/L	0.084	JP	J
BDRK-Q-1	5/5/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-Q-1	5/5/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-Q-1	5/5/2003	Herbicides	MCPP	ug/L	89	JP	J
BDRK-Q-1	5/5/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-Q-1	6/16/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-Q-1	6/16/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-Q-1	6/16/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-Q-1	6/16/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-Q-1	6/16/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-Q-1	6/16/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-Q-1	6/16/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-Q-1	6/16/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-Q-1	6/16/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-Q-1	6/16/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-Q-1	7/28/2005	Herbicides	2,4,5-T	ug/L	0.49	U	
BDRK-Q-1	7/28/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	U	
BDRK-Q-1	7/28/2005	Herbicides	2,4-D	ug/L	0.49	U	
BDRK-Q-1	7/28/2005	Herbicides	2,4-DB	ug/L	0.49	U	
BDRK-Q-1	7/28/2005	Herbicides	Dalapon	ug/L	9.7	U	
BDRK-Q-1	7/28/2005	Herbicides	Dicamba	ug/L	0.49	U	
BDRK-Q-1	7/28/2005	Herbicides	Dichlorprop	ug/L	0.49	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	7/28/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-Q-1	7/28/2005	Herbicides	MCPP	ug/L	120	U	
BDRK-Q-1	7/28/2005	Herbicides	Pentachlorophenol	ug/L	0.24	U	
BDRK-Q-1-DUP	5/5/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-Q-1-DUP	5/5/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-Q-1-DUP	5/5/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-Q-1-DUP	5/5/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-Q-1-DUP	5/5/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-Q-1-DUP	5/5/2003	Herbicides	Dicamba	ug/L	0.077	JP	J
BDRK-Q-1-DUP	5/5/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-Q-1-DUP	5/5/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-Q-1-DUP	5/5/2003	Herbicides	MCPP	ug/L	190	P	J
BDRK-Q-1-DUP	5/5/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000044	U	
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000038	U	
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.000005	U	
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000044	U	UJ
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000046	U	
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000046	U	UJ
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000046	U	
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000042	U	UJ
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000056	U	
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000051	U	
BDRK-Q-1	9/9/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000069	U	UJ
BDRK-Q-1	9/9/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000049	U	
BDRK-Q-1	9/9/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.000005	U	
BDRK-Q-1	9/9/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.0000041	U	
BDRK-Q-1	9/9/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000028	U	UJ
BDRK-Q-1	9/9/2002	Dioxins	OCDD	ug/L	0.000018	U	
BDRK-Q-1	9/9/2002	Dioxins	OCDF	ug/L	0.0000058	U	
BDRK-Q-1	9/9/2002	Dioxins	Total HpCDD	ug/L	0.0000044	U	
BDRK-Q-1	9/9/2002	Dioxins	Total HpCDF	ug/L	0.000005	U	
BDRK-Q-1	9/9/2002	Dioxins	Total HxCDD	ug/L	0.0000046	U	UJ
BDRK-Q-1	9/9/2002	Dioxins	Total HxCDF	ug/L	0.0000056	U	
BDRK-Q-1	9/9/2002	Dioxins	Total PeCDD	ug/L	0.0000069	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	9/9/2002	Dioxins	Total PeCDF	ug/L	0.0000051	U	
BDRK-Q-1	9/9/2002	Dioxins	Total TCDD	ug/L	0.0000041	U	
BDRK-Q-1	9/9/2002	Dioxins	Total TCDF	ug/L	0.0000028	U	UJ
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000077	U	
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000041	U	UJ
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000054	U	
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000076	U	UJ
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000057	U	
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000076	U	
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000054	U	
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000073	U	
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000072	U	
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000056	U	
BDRK-Q-1	2/10/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000095	U	
BDRK-Q-1	2/10/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.000006	U	UJ
BDRK-Q-1	2/10/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000054	U	
BDRK-Q-1	2/10/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000042	U	
BDRK-Q-1	2/10/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000034	U	
BDRK-Q-1	2/10/2003	Dioxins	OCDD	ug/L	0.00006	J	
BDRK-Q-1	2/10/2003	Dioxins	OCDF	ug/L	0.0000085	U	UJ
BDRK-Q-1	2/10/2003	Dioxins	Total HpCDD	ug/L	0.0000077	U	
BDRK-Q-1	2/10/2003	Dioxins	Total HpCDF	ug/L	0.0000054	U	
BDRK-Q-1	2/10/2003	Dioxins	Total HxCDD	ug/L	0.0000076	U	
BDRK-Q-1	2/10/2003	Dioxins	Total HxCDF	ug/L	0.0000072	U	
BDRK-Q-1	2/10/2003	Dioxins	Total PeCDD	ug/L	0.0000095	U	
BDRK-Q-1	2/10/2003	Dioxins	Total PeCDF	ug/L	0.0000056	U	
BDRK-Q-1	2/10/2003	Dioxins	Total TCDD	ug/L	0.0000042	U	
BDRK-Q-1	2/10/2003	Dioxins	Total TCDF	ug/L	0.0000034	U	
BDRK-Q-1	5/5/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000052	U	
BDRK-Q-1	5/5/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000085	U	
BDRK-Q-1	5/5/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000021	U	
BDRK-Q-1	5/5/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000034	U	
BDRK-Q-1	5/5/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000033	U	
BDRK-Q-1	5/5/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000036	U	

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BDRK-Q-1	5/5/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000032	U	
BDRK-Q-1	5/5/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000033	U	
BDRK-Q-1	5/5/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000037	U	
BDRK-Q-1	5/5/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000027	U	
BDRK-Q-1	5/5/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000046	U	
BDRK-Q-1	5/5/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000034	U	
BDRK-Q-1	5/5/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000027	U	
BDRK-Q-1	5/5/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000024	U	
BDRK-Q-1	5/5/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000017	U	
BDRK-Q-1	5/5/2003	Dioxins	OCDD	ug/L	0.000017	U	
BDRK-Q-1	5/5/2003	Dioxins	OCDF	ug/L	0.00001	U	
BDRK-Q-1	5/5/2003	Dioxins	Total HpCDD	ug/L	0.0000052	U	
BDRK-Q-1	5/5/2003	Dioxins	Total HpCDF	ug/L	0.0000085	U	
BDRK-Q-1	5/5/2003	Dioxins	Total HxCDD	ug/L	0.0000036	U	
BDRK-Q-1	5/5/2003	Dioxins	Total HxCDF	ug/L	0.0000037	U	
BDRK-Q-1	5/5/2003	Dioxins	Total PeCDD	ug/L	0.0000046	U	
BDRK-Q-1	5/5/2003	Dioxins	Total PeCDF	ug/L	0.0000027	U	
BDRK-Q-1	5/5/2003	Dioxins	Total TCDD	ug/L	0.0000038	U	
BDRK-Q-1	5/5/2003	Dioxins	Total TCDF	ug/L	0.0000017	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.000004	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000028	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.000003	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000051	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000047	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000051	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000044	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000047	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000051	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.000003	U	
BDRK-Q-1	6/16/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000062	U	
BDRK-Q-1	6/16/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000049	U	
BDRK-Q-1	6/16/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.000003	U	
BDRK-Q-1	6/16/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.000003	U	
BDRK-Q-1	6/16/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000022	U	
BDRK-Q-1	6/16/2003	Dioxins	OCDD	ug/L	0.00001	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	6/16/2003	Dioxins	OCDF	ug/L	0.0000076	U	
BDRK-Q-1	6/16/2003	Dioxins	Total HpCDD	ug/L	0.000004	U	
BDRK-Q-1	6/16/2003	Dioxins	Total HpCDF	ug/L	0.000003	U	
BDRK-Q-1	6/16/2003	Dioxins	Total HxCDD	ug/L	0.0000051	U	
BDRK-Q-1	6/16/2003	Dioxins	Total HxCDF	ug/L	0.0000051	U	
BDRK-Q-1	6/16/2003	Dioxins	Total PeCDD	ug/L	0.0000062	U	
BDRK-Q-1	6/16/2003	Dioxins	Total PeCDF	ug/L	0.000003	U	
BDRK-Q-1	6/16/2003	Dioxins	Total TCDD	ug/L	0.000003	U	
BDRK-Q-1	6/16/2003	Dioxins	Total TCDF	ug/L	0.0000022	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000063	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000049	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000042	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000071	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000042	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.000006	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000038	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000063	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000045	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000046	U	
BDRK-Q-1	7/28/2005	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000084	U	
BDRK-Q-1	7/28/2005	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000042	U	
BDRK-Q-1	7/28/2005	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000047	U	
BDRK-Q-1	7/28/2005	Dioxins	2,3,7,8-TCDD	ug/L	0.0000037	U	
BDRK-Q-1	7/28/2005	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000034	U	
BDRK-Q-1	7/28/2005	Dioxins	OCDD	ug/L	0.000021	U	
BDRK-Q-1	7/28/2005	Dioxins	OCDF	ug/L	0.000008	U	
BDRK-Q-1	7/28/2005	Dioxins	Total HpCDD	ug/L	0.0000063	U	
BDRK-Q-1	7/28/2005	Dioxins	Total HpCDF	ug/L	0.0000049	U	
BDRK-Q-1	7/28/2005	Dioxins	Total HxCDD	ug/L	0.0000071	U	
BDRK-Q-1	7/28/2005	Dioxins	Total HxCDF	ug/L	0.0000045	U	
BDRK-Q-1	7/28/2005	Dioxins	Total PeCDD	ug/L	0.0000084	U	
BDRK-Q-1	7/28/2005	Dioxins	Total PeCDF	ug/L	0.0000047	U	
BDRK-Q-1	7/28/2005	Dioxins	Total TCDD	ug/L	0.0000037	U	
BDRK-Q-1	7/28/2005	Dioxins	Total TCDF	ug/L	0.0000034	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000055	U	

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BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.000007	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000022	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.000004	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000032	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000042	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000031	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000038	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000036	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000028	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000044	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000033	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000028	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000028	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000019	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	OCDD	ug/L	0.000015	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	OCDF	ug/L	0.0000083	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	Total HpCDD	ug/L	0.0000055	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	Total HpCDF	ug/L	0.000007	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	Total HxCDD	ug/L	0.0000042	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	Total HxCDF	ug/L	0.0000036	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	Total PeCDD	ug/L	0.0000044	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	Total PeCDF	ug/L	0.0000028	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	Total TCDD	ug/L	0.000004	U	
BDRK-Q-1-DUP	5/5/2003	Dioxins	Total TCDF	ug/L	0.0000019	U	
BDRK-Q-1	9/9/2002	Metals	Aluminum	mg/l	40	N	
BDRK-Q-1	9/9/2002	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-1	9/9/2002	Metals	Arsenic	mg/l	0.064		
BDRK-Q-1	9/9/2002	Metals	Barium	mg/l	0.58		
BDRK-Q-1	9/9/2002	Metals	Beryllium	mg/l	0.0017	B	
BDRK-Q-1	9/9/2002	Metals	Cadmium	mg/l	0.0032	B	
BDRK-Q-1	9/9/2002	Metals	Calcium	mg/l	1500		
BDRK-Q-1	9/9/2002	Metals	Chromium	mg/l	0.088		
BDRK-Q-1	9/9/2002	Metals	Cobalt	mg/l	0.018		
BDRK-Q-1	9/9/2002	Metals	Copper	mg/l	0.058		
BDRK-Q-1	9/9/2002	Metals	Iron	mg/l	51		
BDRK-Q-1	9/9/2002	Metals	Lead	mg/l	0.027		J
BDRK-Q-1	9/9/2002	Metals	Magnesium	mg/l	78		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	9/9/2002	Metals	Manganese	mg/l	0.53		
BDRK-Q-1	9/9/2002	Metals	Mercury	mg/l	0.00024		J
BDRK-Q-1	9/9/2002	Metals	Nickel	mg/l	0.13		
BDRK-Q-1	9/9/2002	Metals	Potassium	mg/l	26		
BDRK-Q-1	9/9/2002	Metals	Selenium	mg/l	0.014		
BDRK-Q-1	9/9/2002	Metals	Silver	mg/l	0.01	U	
BDRK-Q-1	9/9/2002	Metals	Sodium	mg/l	130		
BDRK-Q-1	9/9/2002	Metals	Thallium	mg/l	0.01	U	
BDRK-Q-1	9/9/2002	Metals	Vanadium	mg/l	0.1		
BDRK-Q-1	9/9/2002	Metals	Zinc	mg/l	0.17		
BDRK-Q-1	2/10/2003	Metals	Aluminum	mg/l	0.13	B	
BDRK-Q-1	2/10/2003	Metals	Antimony	mg/l	0.02	U	UJ
BDRK-Q-1	2/10/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-Q-1	2/10/2003	Metals	Barium	mg/l	0.26		
BDRK-Q-1	2/10/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-1	2/10/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-1	2/10/2003	Metals	Calcium	mg/l	47		
BDRK-Q-1	2/10/2003	Metals	Chromium	mg/l	0.01	U	
BDRK-Q-1	2/10/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-Q-1	2/10/2003	Metals	Copper	mg/l	0.0019	B	
BDRK-Q-1	2/10/2003	Metals	Iron	mg/l	0.23		J
BDRK-Q-1	2/10/2003	Metals	Lead	mg/l	0.005	U	
BDRK-Q-1	2/10/2003	Metals	Magnesium	mg/l	33		
BDRK-Q-1	2/10/2003	Metals	Manganese	mg/l	0.0054	B	
BDRK-Q-1	2/10/2003	Metals	Mercury	mg/l	0.0002	U	UJ
BDRK-Q-1	2/10/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-Q-1	2/10/2003	Metals	Potassium	mg/l	5.5		
BDRK-Q-1	2/10/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-Q-1	2/10/2003	Metals	Silver	mg/l	0.01	U	
BDRK-Q-1	2/10/2003	Metals	Sodium	mg/l	130		
BDRK-Q-1	2/10/2003	Metals	Thallium	mg/l	0.01	U	UJ
BDRK-Q-1	2/10/2003	Metals	Vanadium	mg/l	0.01		U
BDRK-Q-1	2/10/2003	Metals	Zinc	mg/l	0.025		
BDRK-Q-1	5/5/2003	Metals	Aluminum	mg/l	1.8		
BDRK-Q-1	5/5/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-1	5/5/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-Q-1	5/5/2003	Metals	Barium	mg/l	0.32		
BDRK-Q-1	5/5/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-1	5/5/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-1	5/5/2003	Metals	Calcium	mg/l	79		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	5/5/2003	Metals	Chromium	mg/l	0.0047	B	
BDRK-Q-1	5/5/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-Q-1	5/5/2003	Metals	Copper	mg/l	0.0037	B	
BDRK-Q-1	5/5/2003	Metals	Iron	mg/l	2.5		J
BDRK-Q-1	5/5/2003	Metals	Lead	mg/l	0.005	U	UJ
BDRK-Q-1	5/5/2003	Metals	Magnesium	mg/l	42		
BDRK-Q-1	5/5/2003	Metals	Manganese	mg/l	0.062		
BDRK-Q-1	5/5/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-Q-1	5/5/2003	Metals	Nickel	mg/l	0.006	B	
BDRK-Q-1	5/5/2003	Metals	Potassium	mg/l	6.2		
BDRK-Q-1	5/5/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-Q-1	5/5/2003	Metals	Silver	mg/l	0.01	U	
BDRK-Q-1	5/5/2003	Metals	Sodium	mg/l	130		J
BDRK-Q-1	5/5/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-Q-1	5/5/2003	Metals	Vanadium	mg/l	0.0043	B	
BDRK-Q-1	5/5/2003	Metals	Zinc	mg/l	0.0077	B	
BDRK-Q-1	6/16/2003	Metals	Aluminum	mg/l	16		
BDRK-Q-1	6/16/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-1	6/16/2003	Metals	Arsenic	mg/l	0.019		
BDRK-Q-1	6/16/2003	Metals	Barium	mg/l	0.53		
BDRK-Q-1	6/16/2003	Metals	Beryllium	mg/l	0.004	U	U
BDRK-Q-1	6/16/2003	Metals	Cadmium	mg/l	0.0016	B	
BDRK-Q-1	6/16/2003	Metals	Calcium	mg/l	430		
BDRK-Q-1	6/16/2003	Metals	Chromium	mg/l	0.046		
BDRK-Q-1	6/16/2003	Metals	Cobalt	mg/l	0.0059	B	
BDRK-Q-1	6/16/2003	Metals	Copper	mg/l	0.023		
BDRK-Q-1	6/16/2003	Metals	Iron	mg/l	17		
BDRK-Q-1	6/16/2003	Metals	Lead	mg/l	0.01		
BDRK-Q-1	6/16/2003	Metals	Magnesium	mg/l	60		
BDRK-Q-1	6/16/2003	Metals	Manganese	mg/l	0.2		
BDRK-Q-1	6/16/2003	Metals	Mercury	mg/l	0.000086	B	
BDRK-Q-1	6/16/2003	Metals	Nickel	mg/l	0.05		
BDRK-Q-1	6/16/2003	Metals	Potassium	mg/l	14	E	J
BDRK-Q-1	6/16/2003	Metals	Selenium	mg/l	0.01	U	U
BDRK-Q-1	6/16/2003	Metals	Silver	mg/l	0.01	U	
BDRK-Q-1	6/16/2003	Metals	Sodium	mg/l	130		
BDRK-Q-1	6/16/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-Q-1	6/16/2003	Metals	Vanadium	mg/l	0.01		U
BDRK-Q-1	6/16/2003	Metals	Zinc	mg/l	0.089	E	J
BDRK-Q-1	7/28/2005	Metals	Aluminum	mg/l	2.4		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1	7/28/2005	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-1	7/28/2005	Metals	Arsenic	mg/l	0.0062	J	U
BDRK-Q-1	7/28/2005	Metals	Barium	mg/l	0.37		
BDRK-Q-1	7/28/2005	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-1	7/28/2005	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-1	7/28/2005	Metals	Calcium	mg/l	65		
BDRK-Q-1	7/28/2005	Metals	Chromium	mg/l	0.0073	J	
BDRK-Q-1	7/28/2005	Metals	Cobalt	mg/l	0.01	U	
BDRK-Q-1	7/28/2005	Metals	Copper	mg/l	0.02	U	
BDRK-Q-1	7/28/2005	Metals	Iron	mg/l	1.8		
BDRK-Q-1	7/28/2005	Metals	Lead	mg/l	0.0034	J	
BDRK-Q-1	7/28/2005	Metals	Magnesium	mg/l	37		
BDRK-Q-1	7/28/2005	Metals	Manganese	mg/l	0.03		
BDRK-Q-1	7/28/2005	Metals	Mercury	mg/l	0.0002	U	
BDRK-Q-1	7/28/2005	Metals	Nickel	mg/l	0.0072	J	U
BDRK-Q-1	7/28/2005	Metals	Potassium	mg/l	6.5		
BDRK-Q-1	7/28/2005	Metals	Selenium	mg/l	0.01	U	
BDRK-Q-1	7/28/2005	Metals	Silver	mg/l	0.01	U	
BDRK-Q-1	7/28/2005	Metals	Sodium	mg/l	120		
BDRK-Q-1	7/28/2005	Metals	Thallium	mg/l	0.025	U	
BDRK-Q-1	7/28/2005	Metals	Vanadium	mg/l	0.005	J	
BDRK-Q-1	7/28/2005	Metals	Zinc	mg/l	0.008	J	
BDRK-Q-1-DUP	5/5/2003	Metals	Aluminum	mg/l	1.2		
BDRK-Q-1-DUP	5/5/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-1-DUP	5/5/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-Q-1-DUP	5/5/2003	Metals	Barium	mg/l	0.3		
BDRK-Q-1-DUP	5/5/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-1-DUP	5/5/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-1-DUP	5/5/2003	Metals	Calcium	mg/l	70		
BDRK-Q-1-DUP	5/5/2003	Metals	Chromium	mg/l	0.0028	B	
BDRK-Q-1-DUP	5/5/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-Q-1-DUP	5/5/2003	Metals	Copper	mg/l	0.02	U	
BDRK-Q-1-DUP	5/5/2003	Metals	Iron	mg/l	1.3		J
BDRK-Q-1-DUP	5/5/2003	Metals	Lead	mg/l	0.005	U	UJ
BDRK-Q-1-DUP	5/5/2003	Metals	Magnesium	mg/l	40		
BDRK-Q-1-DUP	5/5/2003	Metals	Manganese	mg/l	0.051		
BDRK-Q-1-DUP	5/5/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-Q-1-DUP	5/5/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-Q-1-DUP	5/5/2003	Metals	Potassium	mg/l	5.6		
BDRK-Q-1-DUP	5/5/2003	Metals	Selenium	mg/l	0.01	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-1-DUP	5/5/2003	Metals	Silver	mg/l	0.01	U	
BDRK-Q-1-DUP	5/5/2003	Metals	Sodium	mg/l	130		J
BDRK-Q-1-DUP	5/5/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-Q-1-DUP	5/5/2003	Metals	Vanadium	mg/l	0.01	B	U
BDRK-Q-1-DUP	5/5/2003	Metals	Zinc	mg/l	0.0043	B	
BDRK-Q-1	9/9/2002	Other	Alkalinity, Total (as CACO3)	mg/l	2000		
BDRK-Q-1	9/9/2002	Other	Carbon Dioxide	mg/l	20		
BDRK-Q-1	9/9/2002	Other	Methane	ug/L	5.8		J
BDRK-Q-1	9/9/2002	Other	Nitrate-N	mg/l	0.7		
BDRK-Q-1	9/9/2002	Other	Sulfate as SO4	mg/l	32		
BDRK-Q-1	2/10/2003	Other	Alkalinity, Total (as CACO3)	mg/l	410		
BDRK-Q-1	2/10/2003	Other	Carbon Dioxide	/l as CaC	6.6		
BDRK-Q-1	2/10/2003	Other	Methane	ug/L	18		J
BDRK-Q-1	2/10/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-Q-1	2/10/2003	Other	Sulfate as SO4	mg/l	41		
BDRK-Q-1	5/5/2003	Other	Alkalinity, Total (as CACO3)	mg/l	510		
BDRK-Q-1	5/5/2003	Other	Carbon Dioxide	/l as CaC	27		
BDRK-Q-1	5/5/2003	Other	Methane	ug/L	38		
BDRK-Q-1	5/5/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-Q-1	5/5/2003	Other	Sulfate as SO4	mg/l	53		
BDRK-Q-1	6/16/2003	Other	Alkalinity, Total (as CACO3)	mg/l	2800		
BDRK-Q-1	6/16/2003	Other	Carbon Dioxide	/l as CaC	25		
BDRK-Q-1	6/16/2003	Other	Methane	ug/L	19		
BDRK-Q-1	6/16/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-Q-1	6/16/2003	Other	Sulfate as SO4	mg/l	69		
BDRK-Q-1	7/28/2005	Other	Alkalinity	mg/l	470		
BDRK-Q-1	7/28/2005	Other	Ammonia	mg/l	0.74		
BDRK-Q-1	7/28/2005	Other	Carbon Dioxide	mg/l	17		
BDRK-Q-1	7/28/2005	Other	Chloride	mg/l	77		
BDRK-Q-1	7/28/2005	Other	Nitrogen, Nitrate	mg/l	0.05	U	
BDRK-Q-1	7/28/2005	Other	Nitrogen, Nitrate Nitrite	mg/l	0.05	U	
BDRK-Q-1	7/28/2005	Other	Nitrogen, Nitrite	mg/l	0.05	U	
BDRK-Q-1	7/28/2005	Other	Sulfate as SO4	mg/l	33		
BDRK-Q-1	7/28/2005	Other	Total Organic Carbon	mg/l	1		
BDRK-Q-1-DUP	5/5/2003	Other	Alkalinity, Total (as CACO3)	mg/l	480		
BDRK-Q-1-DUP	5/5/2003	Other	Carbon Dioxide	/l as CaC	24		
BDRK-Q-1-DUP	5/5/2003	Other	Methane	ug/L	44		
BDRK-Q-1-DUP	5/5/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-Q-1-DUP	5/5/2003	Other	Sulfate as SO4	mg/l	52		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
SITE Q SOUTH							
BDRK-Q-2	9/3/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	UJ
BDRK-Q-2	9/3/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	1,2-Dichloroethene (total)	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-Q-2	9/3/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-Q-2	9/3/2002	VOCs	Acetone	ug/L	25	U	
BDRK-Q-2	9/3/2002	VOCs	Benzene	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Bromomethane	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Chloroethane	ug/L	1	U	UJ
BDRK-Q-2	9/3/2002	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-2	9/3/2002	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	UJ
BDRK-Q-2	9/3/2002	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Toluene	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-2	9/3/2002	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-Q-2	2/13/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	UJ
BDRK-Q-2	2/13/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	2/13/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-2	2/13/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	2-Butanone (MEK)	ug/L	2.9	J	J
BDRK-Q-2	2/13/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	1	J	
BDRK-Q-2	2/13/2003	VOCs	Acetone	ug/L	25	U	
BDRK-Q-2	2/13/2003	VOCs	Benzene	ug/L	0.22	J	
BDRK-Q-2	2/13/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Carbon Disulfide	ug/L	0.29	J	
BDRK-Q-2	2/13/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Chloroethane	ug/L	1	U	UJ
BDRK-Q-2	2/13/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-2	2/13/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Methyl N-Butyl Ketone	ug/L	1.1	J	
BDRK-Q-2	2/13/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Toluene	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-2	2/13/2003	VOCs	Xylenes, Total	ug/L	1.8	J	
BDRK-Q-2	4/25/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	UJ
BDRK-Q-2	4/25/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	UJ
BDRK-Q-2	4/25/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	UJ
BDRK-Q-2	4/25/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	UJ
BDRK-Q-2	4/25/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-2	4/25/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	UJ
BDRK-Q-2	4/25/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	UJ
BDRK-Q-2	4/25/2003	VOCs	Benzene	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Bromoform	ug/L	1	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	4/25/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Chloromethane	ug/L	1	U	UJ
BDRK-Q-2	4/25/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-2	4/25/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	UJ
BDRK-Q-2	4/25/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Toluene	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-2	4/25/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-Q-2	6/23/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	UJ
BDRK-Q-2	6/23/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-2	6/23/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	UJ
BDRK-Q-2	6/23/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-Q-2	6/23/2003	VOCs	Acetone	ug/L	6.4	J	U
BDRK-Q-2	6/23/2003	VOCs	Benzene	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Chloroform	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	6/23/2003	VOCs	Chloromethane	ug/L	1	U	UJ
BDRK-Q-2	6/23/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-2	6/23/2003	VOCs	Ethylbenzene	ug/L	1		U
BDRK-Q-2	6/23/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-Q-2	6/23/2003	VOCs	Styrene (Monomer)	ug/L	1		U
BDRK-Q-2	6/23/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Toluene	ug/L	1		U
BDRK-Q-2	6/23/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-2	6/23/2003	VOCs	Vinyl chloride	ug/L	1	U	UJ
BDRK-Q-2	6/23/2003	VOCs	Xylenes, Total	ug/L	2	U	UJ
BDRK-Q-2	8/1/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-2	8/1/2005	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-Q-2	8/1/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-Q-2	8/1/2005	VOCs	Acetone	ug/L	25	U	
BDRK-Q-2	8/1/2005	VOCs	Benzene	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Bromomethane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Chloroethane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-2	8/1/2005	VOCs	Ethane	ug/L	0.35	U	
BDRK-Q-2	8/1/2005	VOCs	Ethene	ug/L	0.33	U	
BDRK-Q-2	8/1/2005	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Methane	ug/L	46		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	8/1/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-Q-2	8/1/2005	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Toluene	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-2	8/1/2005	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-Q-2-D	8/1/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-Q-2-D	8/1/2005	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-Q-2-D	8/1/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-Q-2-D	8/1/2005	VOCs	Acetone	ug/L	25	U	
BDRK-Q-2-D	8/1/2005	VOCs	Benzene	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Bromomethane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Chloroethane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-2-D	8/1/2005	VOCs	Ethane	ug/L	0.35	U	
BDRK-Q-2-D	8/1/2005	VOCs	Ethene	ug/L	0.33	U	
BDRK-Q-2-D	8/1/2005	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Methane	ug/L	59		
BDRK-Q-2-D	8/1/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-Q-2-D	8/1/2005	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Toluene	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2-D	8/1/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-2-D	8/1/2005	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	UJ
BDRK-Q-2-DUP	9/3/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	1,2-Dichloroethene (total)	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Acetone	ug/L	25	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Benzene	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Bromoform	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Bromomethane	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Chloroethane	ug/L	1	U	UJ
BDRK-Q-2-DUP	9/3/2002	VOCs	Chloroform	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Chloromethane	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Dichloromethane	ug/L	5	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	UJ
BDRK-Q-2-DUP	9/3/2002	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Toluene	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Trichloroethene	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-Q-2-DUP	9/3/2002	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-Q-2	9/3/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	9/3/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-Q-2	9/3/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-Q-2	9/3/2002	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-Q-2	9/3/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-Q-2	9/3/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-Q-2	9/3/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-Q-2	9/3/2002	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Anthracene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Carbazole	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Chrysene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	9/3/2002	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Dinoseb	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Fluorene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Isophorone	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Naphthalene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-Q-2	9/3/2002	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	Phenol	ug/L	10	U	
BDRK-Q-2	9/3/2002	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-Q-2	9/3/2002	SVOCs	Pyrene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-Q-2	2/13/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	2/13/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-Q-2	2/13/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-Q-2	2/13/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-Q-2	2/13/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-Q-2	2/13/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-Q-2	2/13/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Isophorone	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	2/13/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-Q-2	2/13/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-Q-2	2/13/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-Q-2	2/13/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-Q-2	4/25/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-Q-2	4/25/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-Q-2	4/25/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-Q-2	4/25/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-Q-2	4/25/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-Q-2	4/25/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Anthracene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	4/25/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-Q-2	4/25/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-Q-2	4/25/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-Q-2	4/25/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	6/23/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-Q-2	6/23/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-Q-2	6/23/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-Q-2	6/23/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-Q-2	6/23/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-Q-2	6/23/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-Q-2	6/23/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	UJ
BDRK-Q-2	6/23/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	UJ
BDRK-Q-2	6/23/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	UJ
BDRK-Q-2	6/23/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	UJ
BDRK-Q-2	6/23/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	UJ
BDRK-Q-2	6/23/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	6/23/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-Q-2	6/23/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-Q-2	6/23/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-Q-2	6/23/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-Q-2	8/1/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2-Chloronaphthalene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2-Chlorophenol	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2-Methylnaphthalene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2-Nitroaniline	ug/L	48	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	2-Nitrophenol	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.5	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	8/1/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	3-Nitroaniline	ug/L	48	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	4-Nitrophenol	ug/L	48	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Acenaphthene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Acenaphthylene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Anthracene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Benzo(a)anthracene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Benzo(a)pyrene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Carbazole	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Chrysene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Dibenzofuran	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Diethyl Phthalate	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Dimethyl Phthalate	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Di-n-butylphthalate	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Di-n-octylphthalate	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Dinoseb	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Fluoranthene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Fluorene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Hexachlorobenzene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Hexachlorobutadiene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Hexachloroethane	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Isophorone	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Naphthalene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Nitrobenzene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.5	U	UJ

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	8/1/2005	SVOCs	P-Chloroaniline	ug/L	19	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Phenanthrene	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Phenol	ug/L	9.5	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	P-Nitroaniline	ug/L	48	U	UJ
BDRK-Q-2	8/1/2005	SVOCs	Pyrene	ug/L	9.5	U	UJ
BDRK-Q-2-D	8/1/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2-Chloronaphthalene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2-Chlorophenol	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2-Methylnaphthalene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2-Nitroaniline	ug/L	48	U	
BDRK-Q-2-D	8/1/2005	SVOCs	2-Nitrophenol	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	U	
BDRK-Q-2-D	8/1/2005	SVOCs	3-Nitroaniline	ug/L	48	U	
BDRK-Q-2-D	8/1/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48	U	
BDRK-Q-2-D	8/1/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	4-Nitrophenol	ug/L	48	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Acenaphthene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Acenaphthylene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Anthracene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Benzo(a)anthracene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Benzo(a)pyrene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.6	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2-D	8/1/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Carbazole	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Chrysene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Dibenzofuran	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Diethyl Phthalate	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Dimethyl Phthalate	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Di-n-butylphthalate	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Di-n-octylphthalate	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Dinoseb	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Fluoranthene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Fluorene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Hexachlorobenzene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Hexachlorobutadiene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Hexachloroethane	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Isophorone	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Naphthalene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Nitrobenzene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	P-Chloroaniline	ug/L	19	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Phenanthrene	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Phenol	ug/L	9.6	U	
BDRK-Q-2-D	8/1/2005	SVOCs	P-Nitroaniline	ug/L	48	U	
BDRK-Q-2-D	8/1/2005	SVOCs	Pyrene	ug/L	9.6	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2-DUP	9/3/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Anthracene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Carbazole	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Chrysene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Dinoseb	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Fluoranthene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2-DUP	9/3/2002	SVOCs	Fluorene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Isophorone	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Naphthalene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Phenol	ug/L	10	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-Q-2-DUP	9/3/2002	SVOCs	Pyrene	ug/L	10	U	
BDRK-Q-2	9/3/2002	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-2	9/3/2002	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	9/3/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-2	9/3/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	9/3/2002	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	9/3/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-2	9/3/2002	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-2	9/3/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	9/3/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	9/3/2002	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-2	2/13/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-2	2/13/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	2/13/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-2	2/13/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-2	2/13/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	2/13/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	2/13/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-2	4/25/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-2	4/25/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	4/25/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-2	4/25/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-2	4/25/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	4/25/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	4/25/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-2	6/23/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-2	6/23/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	6/23/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-2	6/23/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-2	6/23/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	6/23/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2	6/23/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2-DUP	9/3/2002	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-2-DUP	9/3/2002	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2-DUP	9/3/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-2-DUP	9/3/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2-DUP	9/3/2002	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2-DUP	9/3/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-Q-2-DUP	9/3/2002	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-Q-2-DUP	9/3/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2-DUP	9/3/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-Q-2-DUP	9/3/2002	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-Q-2	9/3/2002	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-Q-2	9/3/2002	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-Q-2	9/3/2002	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-Q-2	9/3/2002	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-Q-2	9/3/2002	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-Q-2	9/3/2002	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-Q-2	9/3/2002	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-Q-2	9/3/2002	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-Q-2	9/3/2002	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-Q-2	9/3/2002	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-Q-2	9/3/2002	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-Q-2	9/3/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-Q-2	9/3/2002	Pesticides	Endrin	ug/L	0.1	U	UJ
BDRK-Q-2	9/3/2002	Pesticides	Endrin Aldehyde	ug/L	0.1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	9/3/2002	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-Q-2	9/3/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-Q-2	9/3/2002	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-Q-2	9/3/2002	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-Q-2	9/3/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-Q-2	9/3/2002	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-Q-2	9/3/2002	Pesticides	Toxaphene	ug/L	5	U	
BDRK-Q-2	2/13/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-Q-2	2/13/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-Q-2	2/13/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-Q-2	2/13/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-Q-2	2/13/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-Q-2	2/13/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-Q-2	2/13/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-Q-2	2/13/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-Q-2	2/13/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-Q-2	2/13/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-Q-2	2/13/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-Q-2	2/13/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-Q-2	2/13/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-Q-2	4/25/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-Q-2	4/25/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-Q-2	4/25/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-Q-2	4/25/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-Q-2	4/25/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-Q-2	4/25/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-Q-2	4/25/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	4/25/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-Q-2	4/25/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-Q-2	4/25/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-Q-2	4/25/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-Q-2	4/25/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-Q-2	4/25/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-Q-2	4/25/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-Q-2	6/23/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-Q-2	6/23/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-Q-2	6/23/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-Q-2	6/23/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-Q-2	6/23/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-Q-2	6/23/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-Q-2	6/23/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-Q-2	6/23/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-Q-2	6/23/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-Q-2	6/23/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-Q-2	6/23/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-Q-2	6/23/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-Q-2	6/23/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-Q-2	6/23/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-Q-2-DUP	9/3/2002	Pesticides	Endosulfan I	ug/L	0.05	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2-DUP	9/3/2002	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-Q-2-DUP	9/3/2002	Pesticides	Endrin	ug/L	0.1	U	UJ
BDRK-Q-2-DUP	9/3/2002	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-Q-2-DUP	9/3/2002	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-Q-2-DUP	9/3/2002	Pesticides	Toxaphene	ug/L	5	U	
BDRK-Q-2	9/3/2002	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-Q-2	9/3/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-Q-2	9/3/2002	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-Q-2	9/3/2002	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-Q-2	9/3/2002	Herbicides	Dalapon	ug/L	120	U	
BDRK-Q-2	9/3/2002	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-Q-2	9/3/2002	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-Q-2	9/3/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-Q-2	9/3/2002	Herbicides	MCPP	ug/L	120	U	
BDRK-Q-2	9/3/2002	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-Q-2	2/13/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-Q-2	2/13/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-Q-2	2/13/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-Q-2	2/13/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-Q-2	2/13/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-Q-2	2/13/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-Q-2	2/13/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-Q-2	2/13/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	UJ
BDRK-Q-2	2/13/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-Q-2	2/13/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-Q-2	4/25/2003	Herbicides	2,4,5-T	ug/L	0.5	U	UJ
BDRK-Q-2	4/25/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-Q-2	4/25/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-Q-2	4/25/2003	Herbicides	2,4-DB	ug/L	0.5	U	UJ
BDRK-Q-2	4/25/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-Q-2	4/25/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-Q-2	4/25/2003	Herbicides	Dichlorprop	ug/L	6	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	4/25/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-Q-2	4/25/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-Q-2	4/25/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-Q-2	6/23/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-Q-2	6/23/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-Q-2	6/23/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-Q-2	6/23/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-Q-2	6/23/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-Q-2	6/23/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-Q-2	6/23/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-Q-2	6/23/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-Q-2	6/23/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-Q-2	6/23/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-Q-2	8/1/2005	Herbicides	2,4,5-T	ug/L	0.48	U	
BDRK-Q-2	8/1/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	U	
BDRK-Q-2	8/1/2005	Herbicides	2,4-D	ug/L	0.48	U	
BDRK-Q-2	8/1/2005	Herbicides	2,4-DB	ug/L	0.48	U	
BDRK-Q-2	8/1/2005	Herbicides	Dalapon	ug/L	9.6	U	
BDRK-Q-2	8/1/2005	Herbicides	Dicamba	ug/L	0.48	U	
BDRK-Q-2	8/1/2005	Herbicides	Dichlorprop	ug/L	0.48	U	
BDRK-Q-2	8/1/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-Q-2	8/1/2005	Herbicides	MCPP	ug/L	120	U	
BDRK-Q-2	8/1/2005	Herbicides	Pentachlorophenol	ug/L	0.24	U	
BDRK-Q-2-D	8/1/2005	Herbicides	2,4,5-T	ug/L	0.48	U	
BDRK-Q-2-D	8/1/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	U	
BDRK-Q-2-D	8/1/2005	Herbicides	2,4-D	ug/L	0.48	U	
BDRK-Q-2-D	8/1/2005	Herbicides	2,4-DB	ug/L	0.48	U	
BDRK-Q-2-D	8/1/2005	Herbicides	Dalapon	ug/L	9.5	U	
BDRK-Q-2-D	8/1/2005	Herbicides	Dicamba	ug/L	0.48	U	
BDRK-Q-2-D	8/1/2005	Herbicides	Dichlorprop	ug/L	0.48	U	
BDRK-Q-2-D	8/1/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	110	U	
BDRK-Q-2-D	8/1/2005	Herbicides	MCPP	ug/L	110	U	
BDRK-Q-2-D	8/1/2005	Herbicides	Pentachlorophenol	ug/L	0.24	U	
BDRK-Q-2-DUP	9/3/2002	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-Q-2-DUP	9/3/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-Q-2-DUP	9/3/2002	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-Q-2-DUP	9/3/2002	Herbicides	2,4-DB	ug/L	0.5	U	

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BDRK-Q-2-DUP	9/3/2002	Herbicides	Dalapon	ug/L	120	U	
BDRK-Q-2-DUP	9/3/2002	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-Q-2-DUP	9/3/2002	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-Q-2-DUP	9/3/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-Q-2-DUP	9/3/2002	Herbicides	MCPP	ug/L	120	U	
BDRK-Q-2-DUP	9/3/2002	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.000001	U	
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000011	U	
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	8.8E-07	U	
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000017	U	
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000012	U	
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000014	U	
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000011	U	
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000014	U	
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000014	U	UJ
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000013	U	
BDRK-Q-2	9/3/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000024	U	
BDRK-Q-2	9/3/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000012	U	
BDRK-Q-2	9/3/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000012	U	
BDRK-Q-2	9/3/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.0000012	U	UJ
BDRK-Q-2	9/3/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000037	U	
BDRK-Q-2	9/3/2002	Dioxins	OCDD	ug/L	0.0000059	U	
BDRK-Q-2	9/3/2002	Dioxins	OCDF	ug/L	0.0000026	U	
BDRK-Q-2	9/3/2002	Dioxins	Total HpCDD	ug/L	0.000001	U	
BDRK-Q-2	9/3/2002	Dioxins	Total HpCDF	ug/L	0.0000011	U	
BDRK-Q-2	9/3/2002	Dioxins	Total HxCDD	ug/L	0.0000017	U	
BDRK-Q-2	9/3/2002	Dioxins	Total HxCDF	ug/L	0.000002	U	
BDRK-Q-2	9/3/2002	Dioxins	Total PeCDD	ug/L	0.0000024	U	
BDRK-Q-2	9/3/2002	Dioxins	Total PeCDF	ug/L	0.0000029	U	
BDRK-Q-2	9/3/2002	Dioxins	Total TCDD	ug/L	0.0000012	U	UJ
BDRK-Q-2	9/3/2002	Dioxins	Total TCDF	ug/L	0.0000037	U	
BDRK-Q-2	2/13/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	4.5E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	4.1E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	5.1E-07	U	

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BDRK-Q-2	2/13/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	6.7E-07	U	UJ
BDRK-Q-2	2/13/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	7.5E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000006	U	
BDRK-Q-2	2/13/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	3.1E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	5.9E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	2.7E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	4.8E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.000001	U	
BDRK-Q-2	2/13/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	2.5E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	4.7E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	2,3,7,8-TCDD	ug/L	4.4E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	3.4E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	OCDD	ug/L	0.0000016	U	
BDRK-Q-2	2/13/2003	Dioxins	OCDF	ug/L	9.3E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	Total HpCDD	ug/L	4.5E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	Total HpCDF	ug/L	5.1E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	Total HxCDD	ug/L	6.7E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	Total HxCDF	ug/L	7.5E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	Total PeCDD	ug/L	0.0000012	U	
BDRK-Q-2	2/13/2003	Dioxins	Total PeCDF	ug/L	5.5E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	Total TCDD	ug/L	4.4E-07	U	
BDRK-Q-2	2/13/2003	Dioxins	Total TCDF	ug/L	3.4E-07	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000029	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000026	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000025	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000022	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000018	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.000002	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000016	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000019	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.000002	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000021	U	
BDRK-Q-2	4/25/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000031	U	

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BDRK-Q-2	4/25/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000019	U	
BDRK-Q-2	4/25/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000019	U	
BDRK-Q-2	4/25/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000017	U	
BDRK-Q-2	4/25/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000012	U	
BDRK-Q-2	4/25/2003	Dioxins	OCDD	ug/L	0.000029	U	
BDRK-Q-2	4/25/2003	Dioxins	OCDF	ug/L	0.000004	U	
BDRK-Q-2	4/25/2003	Dioxins	Total HpCDD	ug/L	0.0000048	U	
BDRK-Q-2	4/25/2003	Dioxins	Total HpCDF	ug/L	0.0000026	U	
BDRK-Q-2	4/25/2003	Dioxins	Total HxCDD	ug/L	0.0000022	U	
BDRK-Q-2	4/25/2003	Dioxins	Total HxCDF	ug/L	0.000002	U	
BDRK-Q-2	4/25/2003	Dioxins	Total PeCDD	ug/L	0.0000031	U	
BDRK-Q-2	4/25/2003	Dioxins	Total PeCDF	ug/L	0.0000021	U	
BDRK-Q-2	4/25/2003	Dioxins	Total TCDD	ug/L	0.0000017	U	
BDRK-Q-2	4/25/2003	Dioxins	Total TCDF	ug/L	0.0000012	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000035	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000018	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000023	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000034	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000017	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000032	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000015	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.000003	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000019	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000028	U	
BDRK-Q-2	6/23/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.000004	U	
BDRK-Q-2	6/23/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000017	U	
BDRK-Q-2	6/23/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000027	U	
BDRK-Q-2	6/23/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000025	U	
BDRK-Q-2	6/23/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000017	U	
BDRK-Q-2	6/23/2003	Dioxins	OCDD	ug/L	0.0000045	U	
BDRK-Q-2	6/23/2003	Dioxins	OCDF	ug/L	0.0000047	U	
BDRK-Q-2	6/23/2003	Dioxins	Total HpCDD	ug/L	0.0000035	U	
BDRK-Q-2	6/23/2003	Dioxins	Total HpCDF	ug/L	0.0000023	U	
BDRK-Q-2	6/23/2003	Dioxins	Total HxCDD	ug/L	0.0000034	U	
BDRK-Q-2	6/23/2003	Dioxins	Total HxCDF	ug/L	0.0000019	U	
BDRK-Q-2	6/23/2003	Dioxins	Total PeCDD	ug/L	0.000004	U	

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BDRK-Q-2	6/23/2003	Dioxins	Total PeCDF	ug/L	0.0000036	U	
BDRK-Q-2	6/23/2003	Dioxins	Total TCDD	ug/L	0.0000025	U	
BDRK-Q-2	6/23/2003	Dioxins	Total TCDF	ug/L	0.0000017	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000023	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000022	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	6.6E-07	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000012	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.000001	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000011	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000009	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000011	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000011	U	UJ
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000011	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000025	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.000001	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.000001	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.0000011	U	UJ
BDRK-Q-2-DUP	9/3/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000032	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	OCDD	ug/L	0.000016	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	OCDF	ug/L	0.000002	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	Total HpCDD	ug/L	0.0000023	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	Total HpCDF	ug/L	0.0000044	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	Total HxCDD	ug/L	0.0000015	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	Total HxCDF	ug/L	0.000016	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	Total PeCDD	ug/L	0.0000025	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	Total PeCDF	ug/L	0.0000054	U	
BDRK-Q-2-DUP	9/3/2002	Dioxins	Total TCDD	ug/L	0.0000019	U	UJ
BDRK-Q-2-DUP	9/3/2002	Dioxins	Total TCDF	ug/L	0.0000032	U	
BDRK-Q-2	9/3/2002	Metals	Aluminum	mg/l	0.21		
BDRK-Q-2	9/3/2002	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-2	9/3/2002	Metals	Arsenic	mg/l	0.01	U	
BDRK-Q-2	9/3/2002	Metals	Barium	mg/l	0.63		
BDRK-Q-2	9/3/2002	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-2	9/3/2002	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-2	9/3/2002	Metals	Calcium	mg/l	76		
BDRK-Q-2	9/3/2002	Metals	Chromium	mg/l	0.01	U	

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BDRK-Q-2	9/3/2002	Metals	Cobalt	mg/l	0.01	U	
BDRK-Q-2	9/3/2002	Metals	Copper	mg/l	0.001	B	
BDRK-Q-2	9/3/2002	Metals	Iron	mg/l	0.38		
BDRK-Q-2	9/3/2002	Metals	Lead	mg/l	0.005	U	
BDRK-Q-2	9/3/2002	Metals	Magnesium	mg/l	42		
BDRK-Q-2	9/3/2002	Metals	Manganese	mg/l	0.012		
BDRK-Q-2	9/3/2002	Metals	Mercury	mg/l	0.0002	U	
BDRK-Q-2	9/3/2002	Metals	Nickel	mg/l	0.04	U	
BDRK-Q-2	9/3/2002	Metals	Potassium	mg/l	4.4		
BDRK-Q-2	9/3/2002	Metals	Selenium	mg/l	0.01	U	
BDRK-Q-2	9/3/2002	Metals	Silver	mg/l	0.01	U	
BDRK-Q-2	9/3/2002	Metals	Sodium	mg/l	55	E	J
BDRK-Q-2	9/3/2002	Metals	Thallium	mg/l	0.01	U	
BDRK-Q-2	9/3/2002	Metals	Vanadium	mg/l	0.0019	B	
BDRK-Q-2	9/3/2002	Metals	Zinc	mg/l	0.02	U	
BDRK-Q-2	2/13/2003	Metals	Aluminum	mg/l	0.036	B	J
BDRK-Q-2	2/13/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-2	2/13/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-Q-2	2/13/2003	Metals	Barium	mg/l	0.64		
BDRK-Q-2	2/13/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-2	2/13/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-2	2/13/2003	Metals	Calcium	mg/l	75		
BDRK-Q-2	2/13/2003	Metals	Chromium	mg/l	0.01	U	
BDRK-Q-2	2/13/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-Q-2	2/13/2003	Metals	Copper	mg/l	0.02		U
BDRK-Q-2	2/13/2003	Metals	Iron	mg/l	0.15		
BDRK-Q-2	2/13/2003	Metals	Lead	mg/l	0.005	U	
BDRK-Q-2	2/13/2003	Metals	Magnesium	mg/l	42		
BDRK-Q-2	2/13/2003	Metals	Manganese	mg/l	0.01		U
BDRK-Q-2	2/13/2003	Metals	Mercury	mg/l	0.000085	B	
BDRK-Q-2	2/13/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-Q-2	2/13/2003	Metals	Potassium	mg/l	4.1		
BDRK-Q-2	2/13/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-Q-2	2/13/2003	Metals	Silver	mg/l	0.01	U	
BDRK-Q-2	2/13/2003	Metals	Sodium	mg/l	77		
BDRK-Q-2	2/13/2003	Metals	Thallium	mg/l	0.01	U	UJ
BDRK-Q-2	2/13/2003	Metals	Vanadium	mg/l	0.01	U	
BDRK-Q-2	2/13/2003	Metals	Zinc	mg/l	0.02	U	
BDRK-Q-2	4/25/2003	Metals	Aluminum	mg/l	0.023	B	J
BDRK-Q-2	4/25/2003	Metals	Antimony	mg/l	0.02	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	4/25/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-Q-2	4/25/2003	Metals	Barium	mg/l	0.63		
BDRK-Q-2	4/25/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-2	4/25/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-2	4/25/2003	Metals	Calcium	mg/l	77		
BDRK-Q-2	4/25/2003	Metals	Chromium	mg/l	0.01	U	
BDRK-Q-2	4/25/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-Q-2	4/25/2003	Metals	Copper	mg/l	0.02	U	
BDRK-Q-2	4/25/2003	Metals	Iron	mg/l	0.069		
BDRK-Q-2	4/25/2003	Metals	Lead	mg/l	0.005	U	
BDRK-Q-2	4/25/2003	Metals	Magnesium	mg/l	43		
BDRK-Q-2	4/25/2003	Metals	Manganese	mg/l	0.0077	B	
BDRK-Q-2	4/25/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-Q-2	4/25/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-Q-2	4/25/2003	Metals	Potassium	mg/l	4.3	E	J
BDRK-Q-2	4/25/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-Q-2	4/25/2003	Metals	Silver	mg/l	0.01	U	
BDRK-Q-2	4/25/2003	Metals	Sodium	mg/l	70		
BDRK-Q-2	4/25/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-Q-2	4/25/2003	Metals	Vanadium	mg/l	0.01	U	U
BDRK-Q-2	4/25/2003	Metals	Zinc	mg/l	0.0026	B	
BDRK-Q-2	6/23/2003	Metals	Aluminum	mg/l	0.027	B	
BDRK-Q-2	6/23/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-2	6/23/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-Q-2	6/23/2003	Metals	Barium	mg/l	0.61		U
BDRK-Q-2	6/23/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-2	6/23/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-2	6/23/2003	Metals	Calcium	mg/l	75		
BDRK-Q-2	6/23/2003	Metals	Chromium	mg/l	0.01	U	
BDRK-Q-2	6/23/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-Q-2	6/23/2003	Metals	Copper	mg/l	0.02	U	
BDRK-Q-2	6/23/2003	Metals	Iron	mg/l	0.083		
BDRK-Q-2	6/23/2003	Metals	Lead	mg/l	0.005	U	
BDRK-Q-2	6/23/2003	Metals	Magnesium	mg/l	42		U
BDRK-Q-2	6/23/2003	Metals	Manganese	mg/l	0.0085	B	
BDRK-Q-2	6/23/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-Q-2	6/23/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-Q-2	6/23/2003	Metals	Potassium	mg/l	4.2		
BDRK-Q-2	6/23/2003	Metals	Selenium	mg/l	0.0058	B	U
BDRK-Q-2	6/23/2003	Metals	Silver	mg/l	0.01	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	6/23/2003	Metals	Sodium	mg/l	66		
BDRK-Q-2	6/23/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-Q-2	6/23/2003	Metals	Vanadium	mg/l	0.01	U	
BDRK-Q-2	6/23/2003	Metals	Zinc	mg/l	0.012	B	
BDRK-Q-2	8/1/2005	Metals	Aluminum	mg/l	0.039	J	
BDRK-Q-2	8/1/2005	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-2	8/1/2005	Metals	Arsenic	mg/l	0.01	U	
BDRK-Q-2	8/1/2005	Metals	Barium	mg/l	0.58		
BDRK-Q-2	8/1/2005	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-2	8/1/2005	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-2	8/1/2005	Metals	Calcium	mg/l	71		
BDRK-Q-2	8/1/2005	Metals	Chromium	mg/l	0.01	U	
BDRK-Q-2	8/1/2005	Metals	Cobalt	mg/l	0.00077	J	
BDRK-Q-2	8/1/2005	Metals	Copper	mg/l	0.02	U	
BDRK-Q-2	8/1/2005	Metals	Iron	mg/l	0.08		
BDRK-Q-2	8/1/2005	Metals	Lead	mg/l	0.005	U	
BDRK-Q-2	8/1/2005	Metals	Magnesium	mg/l	40		
BDRK-Q-2	8/1/2005	Metals	Manganese	mg/l	0.0081	J	
BDRK-Q-2	8/1/2005	Metals	Mercury	mg/l	0.0002	U	
BDRK-Q-2	8/1/2005	Metals	Nickel	mg/l	0.04	U	
BDRK-Q-2	8/1/2005	Metals	Potassium	mg/l	4.2		
BDRK-Q-2	8/1/2005	Metals	Selenium	mg/l	0.01	U	
BDRK-Q-2	8/1/2005	Metals	Silver	mg/l	0.01	U	
BDRK-Q-2	8/1/2005	Metals	Sodium	mg/l	72		
BDRK-Q-2	8/1/2005	Metals	Thallium	mg/l	0.025	U	
BDRK-Q-2	8/1/2005	Metals	Vanadium	mg/l	0.01	U	
BDRK-Q-2	8/1/2005	Metals	Zinc	mg/l	0.0071	J B	U
BDRK-Q-2-D	8/1/2005	Metals	Aluminum	mg/l	0.052	J	
BDRK-Q-2-D	8/1/2005	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-2-D	8/1/2005	Metals	Arsenic	mg/l	0.01	U	
BDRK-Q-2-D	8/1/2005	Metals	Barium	mg/l	0.62		
BDRK-Q-2-D	8/1/2005	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-2-D	8/1/2005	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-2-D	8/1/2005	Metals	Calcium	mg/l	77		
BDRK-Q-2-D	8/1/2005	Metals	Chromium	mg/l	0.01	U	
BDRK-Q-2-D	8/1/2005	Metals	Cobalt	mg/l	0.01	U	
BDRK-Q-2-D	8/1/2005	Metals	Copper	mg/l	0.02	U	
BDRK-Q-2-D	8/1/2005	Metals	Iron	mg/l	0.091		
BDRK-Q-2-D	8/1/2005	Metals	Lead	mg/l	0.005	U	
BDRK-Q-2-D	8/1/2005	Metals	Magnesium	mg/l	44		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2-D	8/1/2005	Metals	Manganese	mg/l	0.0087	J	
BDRK-Q-2-D	8/1/2005	Metals	Mercury	mg/l	0.000092	J	
BDRK-Q-2-D	8/1/2005	Metals	Nickel	mg/l	0.04	U	
BDRK-Q-2-D	8/1/2005	Metals	Potassium	mg/l	4.5		
BDRK-Q-2-D	8/1/2005	Metals	Selenium	mg/l	0.01	U	
BDRK-Q-2-D	8/1/2005	Metals	Silver	mg/l	0.01	U	
BDRK-Q-2-D	8/1/2005	Metals	Sodium	mg/l	78		
BDRK-Q-2-D	8/1/2005	Metals	Thallium	mg/l	0.025	U	
BDRK-Q-2-D	8/1/2005	Metals	Vanadium	mg/l	0.01	U	
BDRK-Q-2-D	8/1/2005	Metals	Zinc	mg/l	0.0053	J B	U
BDRK-Q-2-DUP	9/3/2002	Metals	Aluminum	mg/l	0.23		
BDRK-Q-2-DUP	9/3/2002	Metals	Antimony	mg/l	0.02	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Arsenic	mg/l	0.01	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Barium	mg/l	0.64		
BDRK-Q-2-DUP	9/3/2002	Metals	Beryllium	mg/l	0.004	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Cadmium	mg/l	0.005	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Calcium	mg/l	77		
BDRK-Q-2-DUP	9/3/2002	Metals	Chromium	mg/l	0.01	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Cobalt	mg/l	0.01	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Copper	mg/l	0.00093	B	
BDRK-Q-2-DUP	9/3/2002	Metals	Iron	mg/l	0.44		
BDRK-Q-2-DUP	9/3/2002	Metals	Lead	mg/l	0.005	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Magnesium	mg/l	43		
BDRK-Q-2-DUP	9/3/2002	Metals	Manganese	mg/l	0.012		
BDRK-Q-2-DUP	9/3/2002	Metals	Mercury	mg/l	0.0002	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Nickel	mg/l	0.04	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Potassium	mg/l	4.4		
BDRK-Q-2-DUP	9/3/2002	Metals	Selenium	mg/l	0.01	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Silver	mg/l	0.01	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Sodium	mg/l	56	E	J
BDRK-Q-2-DUP	9/3/2002	Metals	Thallium	mg/l	0.01	U	
BDRK-Q-2-DUP	9/3/2002	Metals	Vanadium	mg/l	0.0022	B	
BDRK-Q-2-DUP	9/3/2002	Metals	Zinc	mg/l	0.02	U	
BDRK-Q-2	9/3/2002	Other	Alkalinity, Total (as CACO3)	mg/l	440		
BDRK-Q-2	9/3/2002	Other	Carbon Dioxide	mg/l	15		
BDRK-Q-2	9/3/2002	Other	Methane	ug/L	12		
BDRK-Q-2	9/3/2002	Other	Nitrate-N	mg/l	0.11		
BDRK-Q-2	9/3/2002	Other	Sulfate as SO4	mg/l	7.6		
BDRK-Q-2	2/13/2003	Other	Alkalinity, Total (as CACO3)	mg/l	410		
BDRK-Q-2	2/13/2003	Other	Carbon Dioxide	/l as CaC	14		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-Q-2	2/13/2003	Other	Methane	ug/L	16		J
BDRK-Q-2	2/13/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-Q-2	2/13/2003	Other	Sulfate as SO4	mg/l	5	U	
BDRK-Q-2	4/25/2003	Other	Alkalinity, Total (as CACO3)	mg/l	420		
BDRK-Q-2	4/25/2003	Other	Carbon Dioxide	/l as CaC	5.4		
BDRK-Q-2	4/25/2003	Other	Methane	ug/L	20		
BDRK-Q-2	4/25/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-Q-2	4/25/2003	Other	Sulfate as SO4	mg/l	4	B	
BDRK-Q-2	6/23/2003	Other	Alkalinity, Total (as CACO3)	mg/l	420		
BDRK-Q-2	6/23/2003	Other	Carbon Dioxide	/l as CaC	15		
BDRK-Q-2	6/23/2003	Other	Methane	ug/L	34		J
BDRK-Q-2	6/23/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-Q-2	6/23/2003	Other	Sulfate as SO4	mg/l	10		
BDRK-Q-2	8/1/2005	Other	Alkalinity	mg/l	380		
BDRK-Q-2	8/1/2005	Other	Ammonia	mg/l	0.51		
BDRK-Q-2	8/1/2005	Other	Carbon Dioxide	mg/l	18		
BDRK-Q-2	8/1/2005	Other	Chloride	mg/l	75		
BDRK-Q-2	8/1/2005	Other	Nitrogen, Nitrate	mg/l	0.05	U	
BDRK-Q-2	8/1/2005	Other	Nitrogen, Nitrate Nitrite	mg/l	0.05	U	
BDRK-Q-2	8/1/2005	Other	Nitrogen, Nitrite	mg/l	0.05	U	
BDRK-Q-2	8/1/2005	Other	Sulfate as SO4	mg/l	8.3		
BDRK-Q-2	8/1/2005	Other	Total Organic Carbon	mg/l	0.55	J	
BDRK-Q-2-D	8/1/2005	Other	Alkalinity	mg/l	390		
BDRK-Q-2-D	8/1/2005	Other	Ammonia	mg/l	0.48		
BDRK-Q-2-D	8/1/2005	Other	Carbon Dioxide	mg/l	27		
BDRK-Q-2-D	8/1/2005	Other	Chloride	mg/l	75		
BDRK-Q-2-D	8/1/2005	Other	Nitrogen, Nitrate	mg/l	0.05	U	
BDRK-Q-2-D	8/1/2005	Other	Nitrogen, Nitrate Nitrite	mg/l	0.05	U	
BDRK-Q-2-D	8/1/2005	Other	Nitrogen, Nitrite	mg/l	0.05	U	
BDRK-Q-2-D	8/1/2005	Other	Sulfate as SO4	mg/l	7.8		
BDRK-Q-2-D	8/1/2005	Other	Total Organic Carbon	mg/l	1	U	
BDRK-Q-2-DUP	9/3/2002	Other	Alkalinity, Total (as CACO3)	mg/l	440		
BDRK-Q-2-DUP	9/3/2002	Other	Carbon Dioxide	mg/l	15		
BDRK-Q-2-DUP	9/3/2002	Other	Methane	ug/L	14		
BDRK-Q-2-DUP	9/3/2002	Other	Nitrate-N	mg/l	0.15		
BDRK-Q-2-DUP	9/3/2002	Other	Sulfate as SO4	mg/l	7.1		
SITE R							
BDRK-R-1	9/5/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	9/5/2002	VOCs	1,1-Dichloroethane	ug/L	0.32	J	
BDRK-R-1	9/5/2002	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	1,2-Dichloroethene (total)	ug/L	0.55	J	
BDRK-R-1	9/5/2002	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	2-Butanone (MEK)	ug/L	1.5	J	J
BDRK-R-1	9/5/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-R-1	9/5/2002	VOCs	Acetone	ug/L	20	J	J
BDRK-R-1	9/5/2002	VOCs	Benzene	ug/L	11		
BDRK-R-1	9/5/2002	VOCs	Bromodichloromethane	ug/L	0.24	J	
BDRK-R-1	9/5/2002	VOCs	Bromoform	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Bromomethane	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Carbon Disulfide	ug/L	1.8		
BDRK-R-1	9/5/2002	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Chlorobenzene	ug/L	40		
BDRK-R-1	9/5/2002	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Chloroethane	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Chloroform	ug/L	3.5		
BDRK-R-1	9/5/2002	VOCs	Chloromethane	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Dichloromethane	ug/L	5	U	U
BDRK-R-1	9/5/2002	VOCs	Ethylbenzene	ug/L	0.94	J	
BDRK-R-1	9/5/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-R-1	9/5/2002	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Toluene	ug/L	3.6		
BDRK-R-1	9/5/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Trichloroethene	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-R-1	9/5/2002	VOCs	Xylenes, Total	ug/L	6		
BDRK-R-1	2/10/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-R-1	2/10/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-R-1	2/10/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	2/10/2003	VOCs	Acetone	ug/L	14	J	
BDRK-R-1	2/10/2003	VOCs	Benzene	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Carbon Disulfide	ug/L	3.4		
BDRK-R-1	2/10/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Chlorobenzene	ug/L	4.7		
BDRK-R-1	2/10/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-R-1	2/10/2003	VOCs	Ethylbenzene	ug/L	0.33	J	
BDRK-R-1	2/10/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-R-1	2/10/2003	VOCs	Styrene (Monomer)	ug/L	0.25	J	
BDRK-R-1	2/10/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Toluene	ug/L	1		
BDRK-R-1	2/10/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-R-1	2/10/2003	VOCs	Xylenes, Total	ug/L	2.1		
BDRK-R-1	4/24/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	UJ
BDRK-R-1	4/24/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	UJ
BDRK-R-1	4/24/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	UJ
BDRK-R-1	4/24/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	UJ
BDRK-R-1	4/24/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-R-1	4/24/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	UJ
BDRK-R-1	4/24/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	UJ
BDRK-R-1	4/24/2003	VOCs	Acetone	ug/L	3.8	J	J
BDRK-R-1	4/24/2003	VOCs	Benzene	ug/L	0.26	J	
BDRK-R-1	4/24/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Bromoform	ug/L	1	U	UJ
BDRK-R-1	4/24/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Carbon Disulfide	ug/L	1.6		
BDRK-R-1	4/24/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	4/24/2003	VOCs	Chlorobenzene	ug/L	5.7		
BDRK-R-1	4/24/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Chloromethane	ug/L	1	U	UJ
BDRK-R-1	4/24/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-R-1	4/24/2003	VOCs	Ethylbenzene	ug/L	0.34	J	
BDRK-R-1	4/24/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	UJ
BDRK-R-1	4/24/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Toluene	ug/L	0.86	J	
BDRK-R-1	4/24/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-R-1	4/24/2003	VOCs	Xylenes, Total	ug/L	2		
BDRK-R-1	6/17/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-R-1	6/17/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-R-1	6/17/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-R-1	6/17/2003	VOCs	Acetone	ug/L	25	U	U
BDRK-R-1	6/17/2003	VOCs	Benzene	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Chlorodibromomethane	ug/L	1	U	UJ
BDRK-R-1	6/17/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Chloroform	ug/L	0.29	J	
BDRK-R-1	6/17/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Dichloromethane	ug/L	5	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	6/17/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-R-1	6/17/2003	VOCs	Styrene (Monomer)	ug/L	1	U	U
BDRK-R-1	6/17/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Toluene	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-R-1	6/17/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-R-1	9/5/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	1,2-Dichlorobenzene	ug/L	4.6	J	
BDRK-R-1	9/5/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	2,4-Dichlorophenol	ug/L	5.4	J	
BDRK-R-1	9/5/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-R-1	9/5/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	2-Chlorophenol	ug/L	4.8	J	
BDRK-R-1	9/5/2002	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-R-1	9/5/2002	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-R-1	9/5/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	2.2	J	
BDRK-R-1	9/5/2002	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-R-1	9/5/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-R-1	9/5/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-R-1	9/5/2002	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Anthracene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	9/5/2002	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Carbazole	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Chrysene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Dinoseb	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Fluorene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Isophorone	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Naphthalene	ug/L	4.9	J	
BDRK-R-1	9/5/2002	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	P-Chloroaniline	ug/L	1600	D	
BDRK-R-1	9/5/2002	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	Phenol	ug/L	10	U	
BDRK-R-1	9/5/2002	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-R-1	9/5/2002	SVOCs	Pyrene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	1,2-Dichlorobenzene	ug/L	1.2	J	
BDRK-R-1	2/10/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	2/10/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	UJ
BDRK-R-1	2/10/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-R-1	2/10/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-R-1	2/10/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-R-1	2/10/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-R-1	2/10/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-R-1	2/10/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Dibenzofuran	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	2/10/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	P-Chloroaniline	ug/L	120		
BDRK-R-1	2/10/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-R-1	2/10/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-R-1	2/10/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-R-1	4/24/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-R-1	4/24/2003	SVOCs	2-Nitrophenol	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	4/24/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-R-1	4/24/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-R-1	4/24/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-R-1	4/24/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-R-1	4/24/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	4/24/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	P-Chloroaniline	ug/L	4.4	J	
BDRK-R-1	4/24/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-R-1	4/24/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-R-1	4/24/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-R-1	6/17/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-R-1	6/17/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-R-1	6/17/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-R-1	6/17/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-R-1	6/17/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-R-1	6/17/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	6/17/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	P-Chloroaniline	ug/L	5.6	J	
BDRK-R-1	6/17/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-R-1	6/17/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-R-1	6/17/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-R-1	9/5/2002	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-R-1	9/5/2002	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	9/5/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-R-1	9/5/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	9/5/2002	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	9/5/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-R-1	9/5/2002	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-R-1	9/5/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	9/5/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	9/5/2002	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	2/10/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-R-1	2/10/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	2/10/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-R-1	2/10/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	2/10/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	2/10/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-R-1	2/10/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-R-1	2/10/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	2/10/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	2/10/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	4/24/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-R-1	4/24/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	4/24/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-R-1	4/24/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	4/24/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	4/24/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-R-1	4/24/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-R-1	4/24/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	4/24/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	4/24/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	6/17/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-R-1	6/17/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	6/17/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-R-1	6/17/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	6/17/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	6/17/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-R-1	6/17/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-R-1	6/17/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	6/17/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-R-1	6/17/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-R-1	9/5/2002	Pesticides	4,4'-DDD	ug/L	0.1	U	UJ
BDRK-R-1	9/5/2002	Pesticides	4,4'-DDE	ug/L	0.1	U	UJ
BDRK-R-1	9/5/2002	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Aldrin	ug/L	0.05	U	UJ
BDRK-R-1	9/5/2002	Pesticides	alpha-Chlordane	ug/L	0.05	U	UJ
BDRK-R-1	9/5/2002	Pesticides	beta-BHC	ug/L	0.05	U	UJ
BDRK-R-1	9/5/2002	Pesticides	delta-BHC	ug/L	0.05	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Dieldrin	ug/L	0.1	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	9/5/2002	Pesticides	Endosulfan I	ug/L	0.05	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Endosulfan II	ug/L	0.1	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Endrin	ug/L	0.1	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Endrin Aldehyde	ug/L	0.1	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ
BDRK-R-1	9/5/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	UJ
BDRK-R-1	9/5/2002	Pesticides	gamma-Chlordane	ug/L	0.05	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Heptachlor	ug/L	0.05	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-R-1	9/5/2002	Pesticides	Toxaphene	ug/L	5	U	UJ
BDRK-R-1	2/10/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	UJ
BDRK-R-1	2/10/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	UJ
BDRK-R-1	2/10/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Aldrin	ug/L	0.05	U	UJ
BDRK-R-1	2/10/2003	Pesticides	alpha-BHC	ug/L	0.05	U	UJ
BDRK-R-1	2/10/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	UJ
BDRK-R-1	2/10/2003	Pesticides	beta-BHC	ug/L	0.05	U	UJ
BDRK-R-1	2/10/2003	Pesticides	delta-BHC	ug/L	0.05	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Endosulfan I	ug/L	0.05	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Endosulfan II	ug/L	0.1	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Endrin	ug/L	0.1	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ
BDRK-R-1	2/10/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	UJ
BDRK-R-1	2/10/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Heptachlor	ug/L	0.05	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-R-1	2/10/2003	Pesticides	Toxaphene	ug/L	5	U	UJ
BDRK-R-1	4/24/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	UJ
BDRK-R-1	4/24/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	UJ
BDRK-R-1	4/24/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Aldrin	ug/L	0.05	U	UJ
BDRK-R-1	4/24/2003	Pesticides	alpha-BHC	ug/L	0.05	U	UJ
BDRK-R-1	4/24/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	UJ
BDRK-R-1	4/24/2003	Pesticides	beta-BHC	ug/L	0.05	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	4/24/2003	Pesticides	delta-BHC	ug/L	0.05	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Endosulfan I	ug/L	0.05	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Endosulfan II	ug/L	0.1	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Endrin	ug/L	0.1	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ
BDRK-R-1	4/24/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	UJ
BDRK-R-1	4/24/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Heptachlor	ug/L	0.05	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-R-1	4/24/2003	Pesticides	Toxaphene	ug/L	5	U	UJ
BDRK-R-1	6/17/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-R-1	6/17/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-R-1	6/17/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-R-1	6/17/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-R-1	6/17/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-R-1	6/17/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-R-1	6/17/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-R-1	6/17/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-R-1	6/17/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-R-1	6/17/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-R-1	6/17/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-R-1	6/17/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-R-1	6/17/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-R-1	6/17/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-R-1	6/17/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-R-1	6/17/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-R-1	6/17/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-R-1	6/17/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-R-1	6/17/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-R-1	6/17/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-R-1	6/17/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-R-1	9/5/2002	Herbicides	2,4,5-T	ug/L	0.92		
BDRK-R-1	9/5/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-R-1	9/5/2002	Herbicides	2,4-D	ug/L	3.1	P	J
BDRK-R-1	9/5/2002	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-R-1	9/5/2002	Herbicides	Dalapon	ug/L	120	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	9/5/2002	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-R-1	9/5/2002	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-R-1	9/5/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-R-1	9/5/2002	Herbicides	MCPP	ug/L	120	U	
BDRK-R-1	9/5/2002	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-R-1	2/10/2003	Herbicides	2,4,5-T	ug/L	0.064	J	J
BDRK-R-1	2/10/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-R-1	2/10/2003	Herbicides	2,4-D	ug/L	0.6		
BDRK-R-1	2/10/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-R-1	2/10/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-R-1	2/10/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-R-1	2/10/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-R-1	2/10/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-R-1	2/10/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-R-1	2/10/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-R-1	4/24/2003	Herbicides	2,4,5-T	ug/L	0.042	JP	
BDRK-R-1	4/24/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.058	J	
BDRK-R-1	4/24/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-R-1	4/24/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-R-1	4/24/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-R-1	4/24/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-R-1	4/24/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-R-1	4/24/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-R-1	4/24/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-R-1	4/24/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-R-1	6/17/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-R-1	6/17/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-R-1	6/17/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-R-1	6/17/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-R-1	6/17/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-R-1	6/17/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-R-1	6/17/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-R-1	6/17/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-R-1	6/17/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-R-1	6/17/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-R-1	9/5/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000089	U	

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BDRK-R-1	9/5/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.000007	U	
BDRK-R-1	9/5/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000096	U	
BDRK-R-1	9/5/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000093	U	UJ
BDRK-R-1	9/5/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000045	U	
BDRK-R-1	9/5/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000093	U	
BDRK-R-1	9/5/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000043	U	
BDRK-R-1	9/5/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000088	U	
BDRK-R-1	9/5/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000065	U	
BDRK-R-1	9/5/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000055	U	
BDRK-R-1	9/5/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.000012	U	
BDRK-R-1	9/5/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.000005	U	
BDRK-R-1	9/5/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000055	U	
BDRK-R-1	9/5/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.0000017	U	
BDRK-R-1	9/5/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000033	U	
BDRK-R-1	9/5/2002	Dioxins	OCDD	ug/L	0.000014	U	
BDRK-R-1	9/5/2002	Dioxins	OCDF	ug/L	0.000015	U	
BDRK-R-1	9/5/2002	Dioxins	Total HpCDD	ug/L	0.0000089	U	
BDRK-R-1	9/5/2002	Dioxins	Total HpCDF	ug/L	0.0000096	U	
BDRK-R-1	9/5/2002	Dioxins	Total HxCDD	ug/L	0.0000093	U	
BDRK-R-1	9/5/2002	Dioxins	Total HxCDF	ug/L	0.0000065	U	
BDRK-R-1	9/5/2002	Dioxins	Total PeCDD	ug/L	0.000012	U	
BDRK-R-1	9/5/2002	Dioxins	Total PeCDF	ug/L	0.0000066	U	
BDRK-R-1	9/5/2002	Dioxins	Total TCDD	ug/L	0.0000017	U	
BDRK-R-1	9/5/2002	Dioxins	Total TCDF	ug/L	0.0000033	U	
BDRK-R-1	2/10/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000064	U	
BDRK-R-1	2/10/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000034	U	UJ
BDRK-R-1	2/10/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000044	U	
BDRK-R-1	2/10/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000062	U	UJ
BDRK-R-1	2/10/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000048	U	
BDRK-R-1	2/10/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000062	U	
BDRK-R-1	2/10/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000045	U	
BDRK-R-1	2/10/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.000006	U	
BDRK-R-1	2/10/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000061	U	
BDRK-R-1	2/10/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000053	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	2/10/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000082	U	
BDRK-R-1	2/10/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000051	U	UJ
BDRK-R-1	2/10/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.000005	U	
BDRK-R-1	2/10/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000049	U	
BDRK-R-1	2/10/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000041	U	
BDRK-R-1	2/10/2003	Dioxins	OCDD	ug/L	0.0000075	U	
BDRK-R-1	2/10/2003	Dioxins	OCDF	ug/L	0.0000072	U	UJ
BDRK-R-1	2/10/2003	Dioxins	Total HpCDD	ug/L	0.0000064	U	
BDRK-R-1	2/10/2003	Dioxins	Total HpCDF	ug/L	0.0000044	U	
BDRK-R-1	2/10/2003	Dioxins	Total HxCDD	ug/L	0.0000062	U	
BDRK-R-1	2/10/2003	Dioxins	Total HxCDF	ug/L	0.0000061	U	
BDRK-R-1	2/10/2003	Dioxins	Total PeCDD	ug/L	0.0000082	U	
BDRK-R-1	2/10/2003	Dioxins	Total PeCDF	ug/L	0.0000053	U	
BDRK-R-1	2/10/2003	Dioxins	Total TCDD	ug/L	0.0000049	U	
BDRK-R-1	2/10/2003	Dioxins	Total TCDF	ug/L	0.0000041	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000026	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.000002	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000024	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000024	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000017	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000022	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000015	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.000002	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000019	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000018	U	
BDRK-R-1	4/24/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.000003	U	
BDRK-R-1	4/24/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000018	U	
BDRK-R-1	4/24/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000017	U	
BDRK-R-1	4/24/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000012	U	
BDRK-R-1	4/24/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.000001	U	
BDRK-R-1	4/24/2003	Dioxins	OCDD	ug/L	0.0000049	U	
BDRK-R-1	4/24/2003	Dioxins	OCDF	ug/L	0.0000035	U	
BDRK-R-1	4/24/2003	Dioxins	Total HpCDD	ug/L	0.0000026	U	
BDRK-R-1	4/24/2003	Dioxins	Total HpCDF	ug/L	0.0000024	U	
BDRK-R-1	4/24/2003	Dioxins	Total HxCDD	ug/L	0.0000024	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	4/24/2003	Dioxins	Total HxCDF	ug/L	0.0000019	U	
BDRK-R-1	4/24/2003	Dioxins	Total PeCDD	ug/L	0.000003	U	
BDRK-R-1	4/24/2003	Dioxins	Total PeCDF	ug/L	0.0000018	U	
BDRK-R-1	4/24/2003	Dioxins	Total TCDD	ug/L	0.0000012	U	
BDRK-R-1	4/24/2003	Dioxins	Total TCDF	ug/L	0.000001	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000046	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000039	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000042	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.000006	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000066	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.000006	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000062	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000056	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000072	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000044	U	
BDRK-R-1	6/17/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000073	U	
BDRK-R-1	6/17/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000068	U	
BDRK-R-1	6/17/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000044	U	
BDRK-R-1	6/17/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000035	U	
BDRK-R-1	6/17/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000032	U	
BDRK-R-1	6/17/2003	Dioxins	OCDD	ug/L	0.0000058	U	
BDRK-R-1	6/17/2003	Dioxins	OCDF	ug/L	0.0000084	U	
BDRK-R-1	6/17/2003	Dioxins	Total HpCDD	ug/L	0.0000046	U	
BDRK-R-1	6/17/2003	Dioxins	Total HpCDF	ug/L	0.0000042	U	
BDRK-R-1	6/17/2003	Dioxins	Total HxCDD	ug/L	0.000006	U	
BDRK-R-1	6/17/2003	Dioxins	Total HxCDF	ug/L	0.0000072	U	
BDRK-R-1	6/17/2003	Dioxins	Total PeCDD	ug/L	0.0000073	U	
BDRK-R-1	6/17/2003	Dioxins	Total PeCDF	ug/L	0.0000044	U	
BDRK-R-1	6/17/2003	Dioxins	Total TCDD	ug/L	0.0000035	U	
BDRK-R-1	6/17/2003	Dioxins	Total TCDF	ug/L	0.0000032	U	
BDRK-R-1	9/5/2002	Metals	Aluminum	mg/l	29		
BDRK-R-1	9/5/2002	Metals	Antimony	mg/l	0.0046	B	
BDRK-R-1	9/5/2002	Metals	Arsenic	mg/l	0.03		
BDRK-R-1	9/5/2002	Metals	Barium	mg/l	0.26		
BDRK-R-1	9/5/2002	Metals	Beryllium	mg/l	0.004	U	U
BDRK-R-1	9/5/2002	Metals	Cadmium	mg/l	0.0011	B	

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BDRK-R-1	9/5/2002	Metals	Calcium	mg/l	370		
BDRK-R-1	9/5/2002	Metals	Chromium	mg/l	0.04		
BDRK-R-1	9/5/2002	Metals	Cobalt	mg/l	0.0094	B	
BDRK-R-1	9/5/2002	Metals	Copper	mg/l	0.019	B	
BDRK-R-1	9/5/2002	Metals	Iron	mg/l	19		
BDRK-R-1	9/5/2002	Metals	Lead	mg/l	0.013		
BDRK-R-1	9/5/2002	Metals	Magnesium	mg/l	60		
BDRK-R-1	9/5/2002	Metals	Manganese	mg/l	0.2		
BDRK-R-1	9/5/2002	Metals	Mercury	mg/l	0.0002	B	
BDRK-R-1	9/5/2002	Metals	Nickel	mg/l	0.038	B	
BDRK-R-1	9/5/2002	Metals	Potassium	mg/l	23	E	J
BDRK-R-1	9/5/2002	Metals	Selenium	mg/l	0.01	U	U
BDRK-R-1	9/5/2002	Metals	Silver	mg/l	0.01	U	
BDRK-R-1	9/5/2002	Metals	Sodium	mg/l	320		
BDRK-R-1	9/5/2002	Metals	Thallium	mg/l	0.01	U	U
BDRK-R-1	9/5/2002	Metals	Vanadium	mg/l	0.06		
BDRK-R-1	9/5/2002	Metals	Zinc	mg/l	0.051		
BDRK-R-1	2/10/2003	Metals	Aluminum	mg/l	1.9		
BDRK-R-1	2/10/2003	Metals	Antimony	mg/l	0.02	U	UJ
BDRK-R-1	2/10/2003	Metals	Arsenic	mg/l	0.011		U
BDRK-R-1	2/10/2003	Metals	Barium	mg/l	0.038		
BDRK-R-1	2/10/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-R-1	2/10/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-R-1	2/10/2003	Metals	Calcium	mg/l	7.4		
BDRK-R-1	2/10/2003	Metals	Chromium	mg/l	0.01	U	
BDRK-R-1	2/10/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-R-1	2/10/2003	Metals	Copper	mg/l	0.001	B	
BDRK-R-1	2/10/2003	Metals	Iron	mg/l	0.8		J
BDRK-R-1	2/10/2003	Metals	Lead	mg/l	0.005	U	
BDRK-R-1	2/10/2003	Metals	Magnesium	mg/l	6.2		
BDRK-R-1	2/10/2003	Metals	Manganese	mg/l	0.014		
BDRK-R-1	2/10/2003	Metals	Mercury	mg/l	0.0002	U	UJ
BDRK-R-1	2/10/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-R-1	2/10/2003	Metals	Potassium	mg/l	7.9		
BDRK-R-1	2/10/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-R-1	2/10/2003	Metals	Silver	mg/l	0.01	U	
BDRK-R-1	2/10/2003	Metals	Sodium	mg/l	310		
BDRK-R-1	2/10/2003	Metals	Thallium	mg/l	0.0043	B	J
BDRK-R-1	2/10/2003	Metals	Vanadium	mg/l	0.01		U
BDRK-R-1	2/10/2003	Metals	Zinc	mg/l	0.0079	B	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	4/24/2003	Metals	Aluminum	mg/l	5.2		
BDRK-R-1	4/24/2003	Metals	Antimony	mg/l	0.02	U	UJ
BDRK-R-1	4/24/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-R-1	4/24/2003	Metals	Barium	mg/l	0.099		
BDRK-R-1	4/24/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-R-1	4/24/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-R-1	4/24/2003	Metals	Calcium	mg/l	73		
BDRK-R-1	4/24/2003	Metals	Chromium	mg/l	0.0071	B	
BDRK-R-1	4/24/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-R-1	4/24/2003	Metals	Copper	mg/l	0.0042	B	
BDRK-R-1	4/24/2003	Metals	Iron	mg/l	3.8		
BDRK-R-1	4/24/2003	Metals	Lead	mg/l	0.005	U	
BDRK-R-1	4/24/2003	Metals	Magnesium	mg/l	17		
BDRK-R-1	4/24/2003	Metals	Manganese	mg/l	0.059		
BDRK-R-1	4/24/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-R-1	4/24/2003	Metals	Nickel	mg/l	0.0058	B	
BDRK-R-1	4/24/2003	Metals	Potassium	mg/l	8.4	E	J
BDRK-R-1	4/24/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-R-1	4/24/2003	Metals	Silver	mg/l	0.01	U	
BDRK-R-1	4/24/2003	Metals	Sodium	mg/l	330		
BDRK-R-1	4/24/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-R-1	4/24/2003	Metals	Vanadium	mg/l	0.011		
BDRK-R-1	4/24/2003	Metals	Zinc	mg/l	0.01	B	
BDRK-R-1	6/17/2003	Metals	Aluminum	mg/l	1.7		
BDRK-R-1	6/17/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-R-1	6/17/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-R-1	6/17/2003	Metals	Barium	mg/l	0.11		
BDRK-R-1	6/17/2003	Metals	Beryllium	mg/l	0.004	U	U
BDRK-R-1	6/17/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-R-1	6/17/2003	Metals	Calcium	mg/l	42		
BDRK-R-1	6/17/2003	Metals	Chromium	mg/l	0.0021	B	
BDRK-R-1	6/17/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-R-1	6/17/2003	Metals	Copper	mg/l	0.02	U	
BDRK-R-1	6/17/2003	Metals	Iron	mg/l	1.1		
BDRK-R-1	6/17/2003	Metals	Lead	mg/l	0.005	U	
BDRK-R-1	6/17/2003	Metals	Magnesium	mg/l	12		
BDRK-R-1	6/17/2003	Metals	Manganese	mg/l	0.01		U
BDRK-R-1	6/17/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-R-1	6/17/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-R-1	6/17/2003	Metals	Potassium	mg/l	7.6	E	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-R-1	6/17/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-R-1	6/17/2003	Metals	Silver	mg/l	0.01	U	
BDRK-R-1	6/17/2003	Metals	Sodium	mg/l	320		
BDRK-R-1	6/17/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-R-1	6/17/2003	Metals	Vanadium	mg/l	0.01	U	U
BDRK-R-1	6/17/2003	Metals	Zinc	mg/l	0.016	BE	
BDRK-R-1	9/5/2002	Other	Alkalinity, Total (as CACO3)	mg/l	1400		
BDRK-R-1	9/5/2002	Other	Carbon Dioxide	mg/l	18		
BDRK-R-1	9/5/2002	Other	Methane	ug/L	4		J
BDRK-R-1	9/5/2002	Other	Nitrate-N	mg/l	0.033	B	
BDRK-R-1	9/5/2002	Other	Sulfate as SO4	mg/l	60		
BDRK-R-1	2/10/2003	Other	Alkalinity, Total (as CACO3)	mg/l	510		
BDRK-R-1	2/10/2003	Other	Carbon Dioxide	/l as CaC	3.8		
BDRK-R-1	2/10/2003	Other	Methane	ug/L	6.8		J
BDRK-R-1	2/10/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-R-1	2/10/2003	Other	Sulfate as SO4	mg/l	48		
BDRK-R-1	4/24/2003	Other	Alkalinity, Total (as CACO3)	/l as CaC	850		
BDRK-R-1	4/24/2003	Other	Carbon Dioxide	/l as CaC	6.7		
BDRK-R-1	4/24/2003	Other	Methane	ug/L	22		
BDRK-R-1	4/24/2003	Other	Nitrate-N	mg/l	0.089		
BDRK-R-1	4/24/2003	Other	Sulfate as SO4	mg/l	23		
BDRK-R-1	6/17/2003	Other	Alkalinity, Total (as CACO3)	mg/l	530		
BDRK-R-1	6/17/2003	Other	Carbon Dioxide	/l as CaC	19		
BDRK-R-1	6/17/2003	Other	Methane	ug/L	10		
BDRK-R-1	6/17/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-R-1	6/17/2003	Other	Sulfate as SO4	mg/l	70		
SITE S							
BDRK-S-1	9/6/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-S-1	9/6/2002	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-S-1	9/6/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-S-1	9/6/2002	VOCs	Acetone	ug/L	25	U	
BDRK-S-1	9/6/2002	VOCs	Benzene	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Bromodichloromethane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	9/6/2002	VOCs	Bromoform	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Bromomethane	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Carbon Disulfide	ug/L	0.5	J	
BDRK-S-1	9/6/2002	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Chloroethane	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Chloroform	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Chloromethane	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Dichloromethane	ug/L	5	U	
BDRK-S-1	9/6/2002	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-S-1	9/6/2002	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Toluene	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Trichloroethene	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-S-1	9/6/2002	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-S-1	2/11/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-S-1	2/11/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-S-1	2/11/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-S-1	2/11/2003	VOCs	Acetone	ug/L	25	U	
BDRK-S-1	2/11/2003	VOCs	Benzene	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Carbon Disulfide	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Chloroethane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	2/11/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-S-1	2/11/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-S-1	2/11/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Toluene	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-S-1	2/11/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-S-1	5/2/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	UJ
BDRK-S-1	5/2/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-S-1	5/2/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	2-Butanone (MEK)	ug/L	2.7	J	J
BDRK-S-1	5/2/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	UJ
BDRK-S-1	5/2/2003	VOCs	Acetone	ug/L	25	U	UJ
BDRK-S-1	5/2/2003	VOCs	Benzene	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Carbon Disulfide	ug/L	1.2		
BDRK-S-1	5/2/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Chloromethane	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-S-1	5/2/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	UJ
BDRK-S-1	5/2/2003	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Tetrachloroethene	ug/L	0.87	J	
BDRK-S-1	5/2/2003	VOCs	Toluene	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	5/2/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-S-1	5/2/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-S-1	6/12/2003	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-S-1	6/12/2003	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-S-1	6/12/2003	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-S-1	6/12/2003	VOCs	Acetone	ug/L	10	U	U
BDRK-S-1	6/12/2003	VOCs	Benzene	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Bromoform	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Bromomethane	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Carbon Disulfide	ug/L	0.95	J	
BDRK-S-1	6/12/2003	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Chlorobenzene	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Chlorodibromomethane	ug/L	1	U	UJ
BDRK-S-1	6/12/2003	VOCs	Chloroethane	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Chloroform	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Chloromethane	ug/L	1	U	U
BDRK-S-1	6/12/2003	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Dichloromethane	ug/L	5	U	
BDRK-S-1	6/12/2003	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-S-1	6/12/2003	VOCs	Styrene (Monomer)	ug/L	1	U	U
BDRK-S-1	6/12/2003	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Toluene	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Trichloroethene	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-S-1	6/12/2003	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-S-1	8/4/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	8/4/2005	VOCs	1,1-Dichloroethane	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	1,2-Dichloroethane	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BDRK-S-1	8/4/2005	VOCs	1,2-Dichloropropane	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	2-Butanone (MEK)	ug/L	10	U	
BDRK-S-1	8/4/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BDRK-S-1	8/4/2005	VOCs	Acetone	ug/L	25	U	
BDRK-S-1	8/4/2005	VOCs	Benzene	ug/L	0.84	J	
BDRK-S-1	8/4/2005	VOCs	Bromodichloromethane	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Bromoform	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Bromomethane	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Carbon Disulfide	ug/L	10		
BDRK-S-1	8/4/2005	VOCs	Carbon Tetrachloride	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Chlorobenzene	ug/L	1.6		
BDRK-S-1	8/4/2005	VOCs	Chlorodibromomethane	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Chloroethane	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Chloroform	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Chloromethane	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Dichloromethane	ug/L	5	U	
BDRK-S-1	8/4/2005	VOCs	Ethane	ug/L	1.1		
BDRK-S-1	8/4/2005	VOCs	Ethene	ug/L	12		
BDRK-S-1	8/4/2005	VOCs	Ethylbenzene	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Methane	ug/L	15		
BDRK-S-1	8/4/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BDRK-S-1	8/4/2005	VOCs	Styrene (Monomer)	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Tetrachloroethene	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Toluene	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Trichloroethene	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Vinyl chloride	ug/L	1	U	
BDRK-S-1	8/4/2005	VOCs	Xylenes, Total	ug/L	2	U	
BDRK-S-1	9/6/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	9/6/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-S-1	9/6/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-S-1	9/6/2002	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-S-1	9/6/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-S-1	9/6/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-S-1	9/6/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-S-1	9/6/2002	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Anthracene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Carbazole	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Chrysene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Di-n-butylphthalate	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	9/6/2002	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Dinoseb	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Fluorene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Isophorone	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Naphthalene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-S-1	9/6/2002	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	Phenol	ug/L	10	U	
BDRK-S-1	9/6/2002	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-S-1	9/6/2002	SVOCs	Pyrene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-S-1	2/11/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-S-1	2/11/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	2/11/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-S-1	2/11/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-S-1	2/11/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-S-1	2/11/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	2/11/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-S-1	2/11/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-S-1	2/11/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-S-1	2/11/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-S-1	5/2/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-S-1	5/2/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-S-1	5/2/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-S-1	5/2/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-S-1	5/2/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-S-1	5/2/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Benzo(a)pyrene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	

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BDRK-S-1	5/2/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	1.4	J	
BDRK-S-1	5/2/2003	SVOCs	Benzo(k)fluoranthene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	0.7	J	
BDRK-S-1	5/2/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-S-1	5/2/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-S-1	5/2/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-S-1	5/2/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	1,2-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	1,3-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	1,4-Dichlorobenzene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2,4,5-Trichlorophenol	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2,4,6-Trichlorophenol	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	6/12/2003	SVOCs	2,4-Dichlorophenol	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2,4-Dimethylphenol	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2,4-Dinitrophenol	ug/L	50	U	
BDRK-S-1	6/12/2003	SVOCs	2,4-Dinitrotoluene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2,6-Dinitrotoluene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2-Chloronaphthalene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2-Chlorophenol	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2-Methylnaphthalene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	2-Nitroaniline	ug/L	50	U	
BDRK-S-1	6/12/2003	SVOCs	2-Nitrophenol	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	U	
BDRK-S-1	6/12/2003	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	3-Nitroaniline	ug/L	50	U	
BDRK-S-1	6/12/2003	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50	U	
BDRK-S-1	6/12/2003	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	4-Chloro-3-methylphenol	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	4-Nitrophenol	ug/L	50	U	
BDRK-S-1	6/12/2003	SVOCs	Acenaphthene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Acenaphthylene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Anthracene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Benzo(a)anthracene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Benzo(a)pyrene	ug/L	1.4	J	
BDRK-S-1	6/12/2003	SVOCs	Benzo(b)fluoranthene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Benzo(g,h,i)perylene	ug/L	1	J	
BDRK-S-1	6/12/2003	SVOCs	Benzo(k)fluoranthene	ug/L	6.9	J	
BDRK-S-1	6/12/2003	SVOCs	Benzyl Butyl Phthalate	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Carbazole	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Chrysene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Dibenzo(a,h)anthracene	ug/L	0.84	J	
BDRK-S-1	6/12/2003	SVOCs	Dibenzofuran	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Diethyl Phthalate	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Dimethyl Phthalate	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Di-n-butylphthalate	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Di-n-octylphthalate	ug/L	10	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	6/12/2003	SVOCs	Dinoseb	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Fluoranthene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Fluorene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Hexachlorobenzene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Hexachlorobutadiene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Hexachlorocyclopentadiene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Hexachloroethane	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	0.95	J	J
BDRK-S-1	6/12/2003	SVOCs	Isophorone	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Naphthalene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Nitrobenzene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	N-Nitrosodiphenylamine	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	P-Chloroaniline	ug/L	20	U	
BDRK-S-1	6/12/2003	SVOCs	Phenanthrene	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	Phenol	ug/L	10	U	
BDRK-S-1	6/12/2003	SVOCs	P-Nitroaniline	ug/L	50	U	
BDRK-S-1	6/12/2003	SVOCs	Pyrene	ug/L	10	U	
BDRK-S-1	8/4/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	U	
BDRK-S-1	8/4/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2-Chloronaphthalene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2-Chlorophenol	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2-Methylnaphthalene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	2-Nitroaniline	ug/L	48	U	
BDRK-S-1	8/4/2005	SVOCs	2-Nitrophenol	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	U	UJ
BDRK-S-1	8/4/2005	SVOCs	3-Nitroaniline	ug/L	48	U	

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BDRK-S-1	8/4/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48	U	
BDRK-S-1	8/4/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	4-Nitrophenol	ug/L	48	U	
BDRK-S-1	8/4/2005	SVOCs	Acenaphthene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Acenaphthylene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Anthracene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Benzo(a)anthracene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Benzo(a)pyrene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Carbazole	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Chrysene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Dibenzofuran	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Diethyl Phthalate	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Dimethyl Phthalate	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Di-n-butylphthalate	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Di-n-octylphthalate	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Dinoseb	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Fluoranthene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Fluorene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Hexachlorobenzene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Hexachlorobutadiene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Hexachloroethane	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Isophorone	ug/L	1.9	J	
BDRK-S-1	8/4/2005	SVOCs	Naphthalene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	Nitrobenzene	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	P-Chloroaniline	ug/L	19	U	
BDRK-S-1	8/4/2005	SVOCs	Phenanthrene	ug/L	9.5	U	

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BDRK-S-1	8/4/2005	SVOCs	Phenol	ug/L	9.5	U	
BDRK-S-1	8/4/2005	SVOCs	P-Nitroaniline	ug/L	48	U	
BDRK-S-1	8/4/2005	SVOCs	Pyrene	ug/L	9.5	U	
BDRK-S-1	9/6/2002	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-S-1	9/6/2002	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	9/6/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-S-1	9/6/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	9/6/2002	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	9/6/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-S-1	9/6/2002	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-S-1	9/6/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	9/6/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	9/6/2002	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	2/11/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-S-1	2/11/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	2/11/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-S-1	2/11/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	2/11/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	2/11/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-S-1	2/11/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-S-1	2/11/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	2/11/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	2/11/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	5/2/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-S-1	5/2/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	5/2/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-S-1	5/2/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	5/2/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	5/2/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-S-1	5/2/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	
BDRK-S-1	5/2/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	5/2/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	5/2/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	6/12/2003	PCBs	Decachlorobiphenyl	ug/L	0.5	U	
BDRK-S-1	6/12/2003	PCBs	Dichlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	6/12/2003	PCBs	Heptachlorobiphenyl	ug/L	0.3	U	
BDRK-S-1	6/12/2003	PCBs	Hexachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	6/12/2003	PCBs	Monochlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	6/12/2003	PCBs	Nonachlorobiphenyl	ug/L	0.5	U	
BDRK-S-1	6/12/2003	PCBs	Octachlorobiphenyl	ug/L	0.3	U	

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BDRK-S-1	6/12/2003	PCBs	Pentachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	6/12/2003	PCBs	Tetrachlorobiphenyl	ug/L	0.2	U	
BDRK-S-1	6/12/2003	PCBs	Trichlorobiphenyl	ug/L	0.1	U	
BDRK-S-1	9/6/2002	Pesticides	4,4'-DDD	ug/L	0.1	U	UJ
BDRK-S-1	9/6/2002	Pesticides	4,4'-DDE	ug/L	0.1	U	UJ
BDRK-S-1	9/6/2002	Pesticides	4,4'-DDT	ug/L	0.1	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Aldrin	ug/L	0.05	U	UJ
BDRK-S-1	9/6/2002	Pesticides	alpha-Chlordane	ug/L	0.05	U	UJ
BDRK-S-1	9/6/2002	Pesticides	beta-BHC	ug/L	0.05	U	UJ
BDRK-S-1	9/6/2002	Pesticides	delta-BHC	ug/L	0.05	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Dieldrin	ug/L	0.1	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Endosulfan I	ug/L	0.05	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Endosulfan II	ug/L	0.1	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Endrin	ug/L	0.1	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Endrin Aldehyde	ug/L	0.1	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Endrin Ketone	ug/L	0.1	U	UJ
BDRK-S-1	9/6/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	UJ
BDRK-S-1	9/6/2002	Pesticides	gamma-Chlordane	ug/L	0.05	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Heptachlor	ug/L	0.05	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Methoxychlor	ug/L	0.5	U	UJ
BDRK-S-1	9/6/2002	Pesticides	Toxaphene	ug/L	5	U	UJ
BDRK-S-1	2/11/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-S-1	2/11/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-S-1	2/11/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-S-1	2/11/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-S-1	2/11/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-S-1	2/11/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-S-1	2/11/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-S-1	2/11/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-S-1	2/11/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-S-1	2/11/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-S-1	2/11/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-S-1	2/11/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-S-1	2/11/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-S-1	2/11/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-S-1	2/11/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-S-1	2/11/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-S-1	2/11/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	2/11/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-S-1	2/11/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-S-1	2/11/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-S-1	2/11/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-S-1	5/2/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-S-1	5/2/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-S-1	5/2/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-S-1	5/2/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-S-1	5/2/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-S-1	5/2/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-S-1	5/2/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-S-1	5/2/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-S-1	5/2/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-S-1	5/2/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-S-1	5/2/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-S-1	5/2/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-S-1	5/2/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-S-1	5/2/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-S-1	5/2/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	
BDRK-S-1	5/2/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-S-1	5/2/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-S-1	5/2/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-S-1	5/2/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-S-1	5/2/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-S-1	5/2/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-S-1	6/12/2003	Pesticides	4,4'-DDD	ug/L	0.1	U	
BDRK-S-1	6/12/2003	Pesticides	4,4'-DDE	ug/L	0.1	U	
BDRK-S-1	6/12/2003	Pesticides	4,4'-DDT	ug/L	0.1	U	
BDRK-S-1	6/12/2003	Pesticides	Aldrin	ug/L	0.05	U	
BDRK-S-1	6/12/2003	Pesticides	alpha-BHC	ug/L	0.05	U	
BDRK-S-1	6/12/2003	Pesticides	alpha-Chlordane	ug/L	0.05	U	
BDRK-S-1	6/12/2003	Pesticides	beta-BHC	ug/L	0.05	U	
BDRK-S-1	6/12/2003	Pesticides	delta-BHC	ug/L	0.05	U	
BDRK-S-1	6/12/2003	Pesticides	Dieldrin	ug/L	0.1	U	
BDRK-S-1	6/12/2003	Pesticides	Endosulfan I	ug/L	0.05	U	
BDRK-S-1	6/12/2003	Pesticides	Endosulfan II	ug/L	0.1	U	
BDRK-S-1	6/12/2003	Pesticides	Endosulfan Sulfate	ug/L	0.1	U	
BDRK-S-1	6/12/2003	Pesticides	Endrin	ug/L	0.1	U	
BDRK-S-1	6/12/2003	Pesticides	Endrin Aldehyde	ug/L	0.1	U	
BDRK-S-1	6/12/2003	Pesticides	Endrin Ketone	ug/L	0.1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	6/12/2003	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	U	
BDRK-S-1	6/12/2003	Pesticides	gamma-Chlordane	ug/L	0.05	U	
BDRK-S-1	6/12/2003	Pesticides	Heptachlor	ug/L	0.05	U	
BDRK-S-1	6/12/2003	Pesticides	Heptachlor Epoxide	ug/L	0.05	U	
BDRK-S-1	6/12/2003	Pesticides	Methoxychlor	ug/L	0.5	U	
BDRK-S-1	6/12/2003	Pesticides	Toxaphene	ug/L	5	U	
BDRK-S-1	9/6/2002	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-S-1	9/6/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-S-1	9/6/2002	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-S-1	9/6/2002	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-S-1	9/6/2002	Herbicides	Dalapon	ug/L	120	U	
BDRK-S-1	9/6/2002	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-S-1	9/6/2002	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-S-1	9/6/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-S-1	9/6/2002	Herbicides	MCPP	ug/L	120	U	
BDRK-S-1	9/6/2002	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-S-1	2/11/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-S-1	2/11/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-S-1	2/11/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-S-1	2/11/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-S-1	2/11/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-S-1	2/11/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-S-1	2/11/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-S-1	2/11/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-S-1	2/11/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-S-1	2/11/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-S-1	5/2/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-S-1	5/2/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	
BDRK-S-1	5/2/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-S-1	5/2/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-S-1	5/2/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-S-1	5/2/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-S-1	5/2/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-S-1	5/2/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-S-1	5/2/2003	Herbicides	MCPP	ug/L	66	JP	J
BDRK-S-1	5/2/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-S-1	6/12/2003	Herbicides	2,4,5-T	ug/L	0.5	U	
BDRK-S-1	6/12/2003	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	6/12/2003	Herbicides	2,4-D	ug/L	0.5	U	
BDRK-S-1	6/12/2003	Herbicides	2,4-DB	ug/L	0.5	U	
BDRK-S-1	6/12/2003	Herbicides	Dalapon	ug/L	120	U	
BDRK-S-1	6/12/2003	Herbicides	Dicamba	ug/L	1.2	U	
BDRK-S-1	6/12/2003	Herbicides	Dichlorprop	ug/L	6	U	
BDRK-S-1	6/12/2003	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-S-1	6/12/2003	Herbicides	MCPP	ug/L	120	U	
BDRK-S-1	6/12/2003	Herbicides	Pentachlorophenol	ug/L	1	U	
BDRK-S-1	8/4/2005	Herbicides	2,4,5-T	ug/L	0.49	U	
BDRK-S-1	8/4/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	U	
BDRK-S-1	8/4/2005	Herbicides	2,4-D	ug/L	0.49	U	
BDRK-S-1	8/4/2005	Herbicides	2,4-DB	ug/L	0.49	U	
BDRK-S-1	8/4/2005	Herbicides	Dalapon	ug/L	9.7	U	
BDRK-S-1	8/4/2005	Herbicides	Dicamba	ug/L	0.49	U	
BDRK-S-1	8/4/2005	Herbicides	Dichlorprop	ug/L	0.49	U	
BDRK-S-1	8/4/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BDRK-S-1	8/4/2005	Herbicides	MCPP	ug/L	120	U	
BDRK-S-1	8/4/2005	Herbicides	Pentachlorophenol	ug/L	0.24	U	
BDRK-S-1	9/6/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000042	U	
BDRK-S-1	9/6/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000035	U	
BDRK-S-1	9/6/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000046	U	
BDRK-S-1	9/6/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000042	U	UJ
BDRK-S-1	9/6/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000038	U	
BDRK-S-1	9/6/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000044	U	UJ
BDRK-S-1	9/6/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000038	U	
BDRK-S-1	9/6/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.000004	U	UJ
BDRK-S-1	9/6/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000046	U	
BDRK-S-1	9/6/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000037	U	
BDRK-S-1	9/6/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.000006	U	UJ
BDRK-S-1	9/6/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.000004	U	
BDRK-S-1	9/6/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000037	U	
BDRK-S-1	9/6/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.0000044	U	
BDRK-S-1	9/6/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000025	U	UJ
BDRK-S-1	9/6/2002	Dioxins	OCDD	ug/L	0.0000098	U	
BDRK-S-1	9/6/2002	Dioxins	OCDF	ug/L	0.0000076	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	9/6/2002	Dioxins	Total HpCDD	ug/L	0.0000042	U	
BDRK-S-1	9/6/2002	Dioxins	Total HpCDF	ug/L	0.0000046	U	
BDRK-S-1	9/6/2002	Dioxins	Total HxCDD	ug/L	0.0000044	U	UJ
BDRK-S-1	9/6/2002	Dioxins	Total HxCDF	ug/L	0.0000046	U	
BDRK-S-1	9/6/2002	Dioxins	Total PeCDD	ug/L	0.000006	U	UJ
BDRK-S-1	9/6/2002	Dioxins	Total PeCDF	ug/L	0.0000037	U	
BDRK-S-1	9/6/2002	Dioxins	Total TCDD	ug/L	0.0000044	U	
BDRK-S-1	9/6/2002	Dioxins	Total TCDF	ug/L	0.0000025	U	UJ
BDRK-S-1	2/11/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000075	U	
BDRK-S-1	2/11/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000049	U	UJ
BDRK-S-1	2/11/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000064	U	
BDRK-S-1	2/11/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000075	U	UJ
BDRK-S-1	2/11/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000055	U	
BDRK-S-1	2/11/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000075	U	
BDRK-S-1	2/11/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000052	U	
BDRK-S-1	2/11/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000072	U	
BDRK-S-1	2/11/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.000007	U	
BDRK-S-1	2/11/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000068	U	
BDRK-S-1	2/11/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.000011	U	
BDRK-S-1	2/11/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000059	U	UJ
BDRK-S-1	2/11/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000065	U	
BDRK-S-1	2/11/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000054	U	
BDRK-S-1	2/11/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000044	U	
BDRK-S-1	2/11/2003	Dioxins	OCDD	ug/L	0.0000096	U	
BDRK-S-1	2/11/2003	Dioxins	OCDF	ug/L	0.0000098	U	UJ
BDRK-S-1	2/11/2003	Dioxins	Total HpCDD	ug/L	0.0000075	U	
BDRK-S-1	2/11/2003	Dioxins	Total HpCDF	ug/L	0.0000064	U	
BDRK-S-1	2/11/2003	Dioxins	Total HxCDD	ug/L	0.0000075	U	
BDRK-S-1	2/11/2003	Dioxins	Total HxCDF	ug/L	0.000007	U	
BDRK-S-1	2/11/2003	Dioxins	Total PeCDD	ug/L	0.000011	U	
BDRK-S-1	2/11/2003	Dioxins	Total PeCDF	ug/L	0.0000068	U	
BDRK-S-1	2/11/2003	Dioxins	Total TCDD	ug/L	0.0000054	U	
BDRK-S-1	2/11/2003	Dioxins	Total TCDF	ug/L	0.0000044	U	
BDRK-S-1	5/2/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000032	U	
BDRK-S-1	5/2/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000042	U	

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BDRK-S-1	5/2/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000024	U	
BDRK-S-1	5/2/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000032	U	
BDRK-S-1	5/2/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000026	U	
BDRK-S-1	5/2/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000029	U	
BDRK-S-1	5/2/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000018	U	
BDRK-S-1	5/2/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000027	U	
BDRK-S-1	5/2/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000023	U	
BDRK-S-1	5/2/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.000002	U	
BDRK-S-1	5/2/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000035	U	
BDRK-S-1	5/2/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000021	U	
BDRK-S-1	5/2/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000018	U	
BDRK-S-1	5/2/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000016	U	
BDRK-S-1	5/2/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000017	U	
BDRK-S-1	5/2/2003	Dioxins	OCDD	ug/L	0.0000065	U	
BDRK-S-1	5/2/2003	Dioxins	OCDF	ug/L	0.0000048	U	
BDRK-S-1	5/2/2003	Dioxins	Total HpCDD	ug/L	0.0000032	U	
BDRK-S-1	5/2/2003	Dioxins	Total HpCDF	ug/L	0.0000042	U	
BDRK-S-1	5/2/2003	Dioxins	Total HxCDD	ug/L	0.0000032	U	
BDRK-S-1	5/2/2003	Dioxins	Total HxCDF	ug/L	0.0000026	U	
BDRK-S-1	5/2/2003	Dioxins	Total PeCDD	ug/L	0.0000035	U	
BDRK-S-1	5/2/2003	Dioxins	Total PeCDF	ug/L	0.000002	U	
BDRK-S-1	5/2/2003	Dioxins	Total TCDD	ug/L	0.0000019	U	
BDRK-S-1	5/2/2003	Dioxins	Total TCDF	ug/L	0.0000017	U	
BDRK-S-1	6/12/2003	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000068	U	
BDRK-S-1	6/12/2003	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000046	U	
BDRK-S-1	6/12/2003	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000049	U	
BDRK-S-1	6/12/2003	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000082	U	
BDRK-S-1	6/12/2003	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000076	U	
BDRK-S-1	6/12/2003	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000082	U	
BDRK-S-1	6/12/2003	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.000007	U	
BDRK-S-1	6/12/2003	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000076	U	
BDRK-S-1	6/12/2003	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000082	U	
BDRK-S-1	6/12/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000085	U	

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BDRK-S-1	6/12/2003	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000099	U	
BDRK-S-1	6/12/2003	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000078	U	
BDRK-S-1	6/12/2003	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000086	U	
BDRK-S-1	6/12/2003	Dioxins	2,3,7,8-TCDD	ug/L	0.0000062	U	
BDRK-S-1	6/12/2003	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000067	U	
BDRK-S-1	6/12/2003	Dioxins	OCDD	ug/L	0.000012	U	
BDRK-S-1	6/12/2003	Dioxins	OCDF	ug/L	0.0000069	U	
BDRK-S-1	6/12/2003	Dioxins	Total HpCDD	ug/L	0.0000068	U	
BDRK-S-1	6/12/2003	Dioxins	Total HpCDF	ug/L	0.0000049	U	
BDRK-S-1	6/12/2003	Dioxins	Total HxCDD	ug/L	0.0000082	U	
BDRK-S-1	6/12/2003	Dioxins	Total HxCDF	ug/L	0.0000082	U	
BDRK-S-1	6/12/2003	Dioxins	Total PeCDD	ug/L	0.000012	U	
BDRK-S-1	6/12/2003	Dioxins	Total PeCDF	ug/L	0.0000086	U	
BDRK-S-1	6/12/2003	Dioxins	Total TCDD	ug/L	0.0000062	U	
BDRK-S-1	6/12/2003	Dioxins	Total TCDF	ug/L	0.0000067	U	
BDRK-S-1	9/6/2002	Metals	Aluminum	mg/l	6.3		
BDRK-S-1	9/6/2002	Metals	Antimony	mg/l	0.02	U	
BDRK-S-1	9/6/2002	Metals	Arsenic	mg/l	0.0063	B	
BDRK-S-1	9/6/2002	Metals	Barium	mg/l	0.018		U
BDRK-S-1	9/6/2002	Metals	Beryllium	mg/l	0.004	U	U
BDRK-S-1	9/6/2002	Metals	Cadmium	mg/l	0.005	U	
BDRK-S-1	9/6/2002	Metals	Calcium	mg/l	29		
BDRK-S-1	9/6/2002	Metals	Chromium	mg/l	0.01	U	U
BDRK-S-1	9/6/2002	Metals	Cobalt	mg/l	0.01	U	U
BDRK-S-1	9/6/2002	Metals	Copper	mg/l	0.02	U	U
BDRK-S-1	9/6/2002	Metals	Iron	mg/l	3.3		
BDRK-S-1	9/6/2002	Metals	Lead	mg/l	0.005	U	
BDRK-S-1	9/6/2002	Metals	Magnesium	mg/l	15		
BDRK-S-1	9/6/2002	Metals	Manganese	mg/l	0.022		
BDRK-S-1	9/6/2002	Metals	Mercury	mg/l	0.000073	B	
BDRK-S-1	9/6/2002	Metals	Nickel	mg/l	0.008	B	
BDRK-S-1	9/6/2002	Metals	Potassium	mg/l	13	E	J
BDRK-S-1	9/6/2002	Metals	Selenium	mg/l	0.01	U	
BDRK-S-1	9/6/2002	Metals	Silver	mg/l	0.01	U	
BDRK-S-1	9/6/2002	Metals	Sodium	mg/l	460		
BDRK-S-1	9/6/2002	Metals	Thallium	mg/l	0.01	U	
BDRK-S-1	9/6/2002	Metals	Vanadium	mg/l	0.014		
BDRK-S-1	9/6/2002	Metals	Zinc	mg/l	0.0072	B	
BDRK-S-1	2/11/2003	Metals	Aluminum	mg/l	2.5		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	2/11/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-S-1	2/11/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-S-1	2/11/2003	Metals	Barium	mg/l	0.014		
BDRK-S-1	2/11/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-S-1	2/11/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-S-1	2/11/2003	Metals	Calcium	mg/l	25		
BDRK-S-1	2/11/2003	Metals	Chromium	mg/l	0.0029	B	
BDRK-S-1	2/11/2003	Metals	Cobalt	mg/l	0.0011	B	
BDRK-S-1	2/11/2003	Metals	Copper	mg/l	0.0022	B	
BDRK-S-1	2/11/2003	Metals	Iron	mg/l	1.4		J
BDRK-S-1	2/11/2003	Metals	Lead	mg/l	0.005	U	
BDRK-S-1	2/11/2003	Metals	Magnesium	mg/l	15		
BDRK-S-1	2/11/2003	Metals	Manganese	mg/l	0.0093	B	
BDRK-S-1	2/11/2003	Metals	Mercury	mg/l	0.0002	U	UJ
BDRK-S-1	2/11/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-S-1	2/11/2003	Metals	Potassium	mg/l	10		
BDRK-S-1	2/11/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-S-1	2/11/2003	Metals	Silver	mg/l	0.01	U	
BDRK-S-1	2/11/2003	Metals	Sodium	mg/l	480		
BDRK-S-1	2/11/2003	Metals	Thallium	mg/l	0.01	U	UJ
BDRK-S-1	2/11/2003	Metals	Vanadium	mg/l	0.0069	B	
BDRK-S-1	2/11/2003	Metals	Zinc	mg/l	0.0041	B	
BDRK-S-1	5/2/2003	Metals	Aluminum	mg/l	2.4		
BDRK-S-1	5/2/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-S-1	5/2/2003	Metals	Arsenic	mg/l	0.01	U	
BDRK-S-1	5/2/2003	Metals	Barium	mg/l	0.017		
BDRK-S-1	5/2/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-S-1	5/2/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-S-1	5/2/2003	Metals	Calcium	mg/l	23		
BDRK-S-1	5/2/2003	Metals	Chromium	mg/l	0.01	B	U
BDRK-S-1	5/2/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-S-1	5/2/2003	Metals	Copper	mg/l	0.02	U	
BDRK-S-1	5/2/2003	Metals	Iron	mg/l	1.2		J
BDRK-S-1	5/2/2003	Metals	Lead	mg/l	0.005	U	UJ
BDRK-S-1	5/2/2003	Metals	Magnesium	mg/l	15		
BDRK-S-1	5/2/2003	Metals	Manganese	mg/l	0.0075	B	
BDRK-S-1	5/2/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-S-1	5/2/2003	Metals	Nickel	mg/l	0.0024	B	
BDRK-S-1	5/2/2003	Metals	Potassium	mg/l	10		
BDRK-S-1	5/2/2003	Metals	Selenium	mg/l	0.01	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	5/2/2003	Metals	Silver	mg/l	0.01	U	
BDRK-S-1	5/2/2003	Metals	Sodium	mg/l	490		
BDRK-S-1	5/2/2003	Metals	Thallium	mg/l	0.01	B	U
BDRK-S-1	5/2/2003	Metals	Vanadium	mg/l	0.01	B	U
BDRK-S-1	5/2/2003	Metals	Zinc	mg/l	0.0034	B	
BDRK-S-1	6/12/2003	Metals	Aluminum	mg/l	1.1	E	J
BDRK-S-1	6/12/2003	Metals	Antimony	mg/l	0.02	U	
BDRK-S-1	6/12/2003	Metals	Arsenic	mg/l	0.01	U	UJ
BDRK-S-1	6/12/2003	Metals	Barium	mg/l	0.012		
BDRK-S-1	6/12/2003	Metals	Beryllium	mg/l	0.004	U	
BDRK-S-1	6/12/2003	Metals	Cadmium	mg/l	0.005	U	
BDRK-S-1	6/12/2003	Metals	Calcium	mg/l	19		
BDRK-S-1	6/12/2003	Metals	Chromium	mg/l	0.0011	BL	U
BDRK-S-1	6/12/2003	Metals	Cobalt	mg/l	0.01	U	
BDRK-S-1	6/12/2003	Metals	Copper	mg/l	0.02	U	
BDRK-S-1	6/12/2003	Metals	Iron	mg/l	0.58		
BDRK-S-1	6/12/2003	Metals	Lead	mg/l	0.005	U	UJ
BDRK-S-1	6/12/2003	Metals	Magnesium	mg/l	14		
BDRK-S-1	6/12/2003	Metals	Manganese	mg/l	0.0069	B	
BDRK-S-1	6/12/2003	Metals	Mercury	mg/l	0.0002	U	
BDRK-S-1	6/12/2003	Metals	Nickel	mg/l	0.04	U	
BDRK-S-1	6/12/2003	Metals	Potassium	mg/l	9.8	E	J
BDRK-S-1	6/12/2003	Metals	Selenium	mg/l	0.01	U	
BDRK-S-1	6/12/2003	Metals	Silver	mg/l	0.01	U	
BDRK-S-1	6/12/2003	Metals	Sodium	mg/l	520		
BDRK-S-1	6/12/2003	Metals	Thallium	mg/l	0.01	U	
BDRK-S-1	6/12/2003	Metals	Vanadium	mg/l	0.01	BL	U
BDRK-S-1	6/12/2003	Metals	Zinc	mg/l	0.014	B	J
BDRK-S-1	8/4/2005	Metals	Aluminum	mg/l	0.045	J	
BDRK-S-1	8/4/2005	Metals	Antimony	mg/l	0.02	U	
BDRK-S-1	8/4/2005	Metals	Arsenic	mg/l	0.01	U	
BDRK-S-1	8/4/2005	Metals	Barium	mg/l	0.02		
BDRK-S-1	8/4/2005	Metals	Beryllium	mg/l	0.004	U	
BDRK-S-1	8/4/2005	Metals	Cadmium	mg/l	0.005	U	
BDRK-S-1	8/4/2005	Metals	Calcium	mg/l	11		
BDRK-S-1	8/4/2005	Metals	Chromium	mg/l	0.01	U	
BDRK-S-1	8/4/2005	Metals	Cobalt	mg/l	0.01	U	
BDRK-S-1	8/4/2005	Metals	Copper	mg/l	0.02	U	
BDRK-S-1	8/4/2005	Metals	Iron	mg/l	0.037	J	
BDRK-S-1	8/4/2005	Metals	Lead	mg/l	0.005	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BDRK-S-1	8/4/2005	Metals	Magnesium	mg/l	9.4		
BDRK-S-1	8/4/2005	Metals	Manganese	mg/l	0.01	U	
BDRK-S-1	8/4/2005	Metals	Mercury	mg/l	0.0002	U	
BDRK-S-1	8/4/2005	Metals	Nickel	mg/l	0.04	U	
BDRK-S-1	8/4/2005	Metals	Potassium	mg/l	9.7		
BDRK-S-1	8/4/2005	Metals	Selenium	mg/l	0.01	U	
BDRK-S-1	8/4/2005	Metals	Silver	mg/l	0.01	U	
BDRK-S-1	8/4/2005	Metals	Sodium	mg/l	420		
BDRK-S-1	8/4/2005	Metals	Thallium	mg/l	0.025	U	
BDRK-S-1	8/4/2005	Metals	Vanadium	mg/l	0.01	U	
BDRK-S-1	8/4/2005	Metals	Zinc	mg/l	0.0037	J	
BDRK-S-1	9/6/2002	Other	Alkalinity, Total (as CACO3)	mg/l	510		
BDRK-S-1	9/6/2002	Other	Carbon Dioxide	mg/l	6.9		
BDRK-S-1	9/6/2002	Other	Nitrate-N	mg/l	0.015	B	
BDRK-S-1	9/6/2002	Other	Sulfate as SO4	mg/l	110		
BDRK-S-1	9/9/2002	Other	Methane	ug/L	11		J
BDRK-S-1	2/11/2003	Other	Alkalinity, Total (as CACO3)	mg/l	490		
BDRK-S-1	2/11/2003	Other	Carbon Dioxide	/l as CaC	8.8		
BDRK-S-1	2/11/2003	Other	Methane	ug/L	6.9		J
BDRK-S-1	2/11/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-S-1	2/11/2003	Other	Sulfate as SO4	mg/l	110		
BDRK-S-1	5/2/2003	Other	Alkalinity, Total (as CACO3)	mg/l	530		
BDRK-S-1	5/2/2003	Other	Carbon Dioxide	/l as CaC	7.1		
BDRK-S-1	5/2/2003	Other	Methane	ug/L	25		
BDRK-S-1	5/2/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-S-1	5/2/2003	Other	Sulfate as SO4	mg/l	89		
BDRK-S-1	6/12/2003	Other	Alkalinity, Total (as CACO3)	mg/l	880		
BDRK-S-1	6/12/2003	Other	Carbon Dioxide	/l as CaC	17		
BDRK-S-1	6/12/2003	Other	Methane	ug/L	21		
BDRK-S-1	6/12/2003	Other	Nitrate-N	mg/l	0.05	U	
BDRK-S-1	6/12/2003	Other	Sulfate as SO4	mg/l	120		
BDRK-S-1	8/4/2005	Other	Alkalinity	mg/l	370		
BDRK-S-1	8/4/2005	Other	Ammonia	mg/l	0.91	B	
BDRK-S-1	8/4/2005	Other	Carbon Dioxide	mg/l	1.5		
BDRK-S-1	8/4/2005	Other	Chloride	mg/l	400		
BDRK-S-1	8/4/2005	Other	Nitrogen, Nitrate	mg/l	0.05	U	
BDRK-S-1	8/4/2005	Other	Nitrogen, Nitrate Nitrite	mg/l	0.05	U	
BDRK-S-1	8/4/2005	Other	Nitrogen, Nitrite	mg/l	0.05	U	
BDRK-S-1	8/4/2005	Other	Sulfate as SO4	mg/l	83		
BDRK-S-1	8/4/2005	Other	Total Organic Carbon	mg/l	0.86	J	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
SAUGET AREA 1							
BR-G	8/18/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BR-G	8/18/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BR-G	8/18/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	U	
BR-G	8/18/2005	VOCs	1,1-Dichloroethane	ug/L	1	U	
BR-G	8/18/2005	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BR-G	8/18/2005	VOCs	1,2-Dichloroethane	ug/L	1	U	
BR-G	8/18/2005	VOCs	1,2-Dichloroethene (total)	ug/L	9.9		
BR-G	8/18/2005	VOCs	1,2-Dichloropropane	ug/L	1	U	
BR-G	8/18/2005	VOCs	2-Butanone (MEK)	ug/L	10	U	
BR-G	8/18/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	31		
BR-G	8/18/2005	VOCs	Acetone	ug/L	25	U	
BR-G	8/18/2005	VOCs	Benzene	ug/L	47		
BR-G	8/18/2005	VOCs	Bromodichloromethane	ug/L	1	U	
BR-G	8/18/2005	VOCs	Bromoform	ug/L	1	U	
BR-G	8/18/2005	VOCs	Bromomethane	ug/L	1	U	
BR-G	8/18/2005	VOCs	Carbon Disulfide	ug/L	1.1		
BR-G	8/18/2005	VOCs	Carbon Tetrachloride	ug/L	1	U	
BR-G	8/18/2005	VOCs	Chlorobenzene	ug/L	53		
BR-G	8/18/2005	VOCs	Chlorodibromomethane	ug/L	1	U	
BR-G	8/18/2005	VOCs	Chloroethane	ug/L	1	U	
BR-G	8/18/2005	VOCs	Chloroform	ug/L	1	U	
BR-G	8/18/2005	VOCs	Chloromethane	ug/L	1	U	
BR-G	8/18/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BR-G	8/18/2005	VOCs	Dichloromethane	ug/L	0.75	J	U
BR-G	8/18/2005	VOCs	Ethane	ug/L	0.35	U	
BR-G	8/18/2005	VOCs	Ethene	ug/L	0.82		
BR-G	8/18/2005	VOCs	Ethylbenzene	ug/L	0.82	J	
BR-G	8/18/2005	VOCs	Methane	ug/L	43		
BR-G	8/18/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BR-G	8/18/2005	VOCs	Styrene (Monomer)	ug/L	1	U	
BR-G	8/18/2005	VOCs	Tetrachloroethene	ug/L	1	U	
BR-G	8/18/2005	VOCs	Toluene	ug/L	1	U	
BR-G	8/18/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BR-G	8/18/2005	VOCs	Trichloroethene	ug/L	1	U	
BR-G	8/18/2005	VOCs	Vinyl chloride	ug/L	1	U	
BR-G	8/18/2005	VOCs	Xylenes, Total	ug/L	2	U	
BR-H	8/3/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	U	
BR-H	8/3/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1	U	
BR-H	8/3/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BR-H	8/3/2005	VOCs	1,1-Dichloroethane	ug/L	1	U	
BR-H	8/3/2005	VOCs	1,1-Dichloroethylene	ug/L	1	U	
BR-H	8/3/2005	VOCs	1,2-Dichloroethane	ug/L	1	U	
BR-H	8/3/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2	U	
BR-H	8/3/2005	VOCs	1,2-Dichloropropane	ug/L	1	U	
BR-H	8/3/2005	VOCs	2-Butanone (MEK)	ug/L	10	U	
BR-H	8/3/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10	U	
BR-H	8/3/2005	VOCs	Acetone	ug/L	25	U	
BR-H	8/3/2005	VOCs	Benzene	ug/L	0.87	J	
BR-H	8/3/2005	VOCs	Bromodichloromethane	ug/L	1	U	
BR-H	8/3/2005	VOCs	Bromoform	ug/L	1	U	
BR-H	8/3/2005	VOCs	Bromomethane	ug/L	1	U	
BR-H	8/3/2005	VOCs	Carbon Disulfide	ug/L	1	U	
BR-H	8/3/2005	VOCs	Carbon Tetrachloride	ug/L	1	U	
BR-H	8/3/2005	VOCs	Chlorobenzene	ug/L	81		
BR-H	8/3/2005	VOCs	Chlorodibromomethane	ug/L	1	U	
BR-H	8/3/2005	VOCs	Chloroethane	ug/L	1	U	
BR-H	8/3/2005	VOCs	Chloroform	ug/L	1	U	
BR-H	8/3/2005	VOCs	Chloromethane	ug/L	1	U	
BR-H	8/3/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1	U	
BR-H	8/3/2005	VOCs	Dichloromethane	ug/L	5	U	
BR-H	8/3/2005	VOCs	Ethane	ug/L	0.35	U	
BR-H	8/3/2005	VOCs	Ethene	ug/L	0.47		
BR-H	8/3/2005	VOCs	Ethylbenzene	ug/L	1	U	
BR-H	8/3/2005	VOCs	Methane	ug/L	2.3		
BR-H	8/3/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10	U	
BR-H	8/3/2005	VOCs	Styrene (Monomer)	ug/L	1	U	
BR-H	8/3/2005	VOCs	Tetrachloroethene	ug/L	1	U	
BR-H	8/3/2005	VOCs	Toluene	ug/L	1	U	
BR-H	8/3/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1	U	
BR-H	8/3/2005	VOCs	Trichloroethene	ug/L	1	U	
BR-H	8/3/2005	VOCs	Vinyl chloride	ug/L	1	U	
BR-H	8/3/2005	VOCs	Xylenes, Total	ug/L	2	U	
BR-G	8/18/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	25	J	
BR-G	8/18/2005	SVOCs	1,2-Dichlorobenzene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	1,3-Dichlorobenzene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	1,4-Dichlorobenzene	ug/L	760		
BR-G	8/18/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	47	U	
BR-G	8/18/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	47	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BR-G	8/18/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	14	J	
BR-G	8/18/2005	SVOCs	2,4-Dichlorophenol	ug/L	47	U	
BR-G	8/18/2005	SVOCs	2,4-Dimethylphenol	ug/L	47	U	
BR-G	8/18/2005	SVOCs	2,4-Dinitrophenol	ug/L	240	U	
BR-G	8/18/2005	SVOCs	2,4-Dinitrotoluene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	2,6-Dinitrotoluene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	2-Chloronaphthalene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	2-Chlorophenol	ug/L	22	J	
BR-G	8/18/2005	SVOCs	2-Methylnaphthalene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	47	U	
BR-G	8/18/2005	SVOCs	2-Nitroaniline	ug/L	240	U	
BR-G	8/18/2005	SVOCs	2-Nitrophenol	ug/L	47	U	
BR-G	8/18/2005	SVOCs	3 & 4 Methylphenol	ug/L	47	U	
BR-G	8/18/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	94	U	
BR-G	8/18/2005	SVOCs	3-Nitroaniline	ug/L	240	U	
BR-G	8/18/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	240	U	
BR-G	8/18/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	47	U	
BR-G	8/18/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	47	U	
BR-G	8/18/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	47	U	
BR-G	8/18/2005	SVOCs	4-Nitrophenol	ug/L	240	U	
BR-G	8/18/2005	SVOCs	Acenaphthene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Acenaphthylene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Anthracene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Benzo(a)anthracene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Benzo(a)pyrene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Benzo(b)fluoranthene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Benzo(k)fluoranthene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	47	U	
BR-G	8/18/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	47	U	
BR-G	8/18/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	47	U	
BR-G	8/18/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Carbazole	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Chrysene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Dibenzofuran	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Diethyl Phthalate	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Dimethyl Phthalate	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Di-n-butylphthalate	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Di-n-octylphthalate	ug/L	47	U	

Analytical Results (Bedrock)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BR-G	8/18/2005	SVOCs	Dinoseb	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Fluoranthene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Fluorene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Hexachlorobenzene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Hexachlorobutadiene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Hexachloroethane	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Isophorone	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Naphthalene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Nitrobenzene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	47	U	
BR-G	8/18/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	47	U	
BR-G	8/18/2005	SVOCs	P-Chloroaniline	ug/L	38	J	
BR-G	8/18/2005	SVOCs	Phenanthrene	ug/L	47	U	
BR-G	8/18/2005	SVOCs	Phenol	ug/L	85		
BR-G	8/18/2005	SVOCs	P-Nitroaniline	ug/L	240	U	
BR-G	8/18/2005	SVOCs	Pyrene	ug/L	47	U	
BR-H	8/3/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	2.4	J	
BR-H	8/3/2005	SVOCs	1,2-Dichlorobenzene	ug/L	6.1	J	
BR-H	8/3/2005	SVOCs	1,3-Dichlorobenzene	ug/L	1.1	J	
BR-H	8/3/2005	SVOCs	1,4-Dichlorobenzene	ug/L	32		
BR-H	8/3/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	2,4-Dichlorophenol	ug/L	0.74	J	
BR-H	8/3/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	U	
BR-H	8/3/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	2-Chloronaphthalene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	2-Chlorophenol	ug/L	1.2	J	
BR-H	8/3/2005	SVOCs	2-Methylnaphthalene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	2-Nitroaniline	ug/L	48	U	
BR-H	8/3/2005	SVOCs	2-Nitrophenol	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	U	UJ
BR-H	8/3/2005	SVOCs	3-Nitroaniline	ug/L	48	U	

Analytical Results (Bedrock)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BR-H	8/3/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48	U	
BR-H	8/3/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	4-Nitrophenol	ug/L	48	U	
BR-H	8/3/2005	SVOCs	Acenaphthene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Acenaphthylene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Anthracene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Benzo(a)anthracene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Benzo(a)pyrene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Carbazole	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Chrysene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Dibenzofuran	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Diethyl Phthalate	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Dimethyl Phthalate	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Di-n-butylphthalate	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Di-n-octylphthalate	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Dinoseb	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Fluoranthene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Fluorene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Hexachlorobenzene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Hexachlorobutadiene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Hexachloroethane	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Isophorone	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Naphthalene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	Nitrobenzene	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	6.5	J	
BR-H	8/3/2005	SVOCs	P-Chloroaniline	ug/L	9.9	J	
BR-H	8/3/2005	SVOCs	Phenanthrene	ug/L	9.5	U	

Analytical Results (Bedrock)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BR-H	8/3/2005	SVOCs	Phenol	ug/L	9.5	U	
BR-H	8/3/2005	SVOCs	P-Nitroaniline	ug/L	48	U	
BR-H	8/3/2005	SVOCs	Pyrene	ug/L	9.5	U	
BR-G	8/18/2005	Herbicides	2,4,5-T	ug/L	24	U	
BR-G	8/18/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	24	U	
BR-G	8/18/2005	Herbicides	2,4-D	ug/L	220		
BR-G	8/18/2005	Herbicides	2,4-DB	ug/L	24	U	
BR-G	8/18/2005	Herbicides	Dalapon	ug/L	490	U	
BR-G	8/18/2005	Herbicides	Dicamba	ug/L	24	U	
BR-G	8/18/2005	Herbicides	Dichlorprop	ug/L	22	JP	
BR-G	8/18/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	5800	U	
BR-G	8/18/2005	Herbicides	MCPP	ug/L	5800	U	
BR-G	8/18/2005	Herbicides	Pentachlorophenol	ug/L	12	U	
BR-H	8/3/2005	Herbicides	2,4,5-T	ug/L	0.49	U	
BR-H	8/3/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	U	
BR-H	8/3/2005	Herbicides	2,4-D	ug/L	0.49	U	
BR-H	8/3/2005	Herbicides	2,4-DB	ug/L	0.49	U	
BR-H	8/3/2005	Herbicides	Dalapon	ug/L	9.7	U	
BR-H	8/3/2005	Herbicides	Dicamba	ug/L	0.49	U	
BR-H	8/3/2005	Herbicides	Dichlorprop	ug/L	0.066	JP	
BR-H	8/3/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120	U	
BR-H	8/3/2005	Herbicides	MCPP	ug/L	120	U	
BR-G	8/18/2005	Metals	Aluminum	mg/l	0.11	J	
BR-G	8/18/2005	Metals	Antimony	mg/l	0.02	U	
BR-G	8/18/2005	Metals	Arsenic	mg/l	0.01	U	
BR-G	8/18/2005	Metals	Barium	mg/l	0.56		
BR-G	8/18/2005	Metals	Beryllium	mg/l	0.004	U	
BR-G	8/18/2005	Metals	Cadmium	mg/l	0.005	U	
BR-G	8/18/2005	Metals	Calcium	mg/l	230		
BR-G	8/18/2005	Metals	Chromium	mg/l	0.021		
BR-G	8/18/2005	Metals	Cobalt	mg/l	0.01	U	
BR-G	8/18/2005	Metals	Copper	mg/l	0.0017	J	
BR-G	8/18/2005	Metals	Iron	mg/l	0.44		
BR-G	8/18/2005	Metals	Lead	mg/l	0.005	U	
BR-G	8/18/2005	Metals	Magnesium	mg/l	91		
BR-G	8/18/2005	Metals	Manganese	mg/l	0.024		
BR-G	8/18/2005	Metals	Mercury	mg/l	0.0002	U	
BR-G	8/18/2005	Metals	Nickel	mg/l	0.012	J	

Analytical Results (Bedrock)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BR-G	8/18/2005	Metals	Potassium	mg/l	11	B	
BR-G	8/18/2005	Metals	Selenium	mg/l	0.01	U	
BR-G	8/18/2005	Metals	Silver	mg/l	0.01	U	
BR-G	8/18/2005	Metals	Sodium	mg/l	49	B	
BR-G	8/18/2005	Metals	Thallium	mg/l	0.025	U	
BR-G	8/18/2005	Metals	Vanadium	mg/l	0.01	U	
BR-G	8/18/2005	Metals	Zinc	mg/l	0.0057	J	U
BR-H	8/3/2005	Metals	Aluminum	mg/l	0.06	J	
BR-H	8/3/2005	Metals	Antimony	mg/l	0.02	U	
BR-H	8/3/2005	Metals	Arsenic	mg/l	0.0048	J	
BR-H	8/3/2005	Metals	Barium	mg/l	0.028		
BR-H	8/3/2005	Metals	Beryllium	mg/l	0.004	U	
BR-H	8/3/2005	Metals	Cadmium	mg/l	0.005	U	
BR-H	8/3/2005	Metals	Calcium	mg/l	590		
BR-H	8/3/2005	Metals	Chromium	mg/l	0.01	U	
BR-H	8/3/2005	Metals	Cobalt	mg/l	0.0035	J	
BR-H	8/3/2005	Metals	Copper	mg/l	0.02	U	
BR-H	8/3/2005	Metals	Iron	mg/l	25		
BR-H	8/3/2005	Metals	Lead	mg/l	0.005	U	
BR-H	8/3/2005	Metals	Magnesium	mg/l	49		
BR-H	8/3/2005	Metals	Manganese	mg/l	4.1		
BR-H	8/3/2005	Metals	Mercury	mg/l	0.0002	U	
BR-H	8/3/2005	Metals	Nickel	mg/l	6.7		
BR-H	8/3/2005	Metals	Potassium	mg/l	15		
BR-H	8/3/2005	Metals	Selenium	mg/l	0.01	U	
BR-H	8/3/2005	Metals	Silver	mg/l	0.01	U	
BR-H	8/3/2005	Metals	Sodium	mg/l	22		
BR-H	8/3/2005	Metals	Thallium	mg/l	0.025	U	
BR-H	8/3/2005	Metals	Vanadium	mg/l	0.01	U	
BR-H	8/3/2005	Metals	Zinc	mg/l	0.016	J	
BR-G	8/18/2005	Other	Alkalinity	mg/l	570		
BR-G	8/18/2005	Other	Ammonia	mg/l	1.2		
BR-G	8/18/2005	Other	Carbon Dioxide	mg/l	120	B	
BR-G	8/18/2005	Other	Chloride	mg/l	360		
BR-G	8/18/2005	Other	Nitrogen, Nitrate	mg/l	0.031	J	
BR-G	8/18/2005	Other	Nitrogen, Nitrate Nitrite	mg/l	0.031	J	
BR-G	8/18/2005	Other	Nitrogen, Nitrite	mg/l	0.05	U	
BR-G	8/18/2005	Other	Sulfate as SO4	mg/l	39		
BR-G	8/18/2005	Other	Total Organic Carbon	mg/l	19		
BR-H	8/3/2005	Other	Alkalinity	mg/l	260		

Analytical Results (Bedrock)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	Lab Qual.	URS Qual.
BR-H	8/3/2005	Other	Ammonia	mg/l	1.7	B	J
BR-H	8/3/2005	Other	Carbon Dioxide	mg/l	64		
BR-H	8/3/2005	Other	Chloride	mg/l	34		
BR-H	8/3/2005	Other	Nitrogen, Nitrate	mg/l	0.044	J	
BR-H	8/3/2005	Other	Nitrogen, Nitrate Nitrite	mg/l	0.044	J	
BR-H	8/3/2005	Other	Nitrogen, Nitrite	mg/l	0.05	U	
BR-H	8/3/2005	Other	Sulfate as SO4	mg/l	1400		
BR-H	8/3/2005	Other	Total Organic Carbon	mg/l	1.1		

Analytical Results (Groundwater - DHU)
Sauget Area 2 - Remedial Investigation Report (2008)

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SITE O								
GW-AA-O-1-86	7/9/2002	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
GW-AA-O-1-86	7/9/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
GW-AA-O-1-86	7/9/2002	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
GW-AA-O-1-86	7/9/2002	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
GW-AA-O-1-86	7/9/2002	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
GW-AA-O-1-86	7/9/2002	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
GW-AA-O-1-86	7/9/2002	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
GW-AA-O-1-86	7/9/2002	VOCs	2-Butanone (MEK)	ug/L	50		U	
GW-AA-O-1-86	7/9/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
GW-AA-O-1-86	7/9/2002	VOCs	Acetone	ug/L	120	6300	U	
GW-AA-O-1-86	7/9/2002	VOCs	Benzene	ug/L	5	5	U	
GW-AA-O-1-86	7/9/2002	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
GW-AA-O-1-86	7/9/2002	VOCs	Bromoform	ug/L	5	1	U	
GW-AA-O-1-86	7/9/2002	VOCs	Carbon Disulfide	ug/L	5	700	U	
GW-AA-O-1-86	7/9/2002	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
GW-AA-O-1-86	7/9/2002	VOCs	Chlorobenzene	ug/L	620	100		
GW-AA-O-1-86	7/9/2002	VOCs	Chlorodibromomethane	ug/L	5	140	U	
GW-AA-O-1-86	7/9/2002	VOCs	Chloroethane	ug/L	5		U	
GW-AA-O-1-86	7/9/2002	VOCs	Chloroform	ug/L	5	0.2	U	
GW-AA-O-1-86	7/9/2002	VOCs	Chloromethane	ug/L	5		U	
GW-AA-O-1-86	7/9/2002	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-1-86	7/9/2002	VOCs	Dichloromethane	ug/L	25	5	U	
GW-AA-O-1-86	7/9/2002	VOCs	Ethylbenzene	ug/L	5	700	U	
GW-AA-O-1-86	7/9/2002	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
GW-AA-O-1-86	7/9/2002	VOCs	Styrene (Monomer)	ug/L	5	100	U	
GW-AA-O-1-86	7/9/2002	VOCs	Tetrachloroethene	ug/L	5	5	U	
GW-AA-O-1-86	7/9/2002	VOCs	Toluene	ug/L	5	1000	U	
GW-AA-O-1-86	7/9/2002	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-1-86	7/9/2002	VOCs	Trichloroethene	ug/L	5	5	U	
GW-AA-O-1-86	7/9/2002	VOCs	Vinyl chloride	ug/L	3.8	2	J	
GW-AA-O-1-86	7/9/2002	VOCs	Xylenes, Total	ug/L	10	10000	U	
GW-AA-O-1-86	7/9/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-1-86	7/9/2002	SVOCs	1,2-Dichlorobenzene	ug/L	1.1	600	J	
GW-AA-O-1-86	7/9/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	1,4-Dichlorobenzene	ug/L	3.7	75	J	
GW-AA-O-1-86	7/9/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-1-86	7/9/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-1-86	7/9/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-1-86	7/9/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-1-86	7/9/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-1-86	7/9/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-1-86	7/9/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-1-86	7/9/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	2-Chlorophenol	ug/L	11	35		
GW-AA-O-1-86	7/9/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-1-86	7/9/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-1-86	7/9/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-1-86	7/9/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-1-86	7/9/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-1-86	7/9/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-86	7/9/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-1-86	7/9/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-1-86	7/9/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-1-86	7/9/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Naphthalene	ug/L	5.7	140	J	
GW-AA-O-1-86	7/9/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-1-86	7/9/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-1-86	7/9/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-1-86	7/9/2002	SVOCs	P-Chloroaniline	ug/L	1.1	28	J	
GW-AA-O-1-86	7/9/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-O-1-86	7/9/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-1-86	7/9/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-1-86	7/9/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-1-86	7/9/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-1-96	7/9/2002	VOCs	1,1,1-Trichloroethane	ug/L	20	200	U	
GW-AA-O-1-96	7/9/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	20		U	
GW-AA-O-1-96	7/9/2002	VOCs	1,1,2-Trichloroethane	ug/L	20	5	U	
GW-AA-O-1-96	7/9/2002	VOCs	1,1-Dichloroethane	ug/L	20	700	U	
GW-AA-O-1-96	7/9/2002	VOCs	1,1-Dichloroethylene	ug/L	20	7	U	
GW-AA-O-1-96	7/9/2002	VOCs	1,2-Dichloroethane	ug/L	20	5	U	
GW-AA-O-1-96	7/9/2002	VOCs	1,2-Dichloroethene (total)	ug/L	40		U	
GW-AA-O-1-96	7/9/2002	VOCs	1,2-Dichloropropane	ug/L	20	5	U	
GW-AA-O-1-96	7/9/2002	VOCs	2-Butanone (MEK)	ug/L	200		U	
GW-AA-O-1-96	7/9/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	200		U	
GW-AA-O-1-96	7/9/2002	VOCs	Acetone	ug/L	500	6300	U	
GW-AA-O-1-96	7/9/2002	VOCs	Benzene	ug/L	20	5	U	
GW-AA-O-1-96	7/9/2002	VOCs	Bromodichloromethane	ug/L	20	0.2	U	
GW-AA-O-1-96	7/9/2002	VOCs	Bromoform	ug/L	20	1	U	
GW-AA-O-1-96	7/9/2002	VOCs	Bromomethane	ug/L	20	9.8	U	
GW-AA-O-1-96	7/9/2002	VOCs	Carbon Disulfide	ug/L	20	700	U	
GW-AA-O-1-96	7/9/2002	VOCs	Carbon Tetrachloride	ug/L	20	5	U	
GW-AA-O-1-96	7/9/2002	VOCs	Chlorobenzene	ug/L	1500	100		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-96	7/9/2002	VOCs	Chlorodibromomethane	ug/L	20	140	U	
GW-AA-O-1-96	7/9/2002	VOCs	Chloroethane	ug/L	20		U	
GW-AA-O-1-96	7/9/2002	VOCs	Chloroform	ug/L	20	0.2	U	
GW-AA-O-1-96	7/9/2002	VOCs	Chloromethane	ug/L	20		U	
GW-AA-O-1-96	7/9/2002	VOCs	cis-1,3-Dichloropropene	ug/L	20		U	
GW-AA-O-1-96	7/9/2002	VOCs	Dichloromethane	ug/L	100	5		U
GW-AA-O-1-96	7/9/2002	VOCs	Ethylbenzene	ug/L	20	700	U	
GW-AA-O-1-96	7/9/2002	VOCs	Methyl N-Butyl Ketone	ug/L	200		U	
GW-AA-O-1-96	7/9/2002	VOCs	Styrene (Monomer)	ug/L	20	100	U	
GW-AA-O-1-96	7/9/2002	VOCs	Tetrachloroethene	ug/L	20	5	U	
GW-AA-O-1-96	7/9/2002	VOCs	Toluene	ug/L	20	1000	U	
GW-AA-O-1-96	7/9/2002	VOCs	trans-1,3-Dichloropropene	ug/L	20		U	
GW-AA-O-1-96	7/9/2002	VOCs	Trichloroethene	ug/L	20	5	U	
GW-AA-O-1-96	7/9/2002	VOCs	Vinyl chloride	ug/L	20	2	U	
GW-AA-O-1-96	7/9/2002	VOCs	Xylenes, Total	ug/L	40	10000	U	
GW-AA-O-1-96	7/9/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-1-96	7/9/2002	SVOCs	1,2-Dichlorobenzene	ug/L	3	600	J	
GW-AA-O-1-96	7/9/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	1,4-Dichlorobenzene	ug/L	51	75		
GW-AA-O-1-96	7/9/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-1-96	7/9/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-1-96	7/9/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-1-96	7/9/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-1-96	7/9/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-1-96	7/9/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-1-96	7/9/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-1-96	7/9/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	2-Chlorophenol	ug/L	18	35		
GW-AA-O-1-96	7/9/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-1-96	7/9/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-1-96	7/9/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-1-96	7/9/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-1-96	7/9/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-1-96	7/9/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-1-96	7/9/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-1-96	7/9/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-1-96	7/9/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-96	7/9/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-1-96	7/9/2002	SVOCs	Naphthalene	ug/L	8.7	140	J	
GW-AA-O-1-96	7/9/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-1-96	7/9/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-1-96	7/9/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-1-96	7/9/2002	SVOCs	P-Chloroaniline	ug/L	3.4	28	J	
GW-AA-O-1-96	7/9/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-1-96	7/9/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-1-96	7/9/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-1-96	7/9/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-1-96	7/9/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-O-1-96	7/9/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-1-96	7/9/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-1-96	7/9/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-1-96	7/9/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-O-1-96	7/9/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-O-1-96	7/9/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-1-96	7/9/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-1-96	7/9/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-1-96	7/9/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-1-96	7/9/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-O-1-96	7/9/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	
GW-AA-O-1-96	7/9/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	
GW-AA-O-1-96	7/9/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-O-1-96	7/9/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	
GW-AA-O-1-96	7/9/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	
GW-AA-O-1-96	7/9/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-O-1-96	7/9/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-O-1-96	7/9/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	
GW-AA-O-1-96	7/9/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	
GW-AA-O-1-96	7/9/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-O-1-96	7/9/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-O-1-96	7/9/2002	Pesticides	Endrin	ug/L	0.1	2	U	
GW-AA-O-1-96	7/9/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	
GW-AA-O-1-96	7/9/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-O-1-96	7/9/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-O-1-96	7/9/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-O-1-96	7/9/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	
GW-AA-O-1-96	7/9/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-O-1-96	7/9/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-O-1-96	7/9/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-O-1-96	7/9/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-O-1-96	7/9/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-O-1-96	7/9/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-O-1-96	7/9/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-O-1-96	7/9/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-O-1-96	7/9/2002	Herbicides	Dicamba	ug/L	1.2		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-96	7/9/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-O-1-96	7/9/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-O-1-96	7/9/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-O-1-96	7/9/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-O-1-96	7/9/2002	Metals	Aluminum	mg/l	23			
GW-AA-O-1-96	7/9/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-O-1-96	7/9/2002	Metals	Arsenic	mg/l	0.014	0.05		J
GW-AA-O-1-96	7/9/2002	Metals	Barium	mg/l	0.72	2		
GW-AA-O-1-96	7/9/2002	Metals	Beryllium	mg/l	0.00095	0.004	B	
GW-AA-O-1-96	7/9/2002	Metals	Cadmium	mg/l	0.00092	0.005	B	
GW-AA-O-1-96	7/9/2002	Metals	Calcium	mg/l	240			
GW-AA-O-1-96	7/9/2002	Metals	Chromium	mg/l	0.34	0.1		
GW-AA-O-1-96	7/9/2002	Metals	Cobalt	mg/l	0.015	1		
GW-AA-O-1-96	7/9/2002	Metals	Copper	mg/l	0.071	0.65		
GW-AA-O-1-96	7/9/2002	Metals	Iron	mg/l	78	5		
GW-AA-O-1-96	7/9/2002	Metals	Lead	mg/l	0.02	0.0075		
GW-AA-O-1-96	7/9/2002	Metals	Magnesium	mg/l	73			
GW-AA-O-1-96	7/9/2002	Metals	Manganese	mg/l	1.6	0.15		
GW-AA-O-1-96	7/9/2002	Metals	Mercury	mg/l	0.00008	2	B	
GW-AA-O-1-96	7/9/2002	Metals	Nickel	mg/l	0.07	0.1		
GW-AA-O-1-96	7/9/2002	Metals	Potassium	mg/l	28		N	J
GW-AA-O-1-96	7/9/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-O-1-96	7/9/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-O-1-96	7/9/2002	Metals	Sodium	mg/l	77			
GW-AA-O-1-96	7/9/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-O-1-96	7/9/2002	Metals	Vanadium	mg/l	0.04	0.049		
GW-AA-O-1-96	7/9/2002	Metals	Zinc	mg/l	0.11	5		
GW-AA-O-1-96	7/9/2002	Other	Alkalinity, Total (as CACO3)	mg/l	730			
GW-AA-O-1-96	7/9/2002	Other	Carbon Dioxide	mg/l	3.8			
GW-AA-O-1-96	7/9/2002	Other	Methane	ug/L	60			J
GW-AA-O-1-96	7/9/2002	Other	Nitrate-N	mg/l	0.05	10	U	UJ
GW-AA-O-1-96	7/9/2002	Other	Sulfate as SO4	mg/l	140	400		
GW-AA-O-1-106	7/10/2002	VOCs	1,1,1-Trichloroethane	ug/L	10	200	U	
GW-AA-O-1-106	7/10/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	VOCs	1,1,2-Trichloroethane	ug/L	10	5	U	
GW-AA-O-1-106	7/10/2002	VOCs	1,1-Dichloroethane	ug/L	10	700	U	
GW-AA-O-1-106	7/10/2002	VOCs	1,1-Dichloroethylene	ug/L	10	7	U	
GW-AA-O-1-106	7/10/2002	VOCs	1,2-Dichloroethane	ug/L	10	5	U	
GW-AA-O-1-106	7/10/2002	VOCs	1,2-Dichloroethene (total)	ug/L	20		U	
GW-AA-O-1-106	7/10/2002	VOCs	1,2-Dichloropropane	ug/L	10	5	U	
GW-AA-O-1-106	7/10/2002	VOCs	2-Butanone (MEK)	ug/L	100		U	
GW-AA-O-1-106	7/10/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	100		U	
GW-AA-O-1-106	7/10/2002	VOCs	Acetone	ug/L	250	6300	U	
GW-AA-O-1-106	7/10/2002	VOCs	Benzene	ug/L	9.6	5	J	
GW-AA-O-1-106	7/10/2002	VOCs	Bromodichloromethane	ug/L	10	0.2	U	
GW-AA-O-1-106	7/10/2002	VOCs	Bromoform	ug/L	10	1	U	
GW-AA-O-1-106	7/10/2002	VOCs	Bromomethane	ug/L	10	9.8	U	
GW-AA-O-1-106	7/10/2002	VOCs	Carbon Disulfide	ug/L	10	700	U	
GW-AA-O-1-106	7/10/2002	VOCs	Carbon Tetrachloride	ug/L	10	5	U	
GW-AA-O-1-106	7/10/2002	VOCs	Chlorobenzene	ug/L	1300	100		
GW-AA-O-1-106	7/10/2002	VOCs	Chlorodibromomethane	ug/L	10	140	U	
GW-AA-O-1-106	7/10/2002	VOCs	Chloroethane	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	VOCs	Chloroform	ug/L	10	0.2	U	
GW-AA-O-1-106	7/10/2002	VOCs	Chloromethane	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	VOCs	cis-1,3-Dichloropropene	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	VOCs	Dichloromethane	ug/L	50	5	U	
GW-AA-O-1-106	7/10/2002	VOCs	Ethylbenzene	ug/L	10	700	U	
GW-AA-O-1-106	7/10/2002	VOCs	Methyl N-Butyl Ketone	ug/L	100		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-106	7/10/2002	VOCs	Styrene (Monomer)	ug/L	10	100	U	
GW-AA-O-1-106	7/10/2002	VOCs	Tetrachloroethene	ug/L	10	5	U	
GW-AA-O-1-106	7/10/2002	VOCs	Toluene	ug/L	10	1000	U	
GW-AA-O-1-106	7/10/2002	VOCs	trans-1,3-Dichloropropene	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	VOCs	Trichloroethene	ug/L	10	5	U	
GW-AA-O-1-106	7/10/2002	VOCs	Vinyl chloride	ug/L	10	2	U	
GW-AA-O-1-106	7/10/2002	VOCs	Xylenes, Total	ug/L	20	10000	U	
GW-AA-O-1-106	7/10/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-1-106	7/10/2002	SVOCs	1,2-Dichlorobenzene	ug/L	2.7	600	J	
GW-AA-O-1-106	7/10/2002	SVOCs	1,3-Dichlorobenzene	ug/L	1.5		J	J
GW-AA-O-1-106	7/10/2002	SVOCs	1,4-Dichlorobenzene	ug/L	80	75		
GW-AA-O-1-106	7/10/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-1-106	7/10/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-1-106	7/10/2002	SVOCs	2,4-Dichlorophenol	ug/L	3.4	21	J	
GW-AA-O-1-106	7/10/2002	SVOCs	2,4-Dimethylphenol	ug/L	1.4	140	J	
GW-AA-O-1-106	7/10/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-O-1-106	7/10/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-1-106	7/10/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-1-106	7/10/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	2-Chlorophenol	ug/L	19	35		
GW-AA-O-1-106	7/10/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-1-106	7/10/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-1-106	7/10/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-1-106	7/10/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-1-106	7/10/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-1-106	7/10/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-1-106	7/10/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-1-106	7/10/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-1-106	7/10/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-106	7/10/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Naphthalene	ug/L	10	140		
GW-AA-O-1-106	7/10/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-1-106	7/10/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-1-106	7/10/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-1-106	7/10/2002	SVOCs	P-Chloroaniline	ug/L	4.1	28	J	
GW-AA-O-1-106	7/10/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-O-1-106	7/10/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-1-106	7/10/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-1-106	7/10/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-1-106	7/10/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-1-116	7/10/2002	VOCs	1,1,1-Trichloroethane	ug/L	10	200	U	
GW-AA-O-1-116	7/10/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	VOCs	1,1,2-Trichloroethane	ug/L	10	5	U	
GW-AA-O-1-116	7/10/2002	VOCs	1,1-Dichloroethane	ug/L	10	700	U	
GW-AA-O-1-116	7/10/2002	VOCs	1,1-Dichloroethylene	ug/L	10	7	U	
GW-AA-O-1-116	7/10/2002	VOCs	1,2-Dichloroethane	ug/L	10	5	U	
GW-AA-O-1-116	7/10/2002	VOCs	1,2-Dichloroethene (total)	ug/L	20		U	
GW-AA-O-1-116	7/10/2002	VOCs	1,2-Dichloropropane	ug/L	10	5	U	
GW-AA-O-1-116	7/10/2002	VOCs	2-Butanone (MEK)	ug/L	100		U	
GW-AA-O-1-116	7/10/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	100		U	
GW-AA-O-1-116	7/10/2002	VOCs	Acetone	ug/L	250	6300	U	
GW-AA-O-1-116	7/10/2002	VOCs	Benzene	ug/L	10	5	U	
GW-AA-O-1-116	7/10/2002	VOCs	Bromodichloromethane	ug/L	10	0.2	U	
GW-AA-O-1-116	7/10/2002	VOCs	Bromoform	ug/L	10	1	U	
GW-AA-O-1-116	7/10/2002	VOCs	Bromomethane	ug/L	10	9.8	U	
GW-AA-O-1-116	7/10/2002	VOCs	Carbon Disulfide	ug/L	10	700	U	
GW-AA-O-1-116	7/10/2002	VOCs	Carbon Tetrachloride	ug/L	10	5	U	
GW-AA-O-1-116	7/10/2002	VOCs	Chlorobenzene	ug/L	900	100		
GW-AA-O-1-116	7/10/2002	VOCs	Chlorodibromomethane	ug/L	10	140	U	
GW-AA-O-1-116	7/10/2002	VOCs	Chloroethane	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	VOCs	Chloroform	ug/L	10	0.2	U	
GW-AA-O-1-116	7/10/2002	VOCs	Chloromethane	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	VOCs	cis-1,3-Dichloropropene	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	VOCs	Dichloromethane	ug/L	50	5	U	
GW-AA-O-1-116	7/10/2002	VOCs	Ethylbenzene	ug/L	10	700	U	
GW-AA-O-1-116	7/10/2002	VOCs	Methyl N-Butyl Ketone	ug/L	100		U	
GW-AA-O-1-116	7/10/2002	VOCs	Styrene (Monomer)	ug/L	10	100	U	
GW-AA-O-1-116	7/10/2002	VOCs	Tetrachloroethene	ug/L	10	5	U	
GW-AA-O-1-116	7/10/2002	VOCs	Toluene	ug/L	10	1000	U	
GW-AA-O-1-116	7/10/2002	VOCs	trans-1,3-Dichloropropene	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	VOCs	Trichloroethene	ug/L	10	5	U	
GW-AA-O-1-116	7/10/2002	VOCs	Vinyl chloride	ug/L	10	2	U	
GW-AA-O-1-116	7/10/2002	VOCs	Xylenes, Total	ug/L	20	10000	U	
GW-AA-O-1-116	7/10/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-1-116	7/10/2002	SVOCs	1,2-Dichlorobenzene	ug/L	2.3	600	J	
GW-AA-O-1-116	7/10/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	1,4-Dichlorobenzene	ug/L	66	75		
GW-AA-O-1-116	7/10/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-1-116	7/10/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-1-116	7/10/2002	SVOCs	2,4-Dichlorophenol	ug/L	3.5	21	J	
GW-AA-O-1-116	7/10/2002	SVOCs	2,4-Dimethylphenol	ug/L	2.1	140	J	
GW-AA-O-1-116	7/10/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-O-1-116	7/10/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-116	7/10/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-1-116	7/10/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	2-Chlorophenol	ug/L	17	35		
GW-AA-O-1-116	7/10/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-1-116	7/10/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-1-116	7/10/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-1-116	7/10/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-1-116	7/10/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-1-116	7/10/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-1-116	7/10/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-1-116	7/10/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-1-116	7/10/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Naphthalene	ug/L	8	140	J	
GW-AA-O-1-116	7/10/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-1-116	7/10/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-1-116	7/10/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-1-116	7/10/2002	SVOCs	P-Chloroaniline	ug/L	2.8	28	J	
GW-AA-O-1-116	7/10/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-O-1-116	7/10/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-1-116	7/10/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-1-116	7/10/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-1-116	7/10/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-1-120	7/10/2002	VOCs	1,1,1-Trichloroethane	ug/L	2.5	200	U	
GW-AA-O-1-120	7/10/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	2.5		U	
GW-AA-O-1-120	7/10/2002	VOCs	1,1,2-Trichloroethane	ug/L	2.5	5	U	
GW-AA-O-1-120	7/10/2002	VOCs	1,1-Dichloroethane	ug/L	2.5	700	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-120	7/10/2002	VOCs	1,1-Dichloroethylene	ug/L	1.1	7	J	
GW-AA-O-1-120	7/10/2002	VOCs	1,2-Dichloroethane	ug/L	2.5	5	U	
GW-AA-O-1-120	7/10/2002	VOCs	1,2-Dichloroethene (total)	ug/L	5		U	
GW-AA-O-1-120	7/10/2002	VOCs	1,2-Dichloropropane	ug/L	2.5	5	U	
GW-AA-O-1-120	7/10/2002	VOCs	2-Butanone (MEK)	ug/L	25		U	
GW-AA-O-1-120	7/10/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	25		U	
GW-AA-O-1-120	7/10/2002	VOCs	Acetone	ug/L	62	6300	U	
GW-AA-O-1-120	7/10/2002	VOCs	Benzene	ug/L	2.5	5	U	
GW-AA-O-1-120	7/10/2002	VOCs	Bromodichloromethane	ug/L	2.5	0.2	U	
GW-AA-O-1-120	7/10/2002	VOCs	Bromoform	ug/L	2.5	1	U	
GW-AA-O-1-120	7/10/2002	VOCs	Bromomethane	ug/L	2.5	9.8	U	
GW-AA-O-1-120	7/10/2002	VOCs	Carbon Disulfide	ug/L	2.5	700	U	
GW-AA-O-1-120	7/10/2002	VOCs	Carbon Tetrachloride	ug/L	2.5	5	U	
GW-AA-O-1-120	7/10/2002	VOCs	Chlorobenzene	ug/L	400	100		
GW-AA-O-1-120	7/10/2002	VOCs	Chlorodibromomethane	ug/L	2.5	140	U	
GW-AA-O-1-120	7/10/2002	VOCs	Chloroethane	ug/L	2.5		U	
GW-AA-O-1-120	7/10/2002	VOCs	Chloroform	ug/L	2.5	0.2	U	
GW-AA-O-1-120	7/10/2002	VOCs	Chloromethane	ug/L	2.5		U	
GW-AA-O-1-120	7/10/2002	VOCs	cis-1,3-Dichloropropene	ug/L	2.5		U	
GW-AA-O-1-120	7/10/2002	VOCs	Dichloromethane	ug/L	12	5	U	
GW-AA-O-1-120	7/10/2002	VOCs	Ethylbenzene	ug/L	2.5	700	U	
GW-AA-O-1-120	7/10/2002	VOCs	Methyl N-Butyl Ketone	ug/L	25		U	
GW-AA-O-1-120	7/10/2002	VOCs	Styrene (Monomer)	ug/L	2.5	100	U	
GW-AA-O-1-120	7/10/2002	VOCs	Tetrachloroethene	ug/L	2.5	5	U	
GW-AA-O-1-120	7/10/2002	VOCs	Toluene	ug/L	1	1000	J	
GW-AA-O-1-120	7/10/2002	VOCs	trans-1,3-Dichloropropene	ug/L	2.5		U	
GW-AA-O-1-120	7/10/2002	VOCs	Trichloroethene	ug/L	2.5	5	J	U
GW-AA-O-1-120	7/10/2002	VOCs	Vinyl chloride	ug/L	2.2	2	J	
GW-AA-O-1-120	7/10/2002	VOCs	Xylenes, Total	ug/L	5	10000	U	
GW-AA-O-1-120	7/10/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-1-120	7/10/2002	SVOCs	1,2-Dichlorobenzene	ug/L	1.2	600	J	
GW-AA-O-1-120	7/10/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	1,4-Dichlorobenzene	ug/L	21	75		
GW-AA-O-1-120	7/10/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-1-120	7/10/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-1-120	7/10/2002	SVOCs	2,4-Dichlorophenol	ug/L	1.2	21	J	
GW-AA-O-1-120	7/10/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-1-120	7/10/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-1-120	7/10/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-1-120	7/10/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-1-120	7/10/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	2-Chlorophenol	ug/L	6.5	35	J	
GW-AA-O-1-120	7/10/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-1-120	7/10/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-1-120	7/10/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-1-120	7/10/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-1-120	7/10/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-1-120	7/10/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-1-120	7/10/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	Anthracene	ug/L	10	2100	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-120	7/10/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-1-120	7/10/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-1-120	7/10/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Naphthalene	ug/L	3	140	J	
GW-AA-O-1-120	7/10/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-1-120	7/10/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-1-120	7/10/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-1-120	7/10/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-O-1-120	7/10/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-1-120	7/10/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-1-120	7/10/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-1-120	7/10/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-1-120	7/10/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-O-1-120	7/10/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-1-120	7/10/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-1-120	7/10/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-1-120	7/10/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-O-1-120	7/10/2002	PCBs	Nonachlorobiphenyl	ug/L	0.09		J	
GW-AA-O-1-120	7/10/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-1-120	7/10/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-1-120	7/10/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-1-120	7/10/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-1-120	7/10/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	alpha-BHC	ug/L	0.065	0.11	P	J
GW-AA-O-1-120	7/10/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-120	7/10/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-O-1-120	7/10/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-O-1-120	7/10/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-O-1-120	7/10/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-O-1-120	7/10/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-O-1-120	7/10/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-O-1-120	7/10/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-O-1-120	7/10/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-O-1-120	7/10/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-O-1-120	7/10/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-O-1-120	7/10/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-O-1-120	7/10/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.000002		U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000013		U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000013		U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.00000087		U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000013		U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.00000097		U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.00000096		U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000009		U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000015		U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.00000099		U	
GW-AA-O-1-120	7/10/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.00000065		U	
GW-AA-O-1-120	7/10/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.00000094		U	
GW-AA-O-1-120	7/10/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.00000074		U	
GW-AA-O-1-120	7/10/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.0000006		U	
GW-AA-O-1-120	7/10/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.00000038		U	
GW-AA-O-1-120	7/10/2002	Dioxins	OCDD	ug/L	0.0000094		U	
GW-AA-O-1-120	7/10/2002	Dioxins	OCDF	ug/L	0.0000037		U	
GW-AA-O-1-120	7/10/2002	Dioxins	Total HpCDD	ug/L	0.000002		U	
GW-AA-O-1-120	7/10/2002	Dioxins	Total HpCDF	ug/L	0.0000013		U	
GW-AA-O-1-120	7/10/2002	Dioxins	Total HxCDD	ug/L	0.000001		U	
GW-AA-O-1-120	7/10/2002	Dioxins	Total HxCDF	ug/L	0.0000015		U	
GW-AA-O-1-120	7/10/2002	Dioxins	Total PeCDD	ug/L	0.0000011		U	
GW-AA-O-1-120	7/10/2002	Dioxins	Total PeCDF	ug/L	0.00000074		U	
GW-AA-O-1-120	7/10/2002	Dioxins	Total TCDD	ug/L	0.0000006		U	
GW-AA-O-1-120	7/10/2002	Dioxins	Total TCDF	ug/L	0.00000038		U	
GW-AA-O-1-120	7/10/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-O-1-120	7/10/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-O-1-120	7/10/2002	Metals	Arsenic	mg/l	0.01	0.05	U	UJ
GW-AA-O-1-120	7/10/2002	Metals	Barium	mg/l	0.12	2		
GW-AA-O-1-120	7/10/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-O-1-120	7/10/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-O-1-120	7/10/2002	Metals	Calcium	mg/l	310			
GW-AA-O-1-120	7/10/2002	Metals	Chromium	mg/l	0.0061	0.1	B	
GW-AA-O-1-120	7/10/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-O-1-120	7/10/2002	Metals	Copper	mg/l	0.02	0.65	U	U
GW-AA-O-1-120	7/10/2002	Metals	Iron	mg/l	48	5		
GW-AA-O-1-120	7/10/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-O-1-120	7/10/2002	Metals	Magnesium	mg/l	79			
GW-AA-O-1-120	7/10/2002	Metals	Manganese	mg/l	2.2	0.15		
GW-AA-O-1-120	7/10/2002	Metals	Mercury	mg/l	0.0002	2	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-1-120	7/10/2002	Metals	Nickel	mg/l	0.0073	0.1	B	
GW-AA-O-1-120	7/10/2002	Metals	Potassium	mg/l	18			
GW-AA-O-1-120	7/10/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-O-1-120	7/10/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-O-1-120	7/10/2002	Metals	Sodium	mg/l	63			
GW-AA-O-1-120	7/10/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-O-1-120	7/10/2002	Metals	Vanadium	mg/l	0.01	0.049	U	
GW-AA-O-1-120	7/10/2002	Metals	Zinc	mg/l	0.019	5	B	
GW-AA-O-1-120	7/10/2002	Other	Alkalinity, Total (as CACO3)	mg/l	470			
GW-AA-O-1-120	7/10/2002	Other	Carbon Dioxide	mg/l	45			
GW-AA-O-1-120	7/10/2002	Other	Methane	ug/L	17			J
GW-AA-O-1-120	7/10/2002	Other	Nitrate-N	mg/l	0.05	10	U	UJ
GW-AA-O-1-120	7/10/2002	Other	Sulfate as SO4	mg/l	510	400		
GW-AA-O-2-83FT	6/24/2002	VOCs	1,1,1-Trichloroethane	ug/L	2	200	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	2		U	
GW-AA-O-2-83FT	6/24/2002	VOCs	1,1,2-Trichloroethane	ug/L	2	5	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	1,1-Dichloroethane	ug/L	2	700	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	1,1-Dichloroethylene	ug/L	2	7	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	1,2-Dichloroethane	ug/L	2	5	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	1,2-Dichloroethene (total)	ug/L	1		J	
GW-AA-O-2-83FT	6/24/2002	VOCs	1,2-Dichloropropane	ug/L	2	5	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	2-Butanone (MEK)	ug/L	20		U	
GW-AA-O-2-83FT	6/24/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	20		U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Acetone	ug/L	50	6300	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Benzene	ug/L	2	5	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Bromodichloromethane	ug/L	2	0.2	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Bromoform	ug/L	2	1	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Bromomethane	ug/L	2	9.8	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Carbon Disulfide	ug/L	2	700	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Carbon Tetrachloride	ug/L	2	5	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Chlorobenzene	ug/L	380	100		
GW-AA-O-2-83FT	6/24/2002	VOCs	Chlorodibromomethane	ug/L	2	140	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Chloroethane	ug/L	2		U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Chloroform	ug/L	2	0.2	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Chloromethane	ug/L	2		U	
GW-AA-O-2-83FT	6/24/2002	VOCs	cis-1,3-Dichloropropene	ug/L	2		U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Dichloromethane	ug/L	10	5	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Ethylbenzene	ug/L	2	700	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Methyl N-Butyl Ketone	ug/L	20		U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Styrene (Monomer)	ug/L	2	100	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Tetrachloroethene	ug/L	2	5	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Toluene	ug/L	2	1000	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	trans-1,3-Dichloropropene	ug/L	2		U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Trichloroethene	ug/L	2	5	U	
GW-AA-O-2-83FT	6/24/2002	VOCs	Vinyl chloride	ug/L	4.9	2		
GW-AA-O-2-83FT	6/24/2002	VOCs	Xylenes, Total	ug/L	4	10000	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	1,2-Dichlorobenzene	ug/L	1.8	600	J	
GW-AA-O-2-83FT	6/24/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	1,4-Dichlorobenzene	ug/L	2.3	75	J	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-83FT	6/24/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2-Chlorophenol	ug/L	7.6	35	J	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Naphthalene	ug/L	4.6	140	J	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	P-Chloroaniline	ug/L	1.3	28	J	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-2-83FT	6/24/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
GW-AA-O-2-93FT	6/24/2002	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-93FT	6/24/2002	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	2-Butanone (MEK)	ug/L	50		U	
GW-AA-O-2-93FT	6/24/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Acetone	ug/L	120	6300	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Benzene	ug/L	2.4	5	J	
GW-AA-O-2-93FT	6/24/2002	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Bromoform	ug/L	5	1	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Bromomethane	ug/L	5	9.8	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Carbon Disulfide	ug/L	5	700	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Chlorobenzene	ug/L	850	100		
GW-AA-O-2-93FT	6/24/2002	VOCs	Chlorodibromomethane	ug/L	5	140	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Chloroethane	ug/L	5		U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Chloroform	ug/L	5	0.2	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Chloromethane	ug/L	5		U	
GW-AA-O-2-93FT	6/24/2002	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Dichloromethane	ug/L	25	5	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Ethylbenzene	ug/L	5	700	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Styrene (Monomer)	ug/L	5	100	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Tetrachloroethene	ug/L	5	5	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Toluene	ug/L	5	1000	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Trichloroethene	ug/L	5	5	U	
GW-AA-O-2-93FT	6/24/2002	VOCs	Vinyl chloride	ug/L	3.5	2	J	
GW-AA-O-2-93FT	6/24/2002	VOCs	Xylenes, Total	ug/L	10	10000	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	1,2-Dichlorobenzene	ug/L	1.9	600	J	
GW-AA-O-2-93FT	6/24/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	1,4-Dichlorobenzene	ug/L	9.2	75	J	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2-Chlorophenol	ug/L	12	35		
GW-AA-O-2-93FT	6/24/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-93FT	6/24/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Naphthalene	ug/L	8	140	J	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	P-Chloroaniline	ug/L	1.4	28	J	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-2-93FT	6/24/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-2-93FT	6/24/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-O-2-93FT	6/24/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-2-93FT	6/24/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-2-93FT	6/24/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-2-93FT	6/24/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-O-2-93FT	6/24/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-O-2-93FT	6/24/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-2-93FT	6/24/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-2-93FT	6/24/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-2-93FT	6/24/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-2-93FT	6/24/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-93FT	6/24/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.0094	0.2	JP	J
GW-AA-O-2-93FT	6/24/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-O-2-93FT	6/24/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-O-2-93FT	6/24/2002	Herbicides	2,4,5-T	ug/L	0.24		J	
GW-AA-O-2-93FT	6/24/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-O-2-93FT	6/24/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-O-2-93FT	6/24/2002	Herbicides	2,4-DB	ug/L	0.26		JP	J
GW-AA-O-2-93FT	6/24/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-O-2-93FT	6/24/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-O-2-93FT	6/24/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-O-2-93FT	6/24/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-O-2-93FT	6/24/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-O-2-93FT	6/24/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Aluminum	mg/l	0.37			
GW-AA-O-2-93FT	6/24/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Barium	mg/l	0.21	2		
GW-AA-O-2-93FT	6/24/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Calcium	mg/l	240			
GW-AA-O-2-93FT	6/24/2002	Metals	Chromium	mg/l	0.004	0.1	B	
GW-AA-O-2-93FT	6/24/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Copper	mg/l	0.02	0.65		U
GW-AA-O-2-93FT	6/24/2002	Metals	Iron	mg/l	26	5		
GW-AA-O-2-93FT	6/24/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Magnesium	mg/l	60			
GW-AA-O-2-93FT	6/24/2002	Metals	Manganese	mg/l	1.6	0.15		
GW-AA-O-2-93FT	6/24/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Nickel	mg/l	0.0065	0.1	B	
GW-AA-O-2-93FT	6/24/2002	Metals	Potassium	mg/l	45		E	
GW-AA-O-2-93FT	6/24/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Sodium	mg/l	76			
GW-AA-O-2-93FT	6/24/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-O-2-93FT	6/24/2002	Metals	Vanadium	mg/l	0.0019	0.049	B	
GW-AA-O-2-93FT	6/24/2002	Metals	Zinc	mg/l	0.018	5	B	
GW-AA-O-2-93FT	6/24/2002	Other	Alkalinity, Total (as CACO3)	mg/l	620			
GW-AA-O-2-93FT	6/24/2002	Other	Carbon Dioxide	mg/l	190			
GW-AA-O-2-93FT	6/24/2002	Other	Methane	ug/L	45			J
GW-AA-O-2-93FT	6/24/2002	Other	Nitrate-N	mg/l	0.05	10	U	
GW-AA-O-2-93FT	6/24/2002	Other	Sulfate as SO4	mg/l	200	400		
GW-AA-O-2-103FT	6/25/2002	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
GW-AA-O-2-103FT	6/25/2002	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	2-Butanone (MEK)	ug/L	50		U	
GW-AA-O-2-103FT	6/25/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Acetone	ug/L	120	6300	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Benzene	ug/L	5	5	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Bromoform	ug/L	5	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-103FT	6/25/2002	VOCs	Bromomethane	ug/L	5	9.8	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Carbon Disulfide	ug/L	5	700	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Chlorobenzene	ug/L	460	100		
GW-AA-O-2-103FT	6/25/2002	VOCs	Chlorodibromomethane	ug/L	5	140	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Chloroethane	ug/L	5		U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Chloroform	ug/L	5	0.2	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Chloromethane	ug/L	5		U	
GW-AA-O-2-103FT	6/25/2002	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Dichloromethane	ug/L	25	5	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Ethylbenzene	ug/L	5	700	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Styrene (Monomer)	ug/L	5	100	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Tetrachloroethene	ug/L	5	5	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Toluene	ug/L	5	1000	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Trichloroethene	ug/L	5	5	U	
GW-AA-O-2-103FT	6/25/2002	VOCs	Vinyl chloride	ug/L	2.9	2	J	
GW-AA-O-2-103FT	6/25/2002	VOCs	Xylenes, Total	ug/L	10	10000	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	1,2-Dichlorobenzene	ug/L	1.2	600	J	
GW-AA-O-2-103FT	6/25/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	1,4-Dichlorobenzene	ug/L	8.1	75	J	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2-Chlorophenol	ug/L	7.5	35	J	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Carbazole	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-103FT	6/25/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-2-103FT	6/25/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	1,1,1-Trichloroethane	ug/L	10	200	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	VOCs	1,1,2-Trichloroethane	ug/L	10	5	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	1,1-Dichloroethane	ug/L	10	700	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	1,1-Dichloroethylene	ug/L	10	7	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	1,2-Dichloroethane	ug/L	10	5	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	1,2-Dichloroethene (total)	ug/L	20		U	
GW-AA-O-2-113FT	6/25/2002	VOCs	1,2-Dichloropropane	ug/L	10	5	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	2-Butanone (MEK)	ug/L	100		U	
GW-AA-O-2-113FT	6/25/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	100		U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Acetone	ug/L	250	6300	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Benzene	ug/L	4.5	5	J	
GW-AA-O-2-113FT	6/25/2002	VOCs	Bromodichloromethane	ug/L	10	0.2	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Bromoform	ug/L	10	1	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Bromomethane	ug/L	10	9.8	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Carbon Disulfide	ug/L	10	700	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Carbon Tetrachloride	ug/L	10	5	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Chlorobenzene	ug/L	1000	100		
GW-AA-O-2-113FT	6/25/2002	VOCs	Chlorodibromomethane	ug/L	10	140	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Chloroethane	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Chloroform	ug/L	10	0.2	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Chloromethane	ug/L	3.8		J	
GW-AA-O-2-113FT	6/25/2002	VOCs	cis-1,3-Dichloropropene	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Dichloromethane	ug/L	50	5	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Ethylbenzene	ug/L	10	700	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Methyl N-Butyl Ketone	ug/L	100		U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Styrene (Monomer)	ug/L	10	100	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Tetrachloroethene	ug/L	10	5	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Toluene	ug/L	10	1000	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	trans-1,3-Dichloropropene	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Trichloroethene	ug/L	10	5	U	
GW-AA-O-2-113FT	6/25/2002	VOCs	Vinyl chloride	ug/L	10	2	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-113FT	6/25/2002	VOCs	Xylenes, Total	ug/L	20	10000	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	1,2-Dichlorobenzene	ug/L	2.9	600	J	
GW-AA-O-2-113FT	6/25/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	1,4-Dichlorobenzene	ug/L	51	75		
GW-AA-O-2-113FT	6/25/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2,4-Dichlorophenol	ug/L	1.7	21	J	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2-Chlorophenol	ug/L	14	35		
GW-AA-O-2-113FT	6/25/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-113FT	6/25/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	P-Chloroaniline	ug/L	1.4	28	J	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-2-113FT	6/25/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
GW-AA-O-2-121FT	6/25/2002	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	2-Butanone (MEK)	ug/L	50		U	
GW-AA-O-2-121FT	6/25/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Acetone	ug/L	120	6300	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Benzene	ug/L	5	5	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Bromoform	ug/L	5	1	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Bromomethane	ug/L	5	9.8	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Carbon Disulfide	ug/L	1.8	700	J	
GW-AA-O-2-121FT	6/25/2002	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Chlorobenzene	ug/L	560	100		
GW-AA-O-2-121FT	6/25/2002	VOCs	Chlorodibromomethane	ug/L	5	140	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Chloroethane	ug/L	5		U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Chloroform	ug/L	5	0.2	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Chloromethane	ug/L	5		U	
GW-AA-O-2-121FT	6/25/2002	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Dichloromethane	ug/L	25	5	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Ethylbenzene	ug/L	5	700	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Styrene (Monomer)	ug/L	5	100	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Tetrachloroethene	ug/L	5	5	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Toluene	ug/L	5	1000	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Trichloroethene	ug/L	5	5	U	
GW-AA-O-2-121FT	6/25/2002	VOCs	Vinyl chloride	ug/L	3.5	2	J	
GW-AA-O-2-121FT	6/25/2002	VOCs	Xylenes, Total	ug/L	10	10000	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	1,2-Dichlorobenzene	ug/L	1.5	600	J	
GW-AA-O-2-121FT	6/25/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	1,4-Dichlorobenzene	ug/L	8.2	75	J	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2-Chlorophenol	ug/L	8.1	35	J	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	2-Nitroaniline	ug/L	50		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-121FT	6/25/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-2-121FT	6/25/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-2-124	7/8/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-O-2-124	7/8/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-O-2-124	7/8/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-O-2-124	7/8/2002	VOCs	1,1-Dichloroethane	ug/L	0.64	700	J	
GW-AA-O-2-124	7/8/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-O-2-124	7/8/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-O-2-124	7/8/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-O-2-124	7/8/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-O-2-124	7/8/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-O-2-124	7/8/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-124	7/8/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-O-2-124	7/8/2002	VOCs	Benzene	ug/L	0.33	5	J	
GW-AA-O-2-124	7/8/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-O-2-124	7/8/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-O-2-124	7/8/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-O-2-124	7/8/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-O-2-124	7/8/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-O-2-124	7/8/2002	VOCs	Chlorobenzene	ug/L	70	100		
GW-AA-O-2-124	7/8/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-O-2-124	7/8/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-O-2-124	7/8/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-O-2-124	7/8/2002	VOCs	Chloromethane	ug/L	0.63		J	J
GW-AA-O-2-124	7/8/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-O-2-124	7/8/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-O-2-124	7/8/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-O-2-124	7/8/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-O-2-124	7/8/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-O-2-124	7/8/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-O-2-124	7/8/2002	VOCs	Toluene	ug/L	0.58	1000	J	
GW-AA-O-2-124	7/8/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-O-2-124	7/8/2002	VOCs	Trichloroethene	ug/L	1.5	5		
GW-AA-O-2-124	7/8/2002	VOCs	Vinyl chloride	ug/L	1.9	2		
GW-AA-O-2-124	7/8/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-O-2-124	7/8/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-2-124	7/8/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-2-124	7/8/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-2-124	7/8/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-2-124	7/8/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-O-2-124	7/8/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-2-124	7/8/2002	SVOCs	2-Nitroaniline	ug/L	50		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-2-124	7/8/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-2-124	7/8/2002	SVOCs	3-Nitroaniline	ug/L	50		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-2-124	7/8/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-2-124	7/8/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-2-124	7/8/2002	SVOCs	Acenaphthene	ug/L	10	420	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Acenaphthylene	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Anthracene	ug/L	10	2100	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-124	7/8/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Carbazole	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Chrysene	ug/L	10	1.5	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Dibenzofuran	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-2-124	7/8/2002	SVOCs	Fluoranthene	ug/L	10	280	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Fluorene	ug/L	10	280	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Isophorone	ug/L	10	1400	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Naphthalene	ug/L	10	140	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Phenanthrene	ug/L	10		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-2-124	7/8/2002	SVOCs	P-Nitroaniline	ug/L	50		U	UJ
GW-AA-O-2-124	7/8/2002	SVOCs	Pyrene	ug/L	10	210	U	UJ
GW-AA-O-2-124	7/8/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-O-2-124	7/8/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-2-124	7/8/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-2-124	7/8/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-2-124	7/8/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-O-2-124	7/8/2002	PCBs	Nonachlorobiphenyl	ug/L	0.08		J	
GW-AA-O-2-124	7/8/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-2-124	7/8/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-2-124	7/8/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-2-124	7/8/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-2-124	7/8/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	alpha-BHC	ug/L	0.042	0.11	JP	J
GW-AA-O-2-124	7/8/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-2-124	7/8/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-O-2-124	7/8/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-O-2-124	7/8/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-O-2-124	7/8/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.23	50	JP	J
GW-AA-O-2-124	7/8/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-O-2-124	7/8/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-O-2-124	7/8/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-O-2-124	7/8/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-O-2-124	7/8/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-O-2-124	7/8/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-O-2-124	7/8/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-O-2-124	7/8/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-O-2-124	7/8/2002	Metals	Aluminum	mg/l	47			
GW-AA-O-2-124	7/8/2002	Metals	Antimony	mg/l	0.0055	0.006	B	
GW-AA-O-2-124	7/8/2002	Metals	Arsenic	mg/l	0.087	0.05		
GW-AA-O-2-124	7/8/2002	Metals	Barium	mg/l	1.8	2		
GW-AA-O-2-124	7/8/2002	Metals	Beryllium	mg/l	0.0025	0.004	B	
GW-AA-O-2-124	7/8/2002	Metals	Cadmium	mg/l	0.0028	0.005	B	
GW-AA-O-2-124	7/8/2002	Metals	Calcium	mg/l	340			
GW-AA-O-2-124	7/8/2002	Metals	Chromium	mg/l	0.53	0.1		
GW-AA-O-2-124	7/8/2002	Metals	Cobalt	mg/l	0.052	1		
GW-AA-O-2-124	7/8/2002	Metals	Copper	mg/l	0.13	0.65		
GW-AA-O-2-124	7/8/2002	Metals	Iron	mg/l	200	5		
GW-AA-O-2-124	7/8/2002	Metals	Lead	mg/l	0.063	0.0075		
GW-AA-O-2-124	7/8/2002	Metals	Magnesium	mg/l	82			
GW-AA-O-2-124	7/8/2002	Metals	Manganese	mg/l	6.7	0.15		
GW-AA-O-2-124	7/8/2002	Metals	Mercury	mg/l	0.000098	2	B	
GW-AA-O-2-124	7/8/2002	Metals	Nickel	mg/l	0.19	0.1		
GW-AA-O-2-124	7/8/2002	Metals	Potassium	mg/l	30		N	J
GW-AA-O-2-124	7/8/2002	Metals	Selenium	mg/l	0.01	0.05	U	U
GW-AA-O-2-124	7/8/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-O-2-124	7/8/2002	Metals	Sodium	mg/l	83			
GW-AA-O-2-124	7/8/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-O-2-124	7/8/2002	Metals	Vanadium	mg/l	0.14	0.049		
GW-AA-O-2-124	7/8/2002	Metals	Zinc	mg/l	0.35	5		
GW-AA-O-2-124	7/8/2002	Other	Alkalinity, Total (as CACO3)	mg/l	630			
GW-AA-O-2-124	7/8/2002	Other	Carbon Dioxide	mg/l	120			
GW-AA-O-2-124	7/8/2002	Other	Methane	ug/L	50			J
GW-AA-O-2-124	7/8/2002	Other	Nitrate-N	mg/l	0.05	10	U	UJ
GW-AA-O-2-124	7/8/2002	Other	Sulfate as SO4	mg/l	390	400		
GW-AA-O-3-88FT	6/26/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-O-3-88FT	6/26/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	1,2-Dichloroethene (total)	ug/L	0.72		J	
GW-AA-O-3-88FT	6/26/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Chlorobenzene	ug/L	100	100		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-88FT	6/26/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-O-3-88FT	6/26/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-O-3-88FT	6/26/2002	VOCs	Vinyl chloride	ug/L	3.8	2		
GW-AA-O-3-88FT	6/26/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	1,4-Dichlorobenzene	ug/L	1.3	75	J	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2-Chlorophenol	ug/L	2	35	J	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	3.6	6	J	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-88FT	6/26/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-3-88FT	6/26/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	1,1,1-Trichloroethane	ug/L	2	200	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	2		U	
GW-AA-O-3-98FT	6/26/2002	VOCs	1,1,2-Trichloroethane	ug/L	2	5	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	1,1-Dichloroethane	ug/L	2	700	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	1,1-Dichloroethylene	ug/L	2	7	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	1,2-Dichloroethane	ug/L	2	5	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	1,2-Dichloroethene (total)	ug/L	4		U	
GW-AA-O-3-98FT	6/26/2002	VOCs	1,2-Dichloropropane	ug/L	2	5	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	2-Butanone (MEK)	ug/L	20		U	
GW-AA-O-3-98FT	6/26/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	20		U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Acetone	ug/L	50	6300	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Benzene	ug/L	2	5	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Bromodichloromethane	ug/L	2	0.2	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Bromoform	ug/L	2	1	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Bromomethane	ug/L	2	9.8	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Carbon Disulfide	ug/L	2	700	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Carbon Tetrachloride	ug/L	2	5	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Chlorobenzene	ug/L	340	100		
GW-AA-O-3-98FT	6/26/2002	VOCs	Chlorodibromomethane	ug/L	2	140	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Chloroethane	ug/L	2		U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Chloroform	ug/L	2	0.2	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Chloromethane	ug/L	2		U	
GW-AA-O-3-98FT	6/26/2002	VOCs	cis-1,3-Dichloropropene	ug/L	2		U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Dichloromethane	ug/L	10	5	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Ethylbenzene	ug/L	2	700	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Methyl N-Butyl Ketone	ug/L	20		U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Styrene (Monomer)	ug/L	2	100	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Tetrachloroethene	ug/L	2	5	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Toluene	ug/L	2	1000	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	trans-1,3-Dichloropropene	ug/L	2		U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Trichloroethene	ug/L	2	5	U	
GW-AA-O-3-98FT	6/26/2002	VOCs	Vinyl chloride	ug/L	4.8	2		
GW-AA-O-3-98FT	6/26/2002	VOCs	Xylenes, Total	ug/L	4	10000	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	1,2-Dichlorobenzene	ug/L	2.6	600	J	
GW-AA-O-3-98FT	6/26/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-98FT	6/26/2002	SVOCs	1,4-Dichlorobenzene	ug/L	4.3	75	J	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2-Chlorophenol	ug/L	6.8	35	J	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Naphthalene	ug/L	4.2	140	J	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	P-Chloroaniline	ug/L	1.3	28	J	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-98FT	6/26/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-3-98FT	6/26/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
GW-AA-O-3-108FT	6/26/2002	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	2-Butanone (MEK)	ug/L	50		U	
GW-AA-O-3-108FT	6/26/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Acetone	ug/L	120	6300	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Benzene	ug/L	5	5	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Bromoform	ug/L	5	1	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Bromomethane	ug/L	5	9.8	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Carbon Disulfide	ug/L	5	700	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Chlorobenzene	ug/L	490	100		
GW-AA-O-3-108FT	6/26/2002	VOCs	Chlorodibromomethane	ug/L	5	140	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Chloroethane	ug/L	5		U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Chloroform	ug/L	5	0.2	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Chloromethane	ug/L	2.8		J	
GW-AA-O-3-108FT	6/26/2002	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Dichloromethane	ug/L	25	5	J	U
GW-AA-O-3-108FT	6/26/2002	VOCs	Ethylbenzene	ug/L	5	700	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Styrene (Monomer)	ug/L	5	100	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Tetrachloroethene	ug/L	5	5	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Toluene	ug/L	5	1000	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Trichloroethene	ug/L	5	5	U	
GW-AA-O-3-108FT	6/26/2002	VOCs	Vinyl chloride	ug/L	2.5	2	J	
GW-AA-O-3-108FT	6/26/2002	VOCs	Xylenes, Total	ug/L	10	10000	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	1,2-Dichlorobenzene	ug/L	1.8	600	J	
GW-AA-O-3-108FT	6/26/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	1,4-Dichlorobenzene	ug/L	4.2	75	J	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2-Chlorophenol	ug/L	6.8	35	J	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	3-Nitroaniline	ug/L	50		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-108FT	6/26/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	0.92	6	J	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Naphthalene	ug/L	4	140	J	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	P-Chloroaniline	ug/L	1.2	28	J	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-3-108FT	6/26/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-3-108FT	6/26/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-O-3-108FT	6/26/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-3-108FT	6/26/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-3-108FT	6/26/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-3-108FT	6/26/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-O-3-108FT	6/26/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-O-3-108FT	6/26/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-3-108FT	6/26/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-3-108FT	6/26/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-3-108FT	6/26/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-3-108FT	6/26/2002	Pesticides	beta-BHC	ug/L	0.027		JP	J
GW-AA-O-3-108FT	6/26/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.0085	0.2	JP	J
GW-AA-O-3-108FT	6/26/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-O-3-108FT	6/26/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.086	50	JP	J
GW-AA-O-3-108FT	6/26/2002	Herbicides	2,4-D	ug/L	0.5	70	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-108FT	6/26/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-O-3-108FT	6/26/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-O-3-108FT	6/26/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-O-3-108FT	6/26/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-O-3-108FT	6/26/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-O-3-108FT	6/26/2002	Herbicides	MCPP	ug/L	120		U	UJ
GW-AA-O-3-108FT	6/26/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-O-3-108FT	6/26/2002	Metals	Aluminum	mg/l	0.078		B	J
GW-AA-O-3-108FT	6/26/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-O-3-108FT	6/26/2002	Metals	Arsenic	mg/l	0.01	0.05	U	UJ
GW-AA-O-3-108FT	6/26/2002	Metals	Barium	mg/l	0.15	2		
GW-AA-O-3-108FT	6/26/2002	Metals	Beryllium	mg/l	0.004	0.004		U
GW-AA-O-3-108FT	6/26/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-O-3-108FT	6/26/2002	Metals	Calcium	mg/l	250			
GW-AA-O-3-108FT	6/26/2002	Metals	Chromium	mg/l	0.0039	0.1	B	
GW-AA-O-3-108FT	6/26/2002	Metals	Cobalt	mg/l	0.01	1	U	UJ
GW-AA-O-3-108FT	6/26/2002	Metals	Copper	mg/l	0.02	0.65	U	
GW-AA-O-3-108FT	6/26/2002	Metals	Iron	mg/l	29	5		
GW-AA-O-3-108FT	6/26/2002	Metals	Lead	mg/l	0.0039	0.0075	B	
GW-AA-O-3-108FT	6/26/2002	Metals	Magnesium	mg/l	60			
GW-AA-O-3-108FT	6/26/2002	Metals	Manganese	mg/l	1.7	0.15		
GW-AA-O-3-108FT	6/26/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-O-3-108FT	6/26/2002	Metals	Nickel	mg/l	0.0067	0.1	B	
GW-AA-O-3-108FT	6/26/2002	Metals	Potassium	mg/l	47			
GW-AA-O-3-108FT	6/26/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-O-3-108FT	6/26/2002	Metals	Silver	mg/l	0.01	0.05	U	UJ
GW-AA-O-3-108FT	6/26/2002	Metals	Sodium	mg/l	65			
GW-AA-O-3-108FT	6/26/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-O-3-108FT	6/26/2002	Metals	Vanadium	mg/l	0.0014	0.049	B	
GW-AA-O-3-108FT	6/26/2002	Metals	Zinc	mg/l	0.021	5		
GW-AA-O-3-108FT	6/26/2002	Other	Alkalinity, Total (as CACO3)	mg/l	680			
GW-AA-O-3-108FT	6/26/2002	Other	Carbon Dioxide	mg/l	170			
GW-AA-O-3-108FT	6/26/2002	Other	Methane	ug/L	84			J
GW-AA-O-3-108FT	6/26/2002	Other	Nitrate-N	mg/l	0.017	10	B	
GW-AA-O-3-108FT	6/26/2002	Other	Sulfate as SO4	mg/l	230	400		
GW-AA-O-3-118	7/18/2002	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
GW-AA-O-3-118	7/18/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
GW-AA-O-3-118	7/18/2002	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
GW-AA-O-3-118	7/18/2002	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
GW-AA-O-3-118	7/18/2002	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
GW-AA-O-3-118	7/18/2002	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
GW-AA-O-3-118	7/18/2002	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
GW-AA-O-3-118	7/18/2002	VOCs	2-Butanone (MEK)	ug/L	50		U	
GW-AA-O-3-118	7/18/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
GW-AA-O-3-118	7/18/2002	VOCs	Acetone	ug/L	120	6300	U	
GW-AA-O-3-118	7/18/2002	VOCs	Benzene	ug/L	5	5	U	
GW-AA-O-3-118	7/18/2002	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
GW-AA-O-3-118	7/18/2002	VOCs	Bromoform	ug/L	5	1	U	
GW-AA-O-3-118	7/18/2002	VOCs	Bromomethane	ug/L	5	9.8	U	
GW-AA-O-3-118	7/18/2002	VOCs	Carbon Disulfide	ug/L	5	700	U	
GW-AA-O-3-118	7/18/2002	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
GW-AA-O-3-118	7/18/2002	VOCs	Chlorobenzene	ug/L	690	100		
GW-AA-O-3-118	7/18/2002	VOCs	Chlorodibromomethane	ug/L	5	140	U	
GW-AA-O-3-118	7/18/2002	VOCs	Chloroethane	ug/L	5		U	
GW-AA-O-3-118	7/18/2002	VOCs	Chloroform	ug/L	5	0.2	U	
GW-AA-O-3-118	7/18/2002	VOCs	Chloromethane	ug/L	5		U	U
GW-AA-O-3-118	7/18/2002	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-118	7/18/2002	VOCs	Dichloromethane	ug/L	25	5	U	
GW-AA-O-3-118	7/18/2002	VOCs	Ethylbenzene	ug/L	5	700	U	
GW-AA-O-3-118	7/18/2002	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
GW-AA-O-3-118	7/18/2002	VOCs	Styrene (Monomer)	ug/L	5	100	U	
GW-AA-O-3-118	7/18/2002	VOCs	Tetrachloroethene	ug/L	5	5	U	
GW-AA-O-3-118	7/18/2002	VOCs	Toluene	ug/L	5	1000	U	
GW-AA-O-3-118	7/18/2002	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-3-118	7/18/2002	VOCs	Trichloroethene	ug/L	5	5	U	
GW-AA-O-3-118	7/18/2002	VOCs	Vinyl chloride	ug/L	1.7	2	J	
GW-AA-O-3-118	7/18/2002	VOCs	Xylenes, Total	ug/L	10	10000	U	
GW-AA-O-3-118	7/18/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-3-118	7/18/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	U
GW-AA-O-3-118	7/18/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	1,4-Dichlorobenzene	ug/L	9.1	75	J	
GW-AA-O-3-118	7/18/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-3-118	7/18/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-3-118	7/18/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-O-3-118	7/18/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-3-118	7/18/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-O-3-118	7/18/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-3-118	7/18/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-3-118	7/18/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	2-Chlorophenol	ug/L	15	35		
GW-AA-O-3-118	7/18/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-3-118	7/18/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-3-118	7/18/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-3-118	7/18/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-3-118	7/18/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-3-118	7/18/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-3-118	7/18/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-3-118	7/18/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-3-118	7/18/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	U
GW-AA-O-3-118	7/18/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Fluoranthene	ug/L	10	280	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-118	7/18/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Naphthalene	ug/L	7.3	140	J	
GW-AA-O-3-118	7/18/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-3-118	7/18/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-3-118	7/18/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-3-118	7/18/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-O-3-118	7/18/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-3-118	7/18/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-3-118	7/18/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-3-118	7/18/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-3-128	7/18/2002	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
GW-AA-O-3-128	7/18/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
GW-AA-O-3-128	7/18/2002	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
GW-AA-O-3-128	7/18/2002	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
GW-AA-O-3-128	7/18/2002	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
GW-AA-O-3-128	7/18/2002	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
GW-AA-O-3-128	7/18/2002	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
GW-AA-O-3-128	7/18/2002	VOCs	2-Butanone (MEK)	ug/L	50		U	
GW-AA-O-3-128	7/18/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
GW-AA-O-3-128	7/18/2002	VOCs	Acetone	ug/L	120	6300	U	
GW-AA-O-3-128	7/18/2002	VOCs	Benzene	ug/L	5	5	U	
GW-AA-O-3-128	7/18/2002	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
GW-AA-O-3-128	7/18/2002	VOCs	Bromoform	ug/L	5	1	U	
GW-AA-O-3-128	7/18/2002	VOCs	Bromomethane	ug/L	5	9.8	U	
GW-AA-O-3-128	7/18/2002	VOCs	Carbon Disulfide	ug/L	5	700	U	
GW-AA-O-3-128	7/18/2002	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
GW-AA-O-3-128	7/18/2002	VOCs	Chlorobenzene	ug/L	520	100		
GW-AA-O-3-128	7/18/2002	VOCs	Chlorodibromomethane	ug/L	5	140	U	
GW-AA-O-3-128	7/18/2002	VOCs	Chloroethane	ug/L	5		U	
GW-AA-O-3-128	7/18/2002	VOCs	Chloroform	ug/L	5	0.2	U	
GW-AA-O-3-128	7/18/2002	VOCs	Chloromethane	ug/L	5		U	
GW-AA-O-3-128	7/18/2002	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-3-128	7/18/2002	VOCs	Dichloromethane	ug/L	25	5	U	
GW-AA-O-3-128	7/18/2002	VOCs	Ethylbenzene	ug/L	5	700	U	
GW-AA-O-3-128	7/18/2002	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
GW-AA-O-3-128	7/18/2002	VOCs	Styrene (Monomer)	ug/L	5	100	U	
GW-AA-O-3-128	7/18/2002	VOCs	Tetrachloroethene	ug/L	5	5	U	
GW-AA-O-3-128	7/18/2002	VOCs	Toluene	ug/L	5	1000	U	
GW-AA-O-3-128	7/18/2002	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
GW-AA-O-3-128	7/18/2002	VOCs	Trichloroethene	ug/L	5	5	U	
GW-AA-O-3-128	7/18/2002	VOCs	Vinyl chloride	ug/L	3.4	2	J	
GW-AA-O-3-128	7/18/2002	VOCs	Xylenes, Total	ug/L	10	10000	U	
GW-AA-O-3-128	7/18/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-O-3-128	7/18/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	U
GW-AA-O-3-128	7/18/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	1,4-Dichlorobenzene	ug/L	5.1	75	J	
GW-AA-O-3-128	7/18/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-O-3-128	7/18/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-O-3-128	7/18/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-128	7/18/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-O-3-128	7/18/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-O-3-128	7/18/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-O-3-128	7/18/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-O-3-128	7/18/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	2-Chlorophenol	ug/L	13	35		
GW-AA-O-3-128	7/18/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-O-3-128	7/18/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-O-3-128	7/18/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-O-3-128	7/18/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-O-3-128	7/18/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-O-3-128	7/18/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-O-3-128	7/18/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-O-3-128	7/18/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-O-3-128	7/18/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Naphthalene	ug/L	6.6	140	J	
GW-AA-O-3-128	7/18/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-O-3-128	7/18/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-O-3-128	7/18/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-O-3-128	7/18/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-O-3-128	7/18/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-O-3-128	7/18/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-O-3-128	7/18/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-O-3-128	7/18/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-O-3-128	7/18/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-O-3-128	7/18/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-128	7/18/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-3-128	7/18/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-3-128	7/18/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-O-3-128	7/18/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-O-3-128	7/18/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-O-3-128	7/18/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-3-128	7/18/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-O-3-128	7/18/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-O-3-128	7/18/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-O-3-128	7/18/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-O-3-128	7/18/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-O-3-128	7/18/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-O-3-128	7/18/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-O-3-128	7/18/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-O-3-128	7/18/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-O-3-128	7/18/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-O-3-128	7/18/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-O-3-128	7/18/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-O-3-128	7/18/2002	Metals	Aluminum	mg/l	3		E	J
GW-AA-O-3-128	7/18/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-O-3-128	7/18/2002	Metals	Arsenic	mg/l	0.01	0.05	U	UJ
GW-AA-O-3-128	7/18/2002	Metals	Barium	mg/l	0.25	2		
GW-AA-O-3-128	7/18/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-O-3-128	7/18/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-O-3-128	7/18/2002	Metals	Calcium	mg/l	270			
GW-AA-O-3-128	7/18/2002	Metals	Chromium	mg/l	0.033	0.1		
GW-AA-O-3-128	7/18/2002	Metals	Cobalt	mg/l	0.0031	1	B	
GW-AA-O-3-128	7/18/2002	Metals	Copper	mg/l	0.02	0.65	U	U
GW-AA-O-3-128	7/18/2002	Metals	Iron	mg/l	64	5		
GW-AA-O-3-128	7/18/2002	Metals	Lead	mg/l	0.0051	0.0075		
GW-AA-O-3-128	7/18/2002	Metals	Magnesium	mg/l	76			
GW-AA-O-3-128	7/18/2002	Metals	Manganese	mg/l	1.6	0.15		
GW-AA-O-3-128	7/18/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-O-3-128	7/18/2002	Metals	Nickel	mg/l	0.026	0.1	B	
GW-AA-O-3-128	7/18/2002	Metals	Potassium	mg/l	41			
GW-AA-O-3-128	7/18/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-O-3-128	7/18/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-O-3-128	7/18/2002	Metals	Sodium	mg/l	69			
GW-AA-O-3-128	7/18/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-O-3-128	7/18/2002	Metals	Vanadium	mg/l	0.0073	0.049	B	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-O-3-128	7/18/2002	Metals	Zinc	mg/l	0.051	5	E	J
GW-AA-O-3-128	7/18/2002	Other	Alkalinity, Total (as CACO3)	mg/l	660			
GW-AA-O-3-128	7/18/2002	Other	Carbon Dioxide	mg/l	25			
GW-AA-O-3-128	7/18/2002	Other	Methane	ug/L	36			J
GW-AA-O-3-128	7/18/2002	Other	Nitrate-N	mg/l	0.01	10	B	
GW-AA-O-3-128	7/18/2002	Other	Sulfate as SO4	mg/l	260	400		
AA-O-4-82	5/13/2005	VOCs	1,1,1-Trichloroethane	ug/L	500	200	U	
AA-O-4-82	5/13/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	500		U	
AA-O-4-82	5/13/2005	VOCs	1,1,2-Trichloroethane	ug/L	500	5	U	
AA-O-4-82	5/13/2005	VOCs	1,1-Dichloroethane	ug/L	500	700	U	
AA-O-4-82	5/13/2005	VOCs	1,1-Dichloroethylene	ug/L	500	7	U	
AA-O-4-82	5/13/2005	VOCs	1,2-Dichloroethane	ug/L	500	5	U	
AA-O-4-82	5/13/2005	VOCs	1,2-Dichloroethene (total)	ug/L	1000		U	
AA-O-4-82	5/13/2005	VOCs	1,2-Dichloropropane	ug/L	500	5	U	
AA-O-4-82	5/13/2005	VOCs	2-Butanone (MEK)	ug/L	5000		U	
AA-O-4-82	5/13/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	5000		U	
AA-O-4-82	5/13/2005	VOCs	Acetone	ug/L	13000	6300	U	
AA-O-4-82	5/13/2005	VOCs	Benzene	ug/L	56000	5		
AA-O-4-82	5/13/2005	VOCs	Bromodichloromethane	ug/L	500	0.2	U	
AA-O-4-82	5/13/2005	VOCs	Bromoform	ug/L	500	1	U	
AA-O-4-82	5/13/2005	VOCs	Bromomethane	ug/L	500	9.8	U	
AA-O-4-82	5/13/2005	VOCs	Carbon Disulfide	ug/L	500	700	U	
AA-O-4-82	5/13/2005	VOCs	Carbon Tetrachloride	ug/L	500	5	U	
AA-O-4-82	5/13/2005	VOCs	Chlorobenzene	ug/L	22000	100		
AA-O-4-82	5/13/2005	VOCs	Chlorodibromomethane	ug/L	500	140	U	
AA-O-4-82	5/13/2005	VOCs	Chloroethane	ug/L	500		U	
AA-O-4-82	5/13/2005	VOCs	Chloroform	ug/L	500	0.2	U	
AA-O-4-82	5/13/2005	VOCs	Chloromethane	ug/L	500		U	
AA-O-4-82	5/13/2005	VOCs	cis-1,3-Dichloropropene	ug/L	500		U	
AA-O-4-82	5/13/2005	VOCs	Dichloromethane	ug/L	500	5	U	
AA-O-4-82	5/13/2005	VOCs	Ethylbenzene	ug/L	500	700	U	
AA-O-4-82	5/13/2005	VOCs	Methyl N-Butyl Ketone	ug/L	5000		U	
AA-O-4-82	5/13/2005	VOCs	Styrene (Monomer)	ug/L	500	100	U	
AA-O-4-82	5/13/2005	VOCs	Tetrachloroethene	ug/L	500	5	U	
AA-O-4-82	5/13/2005	VOCs	Toluene	ug/L	500	1000	U	
AA-O-4-82	5/13/2005	VOCs	trans-1,3-Dichloropropene	ug/L	500		U	
AA-O-4-82	5/13/2005	VOCs	Trichloroethene	ug/L	500	5	U	
AA-O-4-82	5/13/2005	VOCs	Vinyl chloride	ug/L	500	2	U	
AA-O-4-82	5/13/2005	VOCs	Xylenes, Total	ug/L	1000	10000	U	
AA-O-4-82	5/13/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.5	70	U	
AA-O-4-82	5/13/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.5	600	U	
AA-O-4-82	5/13/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	1,4-Dichlorobenzene	ug/L	370	75	D	
AA-O-4-82	5/13/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.5	700	U	
AA-O-4-82	5/13/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.5	10	U	
AA-O-4-82	5/13/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.5	21	U	
AA-O-4-82	5/13/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.5	140	U	
AA-O-4-82	5/13/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	14	U	
AA-O-4-82	5/13/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.5	0.02	U	
AA-O-4-82	5/13/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.5	0.31	U	
AA-O-4-82	5/13/2005	SVOCs	2-Chloronaphthalene	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	2-Chlorophenol	ug/L	27	35		
AA-O-4-82	5/13/2005	SVOCs	2-Methylnaphthalene	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.5	350	U	
AA-O-4-82	5/13/2005	SVOCs	2-Nitroaniline	ug/L	48		U	
AA-O-4-82	5/13/2005	SVOCs	2-Nitrophenol	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.5		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-4-82	5/13/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	UJ
AA-O-4-82	5/13/2005	SVOCs	3-Nitroaniline	ug/L	48		U	
AA-O-4-82	5/13/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48		U	
AA-O-4-82	5/13/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	4-Nitrophenol	ug/L	48		U	
AA-O-4-82	5/13/2005	SVOCs	Acenaphthene	ug/L	9.5	420	U	
AA-O-4-82	5/13/2005	SVOCs	Acenaphthylene	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	Anthracene	ug/L	9.5	2100	U	
AA-O-4-82	5/13/2005	SVOCs	Benzo(a)anthracene	ug/L	9.5	0.13	U	
AA-O-4-82	5/13/2005	SVOCs	Benzo(a)pyrene	ug/L	9.5	0.2	U	
AA-O-4-82	5/13/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.5	0.18	U	
AA-O-4-82	5/13/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.5	0.17	U	
AA-O-4-82	5/13/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.5	1400	U	
AA-O-4-82	5/13/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.5	10	U	
AA-O-4-82	5/13/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.5	6	U	
AA-O-4-82	5/13/2005	SVOCs	Carbazole	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	Chrysene	ug/L	9.5	1.5	U	
AA-O-4-82	5/13/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.5	0.3	U	
AA-O-4-82	5/13/2005	SVOCs	Dibenzofuran	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	Diethyl Phthalate	ug/L	9.5	5600	U	
AA-O-4-82	5/13/2005	SVOCs	Dimethyl Phthalate	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	Di-n-butylphthalate	ug/L	9.5	700	U	
AA-O-4-82	5/13/2005	SVOCs	Di-n-octylphthalate	ug/L	9.5	140	U	
AA-O-4-82	5/13/2005	SVOCs	Dinoseb	ug/L	9.5	7	U	
AA-O-4-82	5/13/2005	SVOCs	Fluoranthene	ug/L	9.5	280	U	
AA-O-4-82	5/13/2005	SVOCs	Fluorene	ug/L	9.5	280	U	
AA-O-4-82	5/13/2005	SVOCs	Hexachlorobenzene	ug/L	9.5	0.06	U	
AA-O-4-82	5/13/2005	SVOCs	Hexachlorobutadiene	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.5	50	U	
AA-O-4-82	5/13/2005	SVOCs	Hexachloroethane	ug/L	9.5	7	U	
AA-O-4-82	5/13/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.5	0.43	U	
AA-O-4-82	5/13/2005	SVOCs	Isophorone	ug/L	9.5	1400	U	
AA-O-4-82	5/13/2005	SVOCs	Naphthalene	ug/L	9.5	140	U	
AA-O-4-82	5/13/2005	SVOCs	Nitrobenzene	ug/L	9.5	3.5	U	
AA-O-4-82	5/13/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.5	1.8	U	
AA-O-4-82	5/13/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.5	3.2	U	
AA-O-4-82	5/13/2005	SVOCs	P-Chloroaniline	ug/L	110	28		UJ
AA-O-4-82	5/13/2005	SVOCs	Phenanthrene	ug/L	9.5		U	
AA-O-4-82	5/13/2005	SVOCs	Phenol	ug/L	290	100	D	
AA-O-4-82	5/13/2005	SVOCs	P-Nitroaniline	ug/L	48		U	
AA-O-4-82	5/13/2005	SVOCs	Pyrene	ug/L	9.5	210	U	
AA-O-4-82	5/13/2005	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-O-4-82	5/13/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-O-4-82	5/13/2005	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-O-4-82	5/13/2005	Herbicides	2,4-DB	ug/L	0.48		U	
AA-O-4-82	5/13/2005	Herbicides	Dalapon	ug/L	9.6	200	U	
AA-O-4-82	5/13/2005	Herbicides	Dicamba	ug/L	0.48		U	
AA-O-4-82	5/13/2005	Herbicides	Dichlorprop	ug/L	0.48		U	
AA-O-4-82	5/13/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-O-4-82	5/13/2005	Herbicides	MCPP	ug/L	120		U	
AA-O-4-82	5/13/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-O-4-82	5/13/2005	Metals	Aluminum	mg/l	18			
AA-O-4-82	5/13/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-O-4-82	5/13/2005	Metals	Arsenic	mg/l	0.022	0.05		

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-4-82	5/13/2005	Metals	Barium	mg/l	1.1	2		
AA-O-4-82	5/13/2005	Metals	Beryllium	mg/l	0.0014	0.004	J	
AA-O-4-82	5/13/2005	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-O-4-82	5/13/2005	Metals	Calcium	mg/l	210			
AA-O-4-82	5/13/2005	Metals	Chromium	mg/l	0.56	0.1		
AA-O-4-82	5/13/2005	Metals	Cobalt	mg/l	0.024	1		
AA-O-4-82	5/13/2005	Metals	Copper	mg/l	0.21	0.65		
AA-O-4-82	5/13/2005	Metals	Iron	mg/l	120	5		
AA-O-4-82	5/13/2005	Metals	Lead	mg/l	0.028	0.0075		
AA-O-4-82	5/13/2005	Metals	Magnesium	mg/l	47			
AA-O-4-82	5/13/2005	Metals	Manganese	mg/l	3	0.15		
AA-O-4-82	5/13/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-O-4-82	5/13/2005	Metals	Nickel	mg/l	0.17	0.1		
AA-O-4-82	5/13/2005	Metals	Potassium	mg/l	15			
AA-O-4-82	5/13/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-O-4-82	5/13/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-O-4-82	5/13/2005	Metals	Sodium	mg/l	70			
AA-O-4-82	5/13/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-O-4-82	5/13/2005	Metals	Vanadium	mg/l	0.046	0.049		
AA-O-4-82	5/13/2005	Metals	Zinc	mg/l	5.3	5		
AA-O-4-82	5/13/2005	Other	Ammonia	mg/l	0.2			
AA-O-4-102	5/16/2005	VOCs	1,1,1-Trichloroethane	ug/L	100	200	U	
AA-O-4-102	5/16/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	100		U	
AA-O-4-102	5/16/2005	VOCs	1,1,2-Trichloroethane	ug/L	100	5	U	
AA-O-4-102	5/16/2005	VOCs	1,1-Dichloroethane	ug/L	100	700	U	
AA-O-4-102	5/16/2005	VOCs	1,1-Dichloroethylene	ug/L	100	7	U	
AA-O-4-102	5/16/2005	VOCs	1,2-Dichloroethane	ug/L	100	5	U	
AA-O-4-102	5/16/2005	VOCs	1,2-Dichloroethene (total)	ug/L	200		U	
AA-O-4-102	5/16/2005	VOCs	1,2-Dichloropropane	ug/L	100	5	U	
AA-O-4-102	5/16/2005	VOCs	2-Butanone (MEK)	ug/L	1000		U	
AA-O-4-102	5/16/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	1000		U	
AA-O-4-102	5/16/2005	VOCs	Acetone	ug/L	2500	6300	U	
AA-O-4-102	5/16/2005	VOCs	Benzene	ug/L	11000	5		
AA-O-4-102	5/16/2005	VOCs	Bromodichloromethane	ug/L	100	0.2	U	
AA-O-4-102	5/16/2005	VOCs	Bromoform	ug/L	100	1	U	
AA-O-4-102	5/16/2005	VOCs	Bromomethane	ug/L	100	9.8	U	
AA-O-4-102	5/16/2005	VOCs	Carbon Disulfide	ug/L	100	700	U	
AA-O-4-102	5/16/2005	VOCs	Carbon Tetrachloride	ug/L	100	5	U	
AA-O-4-102	5/16/2005	VOCs	Chlorobenzene	ug/L	2100	100		
AA-O-4-102	5/16/2005	VOCs	Chlorodibromomethane	ug/L	100	140	U	
AA-O-4-102	5/16/2005	VOCs	Chloroethane	ug/L	100		U	
AA-O-4-102	5/16/2005	VOCs	Chloroform	ug/L	100	0.2	U	
AA-O-4-102	5/16/2005	VOCs	Chloromethane	ug/L	100		U	
AA-O-4-102	5/16/2005	VOCs	cis-1,3-Dichloropropene	ug/L	100		U	
AA-O-4-102	5/16/2005	VOCs	Dichloromethane	ug/L	500	5	U	
AA-O-4-102	5/16/2005	VOCs	Ethylbenzene	ug/L	100	700	U	
AA-O-4-102	5/16/2005	VOCs	Methyl N-Butyl Ketone	ug/L	1000		U	
AA-O-4-102	5/16/2005	VOCs	Styrene (Monomer)	ug/L	100	100	U	
AA-O-4-102	5/16/2005	VOCs	Tetrachloroethene	ug/L	100	5	U	
AA-O-4-102	5/16/2005	VOCs	Toluene	ug/L	100	1000	U	
AA-O-4-102	5/16/2005	VOCs	trans-1,3-Dichloropropene	ug/L	100		U	
AA-O-4-102	5/16/2005	VOCs	Trichloroethene	ug/L	100	5	U	
AA-O-4-102	5/16/2005	VOCs	Vinyl chloride	ug/L	100	2	U	
AA-O-4-102	5/16/2005	VOCs	Xylenes, Total	ug/L	200	10000	U	
AA-O-4-102	5/16/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.3	70	U	UJ
AA-O-4-102	5/16/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.3	600	U	UJ
AA-O-4-102	5/16/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	1,4-Dichlorobenzene	ug/L	130	75		J

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-4-102	5/16/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.3	700	U	UJ
AA-O-4-102	5/16/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.3	10	U	UJ
AA-O-4-102	5/16/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.3	21	U	UJ
AA-O-4-102	5/16/2005	SVOCs	2,4-Dimethylphenol	ug/L	11	140		J
AA-O-4-102	5/16/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	UJ
AA-O-4-102	5/16/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.3	0.02	U	UJ
AA-O-4-102	5/16/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.3	0.31	U	UJ
AA-O-4-102	5/16/2005	SVOCs	2-Chloronaphthalene	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	2-Chlorophenol	ug/L	3.5	35	J	J
AA-O-4-102	5/16/2005	SVOCs	2-Methylnaphthalene	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.3	350	U	UJ
AA-O-4-102	5/16/2005	SVOCs	2-Nitroaniline	ug/L	47		U	UJ
AA-O-4-102	5/16/2005	SVOCs	2-Nitrophenol	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	UJ
AA-O-4-102	5/16/2005	SVOCs	3-Nitroaniline	ug/L	47		U	UJ
AA-O-4-102	5/16/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	UJ
AA-O-4-102	5/16/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	4-Nitrophenol	ug/L	47		U	UJ
AA-O-4-102	5/16/2005	SVOCs	Acenaphthene	ug/L	9.3	420	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Acenaphthylene	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	Anthracene	ug/L	9.3	2100	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Benzo(a)anthracene	ug/L	9.3	0.13	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Benzo(a)pyrene	ug/L	9.3	0.2	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.3	0.18	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.3	0.17	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.3	1400	U	UJ
AA-O-4-102	5/16/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.3	10	U	UJ
AA-O-4-102	5/16/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.3	6	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Carbazole	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	Chrysene	ug/L	9.3	1.5	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.3	0.3	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Dibenzofuran	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	Diethyl Phthalate	ug/L	9.3	5600	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Dimethyl Phthalate	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	Di-n-butylphthalate	ug/L	9.3	700	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Di-n-octylphthalate	ug/L	9.3	140	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Dinoseb	ug/L	9.3	7	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Fluoranthene	ug/L	9.3	280	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Fluorene	ug/L	9.3	280	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Hexachlorobenzene	ug/L	9.3	0.06	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Hexachlorobutadiene	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.3	50	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Hexachloroethane	ug/L	9.3	7	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.3	0.43	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Isophorone	ug/L	9.3	1400	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Naphthalene	ug/L	9.3	140	U	UJ
AA-O-4-102	5/16/2005	SVOCs	Nitrobenzene	ug/L	9.3	3.5	U	UJ
AA-O-4-102	5/16/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.3	1.8	U	UJ
AA-O-4-102	5/16/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.3	3.2	U	UJ
AA-O-4-102	5/16/2005	SVOCs	P-Chloroaniline	ug/L	7	28	J	J
AA-O-4-102	5/16/2005	SVOCs	Phenanthrene	ug/L	9.3		U	UJ
AA-O-4-102	5/16/2005	SVOCs	Phenol	ug/L	100	100		J

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-4-102	5/16/2005	SVOCs	P-Nitroaniline	ug/L	47		U	UJ
AA-O-4-102	5/16/2005	SVOCs	Pyrene	ug/L	9.3	210	U	UJ
AA-O-4-102	5/16/2005	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-O-4-102	5/16/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-O-4-102	5/16/2005	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-O-4-102	5/16/2005	Herbicides	2,4-DB	ug/L	0.48		U	
AA-O-4-102	5/16/2005	Herbicides	Dalapon	ug/L	9.5	200	U	
AA-O-4-102	5/16/2005	Herbicides	Dicamba	ug/L	0.48		U	
AA-O-4-102	5/16/2005	Herbicides	Dichlorprop	ug/L	0.48		U	
AA-O-4-102	5/16/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	110		U	
AA-O-4-102	5/16/2005	Herbicides	MCPP	ug/L	110		U	
AA-O-4-102	5/16/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-O-4-102	5/16/2005	Metals	Aluminum	mg/l	3.5			
AA-O-4-102	5/16/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-O-4-102	5/16/2005	Metals	Arsenic	mg/l	0.01	0.05	U	
AA-O-4-102	5/16/2005	Metals	Barium	mg/l	0.23	2		
AA-O-4-102	5/16/2005	Metals	Beryllium	mg/l	0.00029	0.004	J	
AA-O-4-102	5/16/2005	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-O-4-102	5/16/2005	Metals	Calcium	mg/l	180			
AA-O-4-102	5/16/2005	Metals	Chromium	mg/l	0.05	0.1		
AA-O-4-102	5/16/2005	Metals	Cobalt	mg/l	0.0057	1	J	
AA-O-4-102	5/16/2005	Metals	Copper	mg/l	0.04	0.65		
AA-O-4-102	5/16/2005	Metals	Iron	mg/l	46	5		
AA-O-4-102	5/16/2005	Metals	Lead	mg/l	0.0095	0.0075		
AA-O-4-102	5/16/2005	Metals	Magnesium	mg/l	47			
AA-O-4-102	5/16/2005	Metals	Manganese	mg/l	1.9	0.15		
AA-O-4-102	5/16/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-O-4-102	5/16/2005	Metals	Nickel	mg/l	0.027	0.1	J	
AA-O-4-102	5/16/2005	Metals	Potassium	mg/l	9.7			
AA-O-4-102	5/16/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-O-4-102	5/16/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-O-4-102	5/16/2005	Metals	Sodium	mg/l	63			
AA-O-4-102	5/16/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-O-4-102	5/16/2005	Metals	Vanadium	mg/l	0.014	0.049		
AA-O-4-102	5/16/2005	Metals	Zinc	mg/l	1	5		
AA-O-4-102	5/16/2005	Other	Ammonia	mg/l	0.54			
AA-O-4-119	5/16/2005	VOCs	1,1,1-Trichloroethane	ug/L	2000	200	U	
AA-O-4-119	5/16/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	2000		U	
AA-O-4-119	5/16/2005	VOCs	1,1,2-Trichloroethane	ug/L	2000	5	U	
AA-O-4-119	5/16/2005	VOCs	1,1-Dichloroethane	ug/L	2000	700	U	
AA-O-4-119	5/16/2005	VOCs	1,1-Dichloroethylene	ug/L	2000	7	U	
AA-O-4-119	5/16/2005	VOCs	1,2-Dichloroethane	ug/L	2000	5	U	
AA-O-4-119	5/16/2005	VOCs	1,2-Dichloroethene (total)	ug/L	4000		U	
AA-O-4-119	5/16/2005	VOCs	1,2-Dichloropropane	ug/L	2000	5	U	
AA-O-4-119	5/16/2005	VOCs	2-Butanone (MEK)	ug/L	20000		U	
AA-O-4-119	5/16/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	20000		U	
AA-O-4-119	5/16/2005	VOCs	Acetone	ug/L	50000	6300	U	
AA-O-4-119	5/16/2005	VOCs	Benzene	ug/L	150000	5		
AA-O-4-119	5/16/2005	VOCs	Bromodichloromethane	ug/L	2000	0.2	U	
AA-O-4-119	5/16/2005	VOCs	Bromoform	ug/L	2000	1	U	
AA-O-4-119	5/16/2005	VOCs	Bromomethane	ug/L	2000	9.8	U	
AA-O-4-119	5/16/2005	VOCs	Carbon Disulfide	ug/L	2000	700	U	
AA-O-4-119	5/16/2005	VOCs	Carbon Tetrachloride	ug/L	2000	5	U	
AA-O-4-119	5/16/2005	VOCs	Chlorobenzene	ug/L	9700	100		
AA-O-4-119	5/16/2005	VOCs	Chlorodibromomethane	ug/L	2000	140	U	
AA-O-4-119	5/16/2005	VOCs	Chloroethane	ug/L	2000		U	
AA-O-4-119	5/16/2005	VOCs	Chloroform	ug/L	2000	0.2	U	
AA-O-4-119	5/16/2005	VOCs	Chloromethane	ug/L	2000		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-4-119	5/16/2005	VOCs	cis-1,3-Dichloropropene	ug/L	2000		U	
AA-O-4-119	5/16/2005	VOCs	Dichloromethane	ug/L	10000	5	U	
AA-O-4-119	5/16/2005	VOCs	Ethylbenzene	ug/L	2000	700	U	
AA-O-4-119	5/16/2005	VOCs	Methyl N-Butyl Ketone	ug/L	20000		U	
AA-O-4-119	5/16/2005	VOCs	Styrene (Monomer)	ug/L	2000	100	U	
AA-O-4-119	5/16/2005	VOCs	Tetrachloroethene	ug/L	2000	5	U	
AA-O-4-119	5/16/2005	VOCs	Toluene	ug/L	2000	1000	U	
AA-O-4-119	5/16/2005	VOCs	trans-1,3-Dichloropropene	ug/L	2000		U	
AA-O-4-119	5/16/2005	VOCs	Trichloroethene	ug/L	2000	5	U	
AA-O-4-119	5/16/2005	VOCs	Vinyl chloride	ug/L	2000	2	U	
AA-O-4-119	5/16/2005	VOCs	Xylenes, Total	ug/L	4000	10000	U	
AA-O-4-119	5/16/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	
AA-O-4-119	5/16/2005	SVOCs	1,2-Dichlorobenzene	ug/L	11	600		
AA-O-4-119	5/16/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	1,4-Dichlorobenzene	ug/L	120	75		
AA-O-4-119	5/16/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	
AA-O-4-119	5/16/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	
AA-O-4-119	5/16/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.4	21	U	
AA-O-4-119	5/16/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	
AA-O-4-119	5/16/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-O-4-119	5/16/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	
AA-O-4-119	5/16/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	
AA-O-4-119	5/16/2005	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	2-Chlorophenol	ug/L	7	35	J	
AA-O-4-119	5/16/2005	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	
AA-O-4-119	5/16/2005	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-O-4-119	5/16/2005	SVOCs	2-Nitrophenol	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-O-4-119	5/16/2005	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-O-4-119	5/16/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
AA-O-4-119	5/16/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-O-4-119	5/16/2005	SVOCs	Acenaphthene	ug/L	9.4	420	U	
AA-O-4-119	5/16/2005	SVOCs	Acenaphthylene	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	Anthracene	ug/L	9.4	2100	U	
AA-O-4-119	5/16/2005	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	
AA-O-4-119	5/16/2005	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	
AA-O-4-119	5/16/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	
AA-O-4-119	5/16/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	
AA-O-4-119	5/16/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	
AA-O-4-119	5/16/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	
AA-O-4-119	5/16/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	6	U	
AA-O-4-119	5/16/2005	SVOCs	Carbazole	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	Chrysene	ug/L	9.4	1.5	U	
AA-O-4-119	5/16/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	
AA-O-4-119	5/16/2005	SVOCs	Dibenzofuran	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	Diethyl Phthalate	ug/L	0.67	5600	J	
AA-O-4-119	5/16/2005	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	
AA-O-4-119	5/16/2005	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	
AA-O-4-119	5/16/2005	SVOCs	Dinoseb	ug/L	9.4	7	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-4-119	5/16/2005	SVOCs	Fluoranthene	ug/L	9.4	280	U	
AA-O-4-119	5/16/2005	SVOCs	Fluorene	ug/L	9.4	280	U	
AA-O-4-119	5/16/2005	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	
AA-O-4-119	5/16/2005	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	
AA-O-4-119	5/16/2005	SVOCs	Hexachloroethane	ug/L	9.4	7	U	
AA-O-4-119	5/16/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	
AA-O-4-119	5/16/2005	SVOCs	Isophorone	ug/L	9.4	1400	U	
AA-O-4-119	5/16/2005	SVOCs	Naphthalene	ug/L	9.4	140	U	
AA-O-4-119	5/16/2005	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	
AA-O-4-119	5/16/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	
AA-O-4-119	5/16/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	
AA-O-4-119	5/16/2005	SVOCs	P-Chloroaniline	ug/L	110	28		
AA-O-4-119	5/16/2005	SVOCs	Phenanthrene	ug/L	9.4		U	
AA-O-4-119	5/16/2005	SVOCs	Phenol	ug/L	310	100		
AA-O-4-119	5/16/2005	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-O-4-119	5/16/2005	SVOCs	Pyrene	ug/L	9.4	210	U	
AA-O-4-119	5/16/2005	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-O-4-119	5/16/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-O-4-119	5/16/2005	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-O-4-119	5/16/2005	Herbicides	2,4-DB	ug/L	0.48		U	
AA-O-4-119	5/16/2005	Herbicides	Dalapon	ug/L	9.5	200	U	
AA-O-4-119	5/16/2005	Herbicides	Dicamba	ug/L	0.48		U	
AA-O-4-119	5/16/2005	Herbicides	Dichlorprop	ug/L	0.48		U	
AA-O-4-119	5/16/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	110		U	
AA-O-4-119	5/16/2005	Herbicides	MCPP	ug/L	110		U	
AA-O-4-119	5/16/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-O-4-119	5/16/2005	Metals	Aluminum	mg/l	8.5			
AA-O-4-119	5/16/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-O-4-119	5/16/2005	Metals	Arsenic	mg/l	0.01	0.05	U	
AA-O-4-119	5/16/2005	Metals	Barium	mg/l	0.46	2		
AA-O-4-119	5/16/2005	Metals	Beryllium	mg/l	0.00035	0.004	J	
AA-O-4-119	5/16/2005	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-O-4-119	5/16/2005	Metals	Calcium	mg/l	200			
AA-O-4-119	5/16/2005	Metals	Chromium	mg/l	0.19	0.1		
AA-O-4-119	5/16/2005	Metals	Cobalt	mg/l	0.0049	1	J	
AA-O-4-119	5/16/2005	Metals	Copper	mg/l	0.07	0.65		
AA-O-4-119	5/16/2005	Metals	Iron	mg/l	56	5		
AA-O-4-119	5/16/2005	Metals	Lead	mg/l	0.0095	0.0075		
AA-O-4-119	5/16/2005	Metals	Magnesium	mg/l	46			
AA-O-4-119	5/16/2005	Metals	Manganese	mg/l	1.7	0.15		
AA-O-4-119	5/16/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-O-4-119	5/16/2005	Metals	Nickel	mg/l	0.051	0.1		
AA-O-4-119	5/16/2005	Metals	Potassium	mg/l	11			
AA-O-4-119	5/16/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-O-4-119	5/16/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-O-4-119	5/16/2005	Metals	Sodium	mg/l	65			
AA-O-4-119	5/16/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-O-4-119	5/16/2005	Metals	Vanadium	mg/l	0.018	0.049		
AA-O-4-119	5/16/2005	Metals	Zinc	mg/l	2	5		
AA-O-4-119	5/16/2005	Other	Ammonia	mg/l	0.47			J
AA-O-5-82	5/19/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-O-5-82	5/19/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-O-5-82	5/19/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-O-5-82	5/19/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-O-5-82	5/19/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-O-5-82	5/19/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-O-5-82	5/19/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-5-82	5/19/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-O-5-82	5/19/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-O-5-82	5/19/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-O-5-82	5/19/2005	VOCs	Acetone	ug/L	25	6300	U	
AA-O-5-82	5/19/2005	VOCs	Benzene	ug/L	1	5	U	
AA-O-5-82	5/19/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-O-5-82	5/19/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-O-5-82	5/19/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-O-5-82	5/19/2005	VOCs	Carbon Disulfide	ug/L	0.97	700	J	
AA-O-5-82	5/19/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-O-5-82	5/19/2005	VOCs	Chlorobenzene	ug/L	16	100		
AA-O-5-82	5/19/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-O-5-82	5/19/2005	VOCs	Chloroethane	ug/L	1		U	
AA-O-5-82	5/19/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-O-5-82	5/19/2005	VOCs	Chloromethane	ug/L	1		U	
AA-O-5-82	5/19/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-O-5-82	5/19/2005	VOCs	Dichloromethane	ug/L	5	5	U	
AA-O-5-82	5/19/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-O-5-82	5/19/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-O-5-82	5/19/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-O-5-82	5/19/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-O-5-82	5/19/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-O-5-82	5/19/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-O-5-82	5/19/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-O-5-82	5/19/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-O-5-82	5/19/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-O-5-82	5/19/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.3	70	U	
AA-O-5-82	5/19/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.3	600	U	
AA-O-5-82	5/19/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.3	75	U	
AA-O-5-82	5/19/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.3	700	U	
AA-O-5-82	5/19/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.3	10	U	
AA-O-5-82	5/19/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.3	21	U	
AA-O-5-82	5/19/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.3	140	U	
AA-O-5-82	5/19/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-O-5-82	5/19/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.3	0.02	U	
AA-O-5-82	5/19/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.3	0.31	U	
AA-O-5-82	5/19/2005	SVOCs	2-Chloronaphthalene	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	2-Chlorophenol	ug/L	9.3	35	U	
AA-O-5-82	5/19/2005	SVOCs	2-Methylnaphthalene	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.3	350	U	
AA-O-5-82	5/19/2005	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-O-5-82	5/19/2005	SVOCs	2-Nitrophenol	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-O-5-82	5/19/2005	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-O-5-82	5/19/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
AA-O-5-82	5/19/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-O-5-82	5/19/2005	SVOCs	Acenaphthene	ug/L	9.3	420	U	
AA-O-5-82	5/19/2005	SVOCs	Acenaphthylene	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	Anthracene	ug/L	9.3	2100	U	
AA-O-5-82	5/19/2005	SVOCs	Benzo(a)anthracene	ug/L	9.3	0.13	U	
AA-O-5-82	5/19/2005	SVOCs	Benzo(a)pyrene	ug/L	9.3	0.2	U	
AA-O-5-82	5/19/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.3	0.18	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-5-82	5/19/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.3	0.17	U	
AA-O-5-82	5/19/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.3	1400	U	
AA-O-5-82	5/19/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.3	10	U	
AA-O-5-82	5/19/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.3	6	U	
AA-O-5-82	5/19/2005	SVOCs	Carbazole	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	Chrysene	ug/L	9.3	1.5	U	
AA-O-5-82	5/19/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.3	0.3	U	
AA-O-5-82	5/19/2005	SVOCs	Dibenzofuran	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	Diethyl Phthalate	ug/L	9.3	5600	U	
AA-O-5-82	5/19/2005	SVOCs	Dimethyl Phthalate	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	Di-n-butylphthalate	ug/L	9.3	700	U	
AA-O-5-82	5/19/2005	SVOCs	Di-n-octylphthalate	ug/L	9.3	140	U	
AA-O-5-82	5/19/2005	SVOCs	Dinoseb	ug/L	9.3	7	U	
AA-O-5-82	5/19/2005	SVOCs	Fluoranthene	ug/L	9.3	280	U	
AA-O-5-82	5/19/2005	SVOCs	Fluorene	ug/L	9.3	280	U	
AA-O-5-82	5/19/2005	SVOCs	Hexachlorobenzene	ug/L	9.3	0.06	U	
AA-O-5-82	5/19/2005	SVOCs	Hexachlorobutadiene	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.3	50	U	
AA-O-5-82	5/19/2005	SVOCs	Hexachloroethane	ug/L	9.3	7	U	
AA-O-5-82	5/19/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.3	0.43	U	
AA-O-5-82	5/19/2005	SVOCs	Isophorone	ug/L	9.3	1400	U	
AA-O-5-82	5/19/2005	SVOCs	Naphthalene	ug/L	9.3	140	U	
AA-O-5-82	5/19/2005	SVOCs	Nitrobenzene	ug/L	9.3	3.5	U	
AA-O-5-82	5/19/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.3	1.8	U	
AA-O-5-82	5/19/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.3	3.2	U	
AA-O-5-82	5/19/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	UJ
AA-O-5-82	5/19/2005	SVOCs	Phenanthrene	ug/L	9.3		U	
AA-O-5-82	5/19/2005	SVOCs	Phenol	ug/L	9.3	100	U	
AA-O-5-82	5/19/2005	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-O-5-82	5/19/2005	SVOCs	Pyrene	ug/L	9.3	210	U	
AA-O-5-82	5/19/2005	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-O-5-82	5/19/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-O-5-82	5/19/2005	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-O-5-82	5/19/2005	Herbicides	2,4-DB	ug/L	0.48		U	
AA-O-5-82	5/19/2005	Herbicides	Dalapon	ug/L	9.5	200	U	
AA-O-5-82	5/19/2005	Herbicides	Dicamba	ug/L	0.48		U	
AA-O-5-82	5/19/2005	Herbicides	Dichlorprop	ug/L	0.48		U	
AA-O-5-82	5/19/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	110		U	
AA-O-5-82	5/19/2005	Herbicides	MCPP	ug/L	27		JP	
AA-O-5-82	5/19/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-O-5-82	5/19/2005	Metals	Aluminum	mg/l	20			
AA-O-5-82	5/19/2005	Metals	Antimony	mg/l	0.0042	0.006	J	
AA-O-5-82	5/19/2005	Metals	Arsenic	mg/l	0.029	0.05		
AA-O-5-82	5/19/2005	Metals	Barium	mg/l	0.59	2		
AA-O-5-82	5/19/2005	Metals	Beryllium	mg/l	0.0027	0.004	J	
AA-O-5-82	5/19/2005	Metals	Cadmium	mg/l	0.0047	0.005	J	
AA-O-5-82	5/19/2005	Metals	Calcium	mg/l	240			
AA-O-5-82	5/19/2005	Metals	Chromium	mg/l	0.4	0.1		
AA-O-5-82	5/19/2005	Metals	Cobalt	mg/l	0.054	1		
AA-O-5-82	5/19/2005	Metals	Copper	mg/l	0.16	0.65		
AA-O-5-82	5/19/2005	Metals	Iron	mg/l	120	5		
AA-O-5-82	5/19/2005	Metals	Lead	mg/l	0.081	0.0075		
AA-O-5-82	5/19/2005	Metals	Magnesium	mg/l	53			
AA-O-5-82	5/19/2005	Metals	Manganese	mg/l	4.2	0.15		
AA-O-5-82	5/19/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-O-5-82	5/19/2005	Metals	Nickel	mg/l	0.2	0.1		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-5-82	5/19/2005	Metals	Potassium	mg/l	29			
AA-O-5-82	5/19/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-O-5-82	5/19/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-O-5-82	5/19/2005	Metals	Sodium	mg/l	16			
AA-O-5-82	5/19/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-O-5-82	5/19/2005	Metals	Vanadium	mg/l	0.095	0.049		
AA-O-5-82	5/19/2005	Metals	Zinc	mg/l	3.7	5		
AA-O-5-82	5/19/2005	Other	Ammonia	mg/l	0.38			
AA-O-5-102	5/20/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-O-5-102	5/20/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-O-5-102	5/20/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-O-5-102	5/20/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-O-5-102	5/20/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-O-5-102	5/20/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-O-5-102	5/20/2005	VOCs	1,2-Dichloroethene (total)	ug/L	1.7		J	
AA-O-5-102	5/20/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-O-5-102	5/20/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-O-5-102	5/20/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-O-5-102	5/20/2005	VOCs	Acetone	ug/L	25	6300	U	
AA-O-5-102	5/20/2005	VOCs	Benzene	ug/L	1	5	U	
AA-O-5-102	5/20/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-O-5-102	5/20/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-O-5-102	5/20/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-O-5-102	5/20/2005	VOCs	Carbon Disulfide	ug/L	1	700	U	
AA-O-5-102	5/20/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-O-5-102	5/20/2005	VOCs	Chlorobenzene	ug/L	270	100		
AA-O-5-102	5/20/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-O-5-102	5/20/2005	VOCs	Chloroethane	ug/L	1		U	
AA-O-5-102	5/20/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-O-5-102	5/20/2005	VOCs	Chloromethane	ug/L	1		U	
AA-O-5-102	5/20/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-O-5-102	5/20/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-O-5-102	5/20/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-O-5-102	5/20/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-O-5-102	5/20/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-O-5-102	5/20/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-O-5-102	5/20/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-O-5-102	5/20/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-O-5-102	5/20/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-O-5-102	5/20/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-O-5-102	5/20/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-O-5-102	5/20/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.5	70	U	
AA-O-5-102	5/20/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.5	600	U	
AA-O-5-102	5/20/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.5	75	U	
AA-O-5-102	5/20/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.5	700	U	
AA-O-5-102	5/20/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.5	10	U	
AA-O-5-102	5/20/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.5	21	U	
AA-O-5-102	5/20/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.5	140	U	
AA-O-5-102	5/20/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	14	U	
AA-O-5-102	5/20/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.5	0.02	U	
AA-O-5-102	5/20/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.5	0.31	U	
AA-O-5-102	5/20/2005	SVOCs	2-Chloronaphthalene	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	2-Chlorophenol	ug/L	7.5	35	J	J
AA-O-5-102	5/20/2005	SVOCs	2-Methylnaphthalene	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.5	350	U	
AA-O-5-102	5/20/2005	SVOCs	2-Nitroaniline	ug/L	48		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-5-102	5/20/2005	SVOCs	2-Nitrophenol	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-O-5-102	5/20/2005	SVOCs	3-Nitroaniline	ug/L	48		U	
AA-O-5-102	5/20/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48		U	
AA-O-5-102	5/20/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	4-Nitrophenol	ug/L	48		U	
AA-O-5-102	5/20/2005	SVOCs	Acenaphthene	ug/L	9.5	420	U	
AA-O-5-102	5/20/2005	SVOCs	Acenaphthylene	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	Anthracene	ug/L	9.5	2100	U	
AA-O-5-102	5/20/2005	SVOCs	Benzo(a)anthracene	ug/L	9.5	0.13	U	
AA-O-5-102	5/20/2005	SVOCs	Benzo(a)pyrene	ug/L	9.5	0.2	U	
AA-O-5-102	5/20/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.5	0.18	U	
AA-O-5-102	5/20/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.5	0.17	U	
AA-O-5-102	5/20/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.5	1400	U	
AA-O-5-102	5/20/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.5	10	U	
AA-O-5-102	5/20/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.5	6	U	
AA-O-5-102	5/20/2005	SVOCs	Carbazole	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	Chrysene	ug/L	9.5	1.5	U	
AA-O-5-102	5/20/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.5	0.3	U	
AA-O-5-102	5/20/2005	SVOCs	Dibenzofuran	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	Diethyl Phthalate	ug/L	9.5	5600	U	
AA-O-5-102	5/20/2005	SVOCs	Dimethyl Phthalate	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	Di-n-butylphthalate	ug/L	9.5	700	U	
AA-O-5-102	5/20/2005	SVOCs	Di-n-octylphthalate	ug/L	9.5	140	U	
AA-O-5-102	5/20/2005	SVOCs	Dinoseb	ug/L	9.5	7	U	
AA-O-5-102	5/20/2005	SVOCs	Fluoranthene	ug/L	9.5	280	U	
AA-O-5-102	5/20/2005	SVOCs	Fluorene	ug/L	9.5	280	U	
AA-O-5-102	5/20/2005	SVOCs	Hexachlorobenzene	ug/L	9.5	0.06	U	
AA-O-5-102	5/20/2005	SVOCs	Hexachlorobutadiene	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.5	50	U	
AA-O-5-102	5/20/2005	SVOCs	Hexachloroethane	ug/L	9.5	7	U	
AA-O-5-102	5/20/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.5	0.43	U	
AA-O-5-102	5/20/2005	SVOCs	Isophorone	ug/L	9.5	1400	U	
AA-O-5-102	5/20/2005	SVOCs	Naphthalene	ug/L	9.5	140	U	
AA-O-5-102	5/20/2005	SVOCs	Nitrobenzene	ug/L	9.5	3.5	U	
AA-O-5-102	5/20/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.5	1.8	U	
AA-O-5-102	5/20/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.5	3.2	U	
AA-O-5-102	5/20/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-O-5-102	5/20/2005	SVOCs	Phenanthrene	ug/L	9.5		U	
AA-O-5-102	5/20/2005	SVOCs	Phenol	ug/L	9.5	100	U	
AA-O-5-102	5/20/2005	SVOCs	P-Nitroaniline	ug/L	48		U	
AA-O-5-102	5/20/2005	SVOCs	Pyrene	ug/L	9.5	210	U	
AA-O-5-102	5/20/2005	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-O-5-102	5/20/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-O-5-102	5/20/2005	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-O-5-102	5/20/2005	Herbicides	2,4-DB	ug/L	0.48		U	
AA-O-5-102	5/20/2005	Herbicides	Dalapon	ug/L	9.6	200	U	
AA-O-5-102	5/20/2005	Herbicides	Dicamba	ug/L	0.48		U	
AA-O-5-102	5/20/2005	Herbicides	Dichlorprop	ug/L	0.036		J	
AA-O-5-102	5/20/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-O-5-102	5/20/2005	Herbicides	MCPP	ug/L	120		U	
AA-O-5-102	5/20/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-O-5-102	5/20/2005	Metals	Aluminum	mg/l	9			

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-O-5-102	5/20/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-O-5-102	5/20/2005	Metals	Arsenic	mg/l	0.013	0.05		
AA-O-5-102	5/20/2005	Metals	Barium	mg/l	0.41	2		
AA-O-5-102	5/20/2005	Metals	Beryllium	mg/l	0.0008	0.004	J	
AA-O-5-102	5/20/2005	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-O-5-102	5/20/2005	Metals	Calcium	mg/l	180			
AA-O-5-102	5/20/2005	Metals	Chromium	mg/l	0.044	0.1		
AA-O-5-102	5/20/2005	Metals	Cobalt	mg/l	0.012	1		
AA-O-5-102	5/20/2005	Metals	Copper	mg/l	0.034	0.65		
AA-O-5-102	5/20/2005	Metals	Iron	mg/l	62	5		
AA-O-5-102	5/20/2005	Metals	Lead	mg/l	0.022	0.0075		
AA-O-5-102	5/20/2005	Metals	Magnesium	mg/l	43			
AA-O-5-102	5/20/2005	Metals	Manganese	mg/l	2.4	0.15		
AA-O-5-102	5/20/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-O-5-102	5/20/2005	Metals	Nickel	mg/l	0.04	0.1		
AA-O-5-102	5/20/2005	Metals	Potassium	mg/l	21			
AA-O-5-102	5/20/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-O-5-102	5/20/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-O-5-102	5/20/2005	Metals	Sodium	mg/l	25			
AA-O-5-102	5/20/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-O-5-102	5/20/2005	Metals	Vanadium	mg/l	0.036	0.049		
AA-O-5-102	5/20/2005	Metals	Zinc	mg/l	0.35	5		
AA-O-5-102	5/20/2005	Other	Ammonia	mg/l	1.7			
GM-19C	7/14/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GM-19C	7/14/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GM-19C	7/14/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GM-19C	7/14/2005	VOCs	1,1-Dichloroethane	ug/L	1.2	700		
GM-19C	7/14/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GM-19C	7/14/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GM-19C	7/14/2005	VOCs	1,2-Dichloroethene (total)	ug/L	1.4		J	
GM-19C	7/14/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GM-19C	7/14/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
GM-19C	7/14/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GM-19C	7/14/2005	VOCs	Acetone	ug/L	25	6300	U	
GM-19C	7/14/2005	VOCs	Benzene	ug/L	11	5		
GM-19C	7/14/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GM-19C	7/14/2005	VOCs	Bromoform	ug/L	1	1	U	
GM-19C	7/14/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
GM-19C	7/14/2005	VOCs	Carbon Disulfide	ug/L	1	700	U	
GM-19C	7/14/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GM-19C	7/14/2005	VOCs	Chlorobenzene	ug/L	1800	100	D	
GM-19C	7/14/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GM-19C	7/14/2005	VOCs	Chloroethane	ug/L	1		U	
GM-19C	7/14/2005	VOCs	Chloroform	ug/L	1	0.2	U	
GM-19C	7/14/2005	VOCs	Chloromethane	ug/L	1		U	
GM-19C	7/14/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GM-19C	7/14/2005	VOCs	Dichloromethane	ug/L	5	5	U	
GM-19C	7/14/2005	VOCs	Ethane	ug/L	1.5			
GM-19C	7/14/2005	VOCs	Ethene	ug/L	0.33		U	
GM-19C	7/14/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
GM-19C	7/14/2005	VOCs	Methane	ug/L	86			
GM-19C	7/14/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GM-19C	7/14/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GM-19C	7/14/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
GM-19C	7/14/2005	VOCs	Toluene	ug/L	1	1000	U	
GM-19C	7/14/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GM-19C	7/14/2005	VOCs	Trichloroethene	ug/L	1	5	U	
GM-19C	7/14/2005	VOCs	Vinyl chloride	ug/L	3.2	2		

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GM-19C	7/14/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
GM-19C	7/14/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	UJ
GM-19C	7/14/2005	SVOCs	1,2-Dichlorobenzene	ug/L	6.3	600	J	J
GM-19C	7/14/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.6		J	J
GM-19C	7/14/2005	SVOCs	1,4-Dichlorobenzene	ug/L	260	75		
GM-19C	7/14/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	UJ
GM-19C	7/14/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	UJ
GM-19C	7/14/2005	SVOCs	2,4-Dichlorophenol	ug/L	6.8	21	J	J
GM-19C	7/14/2005	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	UJ
GM-19C	7/14/2005	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GM-19C	7/14/2005	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	UJ
GM-19C	7/14/2005	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	UJ
GM-19C	7/14/2005	SVOCs	2-Chloronaphthalene	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	2-Chlorophenol	ug/L	25	35		J
GM-19C	7/14/2005	SVOCs	2-Methylnaphthalene	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	UJ
GM-19C	7/14/2005	SVOCs	2-Nitroaniline	ug/L	50		U	UJ
GM-19C	7/14/2005	SVOCs	2-Nitrophenol	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	3 & 4 Methylphenol	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	UJ
GM-19C	7/14/2005	SVOCs	3-Nitroaniline	ug/L	50		U	UJ
GM-19C	7/14/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	UJ
GM-19C	7/14/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	4-Nitrophenol	ug/L	50		U	UJ
GM-19C	7/14/2005	SVOCs	Acenaphthene	ug/L	10	420	U	UJ
GM-19C	7/14/2005	SVOCs	Acenaphthylene	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	Anthracene	ug/L	10	2100	U	UJ
GM-19C	7/14/2005	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	UJ
GM-19C	7/14/2005	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	UJ
GM-19C	7/14/2005	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	UJ
GM-19C	7/14/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	UJ
GM-19C	7/14/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	UJ
GM-19C	7/14/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	15			J
GM-19C	7/14/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	UJ
GM-19C	7/14/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	7.8	6	J	J
GM-19C	7/14/2005	SVOCs	Carbazole	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	Chrysene	ug/L	10	1.5	U	UJ
GM-19C	7/14/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	UJ
GM-19C	7/14/2005	SVOCs	Dibenzofuran	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	UJ
GM-19C	7/14/2005	SVOCs	Dimethyl Phthalate	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	UJ
GM-19C	7/14/2005	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	UJ
GM-19C	7/14/2005	SVOCs	Dinoseb	ug/L	10	7	U	UJ
GM-19C	7/14/2005	SVOCs	Fluoranthene	ug/L	10	280	U	UJ
GM-19C	7/14/2005	SVOCs	Fluorene	ug/L	10	280	U	UJ
GM-19C	7/14/2005	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	UJ
GM-19C	7/14/2005	SVOCs	Hexachlorobutadiene	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	UJ
GM-19C	7/14/2005	SVOCs	Hexachloroethane	ug/L	10	7	U	UJ
GM-19C	7/14/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	UJ
GM-19C	7/14/2005	SVOCs	Isophorone	ug/L	10	1400	U	UJ
GM-19C	7/14/2005	SVOCs	Naphthalene	ug/L	15	140		J
GM-19C	7/14/2005	SVOCs	Nitrobenzene	ug/L	10	3.5	U	UJ

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GM-19C	7/14/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	UJ
GM-19C	7/14/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	UJ
GM-19C	7/14/2005	SVOCs	P-Chloroaniline	ug/L	4.1	28	J	J
GM-19C	7/14/2005	SVOCs	Phenanthrene	ug/L	10		U	UJ
GM-19C	7/14/2005	SVOCs	Phenol	ug/L	10	100	U	UJ
GM-19C	7/14/2005	SVOCs	P-Nitroaniline	ug/L	50		U	UJ
GM-19C	7/14/2005	SVOCs	Pyrene	ug/L	10	210	U	UJ
GM-19C	7/14/2005	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GM-19C	7/14/2005	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GM-19C	7/14/2005	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GM-19C	7/14/2005	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GM-19C	7/14/2005	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GM-19C	7/14/2005	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GM-19C	7/14/2005	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GM-19C	7/14/2005	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GM-19C	7/14/2005	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GM-19C	7/14/2005	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GM-19C	7/14/2005	Pesticides	4,4'-DDD	ug/L	0.097	14	U	UJ
GM-19C	7/14/2005	Pesticides	4,4'-DDE	ug/L	0.097	10	U	UJ
GM-19C	7/14/2005	Pesticides	4,4'-DDT	ug/L	0.097	6	U	UJ
GM-19C	7/14/2005	Pesticides	Aldrin	ug/L	0.049	14	U	UJ
GM-19C	7/14/2005	Pesticides	alpha-BHC	ug/L	0.049	0.11	U	UJ
GM-19C	7/14/2005	Pesticides	alpha-Chlordane	ug/L	0.049		U	UJ
GM-19C	7/14/2005	Pesticides	beta-BHC	ug/L	0.049		U	UJ
GM-19C	7/14/2005	Pesticides	delta-BHC	ug/L	0.049		U	UJ
GM-19C	7/14/2005	Pesticides	Dieldrin	ug/L	0.097	9	U	UJ
GM-19C	7/14/2005	Pesticides	Endosulfan I	ug/L	0.049	42	U	UJ
GM-19C	7/14/2005	Pesticides	Endosulfan II	ug/L	0.097	42	U	UJ
GM-19C	7/14/2005	Pesticides	Endosulfan Sulfate	ug/L	0.097		U	UJ
GM-19C	7/14/2005	Pesticides	Endrin	ug/L	0.097	2	U	UJ
GM-19C	7/14/2005	Pesticides	Endrin Aldehyde	ug/L	0.097		U	UJ
GM-19C	7/14/2005	Pesticides	Endrin Ketone	ug/L	0.097		U	UJ
GM-19C	7/14/2005	Pesticides	gamma-BHC (Lindane)	ug/L	0.049	0.2	U	UJ
GM-19C	7/14/2005	Pesticides	gamma-Chlordane	ug/L	0.049		U	UJ
GM-19C	7/14/2005	Pesticides	Heptachlor	ug/L	0.049	0.4	U	UJ
GM-19C	7/14/2005	Pesticides	Heptachlor Epoxide	ug/L	0.049	0.2	U	UJ
GM-19C	7/14/2005	Pesticides	Methoxychlor	ug/L	0.49	40	U	UJ
GM-19C	7/14/2005	Pesticides	Toxaphene	ug/L	4.9	3	U	UJ
GM-19C	7/14/2005	Herbicides	2,4,5-T	ug/L	0.093		JP	
GM-19C	7/14/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
GM-19C	7/14/2005	Herbicides	2,4-D	ug/L	0.49	70	U	
GM-19C	7/14/2005	Herbicides	2,4-DB	ug/L	0.49		U	
GM-19C	7/14/2005	Herbicides	Dalapon	ug/L	9.7	200	U	
GM-19C	7/14/2005	Herbicides	Dicamba	ug/L	0.49		U	
GM-19C	7/14/2005	Herbicides	Dichlorprop	ug/L	0.17		JP	
GM-19C	7/14/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GM-19C	7/14/2005	Herbicides	MCPP	ug/L	120		U	
GM-19C	7/14/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
GM-19C	7/14/2005	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.00077			
GM-19C	7/14/2005	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.000057			
GM-19C	7/14/2005	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000052		U	
GM-19C	7/14/2005	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000061		U	
GM-19C	7/14/2005	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000052		U	
GM-19C	7/14/2005	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000056		U	
GM-19C	7/14/2005	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000048		U	
GM-19C	7/14/2005	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000054		U	
GM-19C	7/14/2005	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000056		U	
GM-19C	7/14/2005	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.000005		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GM-19C	7/14/2005	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000065		U	
GM-19C	7/14/2005	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000052		U	
GM-19C	7/14/2005	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000051		U	
GM-19C	7/14/2005	Dioxins	2,3,7,8-TCDD	ug/L	0.0000036		U	
GM-19C	7/14/2005	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000031		U	
GM-19C	7/14/2005	Dioxins	OCDD	ug/L	0.026			
GM-19C	7/14/2005	Dioxins	OCDF	ug/L	0.00053			
GM-19C	7/14/2005	Dioxins	Total HpCDD	ug/L	0.0014			
GM-19C	7/14/2005	Dioxins	Total HpCDF	ug/L	0.00027			
GM-19C	7/14/2005	Dioxins	Total HxCDD	ug/L	0.00015			
GM-19C	7/14/2005	Dioxins	Total HxCDF	ug/L	0.000086			
GM-19C	7/14/2005	Dioxins	Total PeCDD	ug/L	0.000052			
GM-19C	7/14/2005	Dioxins	Total PeCDF	ug/L	0.0000051		U	
GM-19C	7/14/2005	Dioxins	Total TCDD	ug/L	0.0000036		U	
GM-19C	7/14/2005	Dioxins	Total TCDF	ug/L	0.0000038		U	
GM-19C	7/14/2005	Metals	Aluminum	mg/l	0.18		J	
GM-19C	7/14/2005	Metals	Antimony	mg/l	0.02	0.006	U	
GM-19C	7/14/2005	Metals	Arsenic	mg/l	0.01	0.05	U	
GM-19C	7/14/2005	Metals	Barium	mg/l	0.11	2		
GM-19C	7/14/2005	Metals	Beryllium	mg/l	0.004	0.004	U	
GM-19C	7/14/2005	Metals	Cadmium	mg/l	0.005	0.005	U	
GM-19C	7/14/2005	Metals	Calcium	mg/l	280			
GM-19C	7/14/2005	Metals	Chromium	mg/l	0.036	0.1		U
GM-19C	7/14/2005	Metals	Cobalt	mg/l	0.01	1	U	
GM-19C	7/14/2005	Metals	Copper	mg/l	0.0022	0.65	J	
GM-19C	7/14/2005	Metals	Iron	mg/l	34	5		
GM-19C	7/14/2005	Metals	Lead	mg/l	0.005	0.0075	U	
GM-19C	7/14/2005	Metals	Magnesium	mg/l	56			
GM-19C	7/14/2005	Metals	Manganese	mg/l	1.1	0.15		
GM-19C	7/14/2005	Metals	Mercury	mg/l	0.0002	2	U	
GM-19C	7/14/2005	Metals	Nickel	mg/l	0.02	0.1	J	
GM-19C	7/14/2005	Metals	Potassium	mg/l	14			
GM-19C	7/14/2005	Metals	Selenium	mg/l	0.01	0.05	U	
GM-19C	7/14/2005	Metals	Silver	mg/l	0.01	0.05	U	
GM-19C	7/14/2005	Metals	Sodium	mg/l	57			
GM-19C	7/14/2005	Metals	Thallium	mg/l	0.025	0.002	U	
GM-19C	7/14/2005	Metals	Vanadium	mg/l	0.0019	0.049	J	
GM-19C	7/14/2005	Metals	Zinc	mg/l	0.01	5	J	
GM-19C	7/14/2005	Other	Alkalinity	mg/l	580			
GM-19C	7/14/2005	Other	Ammonia	mg/l	1.8			
GM-19C	7/14/2005	Other	Carbon Dioxide	mg/l	140			
GM-19C	7/14/2005	Other	Chloride	mg/l	120	200		
GM-19C	7/14/2005	Other	Nitrogen, Nitrate	mg/l	0.05	10	U	
GM-19C	7/14/2005	Other	Nitrogen, Nitrate Nitrite	mg/l	0.05		U	
GM-19C	7/14/2005	Other	Nitrogen, Nitrite	mg/l	0.05		U	
GM-19C	7/14/2005	Other	Sulfate as SO4	mg/l	330	400		
GM-19C	7/14/2005	Other	Total Organic Carbon	mg/l	5.5			
GM-20B	8/4/2005	VOCs	1,1,1-Trichloroethane	ug/L	50	200	U	
GM-20B	8/4/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	50		U	
GM-20B	8/4/2005	VOCs	1,1,2-Trichloroethane	ug/L	50	5	U	
GM-20B	8/4/2005	VOCs	1,1-Dichloroethane	ug/L	39	700	J	
GM-20B	8/4/2005	VOCs	1,1-Dichloroethylene	ug/L	50	7	U	
GM-20B	8/4/2005	VOCs	1,2-Dichloroethane	ug/L	50	5	U	
GM-20B	8/4/2005	VOCs	1,2-Dichloroethene (total)	ug/L	100		U	
GM-20B	8/4/2005	VOCs	1,2-Dichloropropane	ug/L	50	5	U	
GM-20B	8/4/2005	VOCs	2-Butanone (MEK)	ug/L	500		U	
GM-20B	8/4/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	500		U	
GM-20B	8/4/2005	VOCs	Acetone	ug/L	1300	6300	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GM-20B	8/4/2005	VOCs	Benzene	ug/L	230	5		
GM-20B	8/4/2005	VOCs	Bromodichloromethane	ug/L	50	0.2	U	
GM-20B	8/4/2005	VOCs	Bromoform	ug/L	50	1	U	
GM-20B	8/4/2005	VOCs	Bromomethane	ug/L	50	9.8	U	
GM-20B	8/4/2005	VOCs	Carbon Disulfide	ug/L	50	700	U	
GM-20B	8/4/2005	VOCs	Carbon Tetrachloride	ug/L	50	5	U	
GM-20B	8/4/2005	VOCs	Chlorobenzene	ug/L	5500	100		
GM-20B	8/4/2005	VOCs	Chlorodibromomethane	ug/L	50	140	U	
GM-20B	8/4/2005	VOCs	Chloroethane	ug/L	50		U	
GM-20B	8/4/2005	VOCs	Chloroform	ug/L	50	0.2	U	
GM-20B	8/4/2005	VOCs	Chloromethane	ug/L	50		U	
GM-20B	8/4/2005	VOCs	cis-1,3-Dichloropropene	ug/L	50		U	
GM-20B	8/4/2005	VOCs	Dichloromethane	ug/L	250	5	U	
GM-20B	8/4/2005	VOCs	Ethane	ug/L	3			
GM-20B	8/4/2005	VOCs	Ethene	ug/L	3.8			
GM-20B	8/4/2005	VOCs	Ethylbenzene	ug/L	50	700	U	
GM-20B	8/4/2005	VOCs	Methane	ug/L	4200			
GM-20B	8/4/2005	VOCs	Methyl N-Butyl Ketone	ug/L	500		U	
GM-20B	8/4/2005	VOCs	Styrene (Monomer)	ug/L	50	100	U	
GM-20B	8/4/2005	VOCs	Tetrachloroethene	ug/L	50	5	U	
GM-20B	8/4/2005	VOCs	Toluene	ug/L	50	1000	U	
GM-20B	8/4/2005	VOCs	trans-1,3-Dichloropropene	ug/L	50		U	
GM-20B	8/4/2005	VOCs	Trichloroethene	ug/L	50	5	U	
GM-20B	8/4/2005	VOCs	Vinyl chloride	ug/L	50	2	U	
GM-20B	8/4/2005	VOCs	Xylenes, Total	ug/L	100	10000	U	
GM-20B	8/4/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	
GM-20B	8/4/2005	SVOCs	1,2-Dichlorobenzene	ug/L	12	600		
GM-20B	8/4/2005	SVOCs	1,3-Dichlorobenzene	ug/L	19			
GM-20B	8/4/2005	SVOCs	1,4-Dichlorobenzene	ug/L	1300	75	D	
GM-20B	8/4/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	
GM-20B	8/4/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	
GM-20B	8/4/2005	SVOCs	2,4-Dichlorophenol	ug/L	11	21		
GM-20B	8/4/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	
GM-20B	8/4/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
GM-20B	8/4/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	
GM-20B	8/4/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	
GM-20B	8/4/2005	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	2-Chlorophenol	ug/L	30	35		
GM-20B	8/4/2005	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	
GM-20B	8/4/2005	SVOCs	2-Nitroaniline	ug/L	47		U	
GM-20B	8/4/2005	SVOCs	2-Nitrophenol	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	UJ
GM-20B	8/4/2005	SVOCs	3-Nitroaniline	ug/L	47		U	
GM-20B	8/4/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
GM-20B	8/4/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	4-Nitrophenol	ug/L	47		U	
GM-20B	8/4/2005	SVOCs	Acenaphthene	ug/L	9.4	420	U	
GM-20B	8/4/2005	SVOCs	Acenaphthylene	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	Anthracene	ug/L	9.4	2100	U	
GM-20B	8/4/2005	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	
GM-20B	8/4/2005	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	
GM-20B	8/4/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	
GM-20B	8/4/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GM-20B	8/4/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	
GM-20B	8/4/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	
GM-20B	8/4/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	
GM-20B	8/4/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	35	6		
GM-20B	8/4/2005	SVOCs	Carbazole	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	Chrysene	ug/L	9.4	1.5	U	
GM-20B	8/4/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	
GM-20B	8/4/2005	SVOCs	Dibenzofuran	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	Diethyl Phthalate	ug/L	9.4	5600	U	
GM-20B	8/4/2005	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	
GM-20B	8/4/2005	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	
GM-20B	8/4/2005	SVOCs	Dinoseb	ug/L	9.4	7	U	
GM-20B	8/4/2005	SVOCs	Fluoranthene	ug/L	9.4	280	U	
GM-20B	8/4/2005	SVOCs	Fluorene	ug/L	9.4	280	U	
GM-20B	8/4/2005	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	
GM-20B	8/4/2005	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	
GM-20B	8/4/2005	SVOCs	Hexachloroethane	ug/L	9.4	7	U	
GM-20B	8/4/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	
GM-20B	8/4/2005	SVOCs	Isophorone	ug/L	9.4	1400	U	
GM-20B	8/4/2005	SVOCs	Naphthalene	ug/L	22	140		
GM-20B	8/4/2005	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	
GM-20B	8/4/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	
GM-20B	8/4/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	
GM-20B	8/4/2005	SVOCs	P-Chloroaniline	ug/L	57	28		
GM-20B	8/4/2005	SVOCs	Phenanthrene	ug/L	9.4		U	
GM-20B	8/4/2005	SVOCs	Phenol	ug/L	9.4	100	U	
GM-20B	8/4/2005	SVOCs	P-Nitroaniline	ug/L	47		U	
GM-20B	8/4/2005	SVOCs	Pyrene	ug/L	9.4	210	U	
GM-20B	8/4/2005	PCBs	Decachlorobiphenyl	ug/L	0.47		U	
GM-20B	8/4/2005	PCBs	Dichlorobiphenyl	ug/L	0.094		U	
GM-20B	8/4/2005	PCBs	Heptachlorobiphenyl	ug/L	0.28		U	
GM-20B	8/4/2005	PCBs	Hexachlorobiphenyl	ug/L	0.19		U	
GM-20B	8/4/2005	PCBs	Monochlorobiphenyl	ug/L	0.094		U	
GM-20B	8/4/2005	PCBs	Nonachlorobiphenyl	ug/L	0.47		U	
GM-20B	8/4/2005	PCBs	Octachlorobiphenyl	ug/L	0.28		U	
GM-20B	8/4/2005	PCBs	Pentachlorobiphenyl	ug/L	0.19		U	
GM-20B	8/4/2005	PCBs	Tetrachlorobiphenyl	ug/L	0.19		U	
GM-20B	8/4/2005	PCBs	Trichlorobiphenyl	ug/L	0.094		U	
GM-20B	8/4/2005	Pesticides	4,4'-DDD	ug/L	0.096	14	U	
GM-20B	8/4/2005	Pesticides	4,4'-DDE	ug/L	0.096	10	U	
GM-20B	8/4/2005	Pesticides	4,4'-DDT	ug/L	0.096	6	U	
GM-20B	8/4/2005	Pesticides	Aldrin	ug/L	0.048	14	U	
GM-20B	8/4/2005	Pesticides	alpha-BHC	ug/L	0.048	0.11	U	
GM-20B	8/4/2005	Pesticides	alpha-Chlordane	ug/L	0.048		U	
GM-20B	8/4/2005	Pesticides	beta-BHC	ug/L	0.048		U	
GM-20B	8/4/2005	Pesticides	delta-BHC	ug/L	0.048		U	
GM-20B	8/4/2005	Pesticides	Dieldrin	ug/L	0.096	9	U	
GM-20B	8/4/2005	Pesticides	Endosulfan I	ug/L	0.048	42	U	
GM-20B	8/4/2005	Pesticides	Endosulfan II	ug/L	0.096	42	U	
GM-20B	8/4/2005	Pesticides	Endosulfan Sulfate	ug/L	0.096		U	
GM-20B	8/4/2005	Pesticides	Endrin	ug/L	0.096	2	U	
GM-20B	8/4/2005	Pesticides	Endrin Aldehyde	ug/L	0.096		U	
GM-20B	8/4/2005	Pesticides	Endrin Ketone	ug/L	0.096		U	
GM-20B	8/4/2005	Pesticides	gamma-BHC (Lindane)	ug/L	0.048	0.2	U	
GM-20B	8/4/2005	Pesticides	gamma-Chlordane	ug/L	0.048		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GM-20B	8/4/2005	Pesticides	Heptachlor	ug/L	0.048	0.4	U	
GM-20B	8/4/2005	Pesticides	Heptachlor Epoxide	ug/L	0.048	0.2	U	
GM-20B	8/4/2005	Pesticides	Methoxychlor	ug/L	0.48	40	U	
GM-20B	8/4/2005	Pesticides	Toxaphene	ug/L	4.8	3	U	
GM-20B	8/4/2005	Herbicides	2,4,5-T	ug/L	0.49		U	
GM-20B	8/4/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.12	50	J	
GM-20B	8/4/2005	Herbicides	2,4-D	ug/L	0.49	70	U	
GM-20B	8/4/2005	Herbicides	2,4-DB	ug/L	0.49		U	
GM-20B	8/4/2005	Herbicides	Dalapon	ug/L	9.7	200	U	
GM-20B	8/4/2005	Herbicides	Dicamba	ug/L	0.49		U	
GM-20B	8/4/2005	Herbicides	Dichlorprop	ug/L	0.49		U	
GM-20B	8/4/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GM-20B	8/4/2005	Herbicides	MCPP	ug/L	120		U	
GM-20B	8/4/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
GM-20B	8/4/2005	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.000024		U	
GM-20B	8/4/2005	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.000015		U	
GM-20B	8/4/2005	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000036		U	
GM-20B	8/4/2005	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000044		U	
GM-20B	8/4/2005	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000066		U	
GM-20B	8/4/2005	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000037		U	
GM-20B	8/4/2005	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000039		U	
GM-20B	8/4/2005	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000039		U	
GM-20B	8/4/2005	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000042		U	
GM-20B	8/4/2005	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.000004		U	
GM-20B	8/4/2005	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.000007		U	
GM-20B	8/4/2005	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000039		U	
GM-20B	8/4/2005	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000041		U	
GM-20B	8/4/2005	Dioxins	2,3,7,8-TCDD	ug/L	0.0000032		U	
GM-20B	8/4/2005	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000031		U	
GM-20B	8/4/2005	Dioxins	OCDD	ug/L	0.00029			
GM-20B	8/4/2005	Dioxins	OCDF	ug/L	0.000021		U	
GM-20B	8/4/2005	Dioxins	Total HpCDD	ug/L	0.000033			
GM-20B	8/4/2005	Dioxins	Total HpCDF	ug/L	0.000015		U	
GM-20B	8/4/2005	Dioxins	Total HxCDD	ug/L	0.0000044		U	
GM-20B	8/4/2005	Dioxins	Total HxCDF	ug/L	0.0000066		U	
GM-20B	8/4/2005	Dioxins	Total PeCDD	ug/L	0.000007		U	
GM-20B	8/4/2005	Dioxins	Total PeCDF	ug/L	0.0000041		U	
GM-20B	8/4/2005	Dioxins	Total TCDD	ug/L	0.0000032		U	
GM-20B	8/4/2005	Dioxins	Total TCDF	ug/L	0.0000031		U	
GM-20B	8/4/2005	Metals	Aluminum	mg/l	0.29			
GM-20B	8/4/2005	Metals	Antimony	mg/l	0.02	0.006	U	
GM-20B	8/4/2005	Metals	Arsenic	mg/l	0.01	0.05	U	
GM-20B	8/4/2005	Metals	Barium	mg/l	0.13	2		
GM-20B	8/4/2005	Metals	Beryllium	mg/l	0.004	0.004	U	
GM-20B	8/4/2005	Metals	Cadmium	mg/l	0.005	0.005	U	
GM-20B	8/4/2005	Metals	Calcium	mg/l	190			
GM-20B	8/4/2005	Metals	Chromium	mg/l	0.014	0.1		
GM-20B	8/4/2005	Metals	Cobalt	mg/l	0.01	1	U	
GM-20B	8/4/2005	Metals	Copper	mg/l	0.0061	0.65	J	
GM-20B	8/4/2005	Metals	Iron	mg/l	43	5		
GM-20B	8/4/2005	Metals	Lead	mg/l	0.0054	0.0075		
GM-20B	8/4/2005	Metals	Magnesium	mg/l	47			
GM-20B	8/4/2005	Metals	Manganese	mg/l	1.1	0.15		
GM-20B	8/4/2005	Metals	Mercury	mg/l	0.0002	2	U	
GM-20B	8/4/2005	Metals	Nickel	mg/l	0.0089	0.1	J	
GM-20B	8/4/2005	Metals	Potassium	mg/l	9.6			
GM-20B	8/4/2005	Metals	Selenium	mg/l	0.01	0.05	U	
GM-20B	8/4/2005	Metals	Silver	mg/l	0.01	0.05	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GM-20B	8/4/2005	Metals	Sodium	mg/l	85			
GM-20B	8/4/2005	Metals	Thallium	mg/l	0.025	0.002	U	
GM-20B	8/4/2005	Metals	Vanadium	mg/l	0.0016	0.049	J	
GM-20B	8/4/2005	Metals	Zinc	mg/l	0.031	5		
GM-20B	8/4/2005	Other	Alkalinity	mg/l	570			
GM-20B	8/4/2005	Other	Ammonia	mg/l	1.1		B	
GM-20B	8/4/2005	Other	Carbon Dioxide	mg/l	160			
GM-20B	8/4/2005	Other	Chloride	mg/l	100	200		
GM-20B	8/4/2005	Other	Nitrogen, Nitrate	mg/l	0.031	10	J	
GM-20B	8/4/2005	Other	Nitrogen, Nitrate Nitrite	mg/l	0.031		J	
GM-20B	8/4/2005	Other	Nitrogen, Nitrite	mg/l	0.05		U	
GM-20B	8/4/2005	Other	Sulfate as SO4	mg/l	150	400		
GM-20B	8/4/2005	Other	Total Organic Carbon	mg/l	8.7			
SITE P								
GW-AA-P-1-84FT	7/9/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-P-1-84FT	7/9/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-P-1-84FT	7/9/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Chlorobenzene	ug/L	12	100		
GW-AA-P-1-84FT	7/9/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-P-1-84FT	7/9/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-P-1-84FT	7/9/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-84FT	7/9/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Pentachlorophenol	ug/L	5.9	1	J	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-1-84FT	7/9/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-P-1-94FT	7/10/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-94FT	7/10/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-P-1-94FT	7/10/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Chlorobenzene	ug/L	4.8	100		
GW-AA-P-1-94FT	7/10/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Chloromethane	ug/L	0.53		J	
GW-AA-P-1-94FT	7/10/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-P-1-94FT	7/10/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Anthracene	ug/L	10	2100	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-94FT	7/10/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-1-94FT	7/10/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	1,1,1-Trichloroethane	ug/L	25	200	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	25		U	
GW-AA-P-1-104FT	7/10/2002	VOCs	1,1,2-Trichloroethane	ug/L	25	5	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	1,1-Dichloroethane	ug/L	25	700	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	1,1-Dichloroethylene	ug/L	25	7	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	1,2-Dichloroethane	ug/L	25	5	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	1,2-Dichloroethene (total)	ug/L	50		U	
GW-AA-P-1-104FT	7/10/2002	VOCs	1,2-Dichloropropane	ug/L	25	5	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	2-Butanone (MEK)	ug/L	250		U	
GW-AA-P-1-104FT	7/10/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	250		U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Acetone	ug/L	620	6300	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Benzene	ug/L	190	5		
GW-AA-P-1-104FT	7/10/2002	VOCs	Bromodichloromethane	ug/L	25	0.2	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Bromoform	ug/L	25	1	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Bromomethane	ug/L	25	9.8	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Carbon Disulfide	ug/L	25	700	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Carbon Tetrachloride	ug/L	25	5	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Chlorobenzene	ug/L	4900	100		
GW-AA-P-1-104FT	7/10/2002	VOCs	Chlorodibromomethane	ug/L	25	140	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Chloroethane	ug/L	25		U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Chloroform	ug/L	25	0.2	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Chloromethane	ug/L	25		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-104FT	7/10/2002	VOCs	cis-1,3-Dichloropropene	ug/L	25		U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Dichloromethane	ug/L	120	5	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Ethylbenzene	ug/L	25	700	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Methyl N-Butyl Ketone	ug/L	250		U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Styrene (Monomer)	ug/L	25	100	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Tetrachloroethene	ug/L	25	5	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Toluene	ug/L	25	1000	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	trans-1,3-Dichloropropene	ug/L	25		U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Trichloroethene	ug/L	25	5	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Vinyl chloride	ug/L	25	2	U	
GW-AA-P-1-104FT	7/10/2002	VOCs	Xylenes, Total	ug/L	50	10000	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	20	70	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	1,2-Dichlorobenzene	ug/L	20	600	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	1,3-Dichlorobenzene	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	J	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	20	700	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	20	10	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2,4-Dichlorophenol	ug/L	20	21	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2,4-Dimethylphenol	ug/L	20	140	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2,4-Dinitrophenol	ug/L	100	14	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2,4-Dinitrotoluene	ug/L	20	0.02	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2,6-Dinitrotoluene	ug/L	20	0.31	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2-Chloronaphthalene	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2-Chlorophenol	ug/L	78	35		
GW-AA-P-1-104FT	7/10/2002	SVOCs	2-Methylnaphthalene	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	20	350	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2-Nitroaniline	ug/L	100		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	2-Nitrophenol	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	40	20	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	3-Nitroaniline	ug/L	100		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	100		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	4-Nitrophenol	ug/L	100		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Acenaphthene	ug/L	20	420	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Acenaphthylene	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Anthracene	ug/L	20	2100	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Benzo(a)anthracene	ug/L	20	0.13	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Benzo(a)pyrene	ug/L	20	0.2	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Benzo(b)fluoranthene	ug/L	20	0.18	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Benzo(k)fluoranthene	ug/L	20	0.17	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	20	1400	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	20	10	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	20	6	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Carbazole	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Chrysene	ug/L	20	1.5	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	4.2	0.3	J	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Dibenzofuran	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Diethyl Phthalate	ug/L	20	5600	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Dimethyl Phthalate	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Di-n-butylphthalate	ug/L	20	700	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Di-n-octylphthalate	ug/L	20	140	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Dinoseb	ug/L	20	7	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-104FT	7/10/2002	SVOCs	Fluoranthene	ug/L	20	280	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Fluorene	ug/L	20	280	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Hexachlorobenzene	ug/L	20	0.06	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Hexachlorobutadiene	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	20	50	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Hexachloroethane	ug/L	20	7	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	20	0.43	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Isophorone	ug/L	20	1400	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Naphthalene	ug/L	39	140		
GW-AA-P-1-104FT	7/10/2002	SVOCs	Nitrobenzene	ug/L	20	3.5	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	20	1.8	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	20	3.2	U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	P-Chloroaniline	ug/L	24	28	J	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Phenanthrene	ug/L	20		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Phenol	ug/L	14	100	J	
GW-AA-P-1-104FT	7/10/2002	SVOCs	P-Nitroaniline	ug/L	100		U	
GW-AA-P-1-104FT	7/10/2002	SVOCs	Pyrene	ug/L	20	210	U	
GW-AA-P-1-104FT	7/10/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-1-104FT	7/10/2002	PCBs	Dichlorobiphenyl	ug/L	0.02		J	
GW-AA-P-1-104FT	7/10/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-1-104FT	7/10/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-1-104FT	7/10/2002	PCBs	Monochlorobiphenyl	ug/L	0.05		J	
GW-AA-P-1-104FT	7/10/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-1-104FT	7/10/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-1-104FT	7/10/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-1-104FT	7/10/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-1-104FT	7/10/2002	PCBs	Trichlorobiphenyl	ug/L	0.04		J	
GW-AA-P-1-104FT	7/10/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	alpha-Chlordane	ug/L	0.0072		JP	J
GW-AA-P-1-104FT	7/10/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-P-1-104FT	7/10/2002	Pesticides	Endrin	ug/L	0.1	2	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-P-1-104FT	7/10/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-P-1-104FT	7/10/2002	Herbicides	2,4,5-T	ug/L	0.5		JB	U
GW-AA-P-1-104FT	7/10/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-P-1-104FT	7/10/2002	Herbicides	2,4-D	ug/L	0.55	70	U	U
GW-AA-P-1-104FT	7/10/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-P-1-104FT	7/10/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-P-1-104FT	7/10/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-P-1-104FT	7/10/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-P-1-104FT	7/10/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-P-1-104FT	7/10/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-P-1-104FT	7/10/2002	Herbicides	Pentachlorophenol	ug/L	4.7	1	B	J

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-104FT	7/10/2002	Metals	Aluminum	mg/l	0.36			
GW-AA-P-1-104FT	7/10/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-P-1-104FT	7/10/2002	Metals	Arsenic	mg/l	0.01	0.05	U	UJ
GW-AA-P-1-104FT	7/10/2002	Metals	Barium	mg/l	0.59	2		
GW-AA-P-1-104FT	7/10/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-P-1-104FT	7/10/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-P-1-104FT	7/10/2002	Metals	Calcium	mg/l	200			
GW-AA-P-1-104FT	7/10/2002	Metals	Chromium	mg/l	0.011	0.1		
GW-AA-P-1-104FT	7/10/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-P-1-104FT	7/10/2002	Metals	Copper	mg/l	0.012	0.65	B	
GW-AA-P-1-104FT	7/10/2002	Metals	Iron	mg/l	26	5		
GW-AA-P-1-104FT	7/10/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-P-1-104FT	7/10/2002	Metals	Magnesium	mg/l	49			
GW-AA-P-1-104FT	7/10/2002	Metals	Manganese	mg/l	0.7	0.15		
GW-AA-P-1-104FT	7/10/2002	Metals	Mercury	mg/l	0.000074	2	B	
GW-AA-P-1-104FT	7/10/2002	Metals	Nickel	mg/l	0.018	0.1	B	
GW-AA-P-1-104FT	7/10/2002	Metals	Potassium	mg/l	24			
GW-AA-P-1-104FT	7/10/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-P-1-104FT	7/10/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-P-1-104FT	7/10/2002	Metals	Sodium	mg/l	230			
GW-AA-P-1-104FT	7/10/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-P-1-104FT	7/10/2002	Metals	Vanadium	mg/l	0.0021	0.049	B	
GW-AA-P-1-104FT	7/10/2002	Metals	Zinc	mg/l	0.08	5		
GW-AA-P-1-104FT	7/10/2002	Other	Alkalinity, Total (as CACO3)	mg/l	570			
GW-AA-P-1-104FT	7/10/2002	Other	Carbon Dioxide	mg/l	54			
GW-AA-P-1-104FT	7/10/2002	Other	Methane	ug/L	180			J
GW-AA-P-1-104FT	7/10/2002	Other	Nitrate-N	mg/l	0.05	10	U	UJ
GW-AA-P-1-104FT	7/10/2002	Other	Sulfate as SO4	mg/l	48	400		
GW-AA-P-1-114FT	7/10/2002	VOCs	1,1,1-Trichloroethane	ug/L	25	200	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	25		U	
GW-AA-P-1-114FT	7/10/2002	VOCs	1,1,2-Trichloroethane	ug/L	25	5	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	1,1-Dichloroethane	ug/L	25	700	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	1,1-Dichloroethylene	ug/L	25	7	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	1,2-Dichloroethane	ug/L	25	5	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	1,2-Dichloroethene (total)	ug/L	50		U	
GW-AA-P-1-114FT	7/10/2002	VOCs	1,2-Dichloropropane	ug/L	25	5	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	2-Butanone (MEK)	ug/L	250		U	
GW-AA-P-1-114FT	7/10/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	250		U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Acetone	ug/L	620	6300	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Benzene	ug/L	60	5		
GW-AA-P-1-114FT	7/10/2002	VOCs	Bromodichloromethane	ug/L	25	0.2	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Bromoform	ug/L	25	1	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Bromomethane	ug/L	25	9.8	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Carbon Disulfide	ug/L	25	700	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Carbon Tetrachloride	ug/L	25	5	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Chlorobenzene	ug/L	4600	100		
GW-AA-P-1-114FT	7/10/2002	VOCs	Chlorodibromomethane	ug/L	25	140	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Chloroethane	ug/L	25		U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Chloroform	ug/L	25	0.2	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Chloromethane	ug/L	25		U	
GW-AA-P-1-114FT	7/10/2002	VOCs	cis-1,3-Dichloropropene	ug/L	25		U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Dichloromethane	ug/L	120	5	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Ethylbenzene	ug/L	25	700	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Methyl N-Butyl Ketone	ug/L	250		U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Styrene (Monomer)	ug/L	25	100	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Tetrachloroethene	ug/L	25	5	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Toluene	ug/L	25	1000	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	trans-1,3-Dichloropropene	ug/L	25		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-114FT	7/10/2002	VOCs	Trichloroethene	ug/L	25	5	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Vinyl chloride	ug/L	25	2	U	
GW-AA-P-1-114FT	7/10/2002	VOCs	Xylenes, Total	ug/L	50	10000	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	1,4-Dichlorobenzene	ug/L	9.8	75	J	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-P-1-114FT	7/10/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2-Chlorophenol	ug/L	46	35		
GW-AA-P-1-114FT	7/10/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Isophorone	ug/L	10	1400	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-114FT	7/10/2002	SVOCs	Naphthalene	ug/L	21	140		
GW-AA-P-1-114FT	7/10/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	P-Chloroaniline	ug/L	7.3	28	J	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Phenol	ug/L	3.4	100	J	
GW-AA-P-1-114FT	7/10/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-1-114FT	7/10/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	1,1,1-Trichloroethane	ug/L	10	200	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	VOCs	1,1,2-Trichloroethane	ug/L	10	5	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	1,1-Dichloroethane	ug/L	10	700	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	1,1-Dichloroethylene	ug/L	10	7	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	1,2-Dichloroethane	ug/L	10	5	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	1,2-Dichloroethene (total)	ug/L	20		U	
GW-AA-P-1-120FT	7/10/2002	VOCs	1,2-Dichloropropane	ug/L	10	5	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	2-Butanone (MEK)	ug/L	100		U	
GW-AA-P-1-120FT	7/10/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	100		U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Acetone	ug/L	250	6300	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Benzene	ug/L	77	5		
GW-AA-P-1-120FT	7/10/2002	VOCs	Bromodichloromethane	ug/L	10	0.2	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Bromoform	ug/L	10	1	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Bromomethane	ug/L	10	9.8	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Carbon Disulfide	ug/L	6.4	700	J	
GW-AA-P-1-120FT	7/10/2002	VOCs	Carbon Tetrachloride	ug/L	10	5	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Chlorobenzene	ug/L	2300	100	D	
GW-AA-P-1-120FT	7/10/2002	VOCs	Chlorodibromomethane	ug/L	10	140	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Chloroethane	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Chloroform	ug/L	10	0.2	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Chloromethane	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	VOCs	cis-1,3-Dichloropropene	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Dichloromethane	ug/L	50	5	J	U
GW-AA-P-1-120FT	7/10/2002	VOCs	Ethylbenzene	ug/L	10	700	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Methyl N-Butyl Ketone	ug/L	100		U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Styrene (Monomer)	ug/L	10	100	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Tetrachloroethene	ug/L	10	5	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Toluene	ug/L	10	1000	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	trans-1,3-Dichloropropene	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Trichloroethene	ug/L	16	5		
GW-AA-P-1-120FT	7/10/2002	VOCs	Vinyl chloride	ug/L	10	2	U	
GW-AA-P-1-120FT	7/10/2002	VOCs	Xylenes, Total	ug/L	20	10000	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	1,4-Dichlorobenzene	ug/L	3.1	75	J	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-P-1-120FT	7/10/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2-Chlorophenol	ug/L	22	35		
GW-AA-P-1-120FT	7/10/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-120FT	7/10/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Naphthalene	ug/L	11	140		
GW-AA-P-1-120FT	7/10/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	P-Chloroaniline	ug/L	2.8	28	J	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Phenol	ug/L	2.8	100	J	
GW-AA-P-1-120FT	7/10/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-1-120FT	7/10/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-1-120FT	7/10/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-1-120FT	7/10/2002	PCBs	Dichlorobiphenyl	ug/L	0.05		J	
GW-AA-P-1-120FT	7/10/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-1-120FT	7/10/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-1-120FT	7/10/2002	PCBs	Monochlorobiphenyl	ug/L	0.08		J	
GW-AA-P-1-120FT	7/10/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-1-120FT	7/10/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-1-120FT	7/10/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-1-120FT	7/10/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-120FT	7/10/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	alpha-Chlordane	ug/L	0.011		JP	J
GW-AA-P-1-120FT	7/10/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-P-1-120FT	7/10/2002	Pesticides	Endrin	ug/L	0.1	2	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-P-1-120FT	7/10/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-P-1-120FT	7/10/2002	Herbicides	2,4,5-T	ug/L	0.5		JB	U
GW-AA-P-1-120FT	7/10/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-P-1-120FT	7/10/2002	Herbicides	2,4-D	ug/L	0.59	70	U	U
GW-AA-P-1-120FT	7/10/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-P-1-120FT	7/10/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-P-1-120FT	7/10/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-P-1-120FT	7/10/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-P-1-120FT	7/10/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-P-1-120FT	7/10/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-P-1-120FT	7/10/2002	Herbicides	Pentachlorophenol	ug/L	3.9	1	B	J
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.000058			
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000066		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000035		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000033		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.000003		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000029		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.0000026		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000028		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000033		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000024		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000037		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.000003		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000023		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.0000024		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000069		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	OCDD	ug/L	0.0011			
GW-AA-P-1-120FT	7/10/2002	Dioxins	OCDF	ug/L	0.000037		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	Total HpCDD	ug/L	0.00013			
GW-AA-P-1-120FT	7/10/2002	Dioxins	Total HpCDF	ug/L	0.000025		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	Total HxCDD	ug/L	0.0000033		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	Total HxCDF	ug/L	0.0000036		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	Total PeCDD	ug/L	0.0000037		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	Total PeCDF	ug/L	0.0000042		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	Total TCDD	ug/L	0.0000024		U	
GW-AA-P-1-120FT	7/10/2002	Dioxins	Total TCDF	ug/L	0.0000069		U	
GW-AA-P-1-120FT	7/10/2002	Metals	Aluminum	mg/l	0.2		U	U

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-1-120FT	7/10/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-P-1-120FT	7/10/2002	Metals	Arsenic	mg/l	0.01	0.05	U	UJ
GW-AA-P-1-120FT	7/10/2002	Metals	Barium	mg/l	0.45	2		
GW-AA-P-1-120FT	7/10/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-P-1-120FT	7/10/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-P-1-120FT	7/10/2002	Metals	Calcium	mg/l	220			
GW-AA-P-1-120FT	7/10/2002	Metals	Chromium	mg/l	0.0071	0.1	B	
GW-AA-P-1-120FT	7/10/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-P-1-120FT	7/10/2002	Metals	Copper	mg/l	0.02	0.65	U	U
GW-AA-P-1-120FT	7/10/2002	Metals	Iron	mg/l	35	5		
GW-AA-P-1-120FT	7/10/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-P-1-120FT	7/10/2002	Metals	Magnesium	mg/l	55			
GW-AA-P-1-120FT	7/10/2002	Metals	Manganese	mg/l	1	0.15		
GW-AA-P-1-120FT	7/10/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-P-1-120FT	7/10/2002	Metals	Nickel	mg/l	0.027	0.1	B	
GW-AA-P-1-120FT	7/10/2002	Metals	Potassium	mg/l	18			
GW-AA-P-1-120FT	7/10/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-P-1-120FT	7/10/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-P-1-120FT	7/10/2002	Metals	Sodium	mg/l	210			
GW-AA-P-1-120FT	7/10/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-P-1-120FT	7/10/2002	Metals	Vanadium	mg/l	0.0014	0.049	B	
GW-AA-P-1-120FT	7/10/2002	Metals	Zinc	mg/l	0.069	5		
GW-AA-P-1-120FT	7/10/2002	Other	Alkalinity, Total (as CACO3)	mg/l	700			
GW-AA-P-1-120FT	7/10/2002	Other	Carbon Dioxide	mg/l	92			
GW-AA-P-1-120FT	7/10/2002	Other	Methane	ug/L	150			J
GW-AA-P-1-120FT	7/10/2002	Other	Nitrate-N	mg/l	0.05	10	U	UJ
GW-AA-P-1-120FT	7/10/2002	Other	Sulfate as SO4	mg/l	100	400		
GW-AA-P-2-84	8/6/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-P-2-84	8/6/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-P-2-84	8/6/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-P-2-84	8/6/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-P-2-84	8/6/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-P-2-84	8/6/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-P-2-84	8/6/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-P-2-84	8/6/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-P-2-84	8/6/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-P-2-84	8/6/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-P-2-84	8/6/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-P-2-84	8/6/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-P-2-84	8/6/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-P-2-84	8/6/2002	VOCs	Carbon Disulfide	ug/L	0.67	700	J	
GW-AA-P-2-84	8/6/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-P-2-84	8/6/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-P-2-84	8/6/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-P-2-84	8/6/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-P-2-84	8/6/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-P-2-84	8/6/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-P-2-84	8/6/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-2-84	8/6/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-P-2-84	8/6/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-P-2-84	8/6/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-P-2-84	8/6/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-P-2-84	8/6/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-P-2-84	8/6/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-2-84	8/6/2002	VOCs	Trichloroethene	ug/L	1	5	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-84	8/6/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-P-2-84	8/6/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-P-2-84	8/6/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-2-84	8/6/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-2-84	8/6/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-2-84	8/6/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-2-84	8/6/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-2-84	8/6/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-2-84	8/6/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-2-84	8/6/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-2-84	8/6/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-2-84	8/6/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-2-84	8/6/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-2-84	8/6/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-2-84	8/6/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-2-84	8/6/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-2-84	8/6/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-2-84	8/6/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-2-84	8/6/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-2-84	8/6/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-2-84	8/6/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-2-84	8/6/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Naphthalene	ug/L	10	140	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-84	8/6/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-2-84	8/6/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-2-84	8/6/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-2-84	8/6/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-2-84	8/6/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-2-84	8/6/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-2-84	8/6/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-2-84	8/6/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-2-94	8/6/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-P-2-94	8/6/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-P-2-94	8/6/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-P-2-94	8/6/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-P-2-94	8/6/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-P-2-94	8/6/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-P-2-94	8/6/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-P-2-94	8/6/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-P-2-94	8/6/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-P-2-94	8/6/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-P-2-94	8/6/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-P-2-94	8/6/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-P-2-94	8/6/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-P-2-94	8/6/2002	VOCs	Carbon Disulfide	ug/L	0.42	700	J	
GW-AA-P-2-94	8/6/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-P-2-94	8/6/2002	VOCs	Chlorobenzene	ug/L	3.7	100		
GW-AA-P-2-94	8/6/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-P-2-94	8/6/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-P-2-94	8/6/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-P-2-94	8/6/2002	VOCs	Chloromethane	ug/L	0.48		J	
GW-AA-P-2-94	8/6/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-2-94	8/6/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-P-2-94	8/6/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-P-2-94	8/6/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-P-2-94	8/6/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-P-2-94	8/6/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-P-2-94	8/6/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-2-94	8/6/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-P-2-94	8/6/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-P-2-94	8/6/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-P-2-94	8/6/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-2-94	8/6/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-2-94	8/6/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-2-94	8/6/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-2-94	8/6/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-2-94	8/6/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-2-94	8/6/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-2-94	8/6/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-2-94	8/6/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-2-94	8/6/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-2-94	8/6/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-2-94	8/6/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-94	8/6/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-2-94	8/6/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-2-94	8/6/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-2-94	8/6/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-2-94	8/6/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-2-94	8/6/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-2-94	8/6/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-2-94	8/6/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-2-94	8/6/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-2-94	8/6/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-2-94	8/6/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-2-94	8/6/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-2-94	8/6/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-2-94	8/6/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-2-94	8/6/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-2-104	8/6/2002	VOCs	1,1,1-Trichloroethane	ug/L	50	200	U	
GW-AA-P-2-104	8/6/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	15		J	
GW-AA-P-2-104	8/6/2002	VOCs	1,1,2-Trichloroethane	ug/L	50	5	U	
GW-AA-P-2-104	8/6/2002	VOCs	1,1-Dichloroethane	ug/L	50	700	U	
GW-AA-P-2-104	8/6/2002	VOCs	1,1-Dichloroethylene	ug/L	50	7	U	
GW-AA-P-2-104	8/6/2002	VOCs	1,2-Dichloroethane	ug/L	50	5	U	
GW-AA-P-2-104	8/6/2002	VOCs	1,2-Dichloroethene (total)	ug/L	100		U	
GW-AA-P-2-104	8/6/2002	VOCs	1,2-Dichloropropane	ug/L	50	5	U	
GW-AA-P-2-104	8/6/2002	VOCs	2-Butanone (MEK)	ug/L	73		J	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-104	8/6/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	500		U	
GW-AA-P-2-104	8/6/2002	VOCs	Acetone	ug/L	1200	6300	U	
GW-AA-P-2-104	8/6/2002	VOCs	Benzene	ug/L	6900	5		
GW-AA-P-2-104	8/6/2002	VOCs	Bromodichloromethane	ug/L	50	0.2	U	
GW-AA-P-2-104	8/6/2002	VOCs	Bromoform	ug/L	50	1	U	
GW-AA-P-2-104	8/6/2002	VOCs	Bromomethane	ug/L	50	9.8	U	UJ
GW-AA-P-2-104	8/6/2002	VOCs	Carbon Disulfide	ug/L	50	700	U	
GW-AA-P-2-104	8/6/2002	VOCs	Carbon Tetrachloride	ug/L	6.9	5	J	
GW-AA-P-2-104	8/6/2002	VOCs	Chlorobenzene	ug/L	490	100		
GW-AA-P-2-104	8/6/2002	VOCs	Chlorodibromomethane	ug/L	50	140	U	
GW-AA-P-2-104	8/6/2002	VOCs	Chloroethane	ug/L	50		U	
GW-AA-P-2-104	8/6/2002	VOCs	Chloroform	ug/L	50	0.2	U	
GW-AA-P-2-104	8/6/2002	VOCs	Chloromethane	ug/L	50		U	
GW-AA-P-2-104	8/6/2002	VOCs	cis-1,3-Dichloropropene	ug/L	50		U	
GW-AA-P-2-104	8/6/2002	VOCs	Dichloromethane	ug/L	250	5	U	
GW-AA-P-2-104	8/6/2002	VOCs	Ethylbenzene	ug/L	47	700	J	
GW-AA-P-2-104	8/6/2002	VOCs	Methyl N-Butyl Ketone	ug/L	500		U	
GW-AA-P-2-104	8/6/2002	VOCs	Styrene (Monomer)	ug/L	110	100		U
GW-AA-P-2-104	8/6/2002	VOCs	Tetrachloroethene	ug/L	50	5	U	
GW-AA-P-2-104	8/6/2002	VOCs	Toluene	ug/L	50	1000	U	
GW-AA-P-2-104	8/6/2002	VOCs	trans-1,3-Dichloropropene	ug/L	50		U	
GW-AA-P-2-104	8/6/2002	VOCs	Trichloroethene	ug/L	50	5	U	
GW-AA-P-2-104	8/6/2002	VOCs	Vinyl chloride	ug/L	50	2	U	
GW-AA-P-2-104	8/6/2002	VOCs	Xylenes, Total	ug/L	100	10000		
GW-AA-P-2-104	8/6/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-2-104	8/6/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-2-104	8/6/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-2-104	8/6/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-2-104	8/6/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-2-104	8/6/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-2-104	8/6/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-2-104	8/6/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-2-104	8/6/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-2-104	8/6/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-2-104	8/6/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	2-Chlorophenol	ug/L	5.3	35	J	
GW-AA-P-2-104	8/6/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-2-104	8/6/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-2-104	8/6/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-2-104	8/6/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-2-104	8/6/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-2-104	8/6/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-2-104	8/6/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-104	8/6/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-2-104	8/6/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-2-104	8/6/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-2-104	8/6/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-2-104	8/6/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-2-104	8/6/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-2-104	8/6/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-2-104	8/6/2002	SVOCs	Phenol	ug/L	280	100	D	
GW-AA-P-2-104	8/6/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-2-104	8/6/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-2-104	8/6/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-2-104	8/6/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-P-2-104	8/6/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-2-104	8/6/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-2-104	8/6/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-P-2-104	8/6/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-2-104	8/6/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-2-104	8/6/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-2-104	8/6/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-2-104	8/6/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-P-2-104	8/6/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-P-2-104	8/6/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-P-2-104	8/6/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	
GW-AA-P-2-104	8/6/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-P-2-104	8/6/2002	Pesticides	alpha-BHC	ug/L	0.0084	0.11	JP	J
GW-AA-P-2-104	8/6/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	
GW-AA-P-2-104	8/6/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-P-2-104	8/6/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-P-2-104	8/6/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-P-2-104	8/6/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	
GW-AA-P-2-104	8/6/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-P-2-104	8/6/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	
GW-AA-P-2-104	8/6/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-P-2-104	8/6/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	
GW-AA-P-2-104	8/6/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-P-2-104	8/6/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-P-2-104	8/6/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-P-2-104	8/6/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-104	8/6/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-P-2-104	8/6/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-P-2-104	8/6/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-P-2-104	8/6/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-P-2-104	8/6/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-P-2-104	8/6/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-P-2-104	8/6/2002	Herbicides	2,4-DB	ug/L	0.5		U	UJ
GW-AA-P-2-104	8/6/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-P-2-104	8/6/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-P-2-104	8/6/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-P-2-104	8/6/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-P-2-104	8/6/2002	Herbicides	MCPP	ug/L	32		JP	J
GW-AA-P-2-104	8/6/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-P-2-104	8/6/2002	Metals	Aluminum	mg/l	1			
GW-AA-P-2-104	8/6/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-P-2-104	8/6/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-P-2-104	8/6/2002	Metals	Barium	mg/l	1.4	2		
GW-AA-P-2-104	8/6/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-P-2-104	8/6/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-P-2-104	8/6/2002	Metals	Calcium	mg/l	200			
GW-AA-P-2-104	8/6/2002	Metals	Chromium	mg/l	0.02	0.1		
GW-AA-P-2-104	8/6/2002	Metals	Cobalt	mg/l	0.0029	1	B	
GW-AA-P-2-104	8/6/2002	Metals	Copper	mg/l	0.0063	0.65	B	
GW-AA-P-2-104	8/6/2002	Metals	Iron	mg/l	29	5		
GW-AA-P-2-104	8/6/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-P-2-104	8/6/2002	Metals	Magnesium	mg/l	49			
GW-AA-P-2-104	8/6/2002	Metals	Manganese	mg/l	0.53	0.15		
GW-AA-P-2-104	8/6/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-P-2-104	8/6/2002	Metals	Nickel	mg/l	0.01	0.1	B	
GW-AA-P-2-104	8/6/2002	Metals	Potassium	mg/l	17			
GW-AA-P-2-104	8/6/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-P-2-104	8/6/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-P-2-104	8/6/2002	Metals	Sodium	mg/l	250			
GW-AA-P-2-104	8/6/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-P-2-104	8/6/2002	Metals	Vanadium	mg/l	0.0043	0.049	B	
GW-AA-P-2-104	8/6/2002	Metals	Zinc	mg/l	0.016	5	BE	J
GW-AA-P-2-104	8/6/2002	Other	Alkalinity, Total (as CACO3)	mg/l	760			
GW-AA-P-2-104	8/6/2002	Other	Carbon Dioxide	mg/l	61			
GW-AA-P-2-104	8/6/2002	Other	Methane	ug/L	1500			
GW-AA-P-2-104	8/6/2002	Other	Nitrate-N	mg/l	0.03	10	B	
GW-AA-P-2-104	8/6/2002	Other	Sulfate as SO4	mg/l	5	400	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2-Chlorophenol	ug/L	3.3	35	J	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2-Nitroaniline	ug/L	50		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Phenol	ug/L	270	100	D	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-2-104 Filtered	8/6/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Barium	mg/l	1.4	2		
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Calcium	mg/l	200			
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Copper	mg/l	0.00094	0.65	B	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Iron	mg/l	26	5		
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Magnesium	mg/l	49			
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Manganese	mg/l	0.44	0.15		
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Nickel	mg/l	0.0043	0.1	B	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Potassium	mg/l	17			
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Sodium	mg/l	250			
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Vanadium	mg/l	0.0014	0.049	B	
GW-AA-P-2-104 Filtered	8/6/2002	Metals	Zinc	mg/l	0.02	5	UE	
GW-AA-P-2-114	8/7/2002	VOCs	1,1,1-Trichloroethane	ug/L	50	200	U	
GW-AA-P-2-114	8/7/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	50		U	
GW-AA-P-2-114	8/7/2002	VOCs	1,1,2-Trichloroethane	ug/L	50	5	U	
GW-AA-P-2-114	8/7/2002	VOCs	1,1-Dichloroethane	ug/L	50	700	U	
GW-AA-P-2-114	8/7/2002	VOCs	1,1-Dichloroethylene	ug/L	50	7	U	
GW-AA-P-2-114	8/7/2002	VOCs	1,2-Dichloroethane	ug/L	50	5	U	
GW-AA-P-2-114	8/7/2002	VOCs	1,2-Dichloroethene (total)	ug/L	100		U	
GW-AA-P-2-114	8/7/2002	VOCs	1,2-Dichloropropane	ug/L	50	5	U	
GW-AA-P-2-114	8/7/2002	VOCs	2-Butanone (MEK)	ug/L	500		U	
GW-AA-P-2-114	8/7/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	500		U	
GW-AA-P-2-114	8/7/2002	VOCs	Benzene	ug/L	5800	5		
GW-AA-P-2-114	8/7/2002	VOCs	Bromodichloromethane	ug/L	50	0.2	U	
GW-AA-P-2-114	8/7/2002	VOCs	Bromoform	ug/L	50	1	U	
GW-AA-P-2-114	8/7/2002	VOCs	Bromomethane	ug/L	50	9.8	U	
GW-AA-P-2-114	8/7/2002	VOCs	Carbon Disulfide	ug/L	50	700	U	
GW-AA-P-2-114	8/7/2002	VOCs	Carbon Tetrachloride	ug/L	50	5	U	
GW-AA-P-2-114	8/7/2002	VOCs	Chlorobenzene	ug/L	50	100	U	
GW-AA-P-2-114	8/7/2002	VOCs	Chlorodibromomethane	ug/L	50	140	U	
GW-AA-P-2-114	8/7/2002	VOCs	Chloroethane	ug/L	50		U	
GW-AA-P-2-114	8/7/2002	VOCs	Chloroform	ug/L	50	0.2	U	
GW-AA-P-2-114	8/7/2002	VOCs	Chloromethane	ug/L	50		U	
GW-AA-P-2-114	8/7/2002	VOCs	cis-1,3-Dichloropropene	ug/L	50		U	
GW-AA-P-2-114	8/7/2002	VOCs	Dichloromethane	ug/L	250	5	U	U
GW-AA-P-2-114	8/7/2002	VOCs	Ethylbenzene	ug/L	50	700	U	
GW-AA-P-2-114	8/7/2002	VOCs	Methyl N-Butyl Ketone	ug/L	500		U	
GW-AA-P-2-114	8/7/2002	VOCs	Styrene (Monomer)	ug/L	50	100	U	
GW-AA-P-2-114	8/7/2002	VOCs	Tetrachloroethene	ug/L	50	5	U	
GW-AA-P-2-114	8/7/2002	VOCs	Toluene	ug/L	50	1000	U	
GW-AA-P-2-114	8/7/2002	VOCs	trans-1,3-Dichloropropene	ug/L	50		U	
GW-AA-P-2-114	8/7/2002	VOCs	Trichloroethene	ug/L	50	5	U	
GW-AA-P-2-114	8/7/2002	VOCs	Vinyl chloride	ug/L	50	2	U	
GW-AA-P-2-114	8/7/2002	VOCs	Xylenes, Total	ug/L	100	10000	U	
GW-AA-P-2-114	8/7/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-2-114	8/7/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-2-114	8/7/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	1,4-Dichlorobenzene	ug/L	1.5	75	J	
GW-AA-P-2-114	8/7/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-2-114	8/7/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-2-114	8/7/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-2-114	8/7/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-2-114	8/7/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-2-114	8/7/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-2-114	8/7/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-2-114	8/7/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-114	8/7/2002	SVOCs	2-Chlorophenol	ug/L	3.3	35	J	
GW-AA-P-2-114	8/7/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-2-114	8/7/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-2-114	8/7/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-2-114	8/7/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-2-114	8/7/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-2-114	8/7/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-2-114	8/7/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-2-114	8/7/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-2-114	8/7/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-2-114	8/7/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-2-114	8/7/2002	SVOCs	P-Chloroaniline	ug/L	2.2	28	J	
GW-AA-P-2-114	8/7/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-2-114	8/7/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-2-114	8/7/2002	SVOCs	Phenol	ug/L	180	100		
GW-AA-P-2-114	8/7/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-2-114	8/7/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	1,1,1-Trichloroethane	ug/L	50	200	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	50		U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	1,1,2-Trichloroethane	ug/L	50	5	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	1,1-Dichloroethane	ug/L	50	700	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	1,1-Dichloroethylene	ug/L	50	7	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	1,2-Dichloroethane	ug/L	50	5	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	1,2-Dichloroethene (total)	ug/L	100		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-114-DUP	8/7/2002	VOCs	1,2-Dichloropropane	ug/L	50	5	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	2-Butanone (MEK)	ug/L	500		U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	500		U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Benzene	ug/L	6000	5		
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Bromodichloromethane	ug/L	50	0.2	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Bromoform	ug/L	50	1	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Bromomethane	ug/L	50	9.8	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Carbon Disulfide	ug/L	50	700	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Carbon Tetrachloride	ug/L	50	5	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Chlorobenzene	ug/L	500	100		
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Chlorodibromomethane	ug/L	50	140	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Chloroethane	ug/L	50		U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Chloroform	ug/L	50	0.2	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Chloromethane	ug/L	50		U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	cis-1,3-Dichloropropene	ug/L	50		U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Dichloromethane	ug/L	250	5	U	U
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Ethylbenzene	ug/L	50	700	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Methyl N-Butyl Ketone	ug/L	500		U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Styrene (Monomer)	ug/L	50	100	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Tetrachloroethene	ug/L	50	5	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Toluene	ug/L	50	1000	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	trans-1,3-Dichloropropene	ug/L	50		U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Trichloroethene	ug/L	50	5	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Vinyl chloride	ug/L	50	2	U	
GW-AA-P-2-114-DUP	8/7/2002	VOCs	Xylenes, Total	ug/L	100	10000	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	1,4-Dichlorobenzene	ug/L	1.4	75	J	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2-Chlorophenol	ug/L	3.1	35	J	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	P-Chloroaniline	ug/L	2.4	28	J	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Phenol	ug/L	160	100		
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-2-114-DUP	8/7/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-2-122	8/7/2002	VOCs	1,1,1-Trichloroethane	ug/L	20	200	U	
GW-AA-P-2-122	8/7/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	20		U	
GW-AA-P-2-122	8/7/2002	VOCs	1,1,2-Trichloroethane	ug/L	20	5	U	
GW-AA-P-2-122	8/7/2002	VOCs	1,1-Dichloroethane	ug/L	20	700	U	
GW-AA-P-2-122	8/7/2002	VOCs	1,1-Dichloroethylene	ug/L	20	7	U	
GW-AA-P-2-122	8/7/2002	VOCs	1,2-Dichloroethane	ug/L	20	5	U	
GW-AA-P-2-122	8/7/2002	VOCs	1,2-Dichloroethene (total)	ug/L	40		U	
GW-AA-P-2-122	8/7/2002	VOCs	1,2-Dichloropropane	ug/L	20	5	U	
GW-AA-P-2-122	8/7/2002	VOCs	2-Butanone (MEK)	ug/L	200		U	
GW-AA-P-2-122	8/7/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	200		U	
GW-AA-P-2-122	8/7/2002	VOCs	Benzene	ug/L	2800	5		
GW-AA-P-2-122	8/7/2002	VOCs	Bromodichloromethane	ug/L	20	0.2	U	
GW-AA-P-2-122	8/7/2002	VOCs	Bromoform	ug/L	20	1	U	
GW-AA-P-2-122	8/7/2002	VOCs	Bromomethane	ug/L	20	9.8	U	
GW-AA-P-2-122	8/7/2002	VOCs	Carbon Disulfide	ug/L	15	700	J	
GW-AA-P-2-122	8/7/2002	VOCs	Carbon Tetrachloride	ug/L	20	5	U	
GW-AA-P-2-122	8/7/2002	VOCs	Chlorobenzene	ug/L	480	100		
GW-AA-P-2-122	8/7/2002	VOCs	Chlorodibromomethane	ug/L	20	140	U	
GW-AA-P-2-122	8/7/2002	VOCs	Chloroethane	ug/L	20		U	
GW-AA-P-2-122	8/7/2002	VOCs	Chloroform	ug/L	20	0.2	U	
GW-AA-P-2-122	8/7/2002	VOCs	Chloromethane	ug/L	23			
GW-AA-P-2-122	8/7/2002	VOCs	cis-1,3-Dichloropropene	ug/L	20		U	
GW-AA-P-2-122	8/7/2002	VOCs	Dichloromethane	ug/L	100	5	U	U
GW-AA-P-2-122	8/7/2002	VOCs	Ethylbenzene	ug/L	20	700	U	
GW-AA-P-2-122	8/7/2002	VOCs	Methyl N-Butyl Ketone	ug/L	200		U	
GW-AA-P-2-122	8/7/2002	VOCs	Styrene (Monomer)	ug/L	20	100	U	
GW-AA-P-2-122	8/7/2002	VOCs	Tetrachloroethene	ug/L	20	5	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-122	8/7/2002	VOCs	Toluene	ug/L	20	1000	U	
GW-AA-P-2-122	8/7/2002	VOCs	trans-1,3-Dichloropropene	ug/L	20		U	
GW-AA-P-2-122	8/7/2002	VOCs	Trichloroethene	ug/L	20	5	U	
GW-AA-P-2-122	8/7/2002	VOCs	Vinyl chloride	ug/L	20	2	U	
GW-AA-P-2-122	8/7/2002	VOCs	Xylenes, Total	ug/L	40	10000	U	
GW-AA-P-2-122	8/7/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-2-122	8/7/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-2-122	8/7/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-2-122	8/7/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-2-122	8/7/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-2-122	8/7/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-2-122	8/7/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-2-122	8/7/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-2-122	8/7/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-2-122	8/7/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-2-122	8/7/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	2-Chlorophenol	ug/L	4.6	35	J	
GW-AA-P-2-122	8/7/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-2-122	8/7/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-2-122	8/7/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-2-122	8/7/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-2-122	8/7/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-2-122	8/7/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-2-122	8/7/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-2-122	8/7/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-122	8/7/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-2-122	8/7/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-2-122	8/7/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-2-122	8/7/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-2-122	8/7/2002	SVOCs	P-Chloroaniline	ug/L	2.4	28	J	
GW-AA-P-2-122	8/7/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-2-122	8/7/2002	SVOCs	Phenol	ug/L	120	100		
GW-AA-P-2-122	8/7/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-2-122	8/7/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-2-122	8/7/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-2-122	8/7/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-P-2-122	8/7/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-2-122	8/7/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-2-122	8/7/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-P-2-122	8/7/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-2-122	8/7/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-2-122	8/7/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-2-122	8/7/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-2-122	8/7/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-P-2-122	8/7/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-P-2-122	8/7/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	
GW-AA-P-2-122	8/7/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	
GW-AA-P-2-122	8/7/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-P-2-122	8/7/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	
GW-AA-P-2-122	8/7/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	
GW-AA-P-2-122	8/7/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-P-2-122	8/7/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-P-2-122	8/7/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	
GW-AA-P-2-122	8/7/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	
GW-AA-P-2-122	8/7/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-P-2-122	8/7/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	
GW-AA-P-2-122	8/7/2002	Pesticides	Endrin	ug/L	0.1	2	U	
GW-AA-P-2-122	8/7/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	
GW-AA-P-2-122	8/7/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-P-2-122	8/7/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-P-2-122	8/7/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-P-2-122	8/7/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	
GW-AA-P-2-122	8/7/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-P-2-122	8/7/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-P-2-122	8/7/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-P-2-122	8/7/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-P-2-122	8/7/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-P-2-122	8/7/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-P-2-122	8/7/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-P-2-122	8/7/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-P-2-122	8/7/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-P-2-122	8/7/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-P-2-122	8/7/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-P-2-122	8/7/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-P-2-122	8/7/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-P-2-122	8/7/2002	Metals	Aluminum	mg/l	2.2			
GW-AA-P-2-122	8/7/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-P-2-122	8/7/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-P-2-122	8/7/2002	Metals	Barium	mg/l	0.81	2		
GW-AA-P-2-122	8/7/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-P-2-122	8/7/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-P-2-122	8/7/2002	Metals	Calcium	mg/l	170			

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-122	8/7/2002	Metals	Chromium	mg/l	0.035	0.1		
GW-AA-P-2-122	8/7/2002	Metals	Cobalt	mg/l	0.0024	1	B	
GW-AA-P-2-122	8/7/2002	Metals	Copper	mg/l	0.0076	0.65	B	
GW-AA-P-2-122	8/7/2002	Metals	Iron	mg/l	23	5		
GW-AA-P-2-122	8/7/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-P-2-122	8/7/2002	Metals	Magnesium	mg/l	39			
GW-AA-P-2-122	8/7/2002	Metals	Manganese	mg/l	0.59	0.15		
GW-AA-P-2-122	8/7/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-P-2-122	8/7/2002	Metals	Nickel	mg/l	0.012	0.1	B	
GW-AA-P-2-122	8/7/2002	Metals	Potassium	mg/l	12			
GW-AA-P-2-122	8/7/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-P-2-122	8/7/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-P-2-122	8/7/2002	Metals	Sodium	mg/l	120			
GW-AA-P-2-122	8/7/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-P-2-122	8/7/2002	Metals	Vanadium	mg/l	0.0041	0.049	B	
GW-AA-P-2-122	8/7/2002	Metals	Zinc	mg/l	0.018	5	B	
GW-AA-P-2-122	8/7/2002	Other	Alkalinity, Total (as CACO3)	mg/l	550			
GW-AA-P-2-122	8/7/2002	Other	Carbon Dioxide	mg/l	42			
GW-AA-P-2-122	8/7/2002	Other	Methane	ug/L	720			J
GW-AA-P-2-122	8/7/2002	Other	Nitrate-N	mg/l	0.5	10		
GW-AA-P-2-122	8/7/2002	Other	Sulfate as SO4	mg/l	37	400		
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2-Chlorophenol	ug/L	4.7	35	J	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	P-Chloroaniline	ug/L	2.3	28	J	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Phenol	ug/L	160	100		
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-2-122-Filtered	8/7/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Barium	mg/l	0.76	2		
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Calcium	mg/l	160			
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Cobalt	mg/l	0.0012	1	B	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Copper	mg/l	0.0014	0.65	B	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Iron	mg/l	19	5		
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Magnesium	mg/l	37			
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Manganese	mg/l	0.54	0.15		
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Nickel	mg/l	0.008	0.1	B	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Potassium	mg/l	11			
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Sodium	mg/l	130			
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Vanadium	mg/l	0.01	0.049	U	
GW-AA-P-2-122-Filtered	8/7/2002	Metals	Zinc	mg/l	0.0078	5	B	
GW-AA-P-3-82	8/9/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-P-3-82	8/9/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-P-3-82	8/9/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-P-3-82	8/9/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-P-3-82	8/9/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-P-3-82	8/9/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-P-3-82	8/9/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-P-3-82	8/9/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-82	8/9/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-P-3-82	8/9/2002	VOCs	Benzene	ug/L	0.54	5	J	
GW-AA-P-3-82	8/9/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-P-3-82	8/9/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-P-3-82	8/9/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-P-3-82	8/9/2002	VOCs	Carbon Disulfide	ug/L	0.54	700	J	
GW-AA-P-3-82	8/9/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-P-3-82	8/9/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-P-3-82	8/9/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-P-3-82	8/9/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-P-3-82	8/9/2002	VOCs	Chloroform	ug/L	0.2	0.2	J	
GW-AA-P-3-82	8/9/2002	VOCs	Chloromethane	ug/L	1		U	U
GW-AA-P-3-82	8/9/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-82	8/9/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-P-3-82	8/9/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-P-3-82	8/9/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-P-3-82	8/9/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-P-3-82	8/9/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-P-3-82	8/9/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-82	8/9/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-P-3-82	8/9/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-P-3-82	8/9/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-P-3-82	8/9/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-3-82	8/9/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-3-82	8/9/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-3-82	8/9/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-3-82	8/9/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-3-82	8/9/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-3-82	8/9/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-3-82	8/9/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-3-82	8/9/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-3-82	8/9/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-3-82	8/9/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-3-82	8/9/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-3-82	8/9/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-3-82	8/9/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-3-82	8/9/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-3-82	8/9/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-3-82	8/9/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-3-82	8/9/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-82	8/9/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-3-82	8/9/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-3-82	8/9/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-3-82	8/9/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-3-82	8/9/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-3-82	8/9/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-3-82	8/9/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-3-82	8/9/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-3-82	8/9/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-3-82	8/9/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-3-92	8/9/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-P-3-92	8/9/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-P-3-92	8/9/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-P-3-92	8/9/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-P-3-92	8/9/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-P-3-92	8/9/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-P-3-92	8/9/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-P-3-92	8/9/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-P-3-92	8/9/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-P-3-92	8/9/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-P-3-92	8/9/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-P-3-92	8/9/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-P-3-92	8/9/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-P-3-92	8/9/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-P-3-92	8/9/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-P-3-92	8/9/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-P-3-92	8/9/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-P-3-92	8/9/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-P-3-92	8/9/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-P-3-92	8/9/2002	VOCs	Chloromethane	ug/L	1.3			U
GW-AA-P-3-92	8/9/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-92	8/9/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-P-3-92	8/9/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-P-3-92	8/9/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-92	8/9/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-P-3-92	8/9/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-P-3-92	8/9/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-P-3-92	8/9/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-92	8/9/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-P-3-92	8/9/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-P-3-92	8/9/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-P-3-92	8/9/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-3-92	8/9/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-3-92	8/9/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-3-92	8/9/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-3-92	8/9/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-3-92	8/9/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-3-92	8/9/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-3-92	8/9/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-P-3-92	8/9/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-3-92	8/9/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-3-92	8/9/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-3-92	8/9/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-3-92	8/9/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-3-92	8/9/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-3-92	8/9/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-3-92	8/9/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-3-92	8/9/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-3-92	8/9/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-3-92	8/9/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-3-92	8/9/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-92	8/9/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-3-92	8/9/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-3-92	8/9/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-3-92	8/9/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-3-92	8/9/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-3-92	8/9/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-3-92	8/9/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-3-92	8/9/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-3-102	8/9/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-P-3-102	8/9/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-P-3-102	8/9/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-P-3-102	8/9/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-P-3-102	8/9/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-P-3-102	8/9/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-P-3-102	8/9/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-P-3-102	8/9/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-P-3-102	8/9/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-P-3-102	8/9/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-P-3-102	8/9/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-P-3-102	8/9/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-P-3-102	8/9/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-P-3-102	8/9/2002	VOCs	Carbon Disulfide	ug/L	0.38	700	J	
GW-AA-P-3-102	8/9/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-P-3-102	8/9/2002	VOCs	Chlorobenzene	ug/L	0.45	100	J	
GW-AA-P-3-102	8/9/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-P-3-102	8/9/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-P-3-102	8/9/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-P-3-102	8/9/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-P-3-102	8/9/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-102	8/9/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-P-3-102	8/9/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-P-3-102	8/9/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-P-3-102	8/9/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-P-3-102	8/9/2002	VOCs	Toluene	ug/L	0.54	1000	J	
GW-AA-P-3-102	8/9/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-102	8/9/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-P-3-102	8/9/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-P-3-102	8/9/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-P-3-102	8/9/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-3-102	8/9/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-3-102	8/9/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-3-102	8/9/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-3-102	8/9/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-3-102	8/9/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-3-102	8/9/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-3-102	8/9/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-3-102	8/9/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-102	8/9/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-3-102	8/9/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-3-102	8/9/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-3-102	8/9/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-3-102	8/9/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-3-102	8/9/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-3-102	8/9/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-3-102	8/9/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-3-102	8/9/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-3-102	8/9/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-3-102	8/9/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-3-102	8/9/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-3-102	8/9/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-3-102	8/9/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-3-102	8/9/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-3-102	8/9/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-3-102	8/9/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-3-102	8/9/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-3-112	8/9/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-P-3-112	8/9/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-P-3-112	8/9/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-P-3-112	8/9/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-112	8/9/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-P-3-112	8/9/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-P-3-112	8/9/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-P-3-112	8/9/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-P-3-112	8/9/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-P-3-112	8/9/2002	VOCs	Benzene	ug/L	1.3	5		
GW-AA-P-3-112	8/9/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-P-3-112	8/9/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-P-3-112	8/9/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-P-3-112	8/9/2002	VOCs	Carbon Disulfide	ug/L	0.59	700	J	
GW-AA-P-3-112	8/9/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-P-3-112	8/9/2002	VOCs	Chlorobenzene	ug/L	6.1	100		
GW-AA-P-3-112	8/9/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-P-3-112	8/9/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-P-3-112	8/9/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-P-3-112	8/9/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-P-3-112	8/9/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-112	8/9/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-P-3-112	8/9/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-P-3-112	8/9/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-P-3-112	8/9/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-P-3-112	8/9/2002	VOCs	Toluene	ug/L	0.47	1000	J	
GW-AA-P-3-112	8/9/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-112	8/9/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-P-3-112	8/9/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-P-3-112	8/9/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-P-3-112	8/9/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-3-112	8/9/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-3-112	8/9/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-3-112	8/9/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-3-112	8/9/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-3-112	8/9/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-3-112	8/9/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-3-112	8/9/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-3-112	8/9/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-3-112	8/9/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-3-112	8/9/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-3-112	8/9/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-3-112	8/9/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-3-112	8/9/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-3-112	8/9/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-3-112	8/9/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-3-112	8/9/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-3-112	8/9/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	Anthracene	ug/L	10	2100	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-112	8/9/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-3-112	8/9/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-3-112	8/9/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	U
GW-AA-P-3-112	8/9/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-3-112	8/9/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-3-112	8/9/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-3-112	8/9/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-3-112	8/9/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-3-112	8/9/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-3-112	8/9/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-3-112	8/9/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-3-112	8/9/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-3-112	8/9/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-P-3-112	8/9/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-3-112	8/9/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-3-112	8/9/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-P-3-112	8/9/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-3-112	8/9/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-3-112	8/9/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-3-112	8/9/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-3-112	8/9/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-P-3-112	8/9/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-112	8/9/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-P-3-112	8/9/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-P-3-112	8/9/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-P-3-112	8/9/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-P-3-112	8/9/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-P-3-112	8/9/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-P-3-112	8/9/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-P-3-112	8/9/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-P-3-112	8/9/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-P-3-112	8/9/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-P-3-112	8/9/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-P-3-112	8/9/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-P-3-112	8/9/2002	Metals	Aluminum	mg/l	11			
GW-AA-P-3-112	8/9/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-P-3-112	8/9/2002	Metals	Arsenic	mg/l	0.0047	0.05	B	
GW-AA-P-3-112	8/9/2002	Metals	Barium	mg/l	0.88	2		
GW-AA-P-3-112	8/9/2002	Metals	Beryllium	mg/l	0.00046	0.004	B	
GW-AA-P-3-112	8/9/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-P-3-112	8/9/2002	Metals	Calcium	mg/l	220			
GW-AA-P-3-112	8/9/2002	Metals	Chromium	mg/l	0.12	0.1		
GW-AA-P-3-112	8/9/2002	Metals	Cobalt	mg/l	0.0063	1	B	
GW-AA-P-3-112	8/9/2002	Metals	Copper	mg/l	0.04	0.65		
GW-AA-P-3-112	8/9/2002	Metals	Iron	mg/l	57	5		
GW-AA-P-3-112	8/9/2002	Metals	Lead	mg/l	0.0073	0.0075		
GW-AA-P-3-112	8/9/2002	Metals	Magnesium	mg/l	59			
GW-AA-P-3-112	8/9/2002	Metals	Manganese	mg/l	0.63	0.15		
GW-AA-P-3-112	8/9/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-P-3-112	8/9/2002	Metals	Nickel	mg/l	0.033	0.1	B	
GW-AA-P-3-112	8/9/2002	Metals	Potassium	mg/l	18			
GW-AA-P-3-112	8/9/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-P-3-112	8/9/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-P-3-112	8/9/2002	Metals	Sodium	mg/l	240		E	J
GW-AA-P-3-112	8/9/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-P-3-112	8/9/2002	Metals	Vanadium	mg/l	0.02	0.049		
GW-AA-P-3-112	8/9/2002	Metals	Zinc	mg/l	0.097	5		
GW-AA-P-3-112	8/9/2002	Other	Alkalinity, Total (as CACO3)	mg/l	620			
GW-AA-P-3-112	8/9/2002	Other	Carbon Dioxide	mg/l	150			
GW-AA-P-3-112	8/9/2002	Other	Methane	ug/L	270			
GW-AA-P-3-112	8/9/2002	Other	Nitrate-N	mg/l	0.05	10	U	
GW-AA-P-3-112	8/9/2002	Other	Sulfate as SO4	mg/l	57	400		
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	U
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-3-112 Filtered	8/9/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Barium	mg/l	0.61	2		
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Beryllium	mg/l	0.004	0.004	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Calcium	mg/l	210			
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Chromium	mg/l	0.004	0.1	B	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Copper	mg/l	0.02	0.65	U	U
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Iron	mg/l	36	5		
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Magnesium	mg/l	56			
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Manganese	mg/l	0.4	0.15		
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Nickel	mg/l	0.0043	0.1	B	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Potassium	mg/l	14			
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Silver	mg/l	0.00071	0.05	B	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Sodium	mg/l	240		E	J
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Vanadium	mg/l	0.002	0.049	B	
GW-AA-P-3-112 Filtered	8/9/2002	Metals	Zinc	mg/l	0.014	5	B	
GW-AA-P-3-122	8/12/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-P-3-122	8/12/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-P-3-122	8/12/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-P-3-122	8/12/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-P-3-122	8/12/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-P-3-122	8/12/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-P-3-122	8/12/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-P-3-122	8/12/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-P-3-122	8/12/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	1.3		J	
GW-AA-P-3-122	8/12/2002	VOCs	Benzene	ug/L	1	5	U	U
GW-AA-P-3-122	8/12/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-P-3-122	8/12/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-P-3-122	8/12/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-P-3-122	8/12/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-P-3-122	8/12/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-P-3-122	8/12/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-P-3-122	8/12/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-P-3-122	8/12/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-P-3-122	8/12/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-P-3-122	8/12/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-P-3-122	8/12/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-122	8/12/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-P-3-122	8/12/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-P-3-122	8/12/2002	VOCs	Methyl N-Butyl Ketone	ug/L	1.5		J	
GW-AA-P-3-122	8/12/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	U
GW-AA-P-3-122	8/12/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-P-3-122	8/12/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-P-3-122	8/12/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-122	8/12/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-P-3-122	8/12/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-P-3-122	8/12/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-P-3-122	8/12/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-3-122	8/12/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-3-122	8/12/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-3-122	8/12/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-3-122	8/12/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-3-122	8/12/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-122	8/12/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-3-122	8/12/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-P-3-122	8/12/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-3-122	8/12/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-3-122	8/12/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-3-122	8/12/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-3-122	8/12/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-3-122	8/12/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-3-122	8/12/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-3-122	8/12/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-P-3-122	8/12/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-3-122	8/12/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-3-122	8/12/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-3-122	8/12/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Dinoseb	ug/L	10	7	U	UJ
GW-AA-P-3-122	8/12/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	UJ
GW-AA-P-3-122	8/12/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-3-122	8/12/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-3-122	8/12/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-3-122	8/12/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-3-122	8/12/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-3-122	8/12/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-3-122	8/12/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-3-122	8/12/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-3-126	8/12/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-126	8/12/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-P-3-126	8/12/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-P-3-126	8/12/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-P-3-126	8/12/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-P-3-126	8/12/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-P-3-126	8/12/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-P-3-126	8/12/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-P-3-126	8/12/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	VOCs	Acetone	ug/L	16	6300	J	J
GW-AA-P-3-126	8/12/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-P-3-126	8/12/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-P-3-126	8/12/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-P-3-126	8/12/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-P-3-126	8/12/2002	VOCs	Carbon Disulfide	ug/L	0.52	700	J	
GW-AA-P-3-126	8/12/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-P-3-126	8/12/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-P-3-126	8/12/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-P-3-126	8/12/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-P-3-126	8/12/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-P-3-126	8/12/2002	VOCs	Chloromethane	ug/L	0.77		J	
GW-AA-P-3-126	8/12/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-126	8/12/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-P-3-126	8/12/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-P-3-126	8/12/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-P-3-126	8/12/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-P-3-126	8/12/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-P-3-126	8/12/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-P-3-126	8/12/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-P-3-126	8/12/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-P-3-126	8/12/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-P-3-126	8/12/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-3-126	8/12/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-3-126	8/12/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-3-126	8/12/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-3-126	8/12/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-3-126	8/12/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-3-126	8/12/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-P-3-126	8/12/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-P-3-126	8/12/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-3-126	8/12/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-3-126	8/12/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-3-126	8/12/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-3-126	8/12/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-3-126	8/12/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-3-126	8/12/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-3-126	8/12/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	UJ
GW-AA-P-3-126	8/12/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	4-Nitrophenol	ug/L	50		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-126	8/12/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-3-126	8/12/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-3-126	8/12/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	UJ
GW-AA-P-3-126	8/12/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-3-126	8/12/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-3-126	8/12/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-3-126	8/12/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-3-126	8/12/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-3-126	8/12/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-3-126	8/12/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-3-126	8/12/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-3-126	8/12/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-3-126	8/12/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-P-3-126	8/12/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-3-126	8/12/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-3-126	8/12/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-P-3-126	8/12/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-P-3-126	8/12/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-P-3-126	8/12/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-3-126	8/12/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-P-3-126	8/12/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-P-3-126	8/12/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-P-3-126	8/12/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	
GW-AA-P-3-126	8/12/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	
GW-AA-P-3-126	8/12/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-P-3-126	8/12/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	
GW-AA-P-3-126	8/12/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	
GW-AA-P-3-126	8/12/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-P-3-126	8/12/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-P-3-126	8/12/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	
GW-AA-P-3-126	8/12/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-126	8/12/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-P-3-126	8/12/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	
GW-AA-P-3-126	8/12/2002	Pesticides	Endrin	ug/L	0.1	2	U	
GW-AA-P-3-126	8/12/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	
GW-AA-P-3-126	8/12/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-P-3-126	8/12/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-P-3-126	8/12/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-P-3-126	8/12/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	
GW-AA-P-3-126	8/12/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-P-3-126	8/12/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-P-3-126	8/12/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-P-3-126	8/12/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-P-3-126	8/12/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-P-3-126	8/12/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-P-3-126	8/12/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-P-3-126	8/12/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-P-3-126	8/12/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-P-3-126	8/12/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-P-3-126	8/12/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-P-3-126	8/12/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-P-3-126	8/12/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-P-3-126	8/12/2002	Metals	Aluminum	mg/l	3			
GW-AA-P-3-126	8/12/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-P-3-126	8/12/2002	Metals	Arsenic	mg/l	0.0043	0.05	B	J
GW-AA-P-3-126	8/12/2002	Metals	Barium	mg/l	0.15	2		
GW-AA-P-3-126	8/12/2002	Metals	Beryllium	mg/l	0.00024	0.004	B	
GW-AA-P-3-126	8/12/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-P-3-126	8/12/2002	Metals	Calcium	mg/l	310			
GW-AA-P-3-126	8/12/2002	Metals	Chromium	mg/l	0.12	0.1		
GW-AA-P-3-126	8/12/2002	Metals	Cobalt	mg/l	0.0045	1	B	
GW-AA-P-3-126	8/12/2002	Metals	Copper	mg/l	0.053	0.65		U
GW-AA-P-3-126	8/12/2002	Metals	Iron	mg/l	75	5		
GW-AA-P-3-126	8/12/2002	Metals	Lead	mg/l	0.0042	0.0075	B	
GW-AA-P-3-126	8/12/2002	Metals	Magnesium	mg/l	80			
GW-AA-P-3-126	8/12/2002	Metals	Manganese	mg/l	1.2	0.15		
GW-AA-P-3-126	8/12/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-P-3-126	8/12/2002	Metals	Nickel	mg/l	0.028	0.1	B	
GW-AA-P-3-126	8/12/2002	Metals	Potassium	mg/l	12		E	J
GW-AA-P-3-126	8/12/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-P-3-126	8/12/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-P-3-126	8/12/2002	Metals	Sodium	mg/l	140			
GW-AA-P-3-126	8/12/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-P-3-126	8/12/2002	Metals	Vanadium	mg/l	0.008	0.049	B	
GW-AA-P-3-126	8/12/2002	Metals	Zinc	mg/l	0.15	5		
GW-AA-P-3-126	8/12/2002	Other	Alkalinity, Total (as CACO3)	mg/l	520			
GW-AA-P-3-126	8/12/2002	Other	Carbon Dioxide	mg/l	220			
GW-AA-P-3-126	8/12/2002	Other	Methane	ug/L	59			J
GW-AA-P-3-126	8/12/2002	Other	Nitrate-N	mg/l	0.05	10	U	
GW-AA-P-3-126	8/12/2002	Other	Sulfate as SO4	mg/l	370	400		
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	UJ
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	UJ
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-P-3-126-Filtered	8/12/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Antimony	mg/l	0.02	0.006	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Arsenic	mg/l	0.0031	0.05	B	J
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Barium	mg/l	0.08	2		
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Calcium	mg/l	320			
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Copper	mg/l	0.02	0.65	U	U
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Iron	mg/l	55	5		
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Magnesium	mg/l	82			
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Manganese	mg/l	1	0.15		
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Nickel	mg/l	0.008	0.1	B	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Potassium	mg/l	11		E	J
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Sodium	mg/l	140			
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Thallium	mg/l	0.01	0.002	U	U
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Vanadium	mg/l	0.0018	0.049	B	
GW-AA-P-3-126-Filtered	8/12/2002	Metals	Zinc	mg/l	0.03	5		
AA-P-4-82	5/17/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-4-82	5/17/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-4-82	5/17/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-4-82	5/17/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-4-82	5/17/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-4-82	5/17/2005	VOCs	1,2-Dichloroethane	ug/L	0.3	5	J	
AA-P-4-82	5/17/2005	VOCs	1,2-Dichloroethene (total)	ug/L	1.3		J	
AA-P-4-82	5/17/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-4-82	5/17/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-P-4-82	5/17/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-4-82	5/17/2005	VOCs	Acetone	ug/L	25	6300	U	
AA-P-4-82	5/17/2005	VOCs	Benzene	ug/L	1	5	U	
AA-P-4-82	5/17/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-4-82	5/17/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-P-4-82	5/17/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-P-4-82	5/17/2005	VOCs	Carbon Disulfide	ug/L	1	700	U	
AA-P-4-82	5/17/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-4-82	5/17/2005	VOCs	Chlorobenzene	ug/L	200	100	D	
AA-P-4-82	5/17/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-4-82	5/17/2005	VOCs	Chloroethane	ug/L	1		U	
AA-P-4-82	5/17/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-4-82	5/17/2005	VOCs	Chloromethane	ug/L	1		U	
AA-P-4-82	5/17/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-4-82	5/17/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-P-4-82	5/17/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-4-82	5/17/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-P-4-82	5/17/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-4-82	5/17/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-4-82	5/17/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-P-4-82	5/17/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-4-82	5/17/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-4-82	5/17/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-4-82	5/17/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-4-82	5/17/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.3	70	U	
AA-P-4-82	5/17/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.3	600	U	
AA-P-4-82	5/17/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.3	75	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-4-82	5/17/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.3	700	U	
AA-P-4-82	5/17/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.3	10	U	
AA-P-4-82	5/17/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.3	21	U	
AA-P-4-82	5/17/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.3	140	U	
AA-P-4-82	5/17/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-P-4-82	5/17/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.3	0.02	U	
AA-P-4-82	5/17/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.3	0.31	U	
AA-P-4-82	5/17/2005	SVOCs	2-Chloronaphthalene	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	2-Chlorophenol	ug/L	1.6	35	J	
AA-P-4-82	5/17/2005	SVOCs	2-Methylnaphthalene	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.3	350	U	
AA-P-4-82	5/17/2005	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-P-4-82	5/17/2005	SVOCs	2-Nitrophenol	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-4-82	5/17/2005	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-P-4-82	5/17/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
AA-P-4-82	5/17/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-P-4-82	5/17/2005	SVOCs	Acenaphthene	ug/L	9.3	420	U	
AA-P-4-82	5/17/2005	SVOCs	Acenaphthylene	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	Anthracene	ug/L	9.3	2100	U	
AA-P-4-82	5/17/2005	SVOCs	Benzo(a)anthracene	ug/L	9.3	0.13	U	
AA-P-4-82	5/17/2005	SVOCs	Benzo(a)pyrene	ug/L	1.9	0.2	J	
AA-P-4-82	5/17/2005	SVOCs	Benzo(b)fluoranthene	ug/L	1.3	0.18	J	
AA-P-4-82	5/17/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	1.6		J	
AA-P-4-82	5/17/2005	SVOCs	Benzo(k)fluoranthene	ug/L	2.5	0.17	J	
AA-P-4-82	5/17/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.3	1400	U	
AA-P-4-82	5/17/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.3	10	U	
AA-P-4-82	5/17/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.3	6	U	
AA-P-4-82	5/17/2005	SVOCs	Carbazole	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	Chrysene	ug/L	9.3	1.5	U	
AA-P-4-82	5/17/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	1.9	0.3	J	
AA-P-4-82	5/17/2005	SVOCs	Dibenzofuran	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	Diethyl Phthalate	ug/L	9.3	5600	U	
AA-P-4-82	5/17/2005	SVOCs	Dimethyl Phthalate	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	Di-n-butylphthalate	ug/L	9.3	700	U	
AA-P-4-82	5/17/2005	SVOCs	Di-n-octylphthalate	ug/L	9.3	140	U	
AA-P-4-82	5/17/2005	SVOCs	Dinoseb	ug/L	9.3	7	U	
AA-P-4-82	5/17/2005	SVOCs	Fluoranthene	ug/L	9.3	280	U	
AA-P-4-82	5/17/2005	SVOCs	Fluorene	ug/L	9.3	280	U	
AA-P-4-82	5/17/2005	SVOCs	Hexachlorobenzene	ug/L	9.3	0.06	U	
AA-P-4-82	5/17/2005	SVOCs	Hexachlorobutadiene	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.3	50	U	
AA-P-4-82	5/17/2005	SVOCs	Hexachloroethane	ug/L	9.3	7	U	
AA-P-4-82	5/17/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	1.5	0.43	J	
AA-P-4-82	5/17/2005	SVOCs	Isophorone	ug/L	9.3	1400	U	
AA-P-4-82	5/17/2005	SVOCs	Naphthalene	ug/L	9.3	140	U	
AA-P-4-82	5/17/2005	SVOCs	Nitrobenzene	ug/L	9.3	3.5	U	
AA-P-4-82	5/17/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.3	1.8	U	
AA-P-4-82	5/17/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.3	3.2	U	
AA-P-4-82	5/17/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-4-82	5/17/2005	SVOCs	Phenanthrene	ug/L	9.3		U	
AA-P-4-82	5/17/2005	SVOCs	Phenol	ug/L	9.3	100	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-4-82	5/17/2005	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-P-4-82	5/17/2005	SVOCs	Pyrene	ug/L	9.3	210	U	
AA-P-4-82	5/17/2005	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-P-4-82	5/17/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-P-4-82	5/17/2005	Herbicides	2,4-D	ug/L	0.45	70	J	U
AA-P-4-82	5/17/2005	Herbicides	2,4-DB	ug/L	0.48		U	
AA-P-4-82	5/17/2005	Herbicides	Dalapon	ug/L	9.6	200	U	
AA-P-4-82	5/17/2005	Herbicides	Dicamba	ug/L	0.48		U	
AA-P-4-82	5/17/2005	Herbicides	Dichlorprop	ug/L	0.42		J	
AA-P-4-82	5/17/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-4-82	5/17/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-4-82	5/17/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-P-4-82	5/17/2005	Metals	Aluminum	mg/l	9.7			
AA-P-4-82	5/17/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-4-82	5/17/2005	Metals	Arsenic	mg/l	0.014	0.05		
AA-P-4-82	5/17/2005	Metals	Barium	mg/l	0.23	2		
AA-P-4-82	5/17/2005	Metals	Beryllium	mg/l	0.00065	0.004	J	
AA-P-4-82	5/17/2005	Metals	Cadmium	mg/l	0.0011	0.005	J	
AA-P-4-82	5/17/2005	Metals	Calcium	mg/l	530			
AA-P-4-82	5/17/2005	Metals	Chromium	mg/l	0.11	0.1		
AA-P-4-82	5/17/2005	Metals	Cobalt	mg/l	0.016	1		
AA-P-4-82	5/17/2005	Metals	Copper	mg/l	0.036	0.65		
AA-P-4-82	5/17/2005	Metals	Iron	mg/l	120	5		
AA-P-4-82	5/17/2005	Metals	Lead	mg/l	0.029	0.0075		
AA-P-4-82	5/17/2005	Metals	Magnesium	mg/l	100			
AA-P-4-82	5/17/2005	Metals	Manganese	mg/l	8.3	0.15		
AA-P-4-82	5/17/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-4-82	5/17/2005	Metals	Nickel	mg/l	0.08	0.1		
AA-P-4-82	5/17/2005	Metals	Potassium	mg/l	19			J
AA-P-4-82	5/17/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-4-82	5/17/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-4-82	5/17/2005	Metals	Sodium	mg/l	150			
AA-P-4-82	5/17/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-4-82	5/17/2005	Metals	Vanadium	mg/l	0.035	0.049		
AA-P-4-82	5/17/2005	Metals	Zinc	mg/l	0.22	5		
AA-P-4-82	5/17/2005	Other	Ammonia	mg/l	0.84			
AA-P-4-102	5/17/2005	VOCs	1,1,1-Trichloroethane	ug/L	2	200	U	
AA-P-4-102	5/17/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	2		U	
AA-P-4-102	5/17/2005	VOCs	1,1,2-Trichloroethane	ug/L	2	5	U	
AA-P-4-102	5/17/2005	VOCs	1,1-Dichloroethane	ug/L	2	700	U	
AA-P-4-102	5/17/2005	VOCs	1,1-Dichloroethylene	ug/L	2	7	U	
AA-P-4-102	5/17/2005	VOCs	1,2-Dichloroethane	ug/L	2	5	U	
AA-P-4-102	5/17/2005	VOCs	1,2-Dichloroethene (total)	ug/L	4		U	
AA-P-4-102	5/17/2005	VOCs	1,2-Dichloropropane	ug/L	2	5	U	
AA-P-4-102	5/17/2005	VOCs	2-Butanone (MEK)	ug/L	20		U	
AA-P-4-102	5/17/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	20		U	
AA-P-4-102	5/17/2005	VOCs	Acetone	ug/L	50	6300	U	
AA-P-4-102	5/17/2005	VOCs	Benzene	ug/L	3.5	5		
AA-P-4-102	5/17/2005	VOCs	Bromodichloromethane	ug/L	2	0.2	U	
AA-P-4-102	5/17/2005	VOCs	Bromoform	ug/L	2	1	U	
AA-P-4-102	5/17/2005	VOCs	Bromomethane	ug/L	2	9.8	U	
AA-P-4-102	5/17/2005	VOCs	Carbon Disulfide	ug/L	1.5	700	J	
AA-P-4-102	5/17/2005	VOCs	Carbon Tetrachloride	ug/L	2	5	U	
AA-P-4-102	5/17/2005	VOCs	Chlorobenzene	ug/L	500	100	D	
AA-P-4-102	5/17/2005	VOCs	Chlorodibromomethane	ug/L	2	140	U	
AA-P-4-102	5/17/2005	VOCs	Chloroethane	ug/L	2		U	
AA-P-4-102	5/17/2005	VOCs	Chloroform	ug/L	2	0.2	U	
AA-P-4-102	5/17/2005	VOCs	Chloromethane	ug/L	2		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-4-102	5/17/2005	VOCs	cis-1,3-Dichloropropene	ug/L	2		U	
AA-P-4-102	5/17/2005	VOCs	Dichloromethane	ug/L	2	5	U	
AA-P-4-102	5/17/2005	VOCs	Ethylbenzene	ug/L	2	700	U	
AA-P-4-102	5/17/2005	VOCs	Methyl N-Butyl Ketone	ug/L	20		U	
AA-P-4-102	5/17/2005	VOCs	Styrene (Monomer)	ug/L	2	100	U	
AA-P-4-102	5/17/2005	VOCs	Tetrachloroethene	ug/L	2	5	U	
AA-P-4-102	5/17/2005	VOCs	Toluene	ug/L	2	1000	U	
AA-P-4-102	5/17/2005	VOCs	trans-1,3-Dichloropropene	ug/L	2		U	
AA-P-4-102	5/17/2005	VOCs	Trichloroethene	ug/L	2	5	U	
AA-P-4-102	5/17/2005	VOCs	Vinyl chloride	ug/L	2	2	U	
AA-P-4-102	5/17/2005	VOCs	Xylenes, Total	ug/L	4	10000	U	
AA-P-4-102	5/17/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.3	70	U	
AA-P-4-102	5/17/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.3	600	U	
AA-P-4-102	5/17/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.8	75		
AA-P-4-102	5/17/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.3	700	U	
AA-P-4-102	5/17/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.3	10	U	
AA-P-4-102	5/17/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.3	21	U	
AA-P-4-102	5/17/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.3	140	U	
AA-P-4-102	5/17/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-P-4-102	5/17/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.3	0.02	U	
AA-P-4-102	5/17/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.3	0.31	U	
AA-P-4-102	5/17/2005	SVOCs	2-Chloronaphthalene	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	2-Chlorophenol	ug/L	1.7	35	J	
AA-P-4-102	5/17/2005	SVOCs	2-Methylnaphthalene	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.3	350	U	
AA-P-4-102	5/17/2005	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-P-4-102	5/17/2005	SVOCs	2-Nitrophenol	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-4-102	5/17/2005	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-P-4-102	5/17/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
AA-P-4-102	5/17/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-P-4-102	5/17/2005	SVOCs	Acenaphthene	ug/L	9.3	420	U	
AA-P-4-102	5/17/2005	SVOCs	Acenaphthylene	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	Anthracene	ug/L	9.3	2100	U	
AA-P-4-102	5/17/2005	SVOCs	Benzo(a)anthracene	ug/L	9.3	0.13	U	
AA-P-4-102	5/17/2005	SVOCs	Benzo(a)pyrene	ug/L	9.3	0.2	U	
AA-P-4-102	5/17/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.3	0.18	U	
AA-P-4-102	5/17/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	1.1		J	
AA-P-4-102	5/17/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.3	0.17	U	
AA-P-4-102	5/17/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.3	1400	U	
AA-P-4-102	5/17/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.3	10	U	
AA-P-4-102	5/17/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.3	6	U	
AA-P-4-102	5/17/2005	SVOCs	Carbazole	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	Chrysene	ug/L	9.3	1.5	U	
AA-P-4-102	5/17/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	0.98	0.3	J	
AA-P-4-102	5/17/2005	SVOCs	Dibenzofuran	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	Diethyl Phthalate	ug/L	9.3	5600	U	
AA-P-4-102	5/17/2005	SVOCs	Dimethyl Phthalate	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	Di-n-butylphthalate	ug/L	9.3	700	U	
AA-P-4-102	5/17/2005	SVOCs	Di-n-octylphthalate	ug/L	9.3	140	U	
AA-P-4-102	5/17/2005	SVOCs	Dinoseb	ug/L	9.3	7	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-4-102	5/17/2005	SVOCs	Fluoranthene	ug/L	9.3	280	U	
AA-P-4-102	5/17/2005	SVOCs	Fluorene	ug/L	9.3	280	U	
AA-P-4-102	5/17/2005	SVOCs	Hexachlorobenzene	ug/L	9.3	0.06	U	
AA-P-4-102	5/17/2005	SVOCs	Hexachlorobutadiene	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.3	50	U	
AA-P-4-102	5/17/2005	SVOCs	Hexachloroethane	ug/L	9.3	7	U	
AA-P-4-102	5/17/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	0.82	0.43	J	
AA-P-4-102	5/17/2005	SVOCs	Isophorone	ug/L	9.3	1400	U	
AA-P-4-102	5/17/2005	SVOCs	Naphthalene	ug/L	9.3	140	U	
AA-P-4-102	5/17/2005	SVOCs	Nitrobenzene	ug/L	9.3	3.5	U	
AA-P-4-102	5/17/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.3	1.8	U	
AA-P-4-102	5/17/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.3	3.2	U	
AA-P-4-102	5/17/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-4-102	5/17/2005	SVOCs	Phenanthrene	ug/L	9.3		U	
AA-P-4-102	5/17/2005	SVOCs	Phenol	ug/L	9.3	100	U	
AA-P-4-102	5/17/2005	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-P-4-102	5/17/2005	SVOCs	Pyrene	ug/L	9.3	210	U	
AA-P-4-102	5/17/2005	Herbicides	2,4,5-T	ug/L	0.49		U	
AA-P-4-102	5/17/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
AA-P-4-102	5/17/2005	Herbicides	2,4-D	ug/L	2.1	70		
AA-P-4-102	5/17/2005	Herbicides	2,4-DB	ug/L	0.49		U	
AA-P-4-102	5/17/2005	Herbicides	Dalapon	ug/L	9.7	200	U	
AA-P-4-102	5/17/2005	Herbicides	Dicamba	ug/L	0.49		U	
AA-P-4-102	5/17/2005	Herbicides	Dichlorprop	ug/L	0.49		U	
AA-P-4-102	5/17/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	54		JP	
AA-P-4-102	5/17/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-4-102	5/17/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-P-4-102	5/17/2005	Metals	Aluminum	mg/l	26			
AA-P-4-102	5/17/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-4-102	5/17/2005	Metals	Arsenic	mg/l	0.021	0.05		
AA-P-4-102	5/17/2005	Metals	Barium	mg/l	0.55	2		
AA-P-4-102	5/17/2005	Metals	Beryllium	mg/l	0.0015	0.004	J	
AA-P-4-102	5/17/2005	Metals	Cadmium	mg/l	0.0034	0.005	J	
AA-P-4-102	5/17/2005	Metals	Calcium	mg/l	540			
AA-P-4-102	5/17/2005	Metals	Chromium	mg/l	0.55	0.1		
AA-P-4-102	5/17/2005	Metals	Cobalt	mg/l	0.028	1		
AA-P-4-102	5/17/2005	Metals	Copper	mg/l	0.13	0.65		
AA-P-4-102	5/17/2005	Metals	Iron	mg/l	170	5		
AA-P-4-102	5/17/2005	Metals	Lead	mg/l	0.032	0.0075		
AA-P-4-102	5/17/2005	Metals	Magnesium	mg/l	120			
AA-P-4-102	5/17/2005	Metals	Manganese	mg/l	12	0.15		
AA-P-4-102	5/17/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-4-102	5/17/2005	Metals	Nickel	mg/l	0.16	0.1		
AA-P-4-102	5/17/2005	Metals	Potassium	mg/l	29			
AA-P-4-102	5/17/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-4-102	5/17/2005	Metals	Silver	mg/l	0.0011	0.05	J	
AA-P-4-102	5/17/2005	Metals	Sodium	mg/l	170			
AA-P-4-102	5/17/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-4-102	5/17/2005	Metals	Vanadium	mg/l	0.066	0.049		
AA-P-4-102	5/17/2005	Metals	Zinc	mg/l	2.9	5		
AA-P-4-102	5/17/2005	Other	Ammonia	mg/l	0.87			
AA-P-4-112	5/17/2005	VOCs	1,1,1-Trichloroethane	ug/L	10	200	U	
AA-P-4-112	5/17/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	10		U	
AA-P-4-112	5/17/2005	VOCs	1,1,2-Trichloroethane	ug/L	10	5	U	
AA-P-4-112	5/17/2005	VOCs	1,1-Dichloroethane	ug/L	10	700	U	
AA-P-4-112	5/17/2005	VOCs	1,1-Dichloroethylene	ug/L	10	7	U	
AA-P-4-112	5/17/2005	VOCs	1,2-Dichloroethane	ug/L	10	5	U	
AA-P-4-112	5/17/2005	VOCs	1,2-Dichloroethene (total)	ug/L	20		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-4-112	5/17/2005	VOCs	1,2-Dichloropropane	ug/L	10	5	U	
AA-P-4-112	5/17/2005	VOCs	2-Butanone (MEK)	ug/L	100		U	
AA-P-4-112	5/17/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	100		U	
AA-P-4-112	5/17/2005	VOCs	Acetone	ug/L	250	6300	U	
AA-P-4-112	5/17/2005	VOCs	Benzene	ug/L	15	5		
AA-P-4-112	5/17/2005	VOCs	Bromodichloromethane	ug/L	10	0.2	U	
AA-P-4-112	5/17/2005	VOCs	Bromoform	ug/L	10	1	U	
AA-P-4-112	5/17/2005	VOCs	Bromomethane	ug/L	10	9.8	U	
AA-P-4-112	5/17/2005	VOCs	Carbon Disulfide	ug/L	10	700	U	
AA-P-4-112	5/17/2005	VOCs	Carbon Tetrachloride	ug/L	10	5	U	
AA-P-4-112	5/17/2005	VOCs	Chlorobenzene	ug/L	630	100		
AA-P-4-112	5/17/2005	VOCs	Chlorodibromomethane	ug/L	10	140	U	
AA-P-4-112	5/17/2005	VOCs	Chloroethane	ug/L	10		U	
AA-P-4-112	5/17/2005	VOCs	Chloroform	ug/L	10	0.2	U	
AA-P-4-112	5/17/2005	VOCs	Chloromethane	ug/L	10		U	
AA-P-4-112	5/17/2005	VOCs	cis-1,3-Dichloropropene	ug/L	10		U	
AA-P-4-112	5/17/2005	VOCs	Dichloromethane	ug/L	10	5	U	
AA-P-4-112	5/17/2005	VOCs	Ethylbenzene	ug/L	10	700	U	
AA-P-4-112	5/17/2005	VOCs	Methyl N-Butyl Ketone	ug/L	100		U	
AA-P-4-112	5/17/2005	VOCs	Styrene (Monomer)	ug/L	10	100	U	
AA-P-4-112	5/17/2005	VOCs	Tetrachloroethene	ug/L	10	5	U	
AA-P-4-112	5/17/2005	VOCs	Toluene	ug/L	10	1000	U	
AA-P-4-112	5/17/2005	VOCs	trans-1,3-Dichloropropene	ug/L	10		U	
AA-P-4-112	5/17/2005	VOCs	Trichloroethene	ug/L	10	5	U	
AA-P-4-112	5/17/2005	VOCs	Vinyl chloride	ug/L	10	2	U	
AA-P-4-112	5/17/2005	VOCs	Xylenes, Total	ug/L	20	10000	U	
AA-P-4-112	5/17/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.8	70	U	
AA-P-4-112	5/17/2005	SVOCs	1,2-Dichlorobenzene	ug/L	2.4	600	J	
AA-P-4-112	5/17/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	1,4-Dichlorobenzene	ug/L	27	75		
AA-P-4-112	5/17/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.8	700	U	
AA-P-4-112	5/17/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.8	10	U	
AA-P-4-112	5/17/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.8	21	U	
AA-P-4-112	5/17/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.8	140	U	
AA-P-4-112	5/17/2005	SVOCs	2,4-Dinitrophenol	ug/L	49	14	U	
AA-P-4-112	5/17/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.8	0.02	U	
AA-P-4-112	5/17/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.8	0.31	U	
AA-P-4-112	5/17/2005	SVOCs	2-Chloronaphthalene	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	2-Chlorophenol	ug/L	4	35	J	
AA-P-4-112	5/17/2005	SVOCs	2-Methylnaphthalene	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.8	350	U	
AA-P-4-112	5/17/2005	SVOCs	2-Nitroaniline	ug/L	49		U	
AA-P-4-112	5/17/2005	SVOCs	2-Nitrophenol	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
AA-P-4-112	5/17/2005	SVOCs	3-Nitroaniline	ug/L	49		U	
AA-P-4-112	5/17/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	49		U	
AA-P-4-112	5/17/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	4-Nitrophenol	ug/L	49		U	
AA-P-4-112	5/17/2005	SVOCs	Acenaphthene	ug/L	9.8	420	U	
AA-P-4-112	5/17/2005	SVOCs	Acenaphthylene	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	Anthracene	ug/L	9.8	2100	U	
AA-P-4-112	5/17/2005	SVOCs	Benzo(a)anthracene	ug/L	9.8	0.13	U	
AA-P-4-112	5/17/2005	SVOCs	Benzo(a)pyrene	ug/L	9.8	0.2	U	
AA-P-4-112	5/17/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.8	0.18	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-4-112	5/17/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.8	0.17	U	
AA-P-4-112	5/17/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.8	1400	U	
AA-P-4-112	5/17/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.8	10	U	
AA-P-4-112	5/17/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.8	6	U	
AA-P-4-112	5/17/2005	SVOCs	Carbazole	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	Chrysene	ug/L	9.8	1.5	U	
AA-P-4-112	5/17/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.8	0.3	U	
AA-P-4-112	5/17/2005	SVOCs	Dibenzofuran	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	Diethyl Phthalate	ug/L	9.8	5600	U	
AA-P-4-112	5/17/2005	SVOCs	Dimethyl Phthalate	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	Di-n-butylphthalate	ug/L	9.8	700	U	
AA-P-4-112	5/17/2005	SVOCs	Di-n-octylphthalate	ug/L	9.8	140	U	
AA-P-4-112	5/17/2005	SVOCs	Dinoseb	ug/L	9.8	7	U	
AA-P-4-112	5/17/2005	SVOCs	Fluoranthene	ug/L	9.8	280	U	
AA-P-4-112	5/17/2005	SVOCs	Fluorene	ug/L	9.8	280	U	
AA-P-4-112	5/17/2005	SVOCs	Hexachlorobenzene	ug/L	9.8	0.06	U	
AA-P-4-112	5/17/2005	SVOCs	Hexachlorobutadiene	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.8	50	U	
AA-P-4-112	5/17/2005	SVOCs	Hexachloroethane	ug/L	9.8	7	U	
AA-P-4-112	5/17/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.8	0.43	U	
AA-P-4-112	5/17/2005	SVOCs	Isophorone	ug/L	9.8	1400	U	
AA-P-4-112	5/17/2005	SVOCs	Naphthalene	ug/L	9.8	140	U	
AA-P-4-112	5/17/2005	SVOCs	Nitrobenzene	ug/L	9.8	3.5	U	
AA-P-4-112	5/17/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.8	1.8	U	
AA-P-4-112	5/17/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.8	3.2	U	
AA-P-4-112	5/17/2005	SVOCs	P-Chloroaniline	ug/L	20	28	U	
AA-P-4-112	5/17/2005	SVOCs	Phenanthrene	ug/L	9.8		U	
AA-P-4-112	5/17/2005	SVOCs	Phenol	ug/L	9.8	100	U	
AA-P-4-112	5/17/2005	SVOCs	P-Nitroaniline	ug/L	49		U	
AA-P-4-112	5/17/2005	SVOCs	Pyrene	ug/L	9.8	210	U	
AA-P-4-112	5/17/2005	Herbicides	2,4,5-T	ug/L	0.1		J	
AA-P-4-112	5/17/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
AA-P-4-112	5/17/2005	Herbicides	2,4-D	ug/L	0.49	70	U	
AA-P-4-112	5/17/2005	Herbicides	2,4-DB	ug/L	2.4			
AA-P-4-112	5/17/2005	Herbicides	Dalapon	ug/L	9.8	200	U	
AA-P-4-112	5/17/2005	Herbicides	Dicamba	ug/L	0.49		U	
AA-P-4-112	5/17/2005	Herbicides	Dichlorprop	ug/L	0.49		U	
AA-P-4-112	5/17/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-4-112	5/17/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-4-112	5/17/2005	Herbicides	Pentachlorophenol	ug/L	0.22	1	J	U
AA-P-4-112	5/17/2005	Metals	Aluminum	mg/l	12			
AA-P-4-112	5/17/2005	Metals	Antimony	mg/l	0.0067	0.006	J	
AA-P-4-112	5/17/2005	Metals	Arsenic	mg/l	0.027	0.05		
AA-P-4-112	5/17/2005	Metals	Barium	mg/l	0.32	2		
AA-P-4-112	5/17/2005	Metals	Beryllium	mg/l	0.0012	0.004	J	
AA-P-4-112	5/17/2005	Metals	Cadmium	mg/l	0.0035	0.005	J	
AA-P-4-112	5/17/2005	Metals	Calcium	mg/l	710			
AA-P-4-112	5/17/2005	Metals	Chromium	mg/l	0.27	0.1		
AA-P-4-112	5/17/2005	Metals	Cobalt	mg/l	0.15	1		
AA-P-4-112	5/17/2005	Metals	Copper	mg/l	0.098	0.65		
AA-P-4-112	5/17/2005	Metals	Iron	mg/l	170	5		
AA-P-4-112	5/17/2005	Metals	Lead	mg/l	0.033	0.0075		
AA-P-4-112	5/17/2005	Metals	Magnesium	mg/l	180			
AA-P-4-112	5/17/2005	Metals	Manganese	mg/l	21	0.15		
AA-P-4-112	5/17/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-4-112	5/17/2005	Metals	Nickel	mg/l	0.16	0.1		

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-4-112	5/17/2005	Metals	Potassium	mg/l	32			
AA-P-4-112	5/17/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-4-112	5/17/2005	Metals	Silver	mg/l	0.0015	0.05	J	
AA-P-4-112	5/17/2005	Metals	Sodium	mg/l	170			
AA-P-4-112	5/17/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-4-112	5/17/2005	Metals	Vanadium	mg/l	0.062	0.049		
AA-P-4-112	5/17/2005	Metals	Zinc	mg/l	95	5		
AA-P-4-112	5/17/2005	Other	Ammonia	mg/l	0.92			
AA-P-5-74	5/5/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-5-74	5/5/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-5-74	5/5/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-5-74	5/5/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-5-74	5/5/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-5-74	5/5/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-5-74	5/5/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-P-5-74	5/5/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-5-74	5/5/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	UJ
AA-P-5-74	5/5/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-5-74	5/5/2005	VOCs	Acetone	ug/L	25	6300	U	UJ
AA-P-5-74	5/5/2005	VOCs	Benzene	ug/L	1	5	U	
AA-P-5-74	5/5/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-5-74	5/5/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-P-5-74	5/5/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-P-5-74	5/5/2005	VOCs	Carbon Disulfide	ug/L	2.1	700		
AA-P-5-74	5/5/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-5-74	5/5/2005	VOCs	Chlorobenzene	ug/L	7.2	100		
AA-P-5-74	5/5/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-5-74	5/5/2005	VOCs	Chloroethane	ug/L	1		U	
AA-P-5-74	5/5/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-5-74	5/5/2005	VOCs	Chloromethane	ug/L	1		U	
AA-P-5-74	5/5/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-5-74	5/5/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-P-5-74	5/5/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-5-74	5/5/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	UJ
AA-P-5-74	5/5/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-5-74	5/5/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-5-74	5/5/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-P-5-74	5/5/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-5-74	5/5/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-5-74	5/5/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-5-74	5/5/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-5-74	5/5/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.5	70	U	
AA-P-5-74	5/5/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.5	600	U	
AA-P-5-74	5/5/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.5	75	U	
AA-P-5-74	5/5/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.5	700	U	
AA-P-5-74	5/5/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.5	10	U	
AA-P-5-74	5/5/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.5	21	U	
AA-P-5-74	5/5/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.5	140	U	
AA-P-5-74	5/5/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	14	U	
AA-P-5-74	5/5/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.5	0.02	U	
AA-P-5-74	5/5/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.5	0.31	U	
AA-P-5-74	5/5/2005	SVOCs	2-Chloronaphthalene	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	2-Chlorophenol	ug/L	9.5	35	U	
AA-P-5-74	5/5/2005	SVOCs	2-Methylnaphthalene	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.5	350	U	
AA-P-5-74	5/5/2005	SVOCs	2-Nitroaniline	ug/L	48		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-5-74	5/5/2005	SVOCs	2-Nitrophenol	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-5-74	5/5/2005	SVOCs	3-Nitroaniline	ug/L	48		U	
AA-P-5-74	5/5/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48		U	
AA-P-5-74	5/5/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	4-Nitrophenol	ug/L	48		U	
AA-P-5-74	5/5/2005	SVOCs	Acenaphthene	ug/L	9.5	420	U	
AA-P-5-74	5/5/2005	SVOCs	Acenaphthylene	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	Anthracene	ug/L	9.5	2100	U	
AA-P-5-74	5/5/2005	SVOCs	Benzo(a)anthracene	ug/L	9.5	0.13	U	
AA-P-5-74	5/5/2005	SVOCs	Benzo(a)pyrene	ug/L	9.5	0.2	U	
AA-P-5-74	5/5/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.5	0.18	U	
AA-P-5-74	5/5/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.5	0.17	U	
AA-P-5-74	5/5/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.5	1400	U	
AA-P-5-74	5/5/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.5	10	U	
AA-P-5-74	5/5/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.5	6	U	
AA-P-5-74	5/5/2005	SVOCs	Carbazole	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	Chrysene	ug/L	9.5	1.5	U	
AA-P-5-74	5/5/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.5	0.3	U	
AA-P-5-74	5/5/2005	SVOCs	Dibenzofuran	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	Diethyl Phthalate	ug/L	9.5	5600	U	
AA-P-5-74	5/5/2005	SVOCs	Dimethyl Phthalate	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	Di-n-butylphthalate	ug/L	9.5	700	U	
AA-P-5-74	5/5/2005	SVOCs	Di-n-octylphthalate	ug/L	9.5	140	U	
AA-P-5-74	5/5/2005	SVOCs	Dinoseb	ug/L	9.5	7	U	UJ
AA-P-5-74	5/5/2005	SVOCs	Fluoranthene	ug/L	9.5	280	U	
AA-P-5-74	5/5/2005	SVOCs	Fluorene	ug/L	9.5	280	U	
AA-P-5-74	5/5/2005	SVOCs	Hexachlorobenzene	ug/L	9.5	0.06	U	
AA-P-5-74	5/5/2005	SVOCs	Hexachlorobutadiene	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.5	50	U	
AA-P-5-74	5/5/2005	SVOCs	Hexachloroethane	ug/L	9.5	7	U	
AA-P-5-74	5/5/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.5	0.43	U	
AA-P-5-74	5/5/2005	SVOCs	Isophorone	ug/L	9.5	1400	U	
AA-P-5-74	5/5/2005	SVOCs	Naphthalene	ug/L	9.5	140	U	
AA-P-5-74	5/5/2005	SVOCs	Nitrobenzene	ug/L	9.5	3.5	U	
AA-P-5-74	5/5/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.5	1.8	U	
AA-P-5-74	5/5/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.5	3.2	U	
AA-P-5-74	5/5/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-5-74	5/5/2005	SVOCs	Phenanthrene	ug/L	9.5		U	
AA-P-5-74	5/5/2005	SVOCs	Phenol	ug/L	9.5	100	U	
AA-P-5-74	5/5/2005	SVOCs	P-Nitroaniline	ug/L	48		U	
AA-P-5-74	5/5/2005	SVOCs	Pyrene	ug/L	9.5	210	U	
AA-P-5-74	5/5/2005	Herbicides	2,4,5-T	ug/L	0.5		U	
AA-P-5-74	5/5/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
AA-P-5-74	5/5/2005	Herbicides	2,4-D	ug/L	0.5	70	U	
AA-P-5-74	5/5/2005	Herbicides	2,4-DB	ug/L	0.5		U	
AA-P-5-74	5/5/2005	Herbicides	Dalapon	ug/L	120	200	U	
AA-P-5-74	5/5/2005	Herbicides	Dicamba	ug/L	1.2		U	
AA-P-5-74	5/5/2005	Herbicides	Dichlorprop	ug/L	6		U	
AA-P-5-74	5/5/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-5-74	5/5/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-5-74	5/5/2005	Herbicides	Pentachlorophenol	ug/L	1	1	U	
AA-P-5-74	5/5/2005	Metals	Aluminum	mg/l	29			

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-5-74	5/5/2005	Metals	Antimony	mg/l	0.005	0.006	J	
AA-P-5-74	5/5/2005	Metals	Arsenic	mg/l	0.026	0.05		
AA-P-5-74	5/5/2005	Metals	Barium	mg/l	0.82	2		
AA-P-5-74	5/5/2005	Metals	Beryllium	mg/l	0.0019	0.004	J	
AA-P-5-74	5/5/2005	Metals	Cadmium	mg/l	0.0034	0.005	J	
AA-P-5-74	5/5/2005	Metals	Calcium	mg/l	340			
AA-P-5-74	5/5/2005	Metals	Chromium	mg/l	0.61	0.1		
AA-P-5-74	5/5/2005	Metals	Cobalt	mg/l	0.049	1		
AA-P-5-74	5/5/2005	Metals	Copper	mg/l	0.23	0.65		
AA-P-5-74	5/5/2005	Metals	Iron	mg/l	180	5		
AA-P-5-74	5/5/2005	Metals	Lead	mg/l	0.054	0.0075		
AA-P-5-74	5/5/2005	Metals	Magnesium	mg/l	76			
AA-P-5-74	5/5/2005	Metals	Manganese	mg/l	4.3	0.15		
AA-P-5-74	5/5/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-5-74	5/5/2005	Metals	Nickel	mg/l	0.21	0.1		
AA-P-5-74	5/5/2005	Metals	Potassium	mg/l	22			
AA-P-5-74	5/5/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-5-74	5/5/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-5-74	5/5/2005	Metals	Sodium	mg/l	110			
AA-P-5-74	5/5/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-5-74	5/5/2005	Metals	Vanadium	mg/l	0.065	0.049		
AA-P-5-74	5/5/2005	Metals	Zinc	mg/l	8.5	5		
AA-P-5-74	5/5/2005	Other	Ammonia	mg/l	0.55			
AA-P-5-94	5/5/2005	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
AA-P-5-94	5/5/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
AA-P-5-94	5/5/2005	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
AA-P-5-94	5/5/2005	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
AA-P-5-94	5/5/2005	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
AA-P-5-94	5/5/2005	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
AA-P-5-94	5/5/2005	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
AA-P-5-94	5/5/2005	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
AA-P-5-94	5/5/2005	VOCs	2-Butanone (MEK)	ug/L	50		U	UJ
AA-P-5-94	5/5/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
AA-P-5-94	5/5/2005	VOCs	Acetone	ug/L	130	6300	U	UJ
AA-P-5-94	5/5/2005	VOCs	Benzene	ug/L	5	5	U	
AA-P-5-94	5/5/2005	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
AA-P-5-94	5/5/2005	VOCs	Bromoform	ug/L	5	1	U	
AA-P-5-94	5/5/2005	VOCs	Bromomethane	ug/L	5	9.8	U	
AA-P-5-94	5/5/2005	VOCs	Carbon Disulfide	ug/L	5	700	U	
AA-P-5-94	5/5/2005	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
AA-P-5-94	5/5/2005	VOCs	Chlorobenzene	ug/L	340	100		
AA-P-5-94	5/5/2005	VOCs	Chlorodibromomethane	ug/L	5	140	U	
AA-P-5-94	5/5/2005	VOCs	Chloroethane	ug/L	5		U	
AA-P-5-94	5/5/2005	VOCs	Chloroform	ug/L	5	0.2	U	
AA-P-5-94	5/5/2005	VOCs	Chloromethane	ug/L	5		U	
AA-P-5-94	5/5/2005	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
AA-P-5-94	5/5/2005	VOCs	Dichloromethane	ug/L	5	5	U	
AA-P-5-94	5/5/2005	VOCs	Ethylbenzene	ug/L	5	700	U	
AA-P-5-94	5/5/2005	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	UJ
AA-P-5-94	5/5/2005	VOCs	Styrene (Monomer)	ug/L	5	100	U	
AA-P-5-94	5/5/2005	VOCs	Tetrachloroethene	ug/L	5	5	U	
AA-P-5-94	5/5/2005	VOCs	Toluene	ug/L	5	1000	U	
AA-P-5-94	5/5/2005	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
AA-P-5-94	5/5/2005	VOCs	Trichloroethene	ug/L	5	5	U	
AA-P-5-94	5/5/2005	VOCs	Vinyl chloride	ug/L	5	2	U	
AA-P-5-94	5/5/2005	VOCs	Xylenes, Total	ug/L	10	10000	U	
AA-P-5-94	5/5/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.6	70	U	
AA-P-5-94	5/5/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.6	600	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-5-94	5/5/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.6	75	U	
AA-P-5-94	5/5/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.6	700	U	
AA-P-5-94	5/5/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.6	10	U	
AA-P-5-94	5/5/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.6	21	U	
AA-P-5-94	5/5/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.6	140	U	
AA-P-5-94	5/5/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	14	U	
AA-P-5-94	5/5/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.6	0.02	U	
AA-P-5-94	5/5/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.6	0.31	U	
AA-P-5-94	5/5/2005	SVOCs	2-Chloronaphthalene	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	2-Chlorophenol	ug/L	11	35		
AA-P-5-94	5/5/2005	SVOCs	2-Methylnaphthalene	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.6	350	U	
AA-P-5-94	5/5/2005	SVOCs	2-Nitroaniline	ug/L	48		U	
AA-P-5-94	5/5/2005	SVOCs	2-Nitrophenol	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-5-94	5/5/2005	SVOCs	3-Nitroaniline	ug/L	48		U	
AA-P-5-94	5/5/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48		U	
AA-P-5-94	5/5/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	4-Nitrophenol	ug/L	48		U	
AA-P-5-94	5/5/2005	SVOCs	Acenaphthene	ug/L	9.6	420	U	
AA-P-5-94	5/5/2005	SVOCs	Acenaphthylene	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	Anthracene	ug/L	9.6	2100	U	
AA-P-5-94	5/5/2005	SVOCs	Benzo(a)anthracene	ug/L	9.6	0.13	U	
AA-P-5-94	5/5/2005	SVOCs	Benzo(a)pyrene	ug/L	9.6	0.2	U	
AA-P-5-94	5/5/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.6	0.18	U	
AA-P-5-94	5/5/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.6	0.17	U	
AA-P-5-94	5/5/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.6	1400	U	
AA-P-5-94	5/5/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.6	10	U	
AA-P-5-94	5/5/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	1.2	6	J	
AA-P-5-94	5/5/2005	SVOCs	Carbazole	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	Chrysene	ug/L	9.6	1.5	U	
AA-P-5-94	5/5/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.6	0.3	U	
AA-P-5-94	5/5/2005	SVOCs	Dibenzofuran	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	Diethyl Phthalate	ug/L	9.6	5600	U	
AA-P-5-94	5/5/2005	SVOCs	Dimethyl Phthalate	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	Di-n-butylphthalate	ug/L	9.6	700	U	
AA-P-5-94	5/5/2005	SVOCs	Di-n-octylphthalate	ug/L	9.6	140	U	
AA-P-5-94	5/5/2005	SVOCs	Dinoseb	ug/L	9.6	7	U	UJ
AA-P-5-94	5/5/2005	SVOCs	Fluoranthene	ug/L	9.6	280	U	
AA-P-5-94	5/5/2005	SVOCs	Fluorene	ug/L	9.6	280	U	
AA-P-5-94	5/5/2005	SVOCs	Hexachlorobenzene	ug/L	9.6	0.06	U	
AA-P-5-94	5/5/2005	SVOCs	Hexachlorobutadiene	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.6	50	U	
AA-P-5-94	5/5/2005	SVOCs	Hexachloroethane	ug/L	9.6	7	U	
AA-P-5-94	5/5/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.6	0.43	U	
AA-P-5-94	5/5/2005	SVOCs	Isophorone	ug/L	9.6	1400	U	
AA-P-5-94	5/5/2005	SVOCs	Naphthalene	ug/L	9.6	140	U	
AA-P-5-94	5/5/2005	SVOCs	Nitrobenzene	ug/L	9.6	3.5	U	
AA-P-5-94	5/5/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.6	1.8	U	
AA-P-5-94	5/5/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.6	3.2	U	
AA-P-5-94	5/5/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-5-94	5/5/2005	SVOCs	Phenanthrene	ug/L	9.6		U	
AA-P-5-94	5/5/2005	SVOCs	Phenol	ug/L	9.6	100	U	
AA-P-5-94	5/5/2005	SVOCs	P-Nitroaniline	ug/L	48		U	
AA-P-5-94	5/5/2005	SVOCs	Pyrene	ug/L	9.6	210	U	
AA-P-5-94	5/5/2005	Herbicides	2,4,5-T	ug/L	0.51		U	
AA-P-5-94	5/5/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.51	50	U	
AA-P-5-94	5/5/2005	Herbicides	2,4-D	ug/L	0.51	70	U	
AA-P-5-94	5/5/2005	Herbicides	2,4-DB	ug/L	0.51		U	
AA-P-5-94	5/5/2005	Herbicides	Dalapon	ug/L	120	200	U	
AA-P-5-94	5/5/2005	Herbicides	Dicamba	ug/L	1.2		U	
AA-P-5-94	5/5/2005	Herbicides	Dichlorprop	ug/L	6.1		U	
AA-P-5-94	5/5/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-5-94	5/5/2005	Herbicides	MCPP	ug/L	380		P	J
AA-P-5-94	5/5/2005	Herbicides	Pentachlorophenol	ug/L	1	1	U	
AA-P-5-94	5/5/2005	Metals	Aluminum	mg/l	18			
AA-P-5-94	5/5/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-5-94	5/5/2005	Metals	Arsenic	mg/l	0.019	0.05		
AA-P-5-94	5/5/2005	Metals	Barium	mg/l	0.47	2		
AA-P-5-94	5/5/2005	Metals	Beryllium	mg/l	0.0013	0.004	J	
AA-P-5-94	5/5/2005	Metals	Cadmium	mg/l	0.002	0.005	J	
AA-P-5-94	5/5/2005	Metals	Calcium	mg/l	510			
AA-P-5-94	5/5/2005	Metals	Chromium	mg/l	0.5	0.1		
AA-P-5-94	5/5/2005	Metals	Cobalt	mg/l	0.035	1		
AA-P-5-94	5/5/2005	Metals	Copper	mg/l	0.19	0.65		
AA-P-5-94	5/5/2005	Metals	Iron	mg/l	160	5		
AA-P-5-94	5/5/2005	Metals	Lead	mg/l	0.038	0.0075		
AA-P-5-94	5/5/2005	Metals	Magnesium	mg/l	110			
AA-P-5-94	5/5/2005	Metals	Manganese	mg/l	4.2	0.15		
AA-P-5-94	5/5/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-5-94	5/5/2005	Metals	Nickel	mg/l	0.16	0.1		
AA-P-5-94	5/5/2005	Metals	Potassium	mg/l	24			
AA-P-5-94	5/5/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-5-94	5/5/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-5-94	5/5/2005	Metals	Sodium	mg/l	150			
AA-P-5-94	5/5/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-5-94	5/5/2005	Metals	Vanadium	mg/l	0.038	0.049		
AA-P-5-94	5/5/2005	Metals	Zinc	mg/l	7.5	5		
AA-P-5-94	5/5/2005	Other	Ammonia	mg/l	0.85			
AA-P-5-114	5/5/2005	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
AA-P-5-114	5/5/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
AA-P-5-114	5/5/2005	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
AA-P-5-114	5/5/2005	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
AA-P-5-114	5/5/2005	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
AA-P-5-114	5/5/2005	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
AA-P-5-114	5/5/2005	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
AA-P-5-114	5/5/2005	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
AA-P-5-114	5/5/2005	VOCs	2-Butanone (MEK)	ug/L	50		U	UJ
AA-P-5-114	5/5/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
AA-P-5-114	5/5/2005	VOCs	Acetone	ug/L	130	6300	U	UJ
AA-P-5-114	5/5/2005	VOCs	Benzene	ug/L	5	5	U	
AA-P-5-114	5/5/2005	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
AA-P-5-114	5/5/2005	VOCs	Bromoform	ug/L	5	1	U	
AA-P-5-114	5/5/2005	VOCs	Bromomethane	ug/L	5	9.8	U	
AA-P-5-114	5/5/2005	VOCs	Carbon Disulfide	ug/L	5	700	U	
AA-P-5-114	5/5/2005	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
AA-P-5-114	5/5/2005	VOCs	Chlorobenzene	ug/L	560	100		
AA-P-5-114	5/5/2005	VOCs	Chlorodibromomethane	ug/L	5	140	U	
AA-P-5-114	5/5/2005	VOCs	Chloroethane	ug/L	5		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-5-114	5/5/2005	VOCs	Chloroform	ug/L	5	0.2	U	
AA-P-5-114	5/5/2005	VOCs	Chloromethane	ug/L	5		U	
AA-P-5-114	5/5/2005	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
AA-P-5-114	5/5/2005	VOCs	Dichloromethane	ug/L	5	5	U	
AA-P-5-114	5/5/2005	VOCs	Ethylbenzene	ug/L	5	700	U	
AA-P-5-114	5/5/2005	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	UJ
AA-P-5-114	5/5/2005	VOCs	Styrene (Monomer)	ug/L	5	100	U	
AA-P-5-114	5/5/2005	VOCs	Tetrachloroethene	ug/L	5	5	U	
AA-P-5-114	5/5/2005	VOCs	Toluene	ug/L	5	1000	U	
AA-P-5-114	5/5/2005	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
AA-P-5-114	5/5/2005	VOCs	Trichloroethene	ug/L	5	5	U	
AA-P-5-114	5/5/2005	VOCs	Vinyl chloride	ug/L	5	2	U	
AA-P-5-114	5/5/2005	VOCs	Xylenes, Total	ug/L	10	10000	U	
AA-P-5-114	5/5/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.6	70	U	
AA-P-5-114	5/5/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.6	600	U	
AA-P-5-114	5/5/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	1,4-Dichlorobenzene	ug/L	2.2	75	J	
AA-P-5-114	5/5/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.6	700	U	
AA-P-5-114	5/5/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.6	10	U	
AA-P-5-114	5/5/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.6	21	U	
AA-P-5-114	5/5/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.6	140	U	
AA-P-5-114	5/5/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	14	U	UJ
AA-P-5-114	5/5/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.6	0.02	U	
AA-P-5-114	5/5/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.6	0.31	U	
AA-P-5-114	5/5/2005	SVOCs	2-Chloronaphthalene	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	2-Chlorophenol	ug/L	12	35		
AA-P-5-114	5/5/2005	SVOCs	2-Methylnaphthalene	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.6	350	U	
AA-P-5-114	5/5/2005	SVOCs	2-Nitroaniline	ug/L	48		U	
AA-P-5-114	5/5/2005	SVOCs	2-Nitrophenol	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-5-114	5/5/2005	SVOCs	3-Nitroaniline	ug/L	48		U	
AA-P-5-114	5/5/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48		U	UJ
AA-P-5-114	5/5/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	4-Nitrophenol	ug/L	48		U	UJ
AA-P-5-114	5/5/2005	SVOCs	Acenaphthene	ug/L	9.6	420	U	
AA-P-5-114	5/5/2005	SVOCs	Acenaphthylene	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	Anthracene	ug/L	9.6	2100	U	
AA-P-5-114	5/5/2005	SVOCs	Benzo(a)anthracene	ug/L	9.6	0.13	U	
AA-P-5-114	5/5/2005	SVOCs	Benzo(a)pyrene	ug/L	9.6	0.2	U	
AA-P-5-114	5/5/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.6	0.18	U	
AA-P-5-114	5/5/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.6	0.17	U	
AA-P-5-114	5/5/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.6	1400	U	
AA-P-5-114	5/5/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.6	10	U	UJ
AA-P-5-114	5/5/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.6	6	U	
AA-P-5-114	5/5/2005	SVOCs	Carbazole	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	Chrysene	ug/L	9.6	1.5	U	
AA-P-5-114	5/5/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.6	0.3	U	
AA-P-5-114	5/5/2005	SVOCs	Dibenzofuran	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	Diethyl Phthalate	ug/L	9.6	5600	U	
AA-P-5-114	5/5/2005	SVOCs	Dimethyl Phthalate	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	Di-n-butylphthalate	ug/L	9.6	700	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-5-114	5/5/2005	SVOCs	Di-n-octylphthalate	ug/L	9.6	140	U	
AA-P-5-114	5/5/2005	SVOCs	Dinoseb	ug/L	9.6	7	U	
AA-P-5-114	5/5/2005	SVOCs	Fluoranthene	ug/L	9.6	280	U	
AA-P-5-114	5/5/2005	SVOCs	Fluorene	ug/L	9.6	280	U	
AA-P-5-114	5/5/2005	SVOCs	Hexachlorobenzene	ug/L	9.6	0.06	U	
AA-P-5-114	5/5/2005	SVOCs	Hexachlorobutadiene	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.6	50	U	
AA-P-5-114	5/5/2005	SVOCs	Hexachloroethane	ug/L	9.6	7	U	
AA-P-5-114	5/5/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.6	0.43	U	
AA-P-5-114	5/5/2005	SVOCs	Isophorone	ug/L	9.6	1400	U	
AA-P-5-114	5/5/2005	SVOCs	Naphthalene	ug/L	9.6	140	U	
AA-P-5-114	5/5/2005	SVOCs	Nitrobenzene	ug/L	9.6	3.5	U	
AA-P-5-114	5/5/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.6	1.8	U	
AA-P-5-114	5/5/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.6	3.2	U	
AA-P-5-114	5/5/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-5-114	5/5/2005	SVOCs	Phenanthrene	ug/L	9.6		U	
AA-P-5-114	5/5/2005	SVOCs	Phenol	ug/L	9.6	100	U	
AA-P-5-114	5/5/2005	SVOCs	P-Nitroaniline	ug/L	48		U	
AA-P-5-114	5/5/2005	SVOCs	Pyrene	ug/L	9.6	210	U	
AA-P-5-114	5/5/2005	Herbicides	2,4,5-T	ug/L	0.5		U	
AA-P-5-114	5/5/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
AA-P-5-114	5/5/2005	Herbicides	2,4-D	ug/L	0.5	70	U	
AA-P-5-114	5/5/2005	Herbicides	2,4-DB	ug/L	0.5		U	
AA-P-5-114	5/5/2005	Herbicides	Dalapon	ug/L	120	200	U	
AA-P-5-114	5/5/2005	Herbicides	Dicamba	ug/L	1.2		U	
AA-P-5-114	5/5/2005	Herbicides	Dichlorprop	ug/L	6		U	
AA-P-5-114	5/5/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-5-114	5/5/2005	Herbicides	MCPP	ug/L	230		P	
AA-P-5-114	5/5/2005	Herbicides	Pentachlorophenol	ug/L	1	1	U	
AA-P-5-114	5/5/2005	Metals	Aluminum	mg/l	35			
AA-P-5-114	5/5/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-5-114	5/5/2005	Metals	Arsenic	mg/l	0.042	0.05		
AA-P-5-114	5/5/2005	Metals	Barium	mg/l	0.95	2		
AA-P-5-114	5/5/2005	Metals	Beryllium	mg/l	0.0032	0.004	J	
AA-P-5-114	5/5/2005	Metals	Cadmium	mg/l	0.007	0.005		
AA-P-5-114	5/5/2005	Metals	Calcium	mg/l	580			
AA-P-5-114	5/5/2005	Metals	Chromium	mg/l	0.99	0.1		
AA-P-5-114	5/5/2005	Metals	Cobalt	mg/l	0.085	1		
AA-P-5-114	5/5/2005	Metals	Copper	mg/l	0.42	0.65		
AA-P-5-114	5/5/2005	Metals	Iron	mg/l	320	5		
AA-P-5-114	5/5/2005	Metals	Lead	mg/l	0.065	0.0075		
AA-P-5-114	5/5/2005	Metals	Magnesium	mg/l	120			
AA-P-5-114	5/5/2005	Metals	Manganese	mg/l	11	0.15		
AA-P-5-114	5/5/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-5-114	5/5/2005	Metals	Nickel	mg/l	0.36	0.1		
AA-P-5-114	5/5/2005	Metals	Potassium	mg/l	32			
AA-P-5-114	5/5/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-5-114	5/5/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-5-114	5/5/2005	Metals	Sodium	mg/l	150			
AA-P-5-114	5/5/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-5-114	5/5/2005	Metals	Vanadium	mg/l	0.095	0.049		
AA-P-5-114	5/5/2005	Metals	Zinc	mg/l	12	5		
AA-P-5-114	5/5/2005	Other	Ammonia	mg/l	0.97			
AA-P-6-90	5/6/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-6-90	5/6/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-6-90	5/6/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-6-90	5/6/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-6-90	5/6/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-6-90	5/6/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-6-90	5/6/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-P-6-90	5/6/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-6-90	5/6/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	UJ
AA-P-6-90	5/6/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-6-90	5/6/2005	VOCs	Acetone	ug/L	25	6300	U	UJ
AA-P-6-90	5/6/2005	VOCs	Benzene	ug/L	1	5	U	
AA-P-6-90	5/6/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-6-90	5/6/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-P-6-90	5/6/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-P-6-90	5/6/2005	VOCs	Carbon Disulfide	ug/L	1.6	700		
AA-P-6-90	5/6/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-6-90	5/6/2005	VOCs	Chlorobenzene	ug/L	1	100	U	
AA-P-6-90	5/6/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-6-90	5/6/2005	VOCs	Chloroethane	ug/L	1		U	
AA-P-6-90	5/6/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-6-90	5/6/2005	VOCs	Chloromethane	ug/L	1		U	
AA-P-6-90	5/6/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-6-90	5/6/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-P-6-90	5/6/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-6-90	5/6/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	UJ
AA-P-6-90	5/6/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-6-90	5/6/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-6-90	5/6/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-P-6-90	5/6/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-6-90	5/6/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-6-90	5/6/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-6-90	5/6/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-6-90	5/6/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	11	70	U	
AA-P-6-90	5/6/2005	SVOCs	1,2-Dichlorobenzene	ug/L	11	600	U	
AA-P-6-90	5/6/2005	SVOCs	1,3-Dichlorobenzene	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	1,4-Dichlorobenzene	ug/L	11	75	U	
AA-P-6-90	5/6/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	11	700	U	
AA-P-6-90	5/6/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	11	10	U	
AA-P-6-90	5/6/2005	SVOCs	2,4-Dichlorophenol	ug/L	11	21	U	
AA-P-6-90	5/6/2005	SVOCs	2,4-Dimethylphenol	ug/L	11	140	U	
AA-P-6-90	5/6/2005	SVOCs	2,4-Dinitrophenol	ug/L	55	14	U	
AA-P-6-90	5/6/2005	SVOCs	2,4-Dinitrotoluene	ug/L	11	0.02	U	
AA-P-6-90	5/6/2005	SVOCs	2,6-Dinitrotoluene	ug/L	11	0.31	U	
AA-P-6-90	5/6/2005	SVOCs	2-Chloronaphthalene	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	2-Chlorophenol	ug/L	11	35	U	
AA-P-6-90	5/6/2005	SVOCs	2-Methylnaphthalene	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	11	350	U	
AA-P-6-90	5/6/2005	SVOCs	2-Nitroaniline	ug/L	55		U	
AA-P-6-90	5/6/2005	SVOCs	2-Nitrophenol	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	3 & 4 Methylphenol	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	22	20	U	
AA-P-6-90	5/6/2005	SVOCs	3-Nitroaniline	ug/L	55		U	
AA-P-6-90	5/6/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	55		U	
AA-P-6-90	5/6/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	4-Nitrophenol	ug/L	55		U	
AA-P-6-90	5/6/2005	SVOCs	Acenaphthene	ug/L	11	420	U	
AA-P-6-90	5/6/2005	SVOCs	Acenaphthylene	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	Anthracene	ug/L	11	2100	U	
AA-P-6-90	5/6/2005	SVOCs	Benzo(a)anthracene	ug/L	11	0.13	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-6-90	5/6/2005	SVOCs	Benzo(a)pyrene	ug/L	11	0.2	U	
AA-P-6-90	5/6/2005	SVOCs	Benzo(b)fluoranthene	ug/L	11	0.18	U	
AA-P-6-90	5/6/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	Benzo(k)fluoranthene	ug/L	11	0.17	U	
AA-P-6-90	5/6/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	11	1400	U	
AA-P-6-90	5/6/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	11	10	U	
AA-P-6-90	5/6/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	11	6	U	
AA-P-6-90	5/6/2005	SVOCs	Carbazole	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	Chrysene	ug/L	11	1.5	U	
AA-P-6-90	5/6/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	11	0.3	U	
AA-P-6-90	5/6/2005	SVOCs	Dibenzofuran	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	Diethyl Phthalate	ug/L	11	5600	U	
AA-P-6-90	5/6/2005	SVOCs	Dimethyl Phthalate	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	Di-n-butylphthalate	ug/L	11	700	U	
AA-P-6-90	5/6/2005	SVOCs	Di-n-octylphthalate	ug/L	11	140	U	
AA-P-6-90	5/6/2005	SVOCs	Dinoseb	ug/L	11	7	U	UJ
AA-P-6-90	5/6/2005	SVOCs	Fluoranthene	ug/L	11	280	U	
AA-P-6-90	5/6/2005	SVOCs	Fluorene	ug/L	11	280	U	
AA-P-6-90	5/6/2005	SVOCs	Hexachlorobenzene	ug/L	11	0.06	U	
AA-P-6-90	5/6/2005	SVOCs	Hexachlorobutadiene	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	11	50	U	
AA-P-6-90	5/6/2005	SVOCs	Hexachloroethane	ug/L	11	7	U	
AA-P-6-90	5/6/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	11	0.43	U	
AA-P-6-90	5/6/2005	SVOCs	Isophorone	ug/L	11	1400	U	
AA-P-6-90	5/6/2005	SVOCs	Naphthalene	ug/L	11	140	U	
AA-P-6-90	5/6/2005	SVOCs	Nitrobenzene	ug/L	11	3.5	U	
AA-P-6-90	5/6/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	11	1.8	U	
AA-P-6-90	5/6/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	11	3.2	U	
AA-P-6-90	5/6/2005	SVOCs	P-Chloroaniline	ug/L	22	28	U	
AA-P-6-90	5/6/2005	SVOCs	Phenanthrene	ug/L	11		U	
AA-P-6-90	5/6/2005	SVOCs	Phenol	ug/L	11	100	U	
AA-P-6-90	5/6/2005	SVOCs	P-Nitroaniline	ug/L	55		U	
AA-P-6-90	5/6/2005	SVOCs	Pyrene	ug/L	11	210	U	
AA-P-6-90	5/6/2005	Herbicides	2,4,5-T	ug/L	0.5		U	
AA-P-6-90	5/6/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
AA-P-6-90	5/6/2005	Herbicides	2,4-D	ug/L	0.11	70	JP	
AA-P-6-90	5/6/2005	Herbicides	2,4-DB	ug/L	0.5		U	
AA-P-6-90	5/6/2005	Herbicides	Dalapon	ug/L	120	200	U	
AA-P-6-90	5/6/2005	Herbicides	Dicamba	ug/L	1.2		U	
AA-P-6-90	5/6/2005	Herbicides	Dichlorprop	ug/L	6		U	
AA-P-6-90	5/6/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-6-90	5/6/2005	Herbicides	MCPP	ug/L	120		P	
AA-P-6-90	5/6/2005	Herbicides	Pentachlorophenol	ug/L	1	1	U	
AA-P-6-90	5/6/2005	Metals	Aluminum	mg/l	73			
AA-P-6-90	5/6/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-6-90	5/6/2005	Metals	Arsenic	mg/l	0.11	0.05		
AA-P-6-90	5/6/2005	Metals	Barium	mg/l	1.6	2		
AA-P-6-90	5/6/2005	Metals	Beryllium	mg/l	0.005	0.004		
AA-P-6-90	5/6/2005	Metals	Cadmium	mg/l	0.015	0.005		
AA-P-6-90	5/6/2005	Metals	Calcium	mg/l	540			
AA-P-6-90	5/6/2005	Metals	Chromium	mg/l	1.1	0.1		
AA-P-6-90	5/6/2005	Metals	Cobalt	mg/l	0.11	1		
AA-P-6-90	5/6/2005	Metals	Copper	mg/l	0.46	0.65		
AA-P-6-90	5/6/2005	Metals	Iron	mg/l	340	5		
AA-P-6-90	5/6/2005	Metals	Lead	mg/l	0.13	0.0075		
AA-P-6-90	5/6/2005	Metals	Magnesium	mg/l	120			
AA-P-6-90	5/6/2005	Metals	Manganese	mg/l	8.1	0.15		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-6-90	5/6/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-6-90	5/6/2005	Metals	Nickel	mg/l	0.51	0.1		
AA-P-6-90	5/6/2005	Metals	Potassium	mg/l	28			
AA-P-6-90	5/6/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-6-90	5/6/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-6-90	5/6/2005	Metals	Sodium	mg/l	140			
AA-P-6-90	5/6/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-6-90	5/6/2005	Metals	Vanadium	mg/l	0.25	0.049		
AA-P-6-90	5/6/2005	Metals	Zinc	mg/l	3	5		
AA-P-6-90	5/6/2005	Other	Ammonia	mg/l	0.56			
AA-P-6-110	5/6/2005	VOCs	1,1,1-Trichloroethane	ug/L	2	200	U	
AA-P-6-110	5/6/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	2		U	
AA-P-6-110	5/6/2005	VOCs	1,1,2-Trichloroethane	ug/L	2	5	U	
AA-P-6-110	5/6/2005	VOCs	1,1-Dichloroethane	ug/L	2	700	U	
AA-P-6-110	5/6/2005	VOCs	1,1-Dichloroethylene	ug/L	2	7	U	
AA-P-6-110	5/6/2005	VOCs	1,2-Dichloroethane	ug/L	2	5	U	
AA-P-6-110	5/6/2005	VOCs	1,2-Dichloroethene (total)	ug/L	4		U	
AA-P-6-110	5/6/2005	VOCs	1,2-Dichloropropane	ug/L	2	5	U	
AA-P-6-110	5/6/2005	VOCs	2-Butanone (MEK)	ug/L	20		U	UJ
AA-P-6-110	5/6/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	20		U	
AA-P-6-110	5/6/2005	VOCs	Acetone	ug/L	50	6300	U	UJ
AA-P-6-110	5/6/2005	VOCs	Benzene	ug/L	2	5	U	
AA-P-6-110	5/6/2005	VOCs	Bromodichloromethane	ug/L	2	0.2	U	
AA-P-6-110	5/6/2005	VOCs	Bromoform	ug/L	2	1	U	
AA-P-6-110	5/6/2005	VOCs	Bromomethane	ug/L	2	9.8	U	
AA-P-6-110	5/6/2005	VOCs	Carbon Disulfide	ug/L	2	700	U	
AA-P-6-110	5/6/2005	VOCs	Carbon Tetrachloride	ug/L	2	5	U	
AA-P-6-110	5/6/2005	VOCs	Chlorobenzene	ug/L	290	100		
AA-P-6-110	5/6/2005	VOCs	Chlorodibromomethane	ug/L	2	140	U	
AA-P-6-110	5/6/2005	VOCs	Chloroethane	ug/L	2		U	
AA-P-6-110	5/6/2005	VOCs	Chloroform	ug/L	2	0.2	U	
AA-P-6-110	5/6/2005	VOCs	Chloromethane	ug/L	2		U	
AA-P-6-110	5/6/2005	VOCs	cis-1,3-Dichloropropene	ug/L	2		U	
AA-P-6-110	5/6/2005	VOCs	Dichloromethane	ug/L	2	5	U	
AA-P-6-110	5/6/2005	VOCs	Ethylbenzene	ug/L	2	700	U	
AA-P-6-110	5/6/2005	VOCs	Methyl N-Butyl Ketone	ug/L	20		U	UJ
AA-P-6-110	5/6/2005	VOCs	Styrene (Monomer)	ug/L	2	100	U	
AA-P-6-110	5/6/2005	VOCs	Tetrachloroethene	ug/L	2	5	U	
AA-P-6-110	5/6/2005	VOCs	Toluene	ug/L	2	1000	U	
AA-P-6-110	5/6/2005	VOCs	trans-1,3-Dichloropropene	ug/L	2		U	
AA-P-6-110	5/6/2005	VOCs	Trichloroethene	ug/L	2	5	U	
AA-P-6-110	5/6/2005	VOCs	Vinyl chloride	ug/L	2	2	U	
AA-P-6-110	5/6/2005	VOCs	Xylenes, Total	ug/L	4	10000	U	
AA-P-6-110	5/6/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.3	70	U	
AA-P-6-110	5/6/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.3	600	U	
AA-P-6-110	5/6/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.3	75	U	
AA-P-6-110	5/6/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.3	700	U	
AA-P-6-110	5/6/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.3	10	U	
AA-P-6-110	5/6/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.3	21	U	
AA-P-6-110	5/6/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.3	140	U	
AA-P-6-110	5/6/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-P-6-110	5/6/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.3	0.02	U	
AA-P-6-110	5/6/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.3	0.31	U	
AA-P-6-110	5/6/2005	SVOCs	2-Chloronaphthalene	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	2-Chlorophenol	ug/L	7.4	35	J	
AA-P-6-110	5/6/2005	SVOCs	2-Methylnaphthalene	ug/L	9.3		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-6-110	5/6/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.3	350	U	
AA-P-6-110	5/6/2005	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-P-6-110	5/6/2005	SVOCs	2-Nitrophenol	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-6-110	5/6/2005	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-P-6-110	5/6/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
AA-P-6-110	5/6/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-P-6-110	5/6/2005	SVOCs	Acenaphthene	ug/L	9.3	420	U	
AA-P-6-110	5/6/2005	SVOCs	Acenaphthylene	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	Anthracene	ug/L	9.3	2100	U	
AA-P-6-110	5/6/2005	SVOCs	Benzo(a)anthracene	ug/L	9.3	0.13	U	
AA-P-6-110	5/6/2005	SVOCs	Benzo(a)pyrene	ug/L	9.3	0.2	U	
AA-P-6-110	5/6/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.3	0.18	U	
AA-P-6-110	5/6/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.3	0.17	U	
AA-P-6-110	5/6/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.3	1400	U	
AA-P-6-110	5/6/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.3	10	U	
AA-P-6-110	5/6/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.3	6	U	
AA-P-6-110	5/6/2005	SVOCs	Carbazole	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	Chrysene	ug/L	9.3	1.5	U	
AA-P-6-110	5/6/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.3	0.3	U	
AA-P-6-110	5/6/2005	SVOCs	Dibenzofuran	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	Diethyl Phthalate	ug/L	9.3	5600	U	
AA-P-6-110	5/6/2005	SVOCs	Dimethyl Phthalate	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	Di-n-butylphthalate	ug/L	9.3	700	U	
AA-P-6-110	5/6/2005	SVOCs	Di-n-octylphthalate	ug/L	9.3	140	U	
AA-P-6-110	5/6/2005	SVOCs	Dinoseb	ug/L	9.3	7	U	UJ
AA-P-6-110	5/6/2005	SVOCs	Fluoranthene	ug/L	9.3	280	U	
AA-P-6-110	5/6/2005	SVOCs	Fluorene	ug/L	9.3	280	U	
AA-P-6-110	5/6/2005	SVOCs	Hexachlorobenzene	ug/L	9.3	0.06	U	
AA-P-6-110	5/6/2005	SVOCs	Hexachlorobutadiene	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.3	50	U	
AA-P-6-110	5/6/2005	SVOCs	Hexachloroethane	ug/L	9.3	7	U	
AA-P-6-110	5/6/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.3	0.43	U	
AA-P-6-110	5/6/2005	SVOCs	Isophorone	ug/L	9.3	1400	U	
AA-P-6-110	5/6/2005	SVOCs	Naphthalene	ug/L	9.3	140	U	
AA-P-6-110	5/6/2005	SVOCs	Nitrobenzene	ug/L	9.3	3.5	U	
AA-P-6-110	5/6/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.3	1.8	U	
AA-P-6-110	5/6/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.3	3.2	U	
AA-P-6-110	5/6/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-6-110	5/6/2005	SVOCs	Phenanthrene	ug/L	9.3		U	
AA-P-6-110	5/6/2005	SVOCs	Phenol	ug/L	9.3	100	U	
AA-P-6-110	5/6/2005	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-P-6-110	5/6/2005	SVOCs	Pyrene	ug/L	9.3	210	U	
AA-P-6-110	5/6/2005	Herbicides	2,4,5-T	ug/L	0.5		U	
AA-P-6-110	5/6/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
AA-P-6-110	5/6/2005	Herbicides	2,4-D	ug/L	0.5	70	U	
AA-P-6-110	5/6/2005	Herbicides	2,4-DB	ug/L	0.5		U	
AA-P-6-110	5/6/2005	Herbicides	Dalapon	ug/L	120	200	U	
AA-P-6-110	5/6/2005	Herbicides	Dicamba	ug/L	1.2		U	
AA-P-6-110	5/6/2005	Herbicides	Dichlorprop	ug/L	6		U	
AA-P-6-110	5/6/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-6-110	5/6/2005	Herbicides	MCPP	ug/L	130		P	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-6-110	5/6/2005	Herbicides	Pentachlorophenol	ug/L	1	1	U	
AA-P-6-110	5/6/2005	Metals	Aluminum	mg/l	29			
AA-P-6-110	5/6/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-6-110	5/6/2005	Metals	Arsenic	mg/l	0.057	0.05		
AA-P-6-110	5/6/2005	Metals	Barium	mg/l	0.69	2		
AA-P-6-110	5/6/2005	Metals	Beryllium	mg/l	0.0019	0.004	J	
AA-P-6-110	5/6/2005	Metals	Cadmium	mg/l	0.0054	0.005		
AA-P-6-110	5/6/2005	Metals	Calcium	mg/l	740			
AA-P-6-110	5/6/2005	Metals	Chromium	mg/l	0.45	0.1		
AA-P-6-110	5/6/2005	Metals	Cobalt	mg/l	0.048	1		
AA-P-6-110	5/6/2005	Metals	Copper	mg/l	0.21	0.65		
AA-P-6-110	5/6/2005	Metals	Iron	mg/l	210	5		
AA-P-6-110	5/6/2005	Metals	Lead	mg/l	0.055	0.0075		
AA-P-6-110	5/6/2005	Metals	Magnesium	mg/l	160			
AA-P-6-110	5/6/2005	Metals	Manganese	mg/l	8.3	0.15		
AA-P-6-110	5/6/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-6-110	5/6/2005	Metals	Nickel	mg/l	0.22	0.1		
AA-P-6-110	5/6/2005	Metals	Potassium	mg/l	26			
AA-P-6-110	5/6/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-6-110	5/6/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-6-110	5/6/2005	Metals	Sodium	mg/l	190			
AA-P-6-110	5/6/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-6-110	5/6/2005	Metals	Vanadium	mg/l	0.092	0.049		
AA-P-6-110	5/6/2005	Metals	Zinc	mg/l	2.1	5		
AA-P-6-110	5/6/2005	Other	Ammonia	mg/l	0.79			
AA-P-7-92	5/4/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-7-92	5/4/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-7-92	5/4/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-7-92	5/4/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-7-92	5/4/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-7-92	5/4/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-7-92	5/4/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-P-7-92	5/4/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-7-92	5/4/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-P-7-92	5/4/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-7-92	5/4/2005	VOCs	Acetone	ug/L	25	6300	U	UJ
AA-P-7-92	5/4/2005	VOCs	Benzene	ug/L	1	5	U	
AA-P-7-92	5/4/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-7-92	5/4/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-P-7-92	5/4/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-P-7-92	5/4/2005	VOCs	Carbon Disulfide	ug/L	5.7	700		
AA-P-7-92	5/4/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-7-92	5/4/2005	VOCs	Chlorobenzene	ug/L	1	100	U	
AA-P-7-92	5/4/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-7-92	5/4/2005	VOCs	Chloroethane	ug/L	1		U	
AA-P-7-92	5/4/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-7-92	5/4/2005	VOCs	Chloromethane	ug/L	1		U	
AA-P-7-92	5/4/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-7-92	5/4/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-P-7-92	5/4/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-7-92	5/4/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-P-7-92	5/4/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-7-92	5/4/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-7-92	5/4/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-P-7-92	5/4/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-7-92	5/4/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-7-92	5/4/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-7-92	5/4/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-7-92	5/4/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
AA-P-7-92	5/4/2005	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
AA-P-7-92	5/4/2005	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
AA-P-7-92	5/4/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
AA-P-7-92	5/4/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
AA-P-7-92	5/4/2005	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
AA-P-7-92	5/4/2005	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
AA-P-7-92	5/4/2005	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
AA-P-7-92	5/4/2005	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
AA-P-7-92	5/4/2005	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
AA-P-7-92	5/4/2005	SVOCs	2-Chloronaphthalene	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	2-Chlorophenol	ug/L	10	35	U	
AA-P-7-92	5/4/2005	SVOCs	2-Methylnaphthalene	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
AA-P-7-92	5/4/2005	SVOCs	2-Nitroaniline	ug/L	50		U	
AA-P-7-92	5/4/2005	SVOCs	2-Nitrophenol	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	3 & 4 Methylphenol	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
AA-P-7-92	5/4/2005	SVOCs	3-Nitroaniline	ug/L	50		U	
AA-P-7-92	5/4/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
AA-P-7-92	5/4/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	4-Nitrophenol	ug/L	50		U	
AA-P-7-92	5/4/2005	SVOCs	Acenaphthene	ug/L	10	420	U	
AA-P-7-92	5/4/2005	SVOCs	Acenaphthylene	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	Anthracene	ug/L	10	2100	U	
AA-P-7-92	5/4/2005	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
AA-P-7-92	5/4/2005	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
AA-P-7-92	5/4/2005	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
AA-P-7-92	5/4/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
AA-P-7-92	5/4/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
AA-P-7-92	5/4/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
AA-P-7-92	5/4/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
AA-P-7-92	5/4/2005	SVOCs	Carbazole	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	Chrysene	ug/L	10	1.5	U	
AA-P-7-92	5/4/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
AA-P-7-92	5/4/2005	SVOCs	Dibenzofuran	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
AA-P-7-92	5/4/2005	SVOCs	Dimethyl Phthalate	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
AA-P-7-92	5/4/2005	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
AA-P-7-92	5/4/2005	SVOCs	Dinoseb	ug/L	10	7	U	UJ
AA-P-7-92	5/4/2005	SVOCs	Fluoranthene	ug/L	10	280	U	
AA-P-7-92	5/4/2005	SVOCs	Fluorene	ug/L	10	280	U	
AA-P-7-92	5/4/2005	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
AA-P-7-92	5/4/2005	SVOCs	Hexachlorobutadiene	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
AA-P-7-92	5/4/2005	SVOCs	Hexachloroethane	ug/L	10	7	U	
AA-P-7-92	5/4/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
AA-P-7-92	5/4/2005	SVOCs	Isophorone	ug/L	10	1400	U	
AA-P-7-92	5/4/2005	SVOCs	Naphthalene	ug/L	10	140	U	
AA-P-7-92	5/4/2005	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
AA-P-7-92	5/4/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-7-92	5/4/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
AA-P-7-92	5/4/2005	SVOCs	P-Chloroaniline	ug/L	20	28	U	
AA-P-7-92	5/4/2005	SVOCs	Phenanthrene	ug/L	10		U	
AA-P-7-92	5/4/2005	SVOCs	Phenol	ug/L	10	100	U	
AA-P-7-92	5/4/2005	SVOCs	P-Nitroaniline	ug/L	50		U	
AA-P-7-92	5/4/2005	SVOCs	Pyrene	ug/L	10	210	U	
AA-P-7-92	5/4/2005	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-P-7-92	5/4/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-P-7-92	5/4/2005	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-P-7-92	5/4/2005	Herbicides	2,4-DB	ug/L	0.48		U	
AA-P-7-92	5/4/2005	Herbicides	Dalapon	ug/L	120	200	U	
AA-P-7-92	5/4/2005	Herbicides	Dicamba	ug/L	1.2		U	
AA-P-7-92	5/4/2005	Herbicides	Dichlorprop	ug/L	5.8		U	
AA-P-7-92	5/4/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-7-92	5/4/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-7-92	5/4/2005	Herbicides	Pentachlorophenol	ug/L	0.96	1	U	
AA-P-7-92	5/4/2005	Metals	Aluminum	mg/l	65			
AA-P-7-92	5/4/2005	Metals	Antimony	mg/l	0.0085	0.006	J	
AA-P-7-92	5/4/2005	Metals	Arsenic	mg/l	0.15	0.05		
AA-P-7-92	5/4/2005	Metals	Barium	mg/l	1.5	2		
AA-P-7-92	5/4/2005	Metals	Beryllium	mg/l	0.0073	0.004		
AA-P-7-92	5/4/2005	Metals	Cadmium	mg/l	0.02	0.005		
AA-P-7-92	5/4/2005	Metals	Calcium	mg/l	630			
AA-P-7-92	5/4/2005	Metals	Chromium	mg/l	3	0.1		
AA-P-7-92	5/4/2005	Metals	Cobalt	mg/l	0.26	1		
AA-P-7-92	5/4/2005	Metals	Copper	mg/l	1.8	0.65		
AA-P-7-92	5/4/2005	Metals	Iron	mg/l	560	5		
AA-P-7-92	5/4/2005	Metals	Lead	mg/l	0.24	0.0075		
AA-P-7-92	5/4/2005	Metals	Magnesium	mg/l	170			
AA-P-7-92	5/4/2005	Metals	Manganese	mg/l	10	0.15		
AA-P-7-92	5/4/2005	Metals	Mercury	mg/l	0.00035	2		
AA-P-7-92	5/4/2005	Metals	Nickel	mg/l	1.3	0.1		
AA-P-7-92	5/4/2005	Metals	Potassium	mg/l	24			
AA-P-7-92	5/4/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-7-92	5/4/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-7-92	5/4/2005	Metals	Sodium	mg/l	78			
AA-P-7-92	5/4/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-7-92	5/4/2005	Metals	Vanadium	mg/l	0.22	0.049		
AA-P-7-92	5/4/2005	Metals	Zinc	mg/l	9.3	5		
AA-P-7-92	5/4/2005	Other	Ammonia	mg/l	1			
AA-P-7-110	5/5/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-7-110	5/5/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-7-110	5/5/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-7-110	5/5/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-7-110	5/5/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-7-110	5/5/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-7-110	5/5/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-P-7-110	5/5/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-7-110	5/5/2005	VOCs	2-Butanone (MEK)	ug/L	1.9		J	UJ
AA-P-7-110	5/5/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-7-110	5/5/2005	VOCs	Acetone	ug/L	25	6300	U	UJ
AA-P-7-110	5/5/2005	VOCs	Benzene	ug/L	1	5	U	
AA-P-7-110	5/5/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-7-110	5/5/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-P-7-110	5/5/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-P-7-110	5/5/2005	VOCs	Carbon Disulfide	ug/L	2.1	700		
AA-P-7-110	5/5/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-7-110	5/5/2005	VOCs	Chlorobenzene	ug/L	1	100	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-7-110	5/5/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-7-110	5/5/2005	VOCs	Chloroethane	ug/L	1		U	
AA-P-7-110	5/5/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-7-110	5/5/2005	VOCs	Chloromethane	ug/L	1		U	
AA-P-7-110	5/5/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-7-110	5/5/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-P-7-110	5/5/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-7-110	5/5/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	UJ
AA-P-7-110	5/5/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-7-110	5/5/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-7-110	5/5/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-P-7-110	5/5/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-7-110	5/5/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-7-110	5/5/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-7-110	5/5/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-7-110	5/5/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	11	70	U	
AA-P-7-110	5/5/2005	SVOCs	1,2-Dichlorobenzene	ug/L	11	600	U	
AA-P-7-110	5/5/2005	SVOCs	1,3-Dichlorobenzene	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	1,4-Dichlorobenzene	ug/L	11	75	U	
AA-P-7-110	5/5/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	11	700	U	
AA-P-7-110	5/5/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	11	10	U	
AA-P-7-110	5/5/2005	SVOCs	2,4-Dichlorophenol	ug/L	11	21	U	
AA-P-7-110	5/5/2005	SVOCs	2,4-Dimethylphenol	ug/L	11	140	U	
AA-P-7-110	5/5/2005	SVOCs	2,4-Dinitrophenol	ug/L	53	14	U	
AA-P-7-110	5/5/2005	SVOCs	2,4-Dinitrotoluene	ug/L	11	0.02	U	
AA-P-7-110	5/5/2005	SVOCs	2,6-Dinitrotoluene	ug/L	11	0.31	U	
AA-P-7-110	5/5/2005	SVOCs	2-Chloronaphthalene	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	2-Chlorophenol	ug/L	11	35	U	
AA-P-7-110	5/5/2005	SVOCs	2-Methylnaphthalene	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	11	350	U	
AA-P-7-110	5/5/2005	SVOCs	2-Nitroaniline	ug/L	53		U	
AA-P-7-110	5/5/2005	SVOCs	2-Nitrophenol	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	3 & 4 Methylphenol	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	21	20	U	
AA-P-7-110	5/5/2005	SVOCs	3-Nitroaniline	ug/L	53		U	
AA-P-7-110	5/5/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	53		U	
AA-P-7-110	5/5/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	4-Nitrophenol	ug/L	53		U	
AA-P-7-110	5/5/2005	SVOCs	Acenaphthene	ug/L	11	420	U	
AA-P-7-110	5/5/2005	SVOCs	Acenaphthylene	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	Anthracene	ug/L	11	2100	U	
AA-P-7-110	5/5/2005	SVOCs	Benzo(a)anthracene	ug/L	11	0.13	U	
AA-P-7-110	5/5/2005	SVOCs	Benzo(a)pyrene	ug/L	11	0.2	U	
AA-P-7-110	5/5/2005	SVOCs	Benzo(b)fluoranthene	ug/L	11	0.18	U	
AA-P-7-110	5/5/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	Benzo(k)fluoranthene	ug/L	11	0.17	U	
AA-P-7-110	5/5/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	11	1400	U	
AA-P-7-110	5/5/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	11	10	U	
AA-P-7-110	5/5/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	11	6	U	
AA-P-7-110	5/5/2005	SVOCs	Carbazole	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	Chrysene	ug/L	11	1.5	U	
AA-P-7-110	5/5/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	11	0.3	U	
AA-P-7-110	5/5/2005	SVOCs	Dibenzofuran	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	Diethyl Phthalate	ug/L	11	5600	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-7-110	5/5/2005	SVOCs	Dimethyl Phthalate	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	Di-n-butylphthalate	ug/L	11	700	U	
AA-P-7-110	5/5/2005	SVOCs	Di-n-octylphthalate	ug/L	11	140	U	
AA-P-7-110	5/5/2005	SVOCs	Dinoseb	ug/L	11	7	U	
AA-P-7-110	5/5/2005	SVOCs	Fluoranthene	ug/L	11	280	U	
AA-P-7-110	5/5/2005	SVOCs	Fluorene	ug/L	11	280	U	
AA-P-7-110	5/5/2005	SVOCs	Hexachlorobenzene	ug/L	11	0.06	U	
AA-P-7-110	5/5/2005	SVOCs	Hexachlorobutadiene	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	11	50	U	
AA-P-7-110	5/5/2005	SVOCs	Hexachloroethane	ug/L	11	7	U	
AA-P-7-110	5/5/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	11	0.43	U	
AA-P-7-110	5/5/2005	SVOCs	Isophorone	ug/L	11	1400	U	
AA-P-7-110	5/5/2005	SVOCs	Naphthalene	ug/L	11	140	U	
AA-P-7-110	5/5/2005	SVOCs	Nitrobenzene	ug/L	11	3.5	U	
AA-P-7-110	5/5/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	11	1.8	U	
AA-P-7-110	5/5/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	11	3.2	U	
AA-P-7-110	5/5/2005	SVOCs	P-Chloroaniline	ug/L	21	28	U	
AA-P-7-110	5/5/2005	SVOCs	Phenanthrene	ug/L	11		U	
AA-P-7-110	5/5/2005	SVOCs	Phenol	ug/L	11	100	U	
AA-P-7-110	5/5/2005	SVOCs	P-Nitroaniline	ug/L	53		U	
AA-P-7-110	5/5/2005	SVOCs	Pyrene	ug/L	11	210	U	
AA-P-7-110	5/5/2005	Herbicides	2,4,5-T	ug/L	0.5		U	
AA-P-7-110	5/5/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
AA-P-7-110	5/5/2005	Herbicides	2,4-D	ug/L	0.5	70	U	
AA-P-7-110	5/5/2005	Herbicides	2,4-DB	ug/L	0.5		U	
AA-P-7-110	5/5/2005	Herbicides	Dalapon	ug/L	120	200	U	
AA-P-7-110	5/5/2005	Herbicides	Dicamba	ug/L	1.2		U	
AA-P-7-110	5/5/2005	Herbicides	Dichlorprop	ug/L	5.9		U	
AA-P-7-110	5/5/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-7-110	5/5/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-7-110	5/5/2005	Herbicides	Pentachlorophenol	ug/L	0.99	1	U	
AA-P-7-110	5/5/2005	Metals	Aluminum	mg/l	17			
AA-P-7-110	5/5/2005	Metals	Antimony	mg/l	0.0063	0.006	J	
AA-P-7-110	5/5/2005	Metals	Arsenic	mg/l	0.021	0.05		
AA-P-7-110	5/5/2005	Metals	Barium	mg/l	0.48	2		
AA-P-7-110	5/5/2005	Metals	Beryllium	mg/l	0.0011	0.004	J	
AA-P-7-110	5/5/2005	Metals	Cadmium	mg/l	0.0013	0.005	J	
AA-P-7-110	5/5/2005	Metals	Calcium	mg/l	240			
AA-P-7-110	5/5/2005	Metals	Chromium	mg/l	0.34	0.1		
AA-P-7-110	5/5/2005	Metals	Cobalt	mg/l	0.028	1		
AA-P-7-110	5/5/2005	Metals	Copper	mg/l	0.23	0.65		
AA-P-7-110	5/5/2005	Metals	Iron	mg/l	120	5		
AA-P-7-110	5/5/2005	Metals	Lead	mg/l	0.061	0.0075		
AA-P-7-110	5/5/2005	Metals	Magnesium	mg/l	53			
AA-P-7-110	5/5/2005	Metals	Manganese	mg/l	2.9	0.15		
AA-P-7-110	5/5/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-7-110	5/5/2005	Metals	Nickel	mg/l	0.19	0.1		
AA-P-7-110	5/5/2005	Metals	Potassium	mg/l	17			
AA-P-7-110	5/5/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-7-110	5/5/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-7-110	5/5/2005	Metals	Sodium	mg/l	77			
AA-P-7-110	5/5/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-7-110	5/5/2005	Metals	Vanadium	mg/l	0.051	0.049		
AA-P-7-110	5/5/2005	Metals	Zinc	mg/l	2.5	5		
AA-P-7-110	5/5/2005	Other	Ammonia	mg/l	0.28			
AA-P-8-82	5/3/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-8-82	5/3/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-8-82	5/3/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-8-82	5/3/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-8-82	5/3/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-8-82	5/3/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-8-82	5/3/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-P-8-82	5/3/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-8-82	5/3/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-P-8-82	5/3/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-8-82	5/3/2005	VOCs	Acetone	ug/L	25	6300	U	
AA-P-8-82	5/3/2005	VOCs	Benzene	ug/L	1	5	U	
AA-P-8-82	5/3/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-8-82	5/3/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-P-8-82	5/3/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-P-8-82	5/3/2005	VOCs	Carbon Disulfide	ug/L	2.1	700		
AA-P-8-82	5/3/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-8-82	5/3/2005	VOCs	Chlorobenzene	ug/L	1	100	U	
AA-P-8-82	5/3/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-8-82	5/3/2005	VOCs	Chloroethane	ug/L	1		U	
AA-P-8-82	5/3/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-8-82	5/3/2005	VOCs	Chloromethane	ug/L	1		U	
AA-P-8-82	5/3/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-8-82	5/3/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-P-8-82	5/3/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-8-82	5/3/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-P-8-82	5/3/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-8-82	5/3/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-8-82	5/3/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-P-8-82	5/3/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-8-82	5/3/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-8-82	5/3/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-8-82	5/3/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-8-82	5/3/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.9	70	U	
AA-P-8-82	5/3/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.9	600	U	
AA-P-8-82	5/3/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.9	75	U	
AA-P-8-82	5/3/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.9	700	U	
AA-P-8-82	5/3/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.9	10	U	
AA-P-8-82	5/3/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.9	21	U	
AA-P-8-82	5/3/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.9	140	U	
AA-P-8-82	5/3/2005	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
AA-P-8-82	5/3/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.9	0.02	U	
AA-P-8-82	5/3/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.9	0.31	U	
AA-P-8-82	5/3/2005	SVOCs	2-Chloronaphthalene	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	2-Chlorophenol	ug/L	9.9	35	U	
AA-P-8-82	5/3/2005	SVOCs	2-Methylnaphthalene	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.9	350	U	
AA-P-8-82	5/3/2005	SVOCs	2-Nitroaniline	ug/L	50		U	
AA-P-8-82	5/3/2005	SVOCs	2-Nitrophenol	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
AA-P-8-82	5/3/2005	SVOCs	3-Nitroaniline	ug/L	50		U	
AA-P-8-82	5/3/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
AA-P-8-82	5/3/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	4-Nitrophenol	ug/L	50		U	
AA-P-8-82	5/3/2005	SVOCs	Acenaphthene	ug/L	9.9	420	U	
AA-P-8-82	5/3/2005	SVOCs	Acenaphthylene	ug/L	9.9		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-8-82	5/3/2005	SVOCs	Anthracene	ug/L	9.9	2100	U	
AA-P-8-82	5/3/2005	SVOCs	Benzo(a)anthracene	ug/L	9.9	0.13	U	
AA-P-8-82	5/3/2005	SVOCs	Benzo(a)pyrene	ug/L	9.9	0.2	U	
AA-P-8-82	5/3/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.9	0.18	U	
AA-P-8-82	5/3/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	1.1		J	
AA-P-8-82	5/3/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.9	0.17	U	
AA-P-8-82	5/3/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.9	1400	U	
AA-P-8-82	5/3/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.9	10	U	
AA-P-8-82	5/3/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.9	6	U	
AA-P-8-82	5/3/2005	SVOCs	Carbazole	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	Chrysene	ug/L	9.9	1.5	U	
AA-P-8-82	5/3/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.9	0.3	U	
AA-P-8-82	5/3/2005	SVOCs	Dibenzofuran	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	Diethyl Phthalate	ug/L	9.9	5600	U	
AA-P-8-82	5/3/2005	SVOCs	Dimethyl Phthalate	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	Di-n-butylphthalate	ug/L	9.9	700	U	
AA-P-8-82	5/3/2005	SVOCs	Di-n-octylphthalate	ug/L	9.9	140	U	
AA-P-8-82	5/3/2005	SVOCs	Dinoseb	ug/L	9.9	7	U	
AA-P-8-82	5/3/2005	SVOCs	Fluoranthene	ug/L	9.9	280	U	
AA-P-8-82	5/3/2005	SVOCs	Fluorene	ug/L	9.9	280	U	
AA-P-8-82	5/3/2005	SVOCs	Hexachlorobenzene	ug/L	9.9	0.06	U	
AA-P-8-82	5/3/2005	SVOCs	Hexachlorobutadiene	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.9	50	U	
AA-P-8-82	5/3/2005	SVOCs	Hexachloroethane	ug/L	9.9	7	U	
AA-P-8-82	5/3/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	0.69	0.43	J	
AA-P-8-82	5/3/2005	SVOCs	Isophorone	ug/L	9.9	1400	U	
AA-P-8-82	5/3/2005	SVOCs	Naphthalene	ug/L	9.9	140	U	
AA-P-8-82	5/3/2005	SVOCs	Nitrobenzene	ug/L	9.9	3.5	U	
AA-P-8-82	5/3/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.9	1.8	U	
AA-P-8-82	5/3/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.9	3.2	U	
AA-P-8-82	5/3/2005	SVOCs	P-Chloroaniline	ug/L	20	28	U	
AA-P-8-82	5/3/2005	SVOCs	Phenanthrene	ug/L	9.9		U	
AA-P-8-82	5/3/2005	SVOCs	Phenol	ug/L	9.9	100	U	
AA-P-8-82	5/3/2005	SVOCs	P-Nitroaniline	ug/L	50		U	
AA-P-8-82	5/3/2005	SVOCs	Pyrene	ug/L	9.9	210	U	
AA-P-8-82	5/3/2005	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-P-8-82	5/3/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-P-8-82	5/3/2005	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-P-8-82	5/3/2005	Herbicides	2,4-DB	ug/L	0.48		U	
AA-P-8-82	5/3/2005	Herbicides	Dalapon	ug/L	110	200	U	
AA-P-8-82	5/3/2005	Herbicides	Dicamba	ug/L	1.1		U	
AA-P-8-82	5/3/2005	Herbicides	Dichlorprop	ug/L	5.7		U	
AA-P-8-82	5/3/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	110		U	
AA-P-8-82	5/3/2005	Herbicides	MCPP	ug/L	110		U	
AA-P-8-82	5/3/2005	Herbicides	Pentachlorophenol	ug/L	0.95	1	U	
AA-P-8-82	5/3/2005	Metals	Aluminum	mg/l	43			
AA-P-8-82	5/3/2005	Metals	Antimony	mg/l	0.0064	0.006	J	
AA-P-8-82	5/3/2005	Metals	Arsenic	mg/l	0.064	0.05		
AA-P-8-82	5/3/2005	Metals	Barium	mg/l	1.4	2		
AA-P-8-82	5/3/2005	Metals	Beryllium	mg/l	0.0028	0.004	J	
AA-P-8-82	5/3/2005	Metals	Cadmium	mg/l	0.0033	0.005	J	
AA-P-8-82	5/3/2005	Metals	Calcium	mg/l	260			
AA-P-8-82	5/3/2005	Metals	Chromium	mg/l	0.68	0.1		
AA-P-8-82	5/3/2005	Metals	Cobalt	mg/l	0.051	1		
AA-P-8-82	5/3/2005	Metals	Copper	mg/l	0.54	0.65		
AA-P-8-82	5/3/2005	Metals	Iron	mg/l	170	5		
AA-P-8-82	5/3/2005	Metals	Lead	mg/l	0.064	0.0075		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-8-82	5/3/2005	Metals	Magnesium	mg/l	70			
AA-P-8-82	5/3/2005	Metals	Manganese	mg/l	4.1	0.15		
AA-P-8-82	5/3/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-8-82	5/3/2005	Metals	Nickel	mg/l	0.3	0.1		
AA-P-8-82	5/3/2005	Metals	Potassium	mg/l	18			
AA-P-8-82	5/3/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-8-82	5/3/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-8-82	5/3/2005	Metals	Sodium	mg/l	49			
AA-P-8-82	5/3/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-8-82	5/3/2005	Metals	Vanadium	mg/l	0.14	0.049		
AA-P-8-82	5/3/2005	Metals	Zinc	mg/l	19	5		
AA-P-8-82	5/3/2005	Other	Ammonia	mg/l	0.68			
AA-P-8-102	5/3/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-8-102	5/3/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-8-102	5/3/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-8-102	5/3/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-8-102	5/3/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-8-102	5/3/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-8-102	5/3/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-P-8-102	5/3/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-8-102	5/3/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-P-8-102	5/3/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-8-102	5/3/2005	VOCs	Acetone	ug/L	25	6300	U	
AA-P-8-102	5/3/2005	VOCs	Benzene	ug/L	1	5	U	
AA-P-8-102	5/3/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-8-102	5/3/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-P-8-102	5/3/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-P-8-102	5/3/2005	VOCs	Carbon Disulfide	ug/L	3	700		
AA-P-8-102	5/3/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-8-102	5/3/2005	VOCs	Chlorobenzene	ug/L	1	100	U	
AA-P-8-102	5/3/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-8-102	5/3/2005	VOCs	Chloroethane	ug/L	1		U	
AA-P-8-102	5/3/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-8-102	5/3/2005	VOCs	Chloromethane	ug/L	1		U	
AA-P-8-102	5/3/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-8-102	5/3/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-P-8-102	5/3/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-8-102	5/3/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-P-8-102	5/3/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-8-102	5/3/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-8-102	5/3/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-P-8-102	5/3/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-8-102	5/3/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-8-102	5/3/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-8-102	5/3/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-8-102	5/3/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.8	70	U	
AA-P-8-102	5/3/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.8	600	U	
AA-P-8-102	5/3/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.8	75	U	
AA-P-8-102	5/3/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.8	700	U	
AA-P-8-102	5/3/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.8	10	U	
AA-P-8-102	5/3/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.8	21	U	
AA-P-8-102	5/3/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.8	140	U	
AA-P-8-102	5/3/2005	SVOCs	2,4-Dinitrophenol	ug/L	49	14	U	
AA-P-8-102	5/3/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.8	0.02	U	
AA-P-8-102	5/3/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.8	0.31	U	
AA-P-8-102	5/3/2005	SVOCs	2-Chloronaphthalene	ug/L	9.8		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-8-102	5/3/2005	SVOCs	2-Chlorophenol	ug/L	9.8	35	U	
AA-P-8-102	5/3/2005	SVOCs	2-Methylnaphthalene	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.8	350	U	
AA-P-8-102	5/3/2005	SVOCs	2-Nitroaniline	ug/L	49		U	
AA-P-8-102	5/3/2005	SVOCs	2-Nitrophenol	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
AA-P-8-102	5/3/2005	SVOCs	3-Nitroaniline	ug/L	49		U	
AA-P-8-102	5/3/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	49		U	
AA-P-8-102	5/3/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	4-Nitrophenol	ug/L	49		U	
AA-P-8-102	5/3/2005	SVOCs	Acenaphthene	ug/L	9.8	420	U	
AA-P-8-102	5/3/2005	SVOCs	Acenaphthylene	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	Anthracene	ug/L	9.8	2100	U	
AA-P-8-102	5/3/2005	SVOCs	Benzo(a)anthracene	ug/L	9.8	0.13	U	
AA-P-8-102	5/3/2005	SVOCs	Benzo(a)pyrene	ug/L	9.8	0.2	U	
AA-P-8-102	5/3/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.8	0.18	U	
AA-P-8-102	5/3/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.8	0.17	U	
AA-P-8-102	5/3/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.8	1400	U	
AA-P-8-102	5/3/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.8	10	U	
AA-P-8-102	5/3/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.8	6	U	
AA-P-8-102	5/3/2005	SVOCs	Carbazole	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	Chrysene	ug/L	9.8	1.5	U	
AA-P-8-102	5/3/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.8	0.3	U	
AA-P-8-102	5/3/2005	SVOCs	Dibenzofuran	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	Diethyl Phthalate	ug/L	9.8	5600	U	
AA-P-8-102	5/3/2005	SVOCs	Dimethyl Phthalate	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	Di-n-butylphthalate	ug/L	9.8	700	U	
AA-P-8-102	5/3/2005	SVOCs	Di-n-octylphthalate	ug/L	9.8	140	U	
AA-P-8-102	5/3/2005	SVOCs	Dinoseb	ug/L	9.8	7	U	
AA-P-8-102	5/3/2005	SVOCs	Fluoranthene	ug/L	9.8	280	U	
AA-P-8-102	5/3/2005	SVOCs	Fluorene	ug/L	9.8	280	U	
AA-P-8-102	5/3/2005	SVOCs	Hexachlorobenzene	ug/L	9.8	0.06	U	
AA-P-8-102	5/3/2005	SVOCs	Hexachlorobutadiene	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.8	50	U	
AA-P-8-102	5/3/2005	SVOCs	Hexachloroethane	ug/L	9.8	7	U	
AA-P-8-102	5/3/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.8	0.43	U	
AA-P-8-102	5/3/2005	SVOCs	Isophorone	ug/L	9.8	1400	U	
AA-P-8-102	5/3/2005	SVOCs	Naphthalene	ug/L	9.8	140	U	
AA-P-8-102	5/3/2005	SVOCs	Nitrobenzene	ug/L	9.8	3.5	U	
AA-P-8-102	5/3/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.8	1.8	U	
AA-P-8-102	5/3/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.8	3.2	U	
AA-P-8-102	5/3/2005	SVOCs	P-Chloroaniline	ug/L	20	28	U	
AA-P-8-102	5/3/2005	SVOCs	Phenanthrene	ug/L	9.8		U	
AA-P-8-102	5/3/2005	SVOCs	Phenol	ug/L	9.8	100	U	
AA-P-8-102	5/3/2005	SVOCs	P-Nitroaniline	ug/L	49		U	
AA-P-8-102	5/3/2005	SVOCs	Pyrene	ug/L	9.8	210	U	
AA-P-8-102	5/3/2005	Herbicides	2,4,5-T	ug/L	0.5		U	
AA-P-8-102	5/3/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
AA-P-8-102	5/3/2005	Herbicides	2,4-D	ug/L	0.5	70	U	
AA-P-8-102	5/3/2005	Herbicides	2,4-DB	ug/L	0.5		U	
AA-P-8-102	5/3/2005	Herbicides	Dalapon	ug/L	120	200	U	
AA-P-8-102	5/3/2005	Herbicides	Dicamba	ug/L	1.2		U	
AA-P-8-102	5/3/2005	Herbicides	Dichlorprop	ug/L	5.9		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-8-102	5/3/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-8-102	5/3/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-8-102	5/3/2005	Herbicides	Pentachlorophenol	ug/L	0.99	1	U	
AA-P-8-102	5/3/2005	Metals	Aluminum	mg/l	22			
AA-P-8-102	5/3/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-8-102	5/3/2005	Metals	Arsenic	mg/l	0.055	0.05		
AA-P-8-102	5/3/2005	Metals	Barium	mg/l	0.57	2		
AA-P-8-102	5/3/2005	Metals	Beryllium	mg/l	0.0019	0.004	J	
AA-P-8-102	5/3/2005	Metals	Cadmium	mg/l	0.0028	0.005	J	
AA-P-8-102	5/3/2005	Metals	Calcium	mg/l	280			
AA-P-8-102	5/3/2005	Metals	Chromium	mg/l	0.79	0.1		
AA-P-8-102	5/3/2005	Metals	Cobalt	mg/l	0.051	1		
AA-P-8-102	5/3/2005	Metals	Copper	mg/l	0.61	0.65		
AA-P-8-102	5/3/2005	Metals	Iron	mg/l	180	5		
AA-P-8-102	5/3/2005	Metals	Lead	mg/l	0.031	0.0075		
AA-P-8-102	5/3/2005	Metals	Magnesium	mg/l	73			
AA-P-8-102	5/3/2005	Metals	Manganese	mg/l	3.7	0.15		
AA-P-8-102	5/3/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-8-102	5/3/2005	Metals	Nickel	mg/l	0.32	0.1		
AA-P-8-102	5/3/2005	Metals	Potassium	mg/l	16			
AA-P-8-102	5/3/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-8-102	5/3/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-8-102	5/3/2005	Metals	Sodium	mg/l	53			
AA-P-8-102	5/3/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-8-102	5/3/2005	Metals	Vanadium	mg/l	0.069	0.049		
AA-P-8-102	5/3/2005	Metals	Zinc	mg/l	20	5		
AA-P-8-102	5/3/2005	Other	Ammonia	mg/l	0.67			
AA-P-8-122	5/4/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-8-122	5/4/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-8-122	5/4/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-8-122	5/4/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-8-122	5/4/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-8-122	5/4/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-8-122	5/4/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-P-8-122	5/4/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-8-122	5/4/2005	VOCs	2-Butanone (MEK)	ug/L	1.7		J	
AA-P-8-122	5/4/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-8-122	5/4/2005	VOCs	Acetone	ug/L	25	6300	U	UJ
AA-P-8-122	5/4/2005	VOCs	Benzene	ug/L	1	5	U	
AA-P-8-122	5/4/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-8-122	5/4/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-P-8-122	5/4/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-P-8-122	5/4/2005	VOCs	Carbon Disulfide	ug/L	5	700		
AA-P-8-122	5/4/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-8-122	5/4/2005	VOCs	Chlorobenzene	ug/L	1	100	U	
AA-P-8-122	5/4/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-8-122	5/4/2005	VOCs	Chloroethane	ug/L	1		U	
AA-P-8-122	5/4/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-8-122	5/4/2005	VOCs	Chloromethane	ug/L	1		U	
AA-P-8-122	5/4/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-8-122	5/4/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-P-8-122	5/4/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-8-122	5/4/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-P-8-122	5/4/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-8-122	5/4/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-8-122	5/4/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-P-8-122	5/4/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-8-122	5/4/2005	VOCs	Trichloroethene	ug/L	1	5	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-8-122	5/4/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-8-122	5/4/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-8-122	5/4/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.3	70	U	
AA-P-8-122	5/4/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.3	600	U	
AA-P-8-122	5/4/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.3	75	U	
AA-P-8-122	5/4/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.3	700	U	UJ
AA-P-8-122	5/4/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.3	10	U	UJ
AA-P-8-122	5/4/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.3	21	U	UJ
AA-P-8-122	5/4/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.3	140	U	UJ
AA-P-8-122	5/4/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	UJ
AA-P-8-122	5/4/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.3	0.02	U	
AA-P-8-122	5/4/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.3	0.31	U	
AA-P-8-122	5/4/2005	SVOCs	2-Chloronaphthalene	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	2-Chlorophenol	ug/L	9.3	35	U	UJ
AA-P-8-122	5/4/2005	SVOCs	2-Methylnaphthalene	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.3	350	U	UJ
AA-P-8-122	5/4/2005	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-P-8-122	5/4/2005	SVOCs	2-Nitrophenol	ug/L	9.3		U	UJ
AA-P-8-122	5/4/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.3		U	UJ
AA-P-8-122	5/4/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-8-122	5/4/2005	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-P-8-122	5/4/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	UJ
AA-P-8-122	5/4/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.3		U	UJ
AA-P-8-122	5/4/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	4-Nitrophenol	ug/L	47		U	UJ
AA-P-8-122	5/4/2005	SVOCs	Acenaphthene	ug/L	9.3	420	U	
AA-P-8-122	5/4/2005	SVOCs	Acenaphthylene	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	Anthracene	ug/L	9.3	2100	U	
AA-P-8-122	5/4/2005	SVOCs	Benzo(a)anthracene	ug/L	9.3	0.13	U	
AA-P-8-122	5/4/2005	SVOCs	Benzo(a)pyrene	ug/L	9.3	0.2	U	
AA-P-8-122	5/4/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.3	0.18	U	
AA-P-8-122	5/4/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.3	0.17	U	
AA-P-8-122	5/4/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.3	1400	U	
AA-P-8-122	5/4/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.3	10	U	
AA-P-8-122	5/4/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.3	6	U	
AA-P-8-122	5/4/2005	SVOCs	Carbazole	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	Chrysene	ug/L	9.3	1.5	U	
AA-P-8-122	5/4/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.3	0.3	U	
AA-P-8-122	5/4/2005	SVOCs	Dibenzofuran	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	Diethyl Phthalate	ug/L	9.3	5600	U	
AA-P-8-122	5/4/2005	SVOCs	Dimethyl Phthalate	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	Di-n-butylphthalate	ug/L	9.3	700	U	
AA-P-8-122	5/4/2005	SVOCs	Di-n-octylphthalate	ug/L	9.3	140	U	
AA-P-8-122	5/4/2005	SVOCs	Dinoseb	ug/L	9.3	7	U	UJ
AA-P-8-122	5/4/2005	SVOCs	Fluoranthene	ug/L	9.3	280	U	
AA-P-8-122	5/4/2005	SVOCs	Fluorene	ug/L	9.3	280	U	
AA-P-8-122	5/4/2005	SVOCs	Hexachlorobenzene	ug/L	9.3	0.06	U	
AA-P-8-122	5/4/2005	SVOCs	Hexachlorobutadiene	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.3	50	U	
AA-P-8-122	5/4/2005	SVOCs	Hexachloroethane	ug/L	9.3	7	U	
AA-P-8-122	5/4/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.3	0.43	U	
AA-P-8-122	5/4/2005	SVOCs	Isophorone	ug/L	9.3	1400	U	
AA-P-8-122	5/4/2005	SVOCs	Naphthalene	ug/L	9.3	140	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-8-122	5/4/2005	SVOCs	Nitrobenzene	ug/L	9.3	3.5	U	
AA-P-8-122	5/4/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.3	1.8	U	
AA-P-8-122	5/4/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.3	3.2	U	
AA-P-8-122	5/4/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-8-122	5/4/2005	SVOCs	Phenanthrene	ug/L	9.3		U	
AA-P-8-122	5/4/2005	SVOCs	Phenol	ug/L	9.3	100	U	UJ
AA-P-8-122	5/4/2005	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-P-8-122	5/4/2005	SVOCs	Pyrene	ug/L	9.3	210	U	
AA-P-8-122	5/4/2005	Herbicides	2,4,5-T	ug/L	0.5		U	
AA-P-8-122	5/4/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
AA-P-8-122	5/4/2005	Herbicides	2,4-D	ug/L	0.5	70	U	
AA-P-8-122	5/4/2005	Herbicides	2,4-DB	ug/L	0.5		U	
AA-P-8-122	5/4/2005	Herbicides	Dalapon	ug/L	120	200	U	
AA-P-8-122	5/4/2005	Herbicides	Dicamba	ug/L	1.2		U	
AA-P-8-122	5/4/2005	Herbicides	Dichlorprop	ug/L	5.9		U	
AA-P-8-122	5/4/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-8-122	5/4/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-8-122	5/4/2005	Herbicides	Pentachlorophenol	ug/L	0.99	1	U	
AA-P-8-122	5/4/2005	Metals	Aluminum	mg/l	32			
AA-P-8-122	5/4/2005	Metals	Antimony	mg/l	0.0048	0.006	J	U
AA-P-8-122	5/4/2005	Metals	Arsenic	mg/l	0.069	0.05		
AA-P-8-122	5/4/2005	Metals	Barium	mg/l	0.78	2		
AA-P-8-122	5/4/2005	Metals	Beryllium	mg/l	0.0023	0.004	J	
AA-P-8-122	5/4/2005	Metals	Cadmium	mg/l	0.0029	0.005	J	
AA-P-8-122	5/4/2005	Metals	Calcium	mg/l	280			
AA-P-8-122	5/4/2005	Metals	Chromium	mg/l	0.89	0.1		
AA-P-8-122	5/4/2005	Metals	Cobalt	mg/l	0.052	1		
AA-P-8-122	5/4/2005	Metals	Copper	mg/l	0.65	0.65		
AA-P-8-122	5/4/2005	Metals	Iron	mg/l	180	5		
AA-P-8-122	5/4/2005	Metals	Lead	mg/l	0.047	0.0075		
AA-P-8-122	5/4/2005	Metals	Magnesium	mg/l	69			
AA-P-8-122	5/4/2005	Metals	Manganese	mg/l	3.4	0.15		
AA-P-8-122	5/4/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-8-122	5/4/2005	Metals	Nickel	mg/l	0.28	0.1		
AA-P-8-122	5/4/2005	Metals	Potassium	mg/l	20			
AA-P-8-122	5/4/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-8-122	5/4/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-8-122	5/4/2005	Metals	Sodium	mg/l	140			
AA-P-8-122	5/4/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-8-122	5/4/2005	Metals	Vanadium	mg/l	0.097	0.049		
AA-P-8-122	5/4/2005	Metals	Zinc	mg/l	14	5		
AA-P-8-122	5/4/2005	Other	Ammonia	mg/l	0.55			
AA-P-8-122-D	5/4/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-8-122-D	5/4/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-8-122-D	5/4/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-8-122-D	5/4/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-8-122-D	5/4/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-8-122-D	5/4/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-8-122-D	5/4/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-P-8-122-D	5/4/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-8-122-D	5/4/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-P-8-122-D	5/4/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-8-122-D	5/4/2005	VOCs	Acetone	ug/L	25	6300	U	UJ
AA-P-8-122-D	5/4/2005	VOCs	Benzene	ug/L	1	5	U	
AA-P-8-122-D	5/4/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-8-122-D	5/4/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-P-8-122-D	5/4/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-P-8-122-D	5/4/2005	VOCs	Carbon Disulfide	ug/L	4.1	700		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-8-122-D	5/4/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-8-122-D	5/4/2005	VOCs	Chlorobenzene	ug/L	1	100	U	
AA-P-8-122-D	5/4/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-8-122-D	5/4/2005	VOCs	Chloroethane	ug/L	1		U	
AA-P-8-122-D	5/4/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-8-122-D	5/4/2005	VOCs	Chloromethane	ug/L	1		U	
AA-P-8-122-D	5/4/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-8-122-D	5/4/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-P-8-122-D	5/4/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-8-122-D	5/4/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-P-8-122-D	5/4/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-8-122-D	5/4/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-8-122-D	5/4/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-P-8-122-D	5/4/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-8-122-D	5/4/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-8-122-D	5/4/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-8-122-D	5/4/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-8-122-D	5/4/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.6	70	U	
AA-P-8-122-D	5/4/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.6	600	U	
AA-P-8-122-D	5/4/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.6	75	U	
AA-P-8-122-D	5/4/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.6	700	U	
AA-P-8-122-D	5/4/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.6	10	U	
AA-P-8-122-D	5/4/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.6	21	U	
AA-P-8-122-D	5/4/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.6	140	U	
AA-P-8-122-D	5/4/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	14	U	UJ
AA-P-8-122-D	5/4/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.6	0.02	U	
AA-P-8-122-D	5/4/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.6	0.31	U	
AA-P-8-122-D	5/4/2005	SVOCs	2-Chloronaphthalene	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	2-Chlorophenol	ug/L	9.6	35	U	
AA-P-8-122-D	5/4/2005	SVOCs	2-Methylnaphthalene	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.6	350	U	
AA-P-8-122-D	5/4/2005	SVOCs	2-Nitroaniline	ug/L	48		U	
AA-P-8-122-D	5/4/2005	SVOCs	2-Nitrophenol	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-8-122-D	5/4/2005	SVOCs	3-Nitroaniline	ug/L	48		U	
AA-P-8-122-D	5/4/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48		U	
AA-P-8-122-D	5/4/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	4-Nitrophenol	ug/L	48		U	
AA-P-8-122-D	5/4/2005	SVOCs	Acenaphthene	ug/L	9.6	420	U	
AA-P-8-122-D	5/4/2005	SVOCs	Acenaphthylene	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	Anthracene	ug/L	9.6	2100	U	
AA-P-8-122-D	5/4/2005	SVOCs	Benzo(a)anthracene	ug/L	9.6	0.13	U	
AA-P-8-122-D	5/4/2005	SVOCs	Benzo(a)pyrene	ug/L	9.6	0.2	U	
AA-P-8-122-D	5/4/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.6	0.18	U	
AA-P-8-122-D	5/4/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.6	0.17	U	
AA-P-8-122-D	5/4/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.6	1400	U	
AA-P-8-122-D	5/4/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.6	10	U	
AA-P-8-122-D	5/4/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.6	6	U	
AA-P-8-122-D	5/4/2005	SVOCs	Carbazole	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	Chrysene	ug/L	9.6	1.5	U	
AA-P-8-122-D	5/4/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.6	0.3	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-8-122-D	5/4/2005	SVOCs	Dibenzofuran	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	Diethyl Phthalate	ug/L	9.6	5600	U	
AA-P-8-122-D	5/4/2005	SVOCs	Dimethyl Phthalate	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	Di-n-butylphthalate	ug/L	9.6	700	U	
AA-P-8-122-D	5/4/2005	SVOCs	Di-n-octylphthalate	ug/L	9.6	140	U	
AA-P-8-122-D	5/4/2005	SVOCs	Dinoseb	ug/L	9.6	7	U	UJ
AA-P-8-122-D	5/4/2005	SVOCs	Fluoranthene	ug/L	9.6	280	U	
AA-P-8-122-D	5/4/2005	SVOCs	Fluorene	ug/L	9.6	280	U	
AA-P-8-122-D	5/4/2005	SVOCs	Hexachlorobenzene	ug/L	9.6	0.06	U	
AA-P-8-122-D	5/4/2005	SVOCs	Hexachlorobutadiene	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.6	50	U	
AA-P-8-122-D	5/4/2005	SVOCs	Hexachloroethane	ug/L	9.6	7	U	
AA-P-8-122-D	5/4/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.6	0.43	U	
AA-P-8-122-D	5/4/2005	SVOCs	Isophorone	ug/L	9.6	1400	U	
AA-P-8-122-D	5/4/2005	SVOCs	Naphthalene	ug/L	9.6	140	U	
AA-P-8-122-D	5/4/2005	SVOCs	Nitrobenzene	ug/L	9.6	3.5	U	
AA-P-8-122-D	5/4/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.6	1.8	U	
AA-P-8-122-D	5/4/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.6	3.2	U	
AA-P-8-122-D	5/4/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-8-122-D	5/4/2005	SVOCs	Phenanthrene	ug/L	9.6		U	
AA-P-8-122-D	5/4/2005	SVOCs	Phenol	ug/L	9.6	100	U	
AA-P-8-122-D	5/4/2005	SVOCs	P-Nitroaniline	ug/L	48		U	
AA-P-8-122-D	5/4/2005	SVOCs	Pyrene	ug/L	9.6	210	U	
AA-P-8-122-D	5/4/2005	Herbicides	2,4,5-T	ug/L	0.5		U	
AA-P-8-122-D	5/4/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
AA-P-8-122-D	5/4/2005	Herbicides	2,4-D	ug/L	0.5	70	U	
AA-P-8-122-D	5/4/2005	Herbicides	2,4-DB	ug/L	0.5		U	
AA-P-8-122-D	5/4/2005	Herbicides	Dalapon	ug/L	120	200	U	
AA-P-8-122-D	5/4/2005	Herbicides	Dicamba	ug/L	1.2		U	
AA-P-8-122-D	5/4/2005	Herbicides	Dichlorprop	ug/L	6		U	
AA-P-8-122-D	5/4/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-8-122-D	5/4/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-8-122-D	5/4/2005	Herbicides	Pentachlorophenol	ug/L	1	1	U	
AA-P-8-122-D	5/4/2005	Metals	Aluminum	mg/l	39			
AA-P-8-122-D	5/4/2005	Metals	Antimony	mg/l	0.0068	0.006	J	U
AA-P-8-122-D	5/4/2005	Metals	Arsenic	mg/l	0.085	0.05		
AA-P-8-122-D	5/4/2005	Metals	Barium	mg/l	1.1	2		
AA-P-8-122-D	5/4/2005	Metals	Beryllium	mg/l	0.0021	0.004	J	
AA-P-8-122-D	5/4/2005	Metals	Cadmium	mg/l	0.003	0.005	J	
AA-P-8-122-D	5/4/2005	Metals	Calcium	mg/l	280			
AA-P-8-122-D	5/4/2005	Metals	Chromium	mg/l	0.87	0.1		
AA-P-8-122-D	5/4/2005	Metals	Cobalt	mg/l	0.049	1		
AA-P-8-122-D	5/4/2005	Metals	Copper	mg/l	0.65	0.65		
AA-P-8-122-D	5/4/2005	Metals	Iron	mg/l	170	5		
AA-P-8-122-D	5/4/2005	Metals	Lead	mg/l	0.055	0.0075		
AA-P-8-122-D	5/4/2005	Metals	Magnesium	mg/l	70			
AA-P-8-122-D	5/4/2005	Metals	Manganese	mg/l	3	0.15		
AA-P-8-122-D	5/4/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-8-122-D	5/4/2005	Metals	Nickel	mg/l	0.24	0.1		
AA-P-8-122-D	5/4/2005	Metals	Potassium	mg/l	21			
AA-P-8-122-D	5/4/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-8-122-D	5/4/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-8-122-D	5/4/2005	Metals	Sodium	mg/l	150			
AA-P-8-122-D	5/4/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-8-122-D	5/4/2005	Metals	Vanadium	mg/l	0.11	0.049		
AA-P-8-122-D	5/4/2005	Metals	Zinc	mg/l	12	5		
AA-P-8-122-D	5/4/2005	Other	Ammonia	mg/l	0.66			
AA-P-9-94	5/18/2005	VOCs	1,1,1-Trichloroethane	ug/L	2	200	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-9-94	5/18/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	2		U	
AA-P-9-94	5/18/2005	VOCs	1,1,2-Trichloroethane	ug/L	2	5	U	
AA-P-9-94	5/18/2005	VOCs	1,1-Dichloroethane	ug/L	2	700	U	
AA-P-9-94	5/18/2005	VOCs	1,1-Dichloroethylene	ug/L	2	7	U	
AA-P-9-94	5/18/2005	VOCs	1,2-Dichloroethane	ug/L	2	5	U	
AA-P-9-94	5/18/2005	VOCs	1,2-Dichloroethene (total)	ug/L	4		U	
AA-P-9-94	5/18/2005	VOCs	1,2-Dichloropropane	ug/L	2	5	U	
AA-P-9-94	5/18/2005	VOCs	2-Butanone (MEK)	ug/L	20		U	
AA-P-9-94	5/18/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	20		U	
AA-P-9-94	5/18/2005	VOCs	Acetone	ug/L	50	6300	U	
AA-P-9-94	5/18/2005	VOCs	Benzene	ug/L	2	5	U	
AA-P-9-94	5/18/2005	VOCs	Bromodichloromethane	ug/L	2	0.2	U	
AA-P-9-94	5/18/2005	VOCs	Bromoform	ug/L	2	1	U	
AA-P-9-94	5/18/2005	VOCs	Bromomethane	ug/L	2	9.8	U	
AA-P-9-94	5/18/2005	VOCs	Carbon Disulfide	ug/L	2	700	U	
AA-P-9-94	5/18/2005	VOCs	Carbon Tetrachloride	ug/L	2	5	U	
AA-P-9-94	5/18/2005	VOCs	Chlorobenzene	ug/L	170	100		
AA-P-9-94	5/18/2005	VOCs	Chlorodibromomethane	ug/L	2	140	U	
AA-P-9-94	5/18/2005	VOCs	Chloroethane	ug/L	2		U	
AA-P-9-94	5/18/2005	VOCs	Chloroform	ug/L	2	0.2	U	
AA-P-9-94	5/18/2005	VOCs	Chloromethane	ug/L	2		U	
AA-P-9-94	5/18/2005	VOCs	cis-1,3-Dichloropropene	ug/L	2		U	
AA-P-9-94	5/18/2005	VOCs	Dichloromethane	ug/L	2	5	U	
AA-P-9-94	5/18/2005	VOCs	Ethylbenzene	ug/L	2	700	U	
AA-P-9-94	5/18/2005	VOCs	Methyl N-Butyl Ketone	ug/L	20		U	
AA-P-9-94	5/18/2005	VOCs	Styrene (Monomer)	ug/L	2	100	U	
AA-P-9-94	5/18/2005	VOCs	Tetrachloroethene	ug/L	2	5	U	
AA-P-9-94	5/18/2005	VOCs	Toluene	ug/L	2	1000	U	
AA-P-9-94	5/18/2005	VOCs	trans-1,3-Dichloropropene	ug/L	2		U	
AA-P-9-94	5/18/2005	VOCs	Trichloroethene	ug/L	2	5	U	
AA-P-9-94	5/18/2005	VOCs	Vinyl chloride	ug/L	2	2	U	
AA-P-9-94	5/18/2005	VOCs	Xylenes, Total	ug/L	4	10000	U	
AA-P-9-94	5/18/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.5	70	U	
AA-P-9-94	5/18/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.5	600	U	
AA-P-9-94	5/18/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.5	75	U	
AA-P-9-94	5/18/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.5	700	U	
AA-P-9-94	5/18/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.5	10	U	
AA-P-9-94	5/18/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.5	21	U	
AA-P-9-94	5/18/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.5	140	U	
AA-P-9-94	5/18/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	14	U	
AA-P-9-94	5/18/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.5	0.02	U	
AA-P-9-94	5/18/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.5	0.31	U	
AA-P-9-94	5/18/2005	SVOCs	2-Chloronaphthalene	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	2-Chlorophenol	ug/L	4.3	35	J	J
AA-P-9-94	5/18/2005	SVOCs	2-Methylnaphthalene	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.5	350	U	
AA-P-9-94	5/18/2005	SVOCs	2-Nitroaniline	ug/L	48		U	
AA-P-9-94	5/18/2005	SVOCs	2-Nitrophenol	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-9-94	5/18/2005	SVOCs	3-Nitroaniline	ug/L	48		U	
AA-P-9-94	5/18/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48		U	
AA-P-9-94	5/18/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	4-Nitrophenol	ug/L	48		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-9-94	5/18/2005	SVOCs	Acenaphthene	ug/L	9.5	420	U	
AA-P-9-94	5/18/2005	SVOCs	Acenaphthylene	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	Anthracene	ug/L	9.5	2100	U	
AA-P-9-94	5/18/2005	SVOCs	Benzo(a)anthracene	ug/L	9.5	0.13	U	
AA-P-9-94	5/18/2005	SVOCs	Benzo(a)pyrene	ug/L	9.5	0.2	U	
AA-P-9-94	5/18/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.5	0.18	U	
AA-P-9-94	5/18/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.5	0.17	U	
AA-P-9-94	5/18/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.5	1400	U	
AA-P-9-94	5/18/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.5	10	U	
AA-P-9-94	5/18/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.5	6	U	
AA-P-9-94	5/18/2005	SVOCs	Carbazole	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	Chrysene	ug/L	9.5	1.5	U	
AA-P-9-94	5/18/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.5	0.3	U	
AA-P-9-94	5/18/2005	SVOCs	Dibenzofuran	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	Diethyl Phthalate	ug/L	9.5	5600	U	
AA-P-9-94	5/18/2005	SVOCs	Dimethyl Phthalate	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	Di-n-butylphthalate	ug/L	9.5	700	U	
AA-P-9-94	5/18/2005	SVOCs	Di-n-octylphthalate	ug/L	9.5	140	U	
AA-P-9-94	5/18/2005	SVOCs	Dinoseb	ug/L	9.5	7	U	
AA-P-9-94	5/18/2005	SVOCs	Fluoranthene	ug/L	9.5	280	U	
AA-P-9-94	5/18/2005	SVOCs	Fluorene	ug/L	9.5	280	U	
AA-P-9-94	5/18/2005	SVOCs	Hexachlorobenzene	ug/L	9.5	0.06	U	
AA-P-9-94	5/18/2005	SVOCs	Hexachlorobutadiene	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.5	50	U	
AA-P-9-94	5/18/2005	SVOCs	Hexachloroethane	ug/L	9.5	7	U	
AA-P-9-94	5/18/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.5	0.43	U	
AA-P-9-94	5/18/2005	SVOCs	Isophorone	ug/L	9.5	1400	U	
AA-P-9-94	5/18/2005	SVOCs	Naphthalene	ug/L	9.5	140	U	
AA-P-9-94	5/18/2005	SVOCs	Nitrobenzene	ug/L	9.5	3.5	U	
AA-P-9-94	5/18/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.5	1.8	U	
AA-P-9-94	5/18/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.5	3.2	U	
AA-P-9-94	5/18/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-9-94	5/18/2005	SVOCs	Phenanthrene	ug/L	9.5		U	
AA-P-9-94	5/18/2005	SVOCs	Phenol	ug/L	9.5	100	U	
AA-P-9-94	5/18/2005	SVOCs	P-Nitroaniline	ug/L	48		U	
AA-P-9-94	5/18/2005	SVOCs	Pyrene	ug/L	9.5	210	U	
AA-P-9-94	5/18/2005	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-P-9-94	5/18/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-P-9-94	5/18/2005	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-P-9-94	5/18/2005	Herbicides	2,4-DB	ug/L	0.48		U	
AA-P-9-94	5/18/2005	Herbicides	Dalapon	ug/L	9.6	200	U	
AA-P-9-94	5/18/2005	Herbicides	Dicamba	ug/L	0.48		U	
AA-P-9-94	5/18/2005	Herbicides	Dichlorprop	ug/L	0.48		U	
AA-P-9-94	5/18/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-9-94	5/18/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-9-94	5/18/2005	Herbicides	Pentachlorophenol	ug/L	0.27	1		U
AA-P-9-94	5/18/2005	Metals	Aluminum	mg/l	7.3			
AA-P-9-94	5/18/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-9-94	5/18/2005	Metals	Arsenic	mg/l	0.016	0.05		
AA-P-9-94	5/18/2005	Metals	Barium	mg/l	1.3	2		
AA-P-9-94	5/18/2005	Metals	Beryllium	mg/l	0.00065	0.004	J	
AA-P-9-94	5/18/2005	Metals	Cadmium	mg/l	0.0019	0.005	J	
AA-P-9-94	5/18/2005	Metals	Calcium	mg/l	200			
AA-P-9-94	5/18/2005	Metals	Chromium	mg/l	0.071	0.1		
AA-P-9-94	5/18/2005	Metals	Cobalt	mg/l	0.018	1		
AA-P-9-94	5/18/2005	Metals	Copper	mg/l	0.05	0.65		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-9-94	5/18/2005	Metals	Iron	mg/l	42	5		
AA-P-9-94	5/18/2005	Metals	Lead	mg/l	0.033	0.0075		
AA-P-9-94	5/18/2005	Metals	Magnesium	mg/l	49			
AA-P-9-94	5/18/2005	Metals	Manganese	mg/l	2	0.15		
AA-P-9-94	5/18/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-9-94	5/18/2005	Metals	Nickel	mg/l	0.064	0.1		
AA-P-9-94	5/18/2005	Metals	Potassium	mg/l	42		J	
AA-P-9-94	5/18/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-9-94	5/18/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-9-94	5/18/2005	Metals	Sodium	mg/l	280			
AA-P-9-94	5/18/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-9-94	5/18/2005	Metals	Vanadium	mg/l	0.029	0.049		
AA-P-9-94	5/18/2005	Metals	Zinc	mg/l	0.47	5		
AA-P-9-94	5/18/2005	Other	Ammonia	mg/l	8.9			
AA-P-9-114	5/18/2005	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
AA-P-9-114	5/18/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
AA-P-9-114	5/18/2005	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
AA-P-9-114	5/18/2005	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
AA-P-9-114	5/18/2005	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
AA-P-9-114	5/18/2005	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
AA-P-9-114	5/18/2005	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
AA-P-9-114	5/18/2005	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
AA-P-9-114	5/18/2005	VOCs	2-Butanone (MEK)	ug/L	50		U	
AA-P-9-114	5/18/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
AA-P-9-114	5/18/2005	VOCs	Acetone	ug/L	130	6300	U	
AA-P-9-114	5/18/2005	VOCs	Benzene	ug/L	51	5		
AA-P-9-114	5/18/2005	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
AA-P-9-114	5/18/2005	VOCs	Bromoform	ug/L	5	1	U	
AA-P-9-114	5/18/2005	VOCs	Bromomethane	ug/L	5	9.8	U	
AA-P-9-114	5/18/2005	VOCs	Carbon Disulfide	ug/L	5	700		
AA-P-9-114	5/18/2005	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
AA-P-9-114	5/18/2005	VOCs	Chlorobenzene	ug/L	330	100		
AA-P-9-114	5/18/2005	VOCs	Chlorodibromomethane	ug/L	5	140	U	
AA-P-9-114	5/18/2005	VOCs	Chloroethane	ug/L	5		U	
AA-P-9-114	5/18/2005	VOCs	Chloroform	ug/L	5	0.2	U	
AA-P-9-114	5/18/2005	VOCs	Chloromethane	ug/L	5		U	
AA-P-9-114	5/18/2005	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
AA-P-9-114	5/18/2005	VOCs	Dichloromethane	ug/L	5	5	U	
AA-P-9-114	5/18/2005	VOCs	Ethylbenzene	ug/L	5	700	U	
AA-P-9-114	5/18/2005	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
AA-P-9-114	5/18/2005	VOCs	Styrene (Monomer)	ug/L	5	100	U	
AA-P-9-114	5/18/2005	VOCs	Tetrachloroethene	ug/L	5	5	U	
AA-P-9-114	5/18/2005	VOCs	Toluene	ug/L	5	1000	U	
AA-P-9-114	5/18/2005	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
AA-P-9-114	5/18/2005	VOCs	Trichloroethene	ug/L	5	5	U	
AA-P-9-114	5/18/2005	VOCs	Vinyl chloride	ug/L	5	2	U	
AA-P-9-114	5/18/2005	VOCs	Xylenes, Total	ug/L	10	10000	U	
AA-P-9-114	5/18/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	UJ
AA-P-9-114	5/18/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.4	600	U	UJ
AA-P-9-114	5/18/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	1,4-Dichlorobenzene	ug/L	1	75	J	J
AA-P-9-114	5/18/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	UJ
AA-P-9-114	5/18/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	UJ
AA-P-9-114	5/18/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.4	21	U	UJ
AA-P-9-114	5/18/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	UJ
AA-P-9-114	5/18/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	UJ
AA-P-9-114	5/18/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	UJ

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-9-114	5/18/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	UJ
AA-P-9-114	5/18/2005	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	2-Chlorophenol	ug/L	8.8	35	J	J
AA-P-9-114	5/18/2005	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	UJ
AA-P-9-114	5/18/2005	SVOCs	2-Nitroaniline	ug/L	47		U	UJ
AA-P-9-114	5/18/2005	SVOCs	2-Nitrophenol	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	UJ
AA-P-9-114	5/18/2005	SVOCs	3-Nitroaniline	ug/L	47		U	UJ
AA-P-9-114	5/18/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	UJ
AA-P-9-114	5/18/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	4-Nitrophenol	ug/L	47		U	UJ
AA-P-9-114	5/18/2005	SVOCs	Acenaphthene	ug/L	9.4	420	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Acenaphthylene	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	Anthracene	ug/L	9.4	2100	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	UJ
AA-P-9-114	5/18/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	UJ
AA-P-9-114	5/18/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	6	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Carbazole	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	Chrysene	ug/L	9.4	1.5	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Dibenzofuran	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	Diethyl Phthalate	ug/L	9.4	5600	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Dinoseb	ug/L	9.4	7	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Fluoranthene	ug/L	9.4	280	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Fluorene	ug/L	9.4	280	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Hexachloroethane	ug/L	9.4	7	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Isophorone	ug/L	9.4	1400	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Naphthalene	ug/L	9.4	140	U	UJ
AA-P-9-114	5/18/2005	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	UJ
AA-P-9-114	5/18/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	UJ
AA-P-9-114	5/18/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	UJ
AA-P-9-114	5/18/2005	SVOCs	P-Chloroaniline	ug/L	170	28	D	
AA-P-9-114	5/18/2005	SVOCs	Phenanthrene	ug/L	9.4		U	UJ
AA-P-9-114	5/18/2005	SVOCs	Phenol	ug/L	9.4	100	U	UJ
AA-P-9-114	5/18/2005	SVOCs	P-Nitroaniline	ug/L	47		U	UJ
AA-P-9-114	5/18/2005	SVOCs	Pyrene	ug/L	9.4	210	U	UJ
AA-P-9-114	5/18/2005	Herbicides	2,4,5-T	ug/L	0.49		U	
AA-P-9-114	5/18/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
AA-P-9-114	5/18/2005	Herbicides	2,4-D	ug/L	0.49	70	U	
AA-P-9-114	5/18/2005	Herbicides	2,4-DB	ug/L	0.49		U	
AA-P-9-114	5/18/2005	Herbicides	Dalapon	ug/L	9.7	200	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-9-114	5/18/2005	Herbicides	Dicamba	ug/L	0.49		U	
AA-P-9-114	5/18/2005	Herbicides	Dichlorprop	ug/L	0.49		U	
AA-P-9-114	5/18/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-9-114	5/18/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-9-114	5/18/2005	Herbicides	Pentachlorophenol	ug/L	0.22	1	J	U
AA-P-9-114	5/18/2005	Metals	Aluminum	mg/l	23			
AA-P-9-114	5/18/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-9-114	5/18/2005	Metals	Arsenic	mg/l	0.033	0.05		
AA-P-9-114	5/18/2005	Metals	Barium	mg/l	1.8	2		
AA-P-9-114	5/18/2005	Metals	Beryllium	mg/l	0.0017	0.004	J	
AA-P-9-114	5/18/2005	Metals	Cadmium	mg/l	0.0022	0.005	J	
AA-P-9-114	5/18/2005	Metals	Calcium	mg/l	240			
AA-P-9-114	5/18/2005	Metals	Chromium	mg/l	0.45	0.1		
AA-P-9-114	5/18/2005	Metals	Cobalt	mg/l	0.04	1		
AA-P-9-114	5/18/2005	Metals	Copper	mg/l	0.14	0.65		
AA-P-9-114	5/18/2005	Metals	Iron	mg/l	120	5		
AA-P-9-114	5/18/2005	Metals	Lead	mg/l	0.048	0.0075		
AA-P-9-114	5/18/2005	Metals	Magnesium	mg/l	68			
AA-P-9-114	5/18/2005	Metals	Manganese	mg/l	4.1	0.15		
AA-P-9-114	5/18/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-9-114	5/18/2005	Metals	Nickel	mg/l	0.15	0.1		
AA-P-9-114	5/18/2005	Metals	Potassium	mg/l	98			
AA-P-9-114	5/18/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-9-114	5/18/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-9-114	5/18/2005	Metals	Sodium	mg/l	210			
AA-P-9-114	5/18/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-9-114	5/18/2005	Metals	Vanadium	mg/l	0.075	0.049		
AA-P-9-114	5/18/2005	Metals	Zinc	mg/l	1.7	5		
AA-P-9-114	5/18/2005	Other	Ammonia	mg/l	1.7			
AA-P-9-126	5/18/2005	VOCs	1,1,1-Trichloroethane	ug/L	10	200	U	
AA-P-9-126	5/18/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	10		U	
AA-P-9-126	5/18/2005	VOCs	1,1,2-Trichloroethane	ug/L	10	5	U	
AA-P-9-126	5/18/2005	VOCs	1,1-Dichloroethane	ug/L	10	700	U	
AA-P-9-126	5/18/2005	VOCs	1,1-Dichloroethylene	ug/L	10	7	U	
AA-P-9-126	5/18/2005	VOCs	1,2-Dichloroethane	ug/L	10	5	U	
AA-P-9-126	5/18/2005	VOCs	1,2-Dichloroethene (total)	ug/L	20		U	
AA-P-9-126	5/18/2005	VOCs	1,2-Dichloropropane	ug/L	10	5	U	
AA-P-9-126	5/18/2005	VOCs	2-Butanone (MEK)	ug/L	100		U	
AA-P-9-126	5/18/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	100		U	
AA-P-9-126	5/18/2005	VOCs	Acetone	ug/L	250	6300	U	
AA-P-9-126	5/18/2005	VOCs	Benzene	ug/L	37	5		
AA-P-9-126	5/18/2005	VOCs	Bromodichloromethane	ug/L	10	0.2	U	
AA-P-9-126	5/18/2005	VOCs	Bromoform	ug/L	10	1	U	
AA-P-9-126	5/18/2005	VOCs	Bromomethane	ug/L	10	9.8	U	
AA-P-9-126	5/18/2005	VOCs	Carbon Disulfide	ug/L	10	700	U	
AA-P-9-126	5/18/2005	VOCs	Carbon Tetrachloride	ug/L	10	5	U	
AA-P-9-126	5/18/2005	VOCs	Chlorobenzene	ug/L	700	100		
AA-P-9-126	5/18/2005	VOCs	Chlorodibromomethane	ug/L	10	140	U	
AA-P-9-126	5/18/2005	VOCs	Chloroethane	ug/L	10		U	
AA-P-9-126	5/18/2005	VOCs	Chloroform	ug/L	10	0.2	U	
AA-P-9-126	5/18/2005	VOCs	Chloromethane	ug/L	10		U	
AA-P-9-126	5/18/2005	VOCs	cis-1,3-Dichloropropene	ug/L	10		U	
AA-P-9-126	5/18/2005	VOCs	Dichloromethane	ug/L	50	5	U	
AA-P-9-126	5/18/2005	VOCs	Ethylbenzene	ug/L	10	700	U	
AA-P-9-126	5/18/2005	VOCs	Methyl N-Butyl Ketone	ug/L	100		U	
AA-P-9-126	5/18/2005	VOCs	Styrene (Monomer)	ug/L	10	100	U	
AA-P-9-126	5/18/2005	VOCs	Tetrachloroethene	ug/L	10	5	U	
AA-P-9-126	5/18/2005	VOCs	Toluene	ug/L	10	1000	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-9-126	5/18/2005	VOCs	trans-1,3-Dichloropropene	ug/L	10		U	
AA-P-9-126	5/18/2005	VOCs	Trichloroethene	ug/L	10	5	U	
AA-P-9-126	5/18/2005	VOCs	Vinyl chloride	ug/L	10	2	U	
AA-P-9-126	5/18/2005	VOCs	Xylenes, Total	ug/L	20	10000	U	
AA-P-9-126	5/18/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.3	70	U	
AA-P-9-126	5/18/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.3	600	U	
AA-P-9-126	5/18/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	1,4-Dichlorobenzene	ug/L	4.9	75	J	J
AA-P-9-126	5/18/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.3	700	U	
AA-P-9-126	5/18/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.3	10	U	
AA-P-9-126	5/18/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.3	21	U	
AA-P-9-126	5/18/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.3	140	U	
AA-P-9-126	5/18/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-P-9-126	5/18/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.3	0.02	U	
AA-P-9-126	5/18/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.3	0.31	U	
AA-P-9-126	5/18/2005	SVOCs	2-Chloronaphthalene	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	2-Chlorophenol	ug/L	11	35		J
AA-P-9-126	5/18/2005	SVOCs	2-Methylnaphthalene	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.3	350	U	
AA-P-9-126	5/18/2005	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-P-9-126	5/18/2005	SVOCs	2-Nitrophenol	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-9-126	5/18/2005	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-P-9-126	5/18/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
AA-P-9-126	5/18/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-P-9-126	5/18/2005	SVOCs	Acenaphthene	ug/L	9.3	420	U	
AA-P-9-126	5/18/2005	SVOCs	Acenaphthylene	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	Anthracene	ug/L	9.3	2100	U	
AA-P-9-126	5/18/2005	SVOCs	Benzo(a)anthracene	ug/L	9.3	0.13	U	
AA-P-9-126	5/18/2005	SVOCs	Benzo(a)pyrene	ug/L	1	0.2	J	
AA-P-9-126	5/18/2005	SVOCs	Benzo(b)fluoranthene	ug/L	0.92	0.18	J	
AA-P-9-126	5/18/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	1.4		J	U
AA-P-9-126	5/18/2005	SVOCs	Benzo(k)fluoranthene	ug/L	0.87	0.17	J	
AA-P-9-126	5/18/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.3	1400	U	
AA-P-9-126	5/18/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.3	10	U	
AA-P-9-126	5/18/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.3	6	U	
AA-P-9-126	5/18/2005	SVOCs	Carbazole	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	Chrysene	ug/L	9.3	1.5	U	
AA-P-9-126	5/18/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	1.1	0.3	J	
AA-P-9-126	5/18/2005	SVOCs	Dibenzofuran	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	Diethyl Phthalate	ug/L	9.3	5600	U	
AA-P-9-126	5/18/2005	SVOCs	Dimethyl Phthalate	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	Di-n-butylphthalate	ug/L	9.3	700	U	
AA-P-9-126	5/18/2005	SVOCs	Di-n-octylphthalate	ug/L	9.3	140	U	
AA-P-9-126	5/18/2005	SVOCs	Dinoseb	ug/L	9.3	7	U	
AA-P-9-126	5/18/2005	SVOCs	Fluoranthene	ug/L	9.3	280	U	
AA-P-9-126	5/18/2005	SVOCs	Fluorene	ug/L	9.3	280	U	
AA-P-9-126	5/18/2005	SVOCs	Hexachlorobenzene	ug/L	9.3	0.06	U	
AA-P-9-126	5/18/2005	SVOCs	Hexachlorobutadiene	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.3	50	U	
AA-P-9-126	5/18/2005	SVOCs	Hexachloroethane	ug/L	9.3	7	U	
AA-P-9-126	5/18/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	1.1	0.43	J	U

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-9-126	5/18/2005	SVOCs	Isophorone	ug/L	9.3	1400	U	
AA-P-9-126	5/18/2005	SVOCs	Naphthalene	ug/L	9.3	140	U	
AA-P-9-126	5/18/2005	SVOCs	Nitrobenzene	ug/L	9.3	3.5	U	
AA-P-9-126	5/18/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.3	1.8	U	
AA-P-9-126	5/18/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.3	3.2	U	
AA-P-9-126	5/18/2005	SVOCs	P-Chloroaniline	ug/L	570	28		
AA-P-9-126	5/18/2005	SVOCs	Phenanthrene	ug/L	9.3		U	
AA-P-9-126	5/18/2005	SVOCs	Phenol	ug/L	9.3	100	U	
AA-P-9-126	5/18/2005	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-P-9-126	5/18/2005	SVOCs	Pyrene	ug/L	9.3	210	U	
AA-P-9-126	5/18/2005	Herbicides	2,4,5-T	ug/L	0.49		U	
AA-P-9-126	5/18/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
AA-P-9-126	5/18/2005	Herbicides	2,4-D	ug/L	0.49	70	U	
AA-P-9-126	5/18/2005	Herbicides	2,4-DB	ug/L	0.49		U	
AA-P-9-126	5/18/2005	Herbicides	Dalapon	ug/L	9.7	200	U	
AA-P-9-126	5/18/2005	Herbicides	Dicamba	ug/L	0.49		U	
AA-P-9-126	5/18/2005	Herbicides	Dichlorprop	ug/L	0.49		U	
AA-P-9-126	5/18/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-P-9-126	5/18/2005	Herbicides	MCPP	ug/L	120		U	
AA-P-9-126	5/18/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-P-9-126	5/18/2005	Metals	Aluminum	mg/l	23			
AA-P-9-126	5/18/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-9-126	5/18/2005	Metals	Arsenic	mg/l	0.033	0.05		
AA-P-9-126	5/18/2005	Metals	Barium	mg/l	1.8	2		
AA-P-9-126	5/18/2005	Metals	Beryllium	mg/l	0.002	0.004	J	
AA-P-9-126	5/18/2005	Metals	Cadmium	mg/l	0.0029	0.005	J	
AA-P-9-126	5/18/2005	Metals	Calcium	mg/l	250			
AA-P-9-126	5/18/2005	Metals	Chromium	mg/l	0.51	0.1		
AA-P-9-126	5/18/2005	Metals	Cobalt	mg/l	0.051	1		
AA-P-9-126	5/18/2005	Metals	Copper	mg/l	0.18	0.65		
AA-P-9-126	5/18/2005	Metals	Iron	mg/l	150	5		
AA-P-9-126	5/18/2005	Metals	Lead	mg/l	0.052	0.0075		
AA-P-9-126	5/18/2005	Metals	Magnesium	mg/l	75			
AA-P-9-126	5/18/2005	Metals	Manganese	mg/l	7.7	0.15		
AA-P-9-126	5/18/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-9-126	5/18/2005	Metals	Nickel	mg/l	0.19	0.1		
AA-P-9-126	5/18/2005	Metals	Potassium	mg/l	130			
AA-P-9-126	5/18/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-9-126	5/18/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-9-126	5/18/2005	Metals	Sodium	mg/l	200			
AA-P-9-126	5/18/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-9-126	5/18/2005	Metals	Vanadium	mg/l	0.1	0.049		
AA-P-9-126	5/18/2005	Metals	Zinc	mg/l	2.4	5		
AA-P-9-126	5/18/2005	Other	Ammonia	mg/l	1.5			
AA-P-10-82	6/6/2006	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-10-82	6/6/2006	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-10-82	6/6/2006	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-10-82	6/6/2006	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-10-82	6/6/2006	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-10-82	6/6/2006	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-10-82	6/6/2006	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-10-82	6/6/2006	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-P-10-82	6/6/2006	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-10-82	6/6/2006	VOCs	Acetone	ug/L	39	6300		
AA-P-10-82	6/6/2006	VOCs	Benzene	ug/L	1	5	U	
AA-P-10-82	6/6/2006	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-10-82	6/6/2006	VOCs	Bromoform	ug/L	1	1	U	
AA-P-10-82	6/6/2006	VOCs	Bromomethane	ug/L	1	9.8	U	UJ

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-10-82	6/6/2006	VOCs	Carbon Disulfide	ug/L	2	700	U	
AA-P-10-82	6/6/2006	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-10-82	6/6/2006	VOCs	Chlorobenzene	ug/L	0.45	100	J	
AA-P-10-82	6/6/2006	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-10-82	6/6/2006	VOCs	Chloroethane	ug/L	1		U	
AA-P-10-82	6/6/2006	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-10-82	6/6/2006	VOCs	Chloromethane	ug/L	1		U	UJ
AA-P-10-82	6/6/2006	VOCs	cis-1,2-Dichloroethene	ug/L	1	70	U	
AA-P-10-82	6/6/2006	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-10-82	6/6/2006	VOCs	Dichloromethane	ug/L	5	5	U	
AA-P-10-82	6/6/2006	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-10-82	6/6/2006	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-P-10-82	6/6/2006	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-10-82	6/6/2006	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-10-82	6/6/2006	VOCs	Toluene	ug/L	1	1000	U	
AA-P-10-82	6/6/2006	VOCs	trans-1,2-Dichloroethene	ug/L	1	100	U	
AA-P-10-82	6/6/2006	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-10-82	6/6/2006	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-10-82	6/6/2006	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-10-82	6/6/2006	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-10-82	6/6/2006	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	
AA-P-10-82	6/6/2006	SVOCs	1,2-Dichlorobenzene	ug/L	9.4	600	U	
AA-P-10-82	6/6/2006	SVOCs	1,3-Dichlorobenzene	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	1,4-Dichlorobenzene	ug/L	9.4	75	U	
AA-P-10-82	6/6/2006	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	
AA-P-10-82	6/6/2006	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	
AA-P-10-82	6/6/2006	SVOCs	2,4-Dichlorophenol	ug/L	9.4	21	U	
AA-P-10-82	6/6/2006	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	
AA-P-10-82	6/6/2006	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-P-10-82	6/6/2006	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	
AA-P-10-82	6/6/2006	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	
AA-P-10-82	6/6/2006	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	2-Chlorophenol	ug/L	9.4	35	U	
AA-P-10-82	6/6/2006	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	
AA-P-10-82	6/6/2006	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-P-10-82	6/6/2006	SVOCs	2-Nitrophenol	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-10-82	6/6/2006	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-P-10-82	6/6/2006	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
AA-P-10-82	6/6/2006	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-P-10-82	6/6/2006	SVOCs	Acenaphthene	ug/L	9.4	420	U	
AA-P-10-82	6/6/2006	SVOCs	Acenaphthylene	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	Anthracene	ug/L	9.4	2100	U	
AA-P-10-82	6/6/2006	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	
AA-P-10-82	6/6/2006	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	
AA-P-10-82	6/6/2006	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	
AA-P-10-82	6/6/2006	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	
AA-P-10-82	6/6/2006	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	
AA-P-10-82	6/6/2006	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	
AA-P-10-82	6/6/2006	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	6	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-10-82	6/6/2006	SVOCs	Carbazole	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	Chrysene	ug/L	9.4	1.5	U	
AA-P-10-82	6/6/2006	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	
AA-P-10-82	6/6/2006	SVOCs	Dibenzofuran	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	Diethyl Phthalate	ug/L	9.4	5600	U	
AA-P-10-82	6/6/2006	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	
AA-P-10-82	6/6/2006	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	
AA-P-10-82	6/6/2006	SVOCs	Dinoseb	ug/L	9.4	7	U	
AA-P-10-82	6/6/2006	SVOCs	Fluoranthene	ug/L	9.4	280	U	
AA-P-10-82	6/6/2006	SVOCs	Fluorene	ug/L	9.4	280	U	
AA-P-10-82	6/6/2006	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	
AA-P-10-82	6/6/2006	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	
AA-P-10-82	6/6/2006	SVOCs	Hexachloroethane	ug/L	9.4	7	U	
AA-P-10-82	6/6/2006	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	
AA-P-10-82	6/6/2006	SVOCs	Isophorone	ug/L	9.4	1400	U	
AA-P-10-82	6/6/2006	SVOCs	Naphthalene	ug/L	9.4	140	U	
AA-P-10-82	6/6/2006	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	
AA-P-10-82	6/6/2006	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	
AA-P-10-82	6/6/2006	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	
AA-P-10-82	6/6/2006	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-10-82	6/6/2006	SVOCs	Phenanthrene	ug/L	9.4		U	
AA-P-10-82	6/6/2006	SVOCs	Phenol	ug/L	9.4	100	U	
AA-P-10-82	6/6/2006	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-P-10-82	6/6/2006	SVOCs	Pyrene	ug/L	9.4	210	U	
AA-P-10-82	6/6/2006	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-P-10-82	6/6/2006	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-P-10-82	6/6/2006	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-P-10-82	6/6/2006	Herbicides	2,4-DB	ug/L	0.48		U	
AA-P-10-82	6/6/2006	Herbicides	Dalapon	ug/L	9.5	200	U	
AA-P-10-82	6/6/2006	Herbicides	Dicamba	ug/L	0.48		U	
AA-P-10-82	6/6/2006	Herbicides	Dichlorprop	ug/L	0.48		U	
AA-P-10-82	6/6/2006	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	110		U	
AA-P-10-82	6/6/2006	Herbicides	MCPP	ug/L	110		U	
AA-P-10-82	6/6/2006	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-P-10-82	6/6/2006	Metals	Aluminum	mg/l	12			
AA-P-10-82	6/6/2006	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-10-82	6/6/2006	Metals	Arsenic	mg/l	0.02	0.05		
AA-P-10-82	6/6/2006	Metals	Barium	mg/l	0.38	2		J
AA-P-10-82	6/6/2006	Metals	Beryllium	mg/l	0.00082	0.004	J	U
AA-P-10-82	6/6/2006	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-P-10-82	6/6/2006	Metals	Calcium	mg/l	410			
AA-P-10-82	6/6/2006	Metals	Chromium	mg/l	0.11	0.1		J
AA-P-10-82	6/6/2006	Metals	Cobalt	mg/l	0.016	1		
AA-P-10-82	6/6/2006	Metals	Copper	mg/l	0.041	0.65		
AA-P-10-82	6/6/2006	Metals	Iron	mg/l	93	5		
AA-P-10-82	6/6/2006	Metals	Lead	mg/l	0.021	0.0075		
AA-P-10-82	6/6/2006	Metals	Magnesium	mg/l	97			
AA-P-10-82	6/6/2006	Metals	Manganese	mg/l	2.7	0.15		J
AA-P-10-82	6/6/2006	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-10-82	6/6/2006	Metals	Nickel	mg/l	0.058	0.1		
AA-P-10-82	6/6/2006	Metals	Potassium	mg/l	18		B	
AA-P-10-82	6/6/2006	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-10-82	6/6/2006	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-10-82	6/6/2006	Metals	Sodium	mg/l	140			
AA-P-10-82	6/6/2006	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-10-82	6/6/2006	Metals	Vanadium	mg/l	0.032	0.049		J

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-10-82	6/6/2006	Metals	Zinc	mg/l	0.54	5		J
AA-P-10-82	6/6/2006	Other	Ammonia	mg/l	0.73			
AA-P-10-102	6/7/2006	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-10-102	6/7/2006	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-10-102	6/7/2006	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-10-102	6/7/2006	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-10-102	6/7/2006	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-10-102	6/7/2006	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-10-102	6/7/2006	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-10-102	6/7/2006	VOCs	2-Butanone (MEK)	ug/L	2		J	
AA-P-10-102	6/7/2006	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-10-102	6/7/2006	VOCs	Acetone	ug/L	28	6300		
AA-P-10-102	6/7/2006	VOCs	Benzene	ug/L	1	5	U	
AA-P-10-102	6/7/2006	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-10-102	6/7/2006	VOCs	Bromoform	ug/L	1	1	U	
AA-P-10-102	6/7/2006	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
AA-P-10-102	6/7/2006	VOCs	Carbon Disulfide	ug/L	2	700	U	
AA-P-10-102	6/7/2006	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-10-102	6/7/2006	VOCs	Chlorobenzene	ug/L	120	100		
AA-P-10-102	6/7/2006	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-10-102	6/7/2006	VOCs	Chloroethane	ug/L	1		U	
AA-P-10-102	6/7/2006	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-10-102	6/7/2006	VOCs	Chloromethane	ug/L	1		U	UJ
AA-P-10-102	6/7/2006	VOCs	cis-1,2-Dichloroethene	ug/L	1	70	U	
AA-P-10-102	6/7/2006	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-10-102	6/7/2006	VOCs	Dichloromethane	ug/L	5	5	U	
AA-P-10-102	6/7/2006	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-10-102	6/7/2006	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-P-10-102	6/7/2006	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-10-102	6/7/2006	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-10-102	6/7/2006	VOCs	Toluene	ug/L	1	1000	U	
AA-P-10-102	6/7/2006	VOCs	trans-1,2-Dichloroethene	ug/L	1	100	U	
AA-P-10-102	6/7/2006	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-10-102	6/7/2006	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-10-102	6/7/2006	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-10-102	6/7/2006	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-10-102	6/7/2006	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	
AA-P-10-102	6/7/2006	SVOCs	1,2-Dichlorobenzene	ug/L	9.4	600	U	
AA-P-10-102	6/7/2006	SVOCs	1,3-Dichlorobenzene	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	1,4-Dichlorobenzene	ug/L	9.4	75	U	
AA-P-10-102	6/7/2006	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	
AA-P-10-102	6/7/2006	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	
AA-P-10-102	6/7/2006	SVOCs	2,4-Dichlorophenol	ug/L	9.4	21	U	
AA-P-10-102	6/7/2006	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	
AA-P-10-102	6/7/2006	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-P-10-102	6/7/2006	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	
AA-P-10-102	6/7/2006	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	
AA-P-10-102	6/7/2006	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	2-Chlorophenol	ug/L	0.75	35	J	
AA-P-10-102	6/7/2006	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	
AA-P-10-102	6/7/2006	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-P-10-102	6/7/2006	SVOCs	2-Nitrophenol	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-10-102	6/7/2006	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-P-10-102	6/7/2006	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-10-102	6/7/2006	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-P-10-102	6/7/2006	SVOCs	Acenaphthene	ug/L	9.4	420	U	
AA-P-10-102	6/7/2006	SVOCs	Acenaphthylene	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	Anthracene	ug/L	9.4	2100	U	
AA-P-10-102	6/7/2006	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	
AA-P-10-102	6/7/2006	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	
AA-P-10-102	6/7/2006	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	
AA-P-10-102	6/7/2006	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	
AA-P-10-102	6/7/2006	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	
AA-P-10-102	6/7/2006	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	
AA-P-10-102	6/7/2006	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	6	U	
AA-P-10-102	6/7/2006	SVOCs	Carbazole	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	Chrysene	ug/L	9.4	1.5	U	
AA-P-10-102	6/7/2006	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	
AA-P-10-102	6/7/2006	SVOCs	Dibenzofuran	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	Diethyl Phthalate	ug/L	9.4	5600	U	
AA-P-10-102	6/7/2006	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	
AA-P-10-102	6/7/2006	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	
AA-P-10-102	6/7/2006	SVOCs	Dinoseb	ug/L	9.4	7	U	
AA-P-10-102	6/7/2006	SVOCs	Fluoranthene	ug/L	9.4	280	U	
AA-P-10-102	6/7/2006	SVOCs	Fluorene	ug/L	9.4	280	U	
AA-P-10-102	6/7/2006	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	
AA-P-10-102	6/7/2006	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	
AA-P-10-102	6/7/2006	SVOCs	Hexachloroethane	ug/L	9.4	7	U	
AA-P-10-102	6/7/2006	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	
AA-P-10-102	6/7/2006	SVOCs	Isophorone	ug/L	9.4	1400	U	
AA-P-10-102	6/7/2006	SVOCs	Naphthalene	ug/L	9.4	140	U	
AA-P-10-102	6/7/2006	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	
AA-P-10-102	6/7/2006	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	
AA-P-10-102	6/7/2006	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	
AA-P-10-102	6/7/2006	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-10-102	6/7/2006	SVOCs	Phenanthrene	ug/L	9.4		U	
AA-P-10-102	6/7/2006	SVOCs	Phenol	ug/L	9.4	100	U	
AA-P-10-102	6/7/2006	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-P-10-102	6/7/2006	SVOCs	Pyrene	ug/L	9.4	210	U	
AA-P-10-102	6/7/2006	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-P-10-102	6/7/2006	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-P-10-102	6/7/2006	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-P-10-102	6/7/2006	Herbicides	2,4-DB	ug/L	0.48		U	
AA-P-10-102	6/7/2006	Herbicides	Dalapon	ug/L	9.5	200	U	
AA-P-10-102	6/7/2006	Herbicides	Dicamba	ug/L	0.48		U	
AA-P-10-102	6/7/2006	Herbicides	Dichlorprop	ug/L	0.48		U	
AA-P-10-102	6/7/2006	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	110		U	
AA-P-10-102	6/7/2006	Herbicides	MCPP	ug/L	110		U	
AA-P-10-102	6/7/2006	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-P-10-102	6/7/2006	Metals	Aluminum	mg/l	6.3			
AA-P-10-102	6/7/2006	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-10-102	6/7/2006	Metals	Arsenic	mg/l	0.0066	0.05	J	
AA-P-10-102	6/7/2006	Metals	Barium	mg/l	0.24	2		J
AA-P-10-102	6/7/2006	Metals	Beryllium	mg/l	0.00048	0.004	J	U
AA-P-10-102	6/7/2006	Metals	Cadmium	mg/l	0.005	0.005	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-10-102	6/7/2006	Metals	Calcium	mg/l	310			
AA-P-10-102	6/7/2006	Metals	Chromium	mg/l	0.056	0.1		J
AA-P-10-102	6/7/2006	Metals	Cobalt	mg/l	0.012	1		
AA-P-10-102	6/7/2006	Metals	Copper	mg/l	0.031	0.65		
AA-P-10-102	6/7/2006	Metals	Iron	mg/l	75	5		
AA-P-10-102	6/7/2006	Metals	Lead	mg/l	0.018	0.0075		
AA-P-10-102	6/7/2006	Metals	Magnesium	mg/l	76			
AA-P-10-102	6/7/2006	Metals	Manganese	mg/l	4.3	0.15		J
AA-P-10-102	6/7/2006	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-10-102	6/7/2006	Metals	Nickel	mg/l	0.036	0.1	J	
AA-P-10-102	6/7/2006	Metals	Potassium	mg/l	24		B	
AA-P-10-102	6/7/2006	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-10-102	6/7/2006	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-10-102	6/7/2006	Metals	Sodium	mg/l	260			
AA-P-10-102	6/7/2006	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-10-102	6/7/2006	Metals	Vanadium	mg/l	0.02	0.049		J
AA-P-10-102	6/7/2006	Metals	Zinc	mg/l	0.38	5		J
AA-P-10-102	6/7/2006	Other	Ammonia	mg/l	0.68			
AA-P-10-102-D	6/7/2006	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-10-102-D	6/7/2006	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-10-102-D	6/7/2006	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-10-102-D	6/7/2006	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-10-102-D	6/7/2006	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-10-102-D	6/7/2006	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-10-102-D	6/7/2006	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-10-102-D	6/7/2006	VOCs	2-Butanone (MEK)	ug/L	2.3		J	
AA-P-10-102-D	6/7/2006	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-10-102-D	6/7/2006	VOCs	Acetone	ug/L	21	6300	J	
AA-P-10-102-D	6/7/2006	VOCs	Benzene	ug/L	1	5	U	
AA-P-10-102-D	6/7/2006	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-10-102-D	6/7/2006	VOCs	Bromoform	ug/L	1	1	U	
AA-P-10-102-D	6/7/2006	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
AA-P-10-102-D	6/7/2006	VOCs	Carbon Disulfide	ug/L	2	700	U	
AA-P-10-102-D	6/7/2006	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-10-102-D	6/7/2006	VOCs	Chlorobenzene	ug/L	130	100		
AA-P-10-102-D	6/7/2006	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-10-102-D	6/7/2006	VOCs	Chloroethane	ug/L	1		U	
AA-P-10-102-D	6/7/2006	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-10-102-D	6/7/2006	VOCs	Chloromethane	ug/L	1		U	UJ
AA-P-10-102-D	6/7/2006	VOCs	cis-1,2-Dichloroethene	ug/L	0.62	70	J	
AA-P-10-102-D	6/7/2006	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-10-102-D	6/7/2006	VOCs	Dichloromethane	ug/L	5	5	U	
AA-P-10-102-D	6/7/2006	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-10-102-D	6/7/2006	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-P-10-102-D	6/7/2006	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-10-102-D	6/7/2006	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-10-102-D	6/7/2006	VOCs	Toluene	ug/L	1	1000	U	
AA-P-10-102-D	6/7/2006	VOCs	trans-1,2-Dichloroethene	ug/L	1	100	U	
AA-P-10-102-D	6/7/2006	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-10-102-D	6/7/2006	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-10-102-D	6/7/2006	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-10-102-D	6/7/2006	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-10-102-D	6/7/2006	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	
AA-P-10-102-D	6/7/2006	SVOCs	1,2-Dichlorobenzene	ug/L	9.4	600	U	
AA-P-10-102-D	6/7/2006	SVOCs	1,3-Dichlorobenzene	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	1,4-Dichlorobenzene	ug/L	9.4	75	U	
AA-P-10-102-D	6/7/2006	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-10-102-D	6/7/2006	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	
AA-P-10-102-D	6/7/2006	SVOCs	2,4-Dichlorophenol	ug/L	9.4	21	U	
AA-P-10-102-D	6/7/2006	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	
AA-P-10-102-D	6/7/2006	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-P-10-102-D	6/7/2006	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	
AA-P-10-102-D	6/7/2006	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	
AA-P-10-102-D	6/7/2006	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	2-Chlorophenol	ug/L	0.88	35	J	
AA-P-10-102-D	6/7/2006	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	
AA-P-10-102-D	6/7/2006	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-P-10-102-D	6/7/2006	SVOCs	2-Nitrophenol	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-10-102-D	6/7/2006	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-P-10-102-D	6/7/2006	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
AA-P-10-102-D	6/7/2006	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-P-10-102-D	6/7/2006	SVOCs	Acenaphthene	ug/L	9.4	420	U	
AA-P-10-102-D	6/7/2006	SVOCs	Acenaphthylene	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	Anthracene	ug/L	9.4	2100	U	
AA-P-10-102-D	6/7/2006	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	
AA-P-10-102-D	6/7/2006	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	
AA-P-10-102-D	6/7/2006	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	
AA-P-10-102-D	6/7/2006	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	
AA-P-10-102-D	6/7/2006	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	
AA-P-10-102-D	6/7/2006	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	
AA-P-10-102-D	6/7/2006	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	6	U	
AA-P-10-102-D	6/7/2006	SVOCs	Carbazole	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	Chrysene	ug/L	9.4	1.5	U	
AA-P-10-102-D	6/7/2006	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	
AA-P-10-102-D	6/7/2006	SVOCs	Dibenzofuran	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	Diethyl Phthalate	ug/L	9.4	5600	U	
AA-P-10-102-D	6/7/2006	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	
AA-P-10-102-D	6/7/2006	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	
AA-P-10-102-D	6/7/2006	SVOCs	Dinoseb	ug/L	9.4	7	U	
AA-P-10-102-D	6/7/2006	SVOCs	Fluoranthene	ug/L	9.4	280	U	
AA-P-10-102-D	6/7/2006	SVOCs	Fluorene	ug/L	9.4	280	U	
AA-P-10-102-D	6/7/2006	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	
AA-P-10-102-D	6/7/2006	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	
AA-P-10-102-D	6/7/2006	SVOCs	Hexachloroethane	ug/L	9.4	7	U	
AA-P-10-102-D	6/7/2006	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	
AA-P-10-102-D	6/7/2006	SVOCs	Isophorone	ug/L	9.4	1400	U	
AA-P-10-102-D	6/7/2006	SVOCs	Naphthalene	ug/L	9.4	140	U	
AA-P-10-102-D	6/7/2006	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	
AA-P-10-102-D	6/7/2006	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	
AA-P-10-102-D	6/7/2006	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	
AA-P-10-102-D	6/7/2006	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-10-102-D	6/7/2006	SVOCs	Phenanthrene	ug/L	9.4		U	
AA-P-10-102-D	6/7/2006	SVOCs	Phenol	ug/L	9.4	100	U	
AA-P-10-102-D	6/7/2006	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-P-10-102-D	6/7/2006	SVOCs	Pyrene	ug/L	9.4	210	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-10-102-D	6/7/2006	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-P-10-102-D	6/7/2006	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-P-10-102-D	6/7/2006	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-P-10-102-D	6/7/2006	Herbicides	2,4-DB	ug/L	0.48		U	
AA-P-10-102-D	6/7/2006	Herbicides	Dalapon	ug/L	9.5	200	U	
AA-P-10-102-D	6/7/2006	Herbicides	Dicamba	ug/L	0.48		U	
AA-P-10-102-D	6/7/2006	Herbicides	Dichlorprop	ug/L	0.48		U	
AA-P-10-102-D	6/7/2006	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	110		U	
AA-P-10-102-D	6/7/2006	Herbicides	MCPP	ug/L	110		U	
AA-P-10-102-D	6/7/2006	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-P-10-102-D	6/7/2006	Metals	Aluminum	mg/l	4.6			
AA-P-10-102-D	6/7/2006	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-10-102-D	6/7/2006	Metals	Arsenic	mg/l	0.0053	0.05	J	
AA-P-10-102-D	6/7/2006	Metals	Barium	mg/l	0.18	2		J
AA-P-10-102-D	6/7/2006	Metals	Beryllium	mg/l	0.00039	0.004	J	U
AA-P-10-102-D	6/7/2006	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-P-10-102-D	6/7/2006	Metals	Calcium	mg/l	310			
AA-P-10-102-D	6/7/2006	Metals	Chromium	mg/l	0.048	0.1		J
AA-P-10-102-D	6/7/2006	Metals	Cobalt	mg/l	0.0085	1	J	
AA-P-10-102-D	6/7/2006	Metals	Copper	mg/l	0.024	0.65		
AA-P-10-102-D	6/7/2006	Metals	Iron	mg/l	71	5		
AA-P-10-102-D	6/7/2006	Metals	Lead	mg/l	0.012	0.0075		
AA-P-10-102-D	6/7/2006	Metals	Magnesium	mg/l	76			
AA-P-10-102-D	6/7/2006	Metals	Manganese	mg/l	3.6	0.15		J
AA-P-10-102-D	6/7/2006	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-10-102-D	6/7/2006	Metals	Nickel	mg/l	0.028	0.1	J	
AA-P-10-102-D	6/7/2006	Metals	Potassium	mg/l	24		B	
AA-P-10-102-D	6/7/2006	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-10-102-D	6/7/2006	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-10-102-D	6/7/2006	Metals	Sodium	mg/l	260			
AA-P-10-102-D	6/7/2006	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-10-102-D	6/7/2006	Metals	Vanadium	mg/l	0.014	0.049		J
AA-P-10-102-D	6/7/2006	Metals	Zinc	mg/l	0.46	5		J
AA-P-10-102-D	6/7/2006	Other	Ammonia	mg/l	0.54			
AA-P-10-118.5	6/7/2006	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-P-10-118.5	6/7/2006	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-P-10-118.5	6/7/2006	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-P-10-118.5	6/7/2006	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-P-10-118.5	6/7/2006	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-P-10-118.5	6/7/2006	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-P-10-118.5	6/7/2006	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-P-10-118.5	6/7/2006	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-P-10-118.5	6/7/2006	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-P-10-118.5	6/7/2006	VOCs	Acetone	ug/L	16	6300	J	
AA-P-10-118.5	6/7/2006	VOCs	Benzene	ug/L	1	5	U	
AA-P-10-118.5	6/7/2006	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-P-10-118.5	6/7/2006	VOCs	Bromoform	ug/L	1	1	U	
AA-P-10-118.5	6/7/2006	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
AA-P-10-118.5	6/7/2006	VOCs	Carbon Disulfide	ug/L	2	700	U	
AA-P-10-118.5	6/7/2006	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-P-10-118.5	6/7/2006	VOCs	Chlorobenzene	ug/L	280	100	D	
AA-P-10-118.5	6/7/2006	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-P-10-118.5	6/7/2006	VOCs	Chloroethane	ug/L	1		U	
AA-P-10-118.5	6/7/2006	VOCs	Chloroform	ug/L	1	0.2	U	
AA-P-10-118.5	6/7/2006	VOCs	Chloromethane	ug/L	1		U	UJ
AA-P-10-118.5	6/7/2006	VOCs	cis-1,2-Dichloroethene	ug/L	0.89	70	J	
AA-P-10-118.5	6/7/2006	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-P-10-118.5	6/7/2006	VOCs	Dichloromethane	ug/L	5	5	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-10-118.5	6/7/2006	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-P-10-118.5	6/7/2006	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-P-10-118.5	6/7/2006	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-P-10-118.5	6/7/2006	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-P-10-118.5	6/7/2006	VOCs	Toluene	ug/L	1	1000	U	
AA-P-10-118.5	6/7/2006	VOCs	trans-1,2-Dichloroethene	ug/L	1	100	U	
AA-P-10-118.5	6/7/2006	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-P-10-118.5	6/7/2006	VOCs	Trichloroethene	ug/L	1	5	U	
AA-P-10-118.5	6/7/2006	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-P-10-118.5	6/7/2006	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-P-10-118.5	6/7/2006	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	
AA-P-10-118.5	6/7/2006	SVOCs	1,2-Dichlorobenzene	ug/L	9.4	600	U	
AA-P-10-118.5	6/7/2006	SVOCs	1,3-Dichlorobenzene	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	1,4-Dichlorobenzene	ug/L	3.1	75	J	
AA-P-10-118.5	6/7/2006	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	
AA-P-10-118.5	6/7/2006	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	
AA-P-10-118.5	6/7/2006	SVOCs	2,4-Dichlorophenol	ug/L	9.4	21	U	
AA-P-10-118.5	6/7/2006	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	
AA-P-10-118.5	6/7/2006	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-P-10-118.5	6/7/2006	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	
AA-P-10-118.5	6/7/2006	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	
AA-P-10-118.5	6/7/2006	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	2-Chlorophenol	ug/L	1.9	35	J	
AA-P-10-118.5	6/7/2006	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	
AA-P-10-118.5	6/7/2006	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-P-10-118.5	6/7/2006	SVOCs	2-Nitrophenol	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-P-10-118.5	6/7/2006	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-P-10-118.5	6/7/2006	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
AA-P-10-118.5	6/7/2006	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-P-10-118.5	6/7/2006	SVOCs	Acenaphthene	ug/L	9.4	420	U	
AA-P-10-118.5	6/7/2006	SVOCs	Acenaphthylene	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	Anthracene	ug/L	9.4	2100	U	
AA-P-10-118.5	6/7/2006	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	
AA-P-10-118.5	6/7/2006	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	
AA-P-10-118.5	6/7/2006	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	
AA-P-10-118.5	6/7/2006	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	
AA-P-10-118.5	6/7/2006	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	
AA-P-10-118.5	6/7/2006	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	
AA-P-10-118.5	6/7/2006	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	6	U	
AA-P-10-118.5	6/7/2006	SVOCs	Carbazole	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	Chrysene	ug/L	9.4	1.5	U	
AA-P-10-118.5	6/7/2006	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	
AA-P-10-118.5	6/7/2006	SVOCs	Dibenzofuran	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	Diethyl Phthalate	ug/L	9.4	5600	U	
AA-P-10-118.5	6/7/2006	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	
AA-P-10-118.5	6/7/2006	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	
AA-P-10-118.5	6/7/2006	SVOCs	Dinoseb	ug/L	9.4	7	U	
AA-P-10-118.5	6/7/2006	SVOCs	Fluoranthene	ug/L	9.4	280	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-P-10-118.5	6/7/2006	SVOCs	Fluorene	ug/L	9.4	280	U	
AA-P-10-118.5	6/7/2006	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	
AA-P-10-118.5	6/7/2006	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	
AA-P-10-118.5	6/7/2006	SVOCs	Hexachloroethane	ug/L	9.4	7	U	
AA-P-10-118.5	6/7/2006	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	
AA-P-10-118.5	6/7/2006	SVOCs	Isophorone	ug/L	9.4	1400	U	
AA-P-10-118.5	6/7/2006	SVOCs	Naphthalene	ug/L	0.73	140	J	
AA-P-10-118.5	6/7/2006	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	
AA-P-10-118.5	6/7/2006	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	
AA-P-10-118.5	6/7/2006	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	
AA-P-10-118.5	6/7/2006	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-P-10-118.5	6/7/2006	SVOCs	Phenanthrene	ug/L	9.4		U	
AA-P-10-118.5	6/7/2006	SVOCs	Phenol	ug/L	9.4	100	U	
AA-P-10-118.5	6/7/2006	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-P-10-118.5	6/7/2006	SVOCs	Pyrene	ug/L	9.4	210	U	
AA-P-10-118.5	6/7/2006	Herbicides	2,4,5-T	ug/L	0.48		U	
AA-P-10-118.5	6/7/2006	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
AA-P-10-118.5	6/7/2006	Herbicides	2,4-D	ug/L	0.48	70	U	
AA-P-10-118.5	6/7/2006	Herbicides	2,4-DB	ug/L	0.48		U	
AA-P-10-118.5	6/7/2006	Herbicides	Dalapon	ug/L	9.5	200	U	
AA-P-10-118.5	6/7/2006	Herbicides	Dicamba	ug/L	0.48		U	
AA-P-10-118.5	6/7/2006	Herbicides	Dichlorprop	ug/L	0.48		U	
AA-P-10-118.5	6/7/2006	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	110		U	
AA-P-10-118.5	6/7/2006	Herbicides	MCPP	ug/L	110		U	
AA-P-10-118.5	6/7/2006	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-P-10-118.5	6/7/2006	Metals	Aluminum	mg/l	11			
AA-P-10-118.5	6/7/2006	Metals	Antimony	mg/l	0.02	0.006	U	
AA-P-10-118.5	6/7/2006	Metals	Arsenic	mg/l	0.011	0.05		
AA-P-10-118.5	6/7/2006	Metals	Barium	mg/l	0.38	2		J
AA-P-10-118.5	6/7/2006	Metals	Beryllium	mg/l	0.00049	0.004	J	U
AA-P-10-118.5	6/7/2006	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-P-10-118.5	6/7/2006	Metals	Calcium	mg/l	450			
AA-P-10-118.5	6/7/2006	Metals	Chromium	mg/l	0.25	0.1		J
AA-P-10-118.5	6/7/2006	Metals	Cobalt	mg/l	0.0095	1	J	
AA-P-10-118.5	6/7/2006	Metals	Copper	mg/l	0.085	0.65		
AA-P-10-118.5	6/7/2006	Metals	Iron	mg/l	150	5		
AA-P-10-118.5	6/7/2006	Metals	Lead	mg/l	0.011	0.0075		
AA-P-10-118.5	6/7/2006	Metals	Magnesium	mg/l	120			
AA-P-10-118.5	6/7/2006	Metals	Manganese	mg/l	9.7	0.15		J
AA-P-10-118.5	6/7/2006	Metals	Mercury	mg/l	0.0002	2	U	
AA-P-10-118.5	6/7/2006	Metals	Nickel	mg/l	0.075	0.1		
AA-P-10-118.5	6/7/2006	Metals	Potassium	mg/l	31		B	
AA-P-10-118.5	6/7/2006	Metals	Selenium	mg/l	0.01	0.05	U	
AA-P-10-118.5	6/7/2006	Metals	Silver	mg/l	0.01	0.05	U	
AA-P-10-118.5	6/7/2006	Metals	Sodium	mg/l	300			
AA-P-10-118.5	6/7/2006	Metals	Thallium	mg/l	0.025	0.002	U	
AA-P-10-118.5	6/7/2006	Metals	Vanadium	mg/l	0.015	0.049		J
AA-P-10-118.5	6/7/2006	Metals	Zinc	mg/l	3.1	5		J
AA-P-10-118.5	6/7/2006	Other	Ammonia	mg/l	0.46			
PS10-0606	6/23/2006	VOCs	1,1,1,2-Tetrachloroethane	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
PS10-0606	6/23/2006	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
PS10-0606	6/23/2006	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
PS10-0606	6/23/2006	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
PS10-0606	6/23/2006	VOCs	1,2,3-Trichloropropane	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	1,2-Dibromo-3-Chloropropane	ug/L	1	0.2	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
PS10-0606	6/23/2006	VOCs	1,2-Dichlorobenzene	ug/L	1	600	U	
PS10-0606	6/23/2006	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
PS10-0606	6/23/2006	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
PS10-0606	6/23/2006	VOCs	1,3-Dichlorobenzene	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	1,4-Dichlorobenzene	ug/L	1	75	U	
PS10-0606	6/23/2006	VOCs	2-Butanone (MEK)	ug/L	10		U	
PS10-0606	6/23/2006	VOCs	2-Chloro-1,3-butadiene	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	3-Chloro-1-propene	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
PS10-0606	6/23/2006	VOCs	Acetone	ug/L	25	6300	U	
PS10-0606	6/23/2006	VOCs	Acetonitrile	ug/L	40		U	
PS10-0606	6/23/2006	VOCs	Acrolein	ug/L	20		U	
PS10-0606	6/23/2006	VOCs	Acrylonitrile	ug/L	20		U	
PS10-0606	6/23/2006	VOCs	Benzene	ug/L	1	5	U	
PS10-0606	6/23/2006	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
PS10-0606	6/23/2006	VOCs	Bromoform	ug/L	1	1	U	
PS10-0606	6/23/2006	VOCs	Bromomethane	ug/L	1	9.8	U	
PS10-0606	6/23/2006	VOCs	Carbon Disulfide	ug/L	2	700	U	
PS10-0606	6/23/2006	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
PS10-0606	6/23/2006	VOCs	Chlorobenzene	ug/L	10	100		
PS10-0606	6/23/2006	VOCs	Chlorodibromomethane	ug/L	1	140	U	
PS10-0606	6/23/2006	VOCs	Chloroethane	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	Chloroform	ug/L	1	0.2	U	
PS10-0606	6/23/2006	VOCs	Chloromethane	ug/L	1			
PS10-0606	6/23/2006	VOCs	cis-1,2-Dichloroethene	ug/L	1	70	U	
PS10-0606	6/23/2006	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	Dibromomethane	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	Dichlorodifluoromethane	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	Dichloromethane	ug/L	5	5	U	
PS10-0606	6/23/2006	VOCs	Ethyl methacrylate	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	Ethylbenzene	ug/L	1	700	U	
PS10-0606	6/23/2006	VOCs	Ethylene Dibromide	ug/L	1	0.05	U	
PS10-0606	6/23/2006	VOCs	Iodomethane	ug/L	5		U	
PS10-0606	6/23/2006	VOCs	Isobutanol	ug/L	40		U	
PS10-0606	6/23/2006	VOCs	Methacrylonitrile	ug/L	20		U	
PS10-0606	6/23/2006	VOCs	Methyl methacrylate	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	Methyl N-Butyl Ketone (2-Hexanone)	ug/L	10		U	
PS10-0606	6/23/2006	VOCs	Pentachloroethane	ug/L	5		U	
PS10-0606	6/23/2006	VOCs	Propionitrile	ug/L	20		U	
PS10-0606	6/23/2006	VOCs	Styrene	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	Tetrachloroethene	ug/L	1	5	U	
PS10-0606	6/23/2006	VOCs	Toluene	ug/L	1	1000	U	
PS10-0606	6/23/2006	VOCs	trans-1,2-Dichloroethene	ug/L	1	100	U	
PS10-0606	6/23/2006	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	trans-1,4-Dichloro-2-butene	ug/L	2		U	
PS10-0606	6/23/2006	VOCs	Trichloroethylene	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	Trichlorofluoromethane	ug/L	1		U	
PS10-0606	6/23/2006	VOCs	Vinyl acetate	ug/L	2	7000	U	
PS10-0606	6/23/2006	VOCs	Vinyl chloride	ug/L	1	2	U	
PS10-0606	6/23/2006	VOCs	Xylenes, Total	ug/L	2	10000	U	
PS10-0606	6/23/2006	SVOCs	1,1'-Biphenyl	ug/L	9.4		U *	UJ
PS10-0606	6/23/2006	SVOCs	1,2,4,5-Tetrachlorobenzene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	
PS10-0606	6/23/2006	SVOCs	1,3,5-Trinitrobenzene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	1,3-Dinitrobenzene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	1,4-Naphthoquinone	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	1-Naphthylamine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
PS10-0606	6/23/2006	SVOCs	2,3,4,6-Tetrachlorophenol	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	
PS10-0606	6/23/2006	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	
PS10-0606	6/23/2006	SVOCs	2,4-Dichlorophenol	ug/L	9.4	21	U	
PS10-0606	6/23/2006	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	
PS10-0606	6/23/2006	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
PS10-0606	6/23/2006	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	
PS10-0606	6/23/2006	SVOCs	2,6-Dichlorophenol	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	
PS10-0606	6/23/2006	SVOCs	2-Acetylaminofluorene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	2-Chlorophenol	ug/L	9.4	35	U	
PS10-0606	6/23/2006	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	
PS10-0606	6/23/2006	SVOCs	2-Naphthylamine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	2-Nitroaniline	ug/L	47		U	
PS10-0606	6/23/2006	SVOCs	2-Nitrophenol	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	2-Toluidine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
PS10-0606	6/23/2006	SVOCs	3,3'-Dimethylbenzidine	ug/L	19		U	
PS10-0606	6/23/2006	SVOCs	3-Methylcholanthrene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	3-Nitroaniline	ug/L	47		U	
PS10-0606	6/23/2006	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
PS10-0606	6/23/2006	SVOCs	4-Aminobiphenyl	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	4-Nitrophenol	ug/L	47		U	
PS10-0606	6/23/2006	SVOCs	4-Nitroquinoline-1-oxide	ug/L	19		U	
PS10-0606	6/23/2006	SVOCs	7,12-Dimethylbenz(a)anthracene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Acenaphthene	ug/L	9.4	420	U	
PS10-0606	6/23/2006	SVOCs	Acenaphthylene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Acetophenone	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	alpha,alpha-Dimethyl phenethylamine	ug/L	1900		U	
PS10-0606	6/23/2006	SVOCs	Aniline	ug/L	19		U	
PS10-0606	6/23/2006	SVOCs	Anthracene	ug/L	9.4	2100	U	
PS10-0606	6/23/2006	SVOCs	Aramite, Total	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	
PS10-0606	6/23/2006	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	
PS10-0606	6/23/2006	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	
PS10-0606	6/23/2006	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	
PS10-0606	6/23/2006	SVOCs	Benzyl alcohol	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	
PS10-0606	6/23/2006	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	
PS10-0606	6/23/2006	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	6	U	
PS10-0606	6/23/2006	SVOCs	Chrysene	ug/L	9.4	1.5	U	
PS10-0606	6/23/2006	SVOCs	Diallate	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	
PS10-0606	6/23/2006	SVOCs	Dibenzofuran	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Diethyl Phthalate	ug/L	9.4	5600	U	
PS10-0606	6/23/2006	SVOCs	Dimethoate	ug/L	9.4		U *	
PS10-0606	6/23/2006	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	
PS10-0606	6/23/2006	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	
PS10-0606	6/23/2006	SVOCs	Disulfoton	ug/L	9.4		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
PS10-0606	6/23/2006	SVOCs	Ethyl methanesulfonate	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Ethyl Parathion	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Famphur	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Fluoranthene	ug/L	9.4	280	U	
PS10-0606	6/23/2006	SVOCs	Fluorene	ug/L	9.4	280	U	
PS10-0606	6/23/2006	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	
PS10-0606	6/23/2006	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	
PS10-0606	6/23/2006	SVOCs	Hexachloroethane	ug/L	9.4	7	U	
PS10-0606	6/23/2006	SVOCs	Hexachlorophene	ug/L	4700		U	
PS10-0606	6/23/2006	SVOCs	Hexachloropropene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	
PS10-0606	6/23/2006	SVOCs	Isophorone	ug/L	9.4	1400	U	
PS10-0606	6/23/2006	SVOCs	Isosafrole	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Methapyrilene	ug/L	1900		U	
PS10-0606	6/23/2006	SVOCs	Methyl methanesulfonate	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Methyl parathion	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Naphthalene	ug/L	9.4	140	U	
PS10-0606	6/23/2006	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	
PS10-0606	6/23/2006	SVOCs	N-Nitro-o-toluidine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	N-Nitrosodiethylamine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	N-Nitrosodimethylamine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	N-Nitrosodi-n-butylamine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	
PS10-0606	6/23/2006	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	
PS10-0606	6/23/2006	SVOCs	n-Nitrosomethylethylamine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	N-Nitrosomorpholine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	N-Nitrosopiperidine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	N-Nitrosopyrrolidine	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	o,o',o"-Triethylphosphorothioate	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	P-Chloroaniline	ug/L	19	28	U	
PS10-0606	6/23/2006	SVOCs	p-Dimethylamino azobenzene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Pentachlorobenzene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Pentachloronitrobenzene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Pentachlorophenol	ug/L	47	1	U	
PS10-0606	6/23/2006	SVOCs	Phenacetin	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Phenanthrene	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Phenol	ug/L	9.4	100	U	
PS10-0606	6/23/2006	SVOCs	Phorate	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	P-Nitroaniline	ug/L	47		U	
PS10-0606	6/23/2006	SVOCs	p-Phenylene diamine	ug/L	1900		U	
PS10-0606	6/23/2006	SVOCs	Pronamide	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Pyrene	ug/L	9.4	210	U	
PS10-0606	6/23/2006	SVOCs	Pyridine	ug/L	47		U	
PS10-0606	6/23/2006	SVOCs	Safrole, Total	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Sulfotepp	ug/L	9.4		U	
PS10-0606	6/23/2006	SVOCs	Thionazin	ug/L	9.4		U	
PS10-0606	6/23/2006	PCBs	Decachlorobiphenyl	ug/L	0.47		U	
PS10-0606	6/23/2006	PCBs	Dichlorobiphenyl	ug/L	0.094		U	
PS10-0606	6/23/2006	PCBs	Heptachlorobiphenyl	ug/L	0.28		U	
PS10-0606	6/23/2006	PCBs	Hexachlorobiphenyl	ug/L	0.19		U	
PS10-0606	6/23/2006	PCBs	Monochlorobiphenyl	ug/L	0.094		U	
PS10-0606	6/23/2006	PCBs	Nonachlorobiphenyl	ug/L	0.47		U	
PS10-0606	6/23/2006	PCBs	Octachlorobiphenyl	ug/L	0.28		U	
PS10-0606	6/23/2006	PCBs	Pentachlorobiphenyl	ug/L	0.19		U	
PS10-0606	6/23/2006	PCBs	Tetrachlorobiphenyl	ug/L	0.19		U	
PS10-0606	6/23/2006	PCBs	Trichlorobiphenyl	ug/L	0.094		U	
PS10-0606	6/23/2006	Pesticides	4,4'-DDD	ug/L	0.094	14	U	UJ

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
PS10-0606	6/23/2006	Pesticides	4,4'-DDE	ug/L	0.094	10	U	UJ
PS10-0606	6/23/2006	Pesticides	4,4'-DDT	ug/L	0.094	6	U	UJ
PS10-0606	6/23/2006	Pesticides	Aldrin	ug/L	0.047	14	U	UJ
PS10-0606	6/23/2006	Pesticides	alpha-BHC	ug/L	0.047	0.11	U	UJ
PS10-0606	6/23/2006	Pesticides	beta-BHC	ug/L	0.047		U	UJ
PS10-0606	6/23/2006	Pesticides	Chlordane	ug/L	0.47	2	U	UJ
PS10-0606	6/23/2006	Pesticides	delta-BHC	ug/L	0.047		U	UJ
PS10-0606	6/23/2006	Pesticides	Dieldrin	ug/L	0.094	9	U	UJ
PS10-0606	6/23/2006	Pesticides	Endosulfan I	ug/L	0.047	42	U	UJ
PS10-0606	6/23/2006	Pesticides	Endosulfan II	ug/L	0.094	42	U	UJ
PS10-0606	6/23/2006	Pesticides	Endosulfan Sulfate	ug/L	0.094		U	UJ
PS10-0606	6/23/2006	Pesticides	Endrin	ug/L	0.094	2	U	UJ
PS10-0606	6/23/2006	Pesticides	Endrin Aldehyde	ug/L	0.094		U	UJ
PS10-0606	6/23/2006	Pesticides	Endrin Ketone	ug/L	0.094		U	UJ
PS10-0606	6/23/2006	Pesticides	gamma-BHC (Lindane)	ug/L	0.047	0.2	U	UJ
PS10-0606	6/23/2006	Pesticides	Heptachlor	ug/L	0.047	0.4	U	UJ
PS10-0606	6/23/2006	Pesticides	Heptachlor Epoxide	ug/L	0.047	0.2	U	UJ
PS10-0606	6/23/2006	Pesticides	Isodrin	ug/L	0.047		U	UJ
PS10-0606	6/23/2006	Pesticides	Kepone	ug/L	0.94		U	UJ
PS10-0606	6/23/2006	Pesticides	Methoxychlor	ug/L	0.47	40	U	UJ
PS10-0606	6/23/2006	Pesticides	Toxaphene	ug/L	4.7	3	U	UJ
PS10-0606	6/23/2006	Herbicides	2,4,5-T	ug/L	0.48		U	
PS10-0606	6/23/2006	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
PS10-0606	6/23/2006	Herbicides	2,4-D	ug/L	0.48	70	U	
PS10-0606	6/23/2006	Herbicides	Dinoseb	ug/L	5.7	7	U	
PS10-0606	6/23/2006	Metals	Antimony	mg/l	0.02	0.006	U	
PS10-0606	6/23/2006	Metals	Arsenic	mg/l	0.01	0.05	U	
PS10-0606	6/23/2006	Metals	Barium	mg/l	0.081	2		
PS10-0606	6/23/2006	Metals	Beryllium	mg/l	0.004	0.004	U	
PS10-0606	6/23/2006	Metals	Cadmium	mg/l	0.005	0.005	U	
PS10-0606	6/23/2006	Metals	Chromium	mg/l	0.01	0.1	U	
PS10-0606	6/23/2006	Metals	Cobalt	mg/l	0.01	1	U	
PS10-0606	6/23/2006	Metals	Copper	mg/l	0.02	0.65	U	
PS10-0606	6/23/2006	Metals	Lead	mg/l	0.005	0.0075	U	
PS10-0606	6/23/2006	Metals	Mercury	mg/l	0.0002	2	U	
PS10-0606	6/23/2006	Metals	Nickel	mg/l	0.04	0.1	U	
PS10-0606	6/23/2006	Metals	Selenium	mg/l	0.01	0.05	U	
PS10-0606	6/23/2006	Metals	Silver	mg/l	0.01	0.05	U	
PS10-0606	6/23/2006	Metals	Thallium	mg/l	0.025	0.002	U	
PS10-0606	6/23/2006	Metals	Tin	mg/l	0.05		U	
PS10-0606	6/23/2006	Metals	Vanadium	mg/l	0.01	0.049	U	
PS10-0606	6/23/2006	Metals	Zinc	mg/l	0.02	5	U	
PS14D-0606	6/23/2006	VOCs	1,1,1,2-Tetrachloroethane	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
PS14D-0606	6/23/2006	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
PS14D-0606	6/23/2006	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
PS14D-0606	6/23/2006	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
PS14D-0606	6/23/2006	VOCs	1,2,3-Trichloropropane	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	1,2-Dibromo-3-Chloropropane	ug/L	1	0.2	U	
PS14D-0606	6/23/2006	VOCs	1,2-Dichlorobenzene	ug/L	1	600	U	
PS14D-0606	6/23/2006	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
PS14D-0606	6/23/2006	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
PS14D-0606	6/23/2006	VOCs	1,3-Dichlorobenzene	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	1,4-Dichlorobenzene	ug/L	1	75	U	
PS14D-0606	6/23/2006	VOCs	2-Butanone (MEK)	ug/L	10		U	
PS14D-0606	6/23/2006	VOCs	2-Chloro-1,3-butadiene	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	3-Chloro-1-propene	ug/L	1		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
PS14D-0606	6/23/2006	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
PS14D-0606	6/23/2006	VOCs	Acetone	ug/L	25	6300	U	
PS14D-0606	6/23/2006	VOCs	Acetonitrile	ug/L	40		U	
PS14D-0606	6/23/2006	VOCs	Acrolein	ug/L	20		U	
PS14D-0606	6/23/2006	VOCs	Acrylonitrile	ug/L	20		U	
PS14D-0606	6/23/2006	VOCs	Benzene	ug/L	1	5	U	
PS14D-0606	6/23/2006	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
PS14D-0606	6/23/2006	VOCs	Bromoform	ug/L	1	1	U	
PS14D-0606	6/23/2006	VOCs	Bromomethane	ug/L	1	9.8	U	
PS14D-0606	6/23/2006	VOCs	Carbon Disulfide	ug/L	2	700	U	
PS14D-0606	6/23/2006	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
PS14D-0606	6/23/2006	VOCs	Chlorobenzene	ug/L	1200	100	D	
PS14D-0606	6/23/2006	VOCs	Chlorodibromomethane	ug/L	1	140	U	
PS14D-0606	6/23/2006	VOCs	Chloroethane	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	Chloroform	ug/L	1	0.2	U	
PS14D-0606	6/23/2006	VOCs	Chloromethane	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	cis-1,2-Dichloroethene	ug/L	1.2	70		
PS14D-0606	6/23/2006	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	Dibromomethane	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	Dichlorodifluoromethane	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	Dichloromethane	ug/L	5	5	U	
PS14D-0606	6/23/2006	VOCs	Ethyl methacrylate	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	Ethylbenzene	ug/L	1	700	U	
PS14D-0606	6/23/2006	VOCs	Ethylene Dibromide	ug/L	1	0.05	U	
PS14D-0606	6/23/2006	VOCs	Iodomethane	ug/L	5		U	
PS14D-0606	6/23/2006	VOCs	Isobutanol	ug/L	40		U	
PS14D-0606	6/23/2006	VOCs	Methacrylonitrile	ug/L	20		U	
PS14D-0606	6/23/2006	VOCs	Methyl methacrylate	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	Methyl N-Butyl Ketone (2-Hexanone)	ug/L	10		U	
PS14D-0606	6/23/2006	VOCs	Pentachloroethane	ug/L	5		U	
PS14D-0606	6/23/2006	VOCs	Propionitrile	ug/L	20		U	
PS14D-0606	6/23/2006	VOCs	Styrene	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	Tetrachloroethene	ug/L	1	5	U	
PS14D-0606	6/23/2006	VOCs	Toluene	ug/L	1	1000	U	
PS14D-0606	6/23/2006	VOCs	trans-1,2-Dichloroethene	ug/L	1	100	U	
PS14D-0606	6/23/2006	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	trans-1,4-Dichloro-2-butene	ug/L	2		U	
PS14D-0606	6/23/2006	VOCs	Trichloroethylene	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	Trichlorofluoromethane	ug/L	1		U	
PS14D-0606	6/23/2006	VOCs	Vinyl acetate	ug/L	2	7000	U	
PS14D-0606	6/23/2006	VOCs	Vinyl chloride	ug/L	1	2	U	
PS14D-0606	6/23/2006	VOCs	Xylenes, Total	ug/L	2	10000	U	
PS14D-0606	6/23/2006	SVOCs	1,1'-Biphenyl	ug/L	9.4		U *	UJ
PS14D-0606	6/23/2006	SVOCs	1,2,4,5-Tetrachlorobenzene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	
PS14D-0606	6/23/2006	SVOCs	1,3,5-Trinitrobenzene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	1,3-Dinitrobenzene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	1,4-Naphthoquinone	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	1-Naphthylamine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	2,3,4,6-Tetrachlorophenol	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	
PS14D-0606	6/23/2006	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	
PS14D-0606	6/23/2006	SVOCs	2,4-Dichlorophenol	ug/L	9.4	21	U	
PS14D-0606	6/23/2006	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	
PS14D-0606	6/23/2006	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
PS14D-0606	6/23/2006	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	
PS14D-0606	6/23/2006	SVOCs	2,6-Dichlorophenol	ug/L	9.4		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
PS14D-0606	6/23/2006	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	
PS14D-0606	6/23/2006	SVOCs	2-Acetylaminofluorene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	2-Chlorophenol	ug/L	9.4	35	U	
PS14D-0606	6/23/2006	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	
PS14D-0606	6/23/2006	SVOCs	2-Naphthylamine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	2-Nitroaniline	ug/L	47		U	
PS14D-0606	6/23/2006	SVOCs	2-Nitrophenol	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	2-Toluidine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
PS14D-0606	6/23/2006	SVOCs	3,3'-Dimethylbenzidine	ug/L	19		U	
PS14D-0606	6/23/2006	SVOCs	3-Methylcholanthrene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	3-Nitroaniline	ug/L	47		U	
PS14D-0606	6/23/2006	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
PS14D-0606	6/23/2006	SVOCs	4-Aminobiphenyl	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	4-Nitrophenol	ug/L	47		U	
PS14D-0606	6/23/2006	SVOCs	4-Nitroquinoline-1-oxide	ug/L	19		U	
PS14D-0606	6/23/2006	SVOCs	7,12-Dimethylbenz(a)anthracene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Acenaphthene	ug/L	9.4	420	U	
PS14D-0606	6/23/2006	SVOCs	Acenaphthylene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Acetophenone	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	alpha,alpha-Dimethyl phenethylamine	ug/L	1900		U	
PS14D-0606	6/23/2006	SVOCs	Aniline	ug/L	19		U	
PS14D-0606	6/23/2006	SVOCs	Anthracene	ug/L	9.4	2100	U	
PS14D-0606	6/23/2006	SVOCs	Aramite, Total	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	
PS14D-0606	6/23/2006	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	
PS14D-0606	6/23/2006	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	
PS14D-0606	6/23/2006	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	
PS14D-0606	6/23/2006	SVOCs	Benzyl alcohol	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	
PS14D-0606	6/23/2006	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	
PS14D-0606	6/23/2006	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	6	U	
PS14D-0606	6/23/2006	SVOCs	Chrysene	ug/L	9.4	1.5	U	
PS14D-0606	6/23/2006	SVOCs	Diallate	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	
PS14D-0606	6/23/2006	SVOCs	Dibenzofuran	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Diethyl Phthalate	ug/L	9.4	5600	U	
PS14D-0606	6/23/2006	SVOCs	Dimethoate	ug/L	9.4		U *	
PS14D-0606	6/23/2006	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	
PS14D-0606	6/23/2006	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	
PS14D-0606	6/23/2006	SVOCs	Disulfoton	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Ethyl methanesulfonate	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Ethyl Parathion	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Famphur	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Fluoranthene	ug/L	9.4	280	U	
PS14D-0606	6/23/2006	SVOCs	Fluorene	ug/L	9.4	280	U	
PS14D-0606	6/23/2006	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	
PS14D-0606	6/23/2006	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
PS14D-0606	6/23/2006	SVOCs	Hexachloroethane	ug/L	9.4	7	U	
PS14D-0606	6/23/2006	SVOCs	Hexachlorophene	ug/L	4700		U	
PS14D-0606	6/23/2006	SVOCs	Hexachloropropene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	
PS14D-0606	6/23/2006	SVOCs	Isophorone	ug/L	9.4	1400	U	
PS14D-0606	6/23/2006	SVOCs	Isosafrole	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Methapyrilene	ug/L	1900		U	
PS14D-0606	6/23/2006	SVOCs	Methyl methanesulfonate	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Methyl parathion	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Naphthalene	ug/L	9.4	140	U	
PS14D-0606	6/23/2006	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	
PS14D-0606	6/23/2006	SVOCs	N-Nitro-o-toluidine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	N-Nitrosodiethylamine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	N-Nitrosodimethylamine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	N-Nitrosodi-n-butylamine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	
PS14D-0606	6/23/2006	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	
PS14D-0606	6/23/2006	SVOCs	n-Nitrosomethylethylamine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	N-Nitrosomorpholine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	N-Nitrosopiperidine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	N-Nitrosopyrrolidine	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	o,o',o"-Triethylphosphorothioate	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	P-Chloroaniline	ug/L	19	28	U	
PS14D-0606	6/23/2006	SVOCs	p-Dimethylamino azobenzene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Pentachlorobenzene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Pentachloronitrobenzene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Pentachlorophenol	ug/L	47	1	U	
PS14D-0606	6/23/2006	SVOCs	Phenacetin	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Phenanthrene	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Phenol	ug/L	9.4	100	U	
PS14D-0606	6/23/2006	SVOCs	Phorate	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	P-Nitroaniline	ug/L	47		U	
PS14D-0606	6/23/2006	SVOCs	p-Phenylene diamine	ug/L	1900		U	
PS14D-0606	6/23/2006	SVOCs	Pronamide	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Pyrene	ug/L	9.4	210	U	
PS14D-0606	6/23/2006	SVOCs	Pyridine	ug/L	47		U	
PS14D-0606	6/23/2006	SVOCs	Safrole, Total	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Sulfotepp	ug/L	9.4		U	
PS14D-0606	6/23/2006	SVOCs	Thionazin	ug/L	9.4		U	
PS14D-0606	6/23/2006	PCBs	Decachlorobiphenyl	ug/L	0.47		U	
PS14D-0606	6/23/2006	PCBs	Dichlorobiphenyl	ug/L	0.094		U	
PS14D-0606	6/23/2006	PCBs	Heptachlorobiphenyl	ug/L	0.28		U	
PS14D-0606	6/23/2006	PCBs	Hexachlorobiphenyl	ug/L	0.19		U	
PS14D-0606	6/23/2006	PCBs	Monochlorobiphenyl	ug/L	0.094		U	
PS14D-0606	6/23/2006	PCBs	Nonachlorobiphenyl	ug/L	0.47		U	
PS14D-0606	6/23/2006	PCBs	Octachlorobiphenyl	ug/L	0.28		U	
PS14D-0606	6/23/2006	PCBs	Pentachlorobiphenyl	ug/L	0.19		U	
PS14D-0606	6/23/2006	PCBs	Tetrachlorobiphenyl	ug/L	0.19		U	
PS14D-0606	6/23/2006	PCBs	Trichlorobiphenyl	ug/L	0.094		U	
PS14D-0606	6/23/2006	Pesticides	4,4'-DDD	ug/L	0.094	14	U	UJ
PS14D-0606	6/23/2006	Pesticides	4,4'-DDE	ug/L	0.094	10	U	UJ
PS14D-0606	6/23/2006	Pesticides	4,4'-DDT	ug/L	0.094	6	U	UJ
PS14D-0606	6/23/2006	Pesticides	Aldrin	ug/L	0.047	14	U	UJ
PS14D-0606	6/23/2006	Pesticides	alpha-BHC	ug/L	0.047	0.11	U	UJ
PS14D-0606	6/23/2006	Pesticides	beta-BHC	ug/L	0.047		U	UJ
PS14D-0606	6/23/2006	Pesticides	Chlordane	ug/L	0.47	2	U	UJ
PS14D-0606	6/23/2006	Pesticides	delta-BHC	ug/L	0.047		U	UJ
PS14D-0606	6/23/2006	Pesticides	Dieldrin	ug/L	0.094	9	U	UJ

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
PS14D-0606	6/23/2006	Pesticides	Endosulfan I	ug/L	0.047	42	U	UJ
PS14D-0606	6/23/2006	Pesticides	Endosulfan II	ug/L	0.094	42	U	UJ
PS14D-0606	6/23/2006	Pesticides	Endosulfan Sulfate	ug/L	0.094		U	UJ
PS14D-0606	6/23/2006	Pesticides	Endrin	ug/L	0.094	2	U	UJ
PS14D-0606	6/23/2006	Pesticides	Endrin Aldehyde	ug/L	0.094		U	UJ
PS14D-0606	6/23/2006	Pesticides	Endrin Ketone	ug/L	0.094		U	UJ
PS14D-0606	6/23/2006	Pesticides	gamma-BHC (Lindane)	ug/L	0.047	0.2	U	UJ
PS14D-0606	6/23/2006	Pesticides	Heptachlor	ug/L	0.047	0.4	U	UJ
PS14D-0606	6/23/2006	Pesticides	Heptachlor Epoxide	ug/L	0.047	0.2	U	UJ
PS14D-0606	6/23/2006	Pesticides	Isodrin	ug/L	0.047		U	UJ
PS14D-0606	6/23/2006	Pesticides	Kepone	ug/L	0.94		U	UJ
PS14D-0606	6/23/2006	Pesticides	Methoxychlor	ug/L	0.47	40	U	UJ
PS14D-0606	6/23/2006	Pesticides	Toxaphene	ug/L	4.7	3	U	UJ
PS14D-0606	6/23/2006	Herbicides	2,4,5-T	ug/L	0.48		U	
PS14D-0606	6/23/2006	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
PS14D-0606	6/23/2006	Herbicides	2,4-D	ug/L	0.48	70	U	
PS14D-0606	6/23/2006	Herbicides	Dinoseb	ug/L	5.7	7	U	
PS14D-0606	6/23/2006	Metals	Antimony	mg/l	0.02	0.006	U	
PS14D-0606	6/23/2006	Metals	Arsenic	mg/l	0.01	0.05	U	
PS14D-0606	6/23/2006	Metals	Barium	mg/l	0.033	2		
PS14D-0606	6/23/2006	Metals	Beryllium	mg/l	0.004	0.004	U	
PS14D-0606	6/23/2006	Metals	Cadmium	mg/l	0.005	0.005	U	
PS14D-0606	6/23/2006	Metals	Chromium	mg/l	0.01	0.1	U	
PS14D-0606	6/23/2006	Metals	Cobalt	mg/l	0.01	1	U	
PS14D-0606	6/23/2006	Metals	Copper	mg/l	0.02	0.65	U	
PS14D-0606	6/23/2006	Metals	Lead	mg/l	0.005	0.0075	U	
PS14D-0606	6/23/2006	Metals	Mercury	mg/l	0.0002	2	U	
PS14D-0606	6/23/2006	Metals	Nickel	mg/l	0.04	0.1	U	
PS14D-0606	6/23/2006	Metals	Selenium	mg/l	0.01	0.05	U	
PS14D-0606	6/23/2006	Metals	Silver	mg/l	0.01	0.05	U	
PS14D-0606	6/23/2006	Metals	Thallium	mg/l	0.025	0.002	U	
PS14D-0606	6/23/2006	Metals	Tin	mg/l	0.05		U	
PS14D-0606	6/23/2006	Metals	Vanadium	mg/l	0.01	0.049	U	
PS14D-0606	6/23/2006	Metals	Zinc	mg/l	0.02	5	U	
SA2-MW-1-D	6/28/2006	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
SA2-MW-1-D	6/28/2006	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
SA2-MW-1-D	6/28/2006	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
SA2-MW-1-D	6/28/2006	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
SA2-MW-1-D	6/28/2006	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
SA2-MW-1-D	6/28/2006	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
SA2-MW-1-D	6/28/2006	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
SA2-MW-1-D	6/28/2006	VOCs	2-Butanone (MEK)	ug/L	10		U	UJ
SA2-MW-1-D	6/28/2006	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
SA2-MW-1-D	6/28/2006	VOCs	Acetone	ug/L	25	6300	U	UJ
SA2-MW-1-D	6/28/2006	VOCs	Benzene	ug/L	9.8	5		
SA2-MW-1-D	6/28/2006	VOCs	Benzene Isomer	ug/L	17		J	
SA2-MW-1-D	6/28/2006	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
SA2-MW-1-D	6/28/2006	VOCs	Bromoform	ug/L	1	1	U	
SA2-MW-1-D	6/28/2006	VOCs	Bromomethane	ug/L	1	9.8	U	
SA2-MW-1-D	6/28/2006	VOCs	Carbon Disulfide	ug/L	2	700	U	
SA2-MW-1-D	6/28/2006	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
SA2-MW-1-D	6/28/2006	VOCs	Chlorobenzene	ug/L	680	100	D	
SA2-MW-1-D	6/28/2006	VOCs	Chlorodibromomethane	ug/L	1	140	U	
SA2-MW-1-D	6/28/2006	VOCs	Chloroethane	ug/L	1		U	
SA2-MW-1-D	6/28/2006	VOCs	Chloroform	ug/L	1	0.2	U	
SA2-MW-1-D	6/28/2006	VOCs	Chloromethane	ug/L	1		U	
SA2-MW-1-D	6/28/2006	VOCs	cis-1,2-Dichloroethene	ug/L	1	70	U	
SA2-MW-1-D	6/28/2006	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-1-D	6/28/2006	VOCs	Dichloromethane	ug/L	5	5	U	
SA2-MW-1-D	6/28/2006	VOCs	Ethane	ug/L	6.7			
SA2-MW-1-D	6/28/2006	VOCs	Ethene	ug/L	0.33		U	
SA2-MW-1-D	6/28/2006	VOCs	Ethylbenzene	ug/L	1	700	U	
SA2-MW-1-D	6/28/2006	VOCs	Methane	ug/L	3400			
SA2-MW-1-D	6/28/2006	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
SA2-MW-1-D	6/28/2006	VOCs	Styrene (Monomer)	ug/L	1	100	U	
SA2-MW-1-D	6/28/2006	VOCs	Tetrachloroethene	ug/L	1	5	U	
SA2-MW-1-D	6/28/2006	VOCs	Toluene	ug/L	0.65	1000	J	
SA2-MW-1-D	6/28/2006	VOCs	trans-1,2-Dichloroethene	ug/L	1	100	U	
SA2-MW-1-D	6/28/2006	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
SA2-MW-1-D	6/28/2006	VOCs	Trichloroethene	ug/L	1	5	U	
SA2-MW-1-D	6/28/2006	VOCs	Vinyl chloride	ug/L	1	2	U	
SA2-MW-1-D	6/28/2006	VOCs	Xylenes, Total	ug/L	2	10000	U	
SA2-MW-1-D	6/28/2006	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	
SA2-MW-1-D	6/28/2006	SVOCs	1,2-Dichlorobenzene	ug/L	3.1	600	J	
SA2-MW-1-D	6/28/2006	SVOCs	1,3-Dichlorobenzene	ug/L	2		J	
SA2-MW-1-D	6/28/2006	SVOCs	1,4-Dichlorobenzene	ug/L	35	75		
SA2-MW-1-D	6/28/2006	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	
SA2-MW-1-D	6/28/2006	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	
SA2-MW-1-D	6/28/2006	SVOCs	2,4-Dichlorophenol	ug/L	9.4	21	U	
SA2-MW-1-D	6/28/2006	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	
SA2-MW-1-D	6/28/2006	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
SA2-MW-1-D	6/28/2006	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	
SA2-MW-1-D	6/28/2006	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	
SA2-MW-1-D	6/28/2006	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	2-Chlorophenol	ug/L	4.6	35	J	
SA2-MW-1-D	6/28/2006	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	
SA2-MW-1-D	6/28/2006	SVOCs	2-Nitroaniline	ug/L	47		U	
SA2-MW-1-D	6/28/2006	SVOCs	2-Nitrophenol	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	3-Nitroaniline	ug/L	47		U *	UJ
SA2-MW-1-D	6/28/2006	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
SA2-MW-1-D	6/28/2006	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	4-Chlorophenol	ug/L	3.8		NJ	
SA2-MW-1-D	6/28/2006	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	4-Nitrophenol	ug/L	47		U	
SA2-MW-1-D	6/28/2006	SVOCs	Acenaphthene	ug/L	9.4	420	U	
SA2-MW-1-D	6/28/2006	SVOCs	Acenaphthylene	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	Anthracene	ug/L	9.4	2100	U	
SA2-MW-1-D	6/28/2006	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	
SA2-MW-1-D	6/28/2006	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	
SA2-MW-1-D	6/28/2006	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	
SA2-MW-1-D	6/28/2006	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	
SA2-MW-1-D	6/28/2006	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	
SA2-MW-1-D	6/28/2006	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	
SA2-MW-1-D	6/28/2006	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	6	U	
SA2-MW-1-D	6/28/2006	SVOCs	Carbazole	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	Chrysene	ug/L	9.4	1.5	U	
SA2-MW-1-D	6/28/2006	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	
SA2-MW-1-D	6/28/2006	SVOCs	Dibenzofuran	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	Diethyl Phthalate	ug/L	9.4	5600	U	
SA2-MW-1-D	6/28/2006	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-1-D	6/28/2006	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	
SA2-MW-1-D	6/28/2006	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	
SA2-MW-1-D	6/28/2006	SVOCs	Dinoseb	ug/L	9.4	7	U	
SA2-MW-1-D	6/28/2006	SVOCs	Fluoranthene	ug/L	9.4	280	U	
SA2-MW-1-D	6/28/2006	SVOCs	Fluorene	ug/L	9.4	280	U	
SA2-MW-1-D	6/28/2006	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	
SA2-MW-1-D	6/28/2006	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	
SA2-MW-1-D	6/28/2006	SVOCs	Hexachloroethane	ug/L	9.4	7	U	
SA2-MW-1-D	6/28/2006	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	
SA2-MW-1-D	6/28/2006	SVOCs	Isophorone	ug/L	9.4	1400	U	
SA2-MW-1-D	6/28/2006	SVOCs	Naphthalene	ug/L	9.4	140	U	
SA2-MW-1-D	6/28/2006	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	
SA2-MW-1-D	6/28/2006	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	
SA2-MW-1-D	6/28/2006	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	
SA2-MW-1-D	6/28/2006	SVOCs	P-Chloroaniline	ug/L	19	28	U	
SA2-MW-1-D	6/28/2006	SVOCs	Phenanthrene	ug/L	9.4		U	
SA2-MW-1-D	6/28/2006	SVOCs	Phenol	ug/L	9.4	100	U	
SA2-MW-1-D	6/28/2006	SVOCs	Phenol, 4,4'-(1-methylethylidene)bis-	ug/L	5.2		NJ	
SA2-MW-1-D	6/28/2006	SVOCs	P-Nitroaniline	ug/L	47		U	
SA2-MW-1-D	6/28/2006	SVOCs	Pyrene	ug/L	9.4	210	U	
SA2-MW-1-D	6/28/2006	Herbicides	2,4,5-T	ug/L	0.49		U	
SA2-MW-1-D	6/28/2006	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
SA2-MW-1-D	6/28/2006	Herbicides	2,4-D	ug/L	0.49	70	U	
SA2-MW-1-D	6/28/2006	Herbicides	2,4-DB	ug/L	0.49		U	
SA2-MW-1-D	6/28/2006	Herbicides	Dalapon	ug/L	9.8	200	U	
SA2-MW-1-D	6/28/2006	Herbicides	Dicamba	ug/L	0.49		U	
SA2-MW-1-D	6/28/2006	Herbicides	Dichlorprop	ug/L	0.49		U	
SA2-MW-1-D	6/28/2006	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
SA2-MW-1-D	6/28/2006	Herbicides	MCPP	ug/L	120		U *	
SA2-MW-1-D	6/28/2006	Herbicides	Pentachlorophenol	ug/L	0.25	1	U	
SA2-MW-1-D	6/28/2006	Metals	Aluminum	mg/l	0.077		J	
SA2-MW-1-D	6/28/2006	Metals	Antimony	mg/l	0.02	0.006	U	
SA2-MW-1-D	6/28/2006	Metals	Arsenic	mg/l	0.01	0.05	U	
SA2-MW-1-D	6/28/2006	Metals	Barium	mg/l	0.04	2		
SA2-MW-1-D	6/28/2006	Metals	Beryllium	mg/l	0.004	0.004	U	
SA2-MW-1-D	6/28/2006	Metals	Cadmium	mg/l	0.0015	0.005	J	
SA2-MW-1-D	6/28/2006	Metals	Calcium	mg/l	550			
SA2-MW-1-D	6/28/2006	Metals	Chromium	mg/l	0.0042	0.1	J	U
SA2-MW-1-D	6/28/2006	Metals	Cobalt	mg/l	0.016	1		
SA2-MW-1-D	6/28/2006	Metals	Copper	mg/l	0.0034	0.65	J	U
SA2-MW-1-D	6/28/2006	Metals	Iron	mg/l	92	5		
SA2-MW-1-D	6/28/2006	Metals	Lead	mg/l	0.005	0.0075	U	UJ
SA2-MW-1-D	6/28/2006	Metals	Magnesium	mg/l	140			
SA2-MW-1-D	6/28/2006	Metals	Manganese	mg/l	15	0.15		
SA2-MW-1-D	6/28/2006	Metals	Mercury	mg/l	0.0002	2	U	
SA2-MW-1-D	6/28/2006	Metals	Nickel	mg/l	0.0083	0.1	J	
SA2-MW-1-D	6/28/2006	Metals	Potassium	mg/l	29		V	J
SA2-MW-1-D	6/28/2006	Metals	Selenium	mg/l	0.01	0.05	U	
SA2-MW-1-D	6/28/2006	Metals	Silver	mg/l	0.01	0.05	U	
SA2-MW-1-D	6/28/2006	Metals	Sodium	mg/l	180			
SA2-MW-1-D	6/28/2006	Metals	Thallium	mg/l	0.025	0.002	U	
SA2-MW-1-D	6/28/2006	Metals	Vanadium	mg/l	0.01	0.049	U	
SA2-MW-1-D	6/28/2006	Metals	Zinc	mg/l	34	5		
SA2-MW-1-D	6/28/2006	Other	Alkalinity	mg/l	240			
SA2-MW-1-D	6/28/2006	Other	Ammonia	mg/l	1.6			
SA2-MW-1-D	6/28/2006	Other	Carbon Dioxide	mg/l	220			
SA2-MW-1-D	6/28/2006	Other	Chloride	mg/l	270	200		

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-1-D	6/28/2006	Other	Nitrogen, Nitrate	mg/l	0.05	10	U	UJ
SA2-MW-1-D	6/28/2006	Other	Nitrogen, Nitrate Nitrite	mg/l	0.05		U	
SA2-MW-1-D	6/28/2006	Other	Sulfate as SO4	mg/l	2000	400		
SA2-MW-1-D	6/28/2006	Other	Total Organic Carbon	mg/l	4.5			
SITE Q NORTH								
AA-Q-9-98	5/12/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-Q-9-98	5/12/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-Q-9-98	5/12/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-Q-9-98	5/12/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-Q-9-98	5/12/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-Q-9-98	5/12/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-Q-9-98	5/12/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-Q-9-98	5/12/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-Q-9-98	5/12/2005	VOCs	2-Butanone (MEK)	ug/L	2.1		J	
AA-Q-9-98	5/12/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-Q-9-98	5/12/2005	VOCs	Acetone	ug/L	25	6300	U	
AA-Q-9-98	5/12/2005	VOCs	Benzene	ug/L	1	5	U	
AA-Q-9-98	5/12/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-Q-9-98	5/12/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-Q-9-98	5/12/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-Q-9-98	5/12/2005	VOCs	Carbon Disulfide	ug/L	1	700	U	
AA-Q-9-98	5/12/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-Q-9-98	5/12/2005	VOCs	Chlorobenzene	ug/L	1	100	U	
AA-Q-9-98	5/12/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-Q-9-98	5/12/2005	VOCs	Chloroethane	ug/L	1		U	
AA-Q-9-98	5/12/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-Q-9-98	5/12/2005	VOCs	Chloromethane	ug/L	1		U	
AA-Q-9-98	5/12/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-Q-9-98	5/12/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-Q-9-98	5/12/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-Q-9-98	5/12/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-Q-9-98	5/12/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-Q-9-98	5/12/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-Q-9-98	5/12/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-Q-9-98	5/12/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-Q-9-98	5/12/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-Q-9-98	5/12/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-Q-9-98	5/12/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-Q-9-98	5/12/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.6	70	U	
AA-Q-9-98	5/12/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.6	600	U	
AA-Q-9-98	5/12/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.6	75	U	
AA-Q-9-98	5/12/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.6	700	U	
AA-Q-9-98	5/12/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.6	10	U	
AA-Q-9-98	5/12/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.6	21	U	
AA-Q-9-98	5/12/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.6	140	U	
AA-Q-9-98	5/12/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	14	U	
AA-Q-9-98	5/12/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.6	0.02	U	
AA-Q-9-98	5/12/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.6	0.31	U	
AA-Q-9-98	5/12/2005	SVOCs	2-Chloronaphthalene	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	2-Chlorophenol	ug/L	9.6	35	U	
AA-Q-9-98	5/12/2005	SVOCs	2-Methylnaphthalene	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.6	350	U	
AA-Q-9-98	5/12/2005	SVOCs	2-Nitroaniline	ug/L	48		U	
AA-Q-9-98	5/12/2005	SVOCs	2-Nitrophenol	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	UJ

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-Q-9-98	5/12/2005	SVOCs	3-Nitroaniline	ug/L	48		U	
AA-Q-9-98	5/12/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48		U	
AA-Q-9-98	5/12/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	4-Nitrophenol	ug/L	48		U	
AA-Q-9-98	5/12/2005	SVOCs	Acenaphthene	ug/L	9.6	420	U	
AA-Q-9-98	5/12/2005	SVOCs	Acenaphthylene	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	Anthracene	ug/L	9.6	2100	U	
AA-Q-9-98	5/12/2005	SVOCs	Benzo(a)anthracene	ug/L	9.6	0.13	U	
AA-Q-9-98	5/12/2005	SVOCs	Benzo(a)pyrene	ug/L	9.6	0.2	U	
AA-Q-9-98	5/12/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.6	0.18	U	
AA-Q-9-98	5/12/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.6	0.17	U	
AA-Q-9-98	5/12/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.6	1400	U	
AA-Q-9-98	5/12/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.6	10	U	
AA-Q-9-98	5/12/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.6	6	U	
AA-Q-9-98	5/12/2005	SVOCs	Carbazole	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	Chrysene	ug/L	9.6	1.5	U	
AA-Q-9-98	5/12/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.6	0.3	U	
AA-Q-9-98	5/12/2005	SVOCs	Dibenzofuran	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	Diethyl Phthalate	ug/L	9.6	5600	U	
AA-Q-9-98	5/12/2005	SVOCs	Dimethyl Phthalate	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	Di-n-butylphthalate	ug/L	9.6	700	U	
AA-Q-9-98	5/12/2005	SVOCs	Di-n-octylphthalate	ug/L	9.6	140	U	
AA-Q-9-98	5/12/2005	SVOCs	Dinoseb	ug/L	9.6	7	U	
AA-Q-9-98	5/12/2005	SVOCs	Fluoranthene	ug/L	9.6	280	U	
AA-Q-9-98	5/12/2005	SVOCs	Fluorene	ug/L	9.6	280	U	
AA-Q-9-98	5/12/2005	SVOCs	Hexachlorobenzene	ug/L	9.6	0.06	U	
AA-Q-9-98	5/12/2005	SVOCs	Hexachlorobutadiene	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.6	50	U	
AA-Q-9-98	5/12/2005	SVOCs	Hexachloroethane	ug/L	9.6	7	U	
AA-Q-9-98	5/12/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.6	0.43	U	
AA-Q-9-98	5/12/2005	SVOCs	Isophorone	ug/L	9.6	1400	U	
AA-Q-9-98	5/12/2005	SVOCs	Naphthalene	ug/L	9.6	140	U	
AA-Q-9-98	5/12/2005	SVOCs	Nitrobenzene	ug/L	9.6	3.5	U	
AA-Q-9-98	5/12/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.6	1.8	U	
AA-Q-9-98	5/12/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.6	3.2	U	
AA-Q-9-98	5/12/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	UJ
AA-Q-9-98	5/12/2005	SVOCs	Phenanthrene	ug/L	9.6		U	
AA-Q-9-98	5/12/2005	SVOCs	Phenol	ug/L	9.6	100	U	
AA-Q-9-98	5/12/2005	SVOCs	P-Nitroaniline	ug/L	48		U	
AA-Q-9-98	5/12/2005	SVOCs	Pyrene	ug/L	9.6	210	U	
AA-Q-9-98	5/12/2005	Herbicides	2,4,5-T	ug/L	0.49		U	
AA-Q-9-98	5/12/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
AA-Q-9-98	5/12/2005	Herbicides	2,4-D	ug/L	0.49	70	U	
AA-Q-9-98	5/12/2005	Herbicides	2,4-DB	ug/L	0.49		U	
AA-Q-9-98	5/12/2005	Herbicides	Dalapon	ug/L	9.7	200	U	
AA-Q-9-98	5/12/2005	Herbicides	Dicamba	ug/L	0.49		U	
AA-Q-9-98	5/12/2005	Herbicides	Dichlorprop	ug/L	0.49		U	
AA-Q-9-98	5/12/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-Q-9-98	5/12/2005	Herbicides	MCPP	ug/L	120		U	
AA-Q-9-98	5/12/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-Q-9-98	5/12/2005	Metals	Aluminum	mg/l	14			
AA-Q-9-98	5/12/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-Q-9-98	5/12/2005	Metals	Arsenic	mg/l	0.019	0.05		
AA-Q-9-98	5/12/2005	Metals	Barium	mg/l	0.49	2		

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-Q-9-98	5/12/2005	Metals	Beryllium	mg/l	0.00096	0.004	J	
AA-Q-9-98	5/12/2005	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-Q-9-98	5/12/2005	Metals	Calcium	mg/l	120			
AA-Q-9-98	5/12/2005	Metals	Chromium	mg/l	0.27	0.1		
AA-Q-9-98	5/12/2005	Metals	Cobalt	mg/l	0.018	1		
AA-Q-9-98	5/12/2005	Metals	Copper	mg/l	0.08	0.65		
AA-Q-9-98	5/12/2005	Metals	Iron	mg/l	62	5		
AA-Q-9-98	5/12/2005	Metals	Lead	mg/l	0.028	0.0075		
AA-Q-9-98	5/12/2005	Metals	Magnesium	mg/l	28			
AA-Q-9-98	5/12/2005	Metals	Manganese	mg/l	2.4	0.15		
AA-Q-9-98	5/12/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-Q-9-98	5/12/2005	Metals	Nickel	mg/l	0.12	0.1		
AA-Q-9-98	5/12/2005	Metals	Potassium	mg/l	8.9			
AA-Q-9-98	5/12/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-Q-9-98	5/12/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-Q-9-98	5/12/2005	Metals	Sodium	mg/l	23			
AA-Q-9-98	5/12/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-Q-9-98	5/12/2005	Metals	Vanadium	mg/l	0.042	0.049		
AA-Q-9-98	5/12/2005	Metals	Zinc	mg/l	2.1	5		
AA-Q-9-98	5/12/2005	Other	Ammonia	mg/l	0.44			
AA-Q-9-118	5/12/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-Q-9-118	5/12/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-Q-9-118	5/12/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-Q-9-118	5/12/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-Q-9-118	5/12/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-Q-9-118	5/12/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-Q-9-118	5/12/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-Q-9-118	5/12/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-Q-9-118	5/12/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-Q-9-118	5/12/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-Q-9-118	5/12/2005	VOCs	Acetone	ug/L	25	6300	U	
AA-Q-9-118	5/12/2005	VOCs	Benzene	ug/L	1	5	U	
AA-Q-9-118	5/12/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-Q-9-118	5/12/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-Q-9-118	5/12/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-Q-9-118	5/12/2005	VOCs	Carbon Disulfide	ug/L	1	700		
AA-Q-9-118	5/12/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-Q-9-118	5/12/2005	VOCs	Chlorobenzene	ug/L	0.41	100	J	
AA-Q-9-118	5/12/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-Q-9-118	5/12/2005	VOCs	Chloroethane	ug/L	1		U	
AA-Q-9-118	5/12/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-Q-9-118	5/12/2005	VOCs	Chloromethane	ug/L	1		U	
AA-Q-9-118	5/12/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-Q-9-118	5/12/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-Q-9-118	5/12/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-Q-9-118	5/12/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-Q-9-118	5/12/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-Q-9-118	5/12/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-Q-9-118	5/12/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-Q-9-118	5/12/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-Q-9-118	5/12/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-Q-9-118	5/12/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-Q-9-118	5/12/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-Q-9-118	5/12/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.9	70	U	
AA-Q-9-118	5/12/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.9	600	U	
AA-Q-9-118	5/12/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.9	75	U	
AA-Q-9-118	5/12/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.9		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-Q-9-118	5/12/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.9	700	U	
AA-Q-9-118	5/12/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.9	10	U	
AA-Q-9-118	5/12/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.9	21	U	
AA-Q-9-118	5/12/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.9	140	U	
AA-Q-9-118	5/12/2005	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
AA-Q-9-118	5/12/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.9	0.02	U	
AA-Q-9-118	5/12/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.9	0.31	U	
AA-Q-9-118	5/12/2005	SVOCs	2-Chloronaphthalene	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	2-Chlorophenol	ug/L	9.9	35	U	
AA-Q-9-118	5/12/2005	SVOCs	2-Methylnaphthalene	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.9	350	U	
AA-Q-9-118	5/12/2005	SVOCs	2-Nitroaniline	ug/L	50		U	
AA-Q-9-118	5/12/2005	SVOCs	2-Nitrophenol	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	UJ
AA-Q-9-118	5/12/2005	SVOCs	3-Nitroaniline	ug/L	50		U	
AA-Q-9-118	5/12/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
AA-Q-9-118	5/12/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	4-Nitrophenol	ug/L	50		U	
AA-Q-9-118	5/12/2005	SVOCs	Acenaphthene	ug/L	9.9	420	U	
AA-Q-9-118	5/12/2005	SVOCs	Acenaphthylene	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	Anthracene	ug/L	9.9	2100	U	
AA-Q-9-118	5/12/2005	SVOCs	Benzo(a)anthracene	ug/L	9.9	0.13	U	
AA-Q-9-118	5/12/2005	SVOCs	Benzo(a)pyrene	ug/L	9.9	0.2	U	
AA-Q-9-118	5/12/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.9	0.18	U	
AA-Q-9-118	5/12/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.9	0.17	U	
AA-Q-9-118	5/12/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.9	1400	U	
AA-Q-9-118	5/12/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.9	10	U	
AA-Q-9-118	5/12/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.9	6	U	
AA-Q-9-118	5/12/2005	SVOCs	Carbazole	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	Chrysene	ug/L	9.9	1.5	U	
AA-Q-9-118	5/12/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.9	0.3	U	
AA-Q-9-118	5/12/2005	SVOCs	Dibenzofuran	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	Diethyl Phthalate	ug/L	9.9	5600	U	
AA-Q-9-118	5/12/2005	SVOCs	Dimethyl Phthalate	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	Di-n-butylphthalate	ug/L	9.9	700	U	
AA-Q-9-118	5/12/2005	SVOCs	Di-n-octylphthalate	ug/L	9.9	140	U	
AA-Q-9-118	5/12/2005	SVOCs	Dinoseb	ug/L	9.9	7	U	
AA-Q-9-118	5/12/2005	SVOCs	Fluoranthene	ug/L	9.9	280	U	
AA-Q-9-118	5/12/2005	SVOCs	Fluorene	ug/L	9.9	280	U	
AA-Q-9-118	5/12/2005	SVOCs	Hexachlorobenzene	ug/L	9.9	0.06	U	
AA-Q-9-118	5/12/2005	SVOCs	Hexachlorobutadiene	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.9	50	U	
AA-Q-9-118	5/12/2005	SVOCs	Hexachloroethane	ug/L	9.9	7	U	
AA-Q-9-118	5/12/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.9	0.43	U	
AA-Q-9-118	5/12/2005	SVOCs	Isophorone	ug/L	9.9	1400	U	
AA-Q-9-118	5/12/2005	SVOCs	Naphthalene	ug/L	9.9	140	U	
AA-Q-9-118	5/12/2005	SVOCs	Nitrobenzene	ug/L	9.9	3.5	U	
AA-Q-9-118	5/12/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.9	1.8	U	
AA-Q-9-118	5/12/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.9	3.2	U	
AA-Q-9-118	5/12/2005	SVOCs	P-Chloroaniline	ug/L	20	28	U	UJ
AA-Q-9-118	5/12/2005	SVOCs	Phenanthrene	ug/L	9.9		U	
AA-Q-9-118	5/12/2005	SVOCs	Phenol	ug/L	9.9	100	U	
AA-Q-9-118	5/12/2005	SVOCs	P-Nitroaniline	ug/L	50		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-Q-9-118	5/12/2005	SVOCs	Pyrene	ug/L	9.9	210	U	
AA-Q-9-118	5/12/2005	Herbicides	2,4,5-T	ug/L	0.49		U	
AA-Q-9-118	5/12/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
AA-Q-9-118	5/12/2005	Herbicides	2,4-D	ug/L	0.49	70	U	
AA-Q-9-118	5/12/2005	Herbicides	2,4-DB	ug/L	0.49		U	
AA-Q-9-118	5/12/2005	Herbicides	Dalapon	ug/L	9.7	200	U	
AA-Q-9-118	5/12/2005	Herbicides	Dicamba	ug/L	0.49		U	
AA-Q-9-118	5/12/2005	Herbicides	Dichlorprop	ug/L	0.49		U	
AA-Q-9-118	5/12/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-Q-9-118	5/12/2005	Herbicides	MCPP	ug/L	120		U	
AA-Q-9-118	5/12/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-Q-9-118	5/12/2005	Metals	Aluminum	mg/l	14			
AA-Q-9-118	5/12/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-Q-9-118	5/12/2005	Metals	Arsenic	mg/l	0.012	0.05		
AA-Q-9-118	5/12/2005	Metals	Barium	mg/l	0.69	2		
AA-Q-9-118	5/12/2005	Metals	Beryllium	mg/l	0.001	0.004	J	
AA-Q-9-118	5/12/2005	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-Q-9-118	5/12/2005	Metals	Calcium	mg/l	210			
AA-Q-9-118	5/12/2005	Metals	Chromium	mg/l	0.25	0.1		
AA-Q-9-118	5/12/2005	Metals	Cobalt	mg/l	0.021	1		
AA-Q-9-118	5/12/2005	Metals	Copper	mg/l	0.099	0.65		
AA-Q-9-118	5/12/2005	Metals	Iron	mg/l	82	5		
AA-Q-9-118	5/12/2005	Metals	Lead	mg/l	0.027	0.0075		
AA-Q-9-118	5/12/2005	Metals	Magnesium	mg/l	50			
AA-Q-9-118	5/12/2005	Metals	Manganese	mg/l	4.6	0.15		
AA-Q-9-118	5/12/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-Q-9-118	5/12/2005	Metals	Nickel	mg/l	0.13	0.1		
AA-Q-9-118	5/12/2005	Metals	Potassium	mg/l	11			
AA-Q-9-118	5/12/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-Q-9-118	5/12/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-Q-9-118	5/12/2005	Metals	Sodium	mg/l	26			
AA-Q-9-118	5/12/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-Q-9-118	5/12/2005	Metals	Vanadium	mg/l	0.039	0.049		
AA-Q-9-118	5/12/2005	Metals	Zinc	mg/l	2.9	5		
AA-Q-9-118	5/12/2005	Other	Ammonia	mg/l	0.39			
AA-Q-9-132	5/13/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-Q-9-132	5/13/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-Q-9-132	5/13/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-Q-9-132	5/13/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-Q-9-132	5/13/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-Q-9-132	5/13/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-Q-9-132	5/13/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-Q-9-132	5/13/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-Q-9-132	5/13/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-Q-9-132	5/13/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-Q-9-132	5/13/2005	VOCs	Acetone	ug/L	25	6300	U	
AA-Q-9-132	5/13/2005	VOCs	Benzene	ug/L	1	5	U	
AA-Q-9-132	5/13/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-Q-9-132	5/13/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-Q-9-132	5/13/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-Q-9-132	5/13/2005	VOCs	Carbon Disulfide	ug/L	1	700	U	
AA-Q-9-132	5/13/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-Q-9-132	5/13/2005	VOCs	Chlorobenzene	ug/L	1	100	U	
AA-Q-9-132	5/13/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-Q-9-132	5/13/2005	VOCs	Chloroethane	ug/L	1		U	
AA-Q-9-132	5/13/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-Q-9-132	5/13/2005	VOCs	Chloromethane	ug/L	1		U	
AA-Q-9-132	5/13/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-Q-9-132	5/13/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-Q-9-132	5/13/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-Q-9-132	5/13/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-Q-9-132	5/13/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-Q-9-132	5/13/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-Q-9-132	5/13/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-Q-9-132	5/13/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-Q-9-132	5/13/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-Q-9-132	5/13/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-Q-9-132	5/13/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-Q-9-132	5/13/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.3	70	U	
AA-Q-9-132	5/13/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.3	600	U	
AA-Q-9-132	5/13/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.3	75	U	
AA-Q-9-132	5/13/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.3	700	U	
AA-Q-9-132	5/13/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.3	10	U	
AA-Q-9-132	5/13/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.3	21	U	
AA-Q-9-132	5/13/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.3	140	U	
AA-Q-9-132	5/13/2005	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
AA-Q-9-132	5/13/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.3	0.02	U	
AA-Q-9-132	5/13/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.3	0.31	U	
AA-Q-9-132	5/13/2005	SVOCs	2-Chloronaphthalene	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	2-Chlorophenol	ug/L	9.3	35	U	
AA-Q-9-132	5/13/2005	SVOCs	2-Methylnaphthalene	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.3	350	U	
AA-Q-9-132	5/13/2005	SVOCs	2-Nitroaniline	ug/L	47		U	
AA-Q-9-132	5/13/2005	SVOCs	2-Nitrophenol	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	UJ
AA-Q-9-132	5/13/2005	SVOCs	3-Nitroaniline	ug/L	47		U	
AA-Q-9-132	5/13/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
AA-Q-9-132	5/13/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	4-Nitrophenol	ug/L	47		U	
AA-Q-9-132	5/13/2005	SVOCs	Acenaphthene	ug/L	9.3	420	U	
AA-Q-9-132	5/13/2005	SVOCs	Acenaphthylene	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	Anthracene	ug/L	9.3	2100	U	
AA-Q-9-132	5/13/2005	SVOCs	Benzo(a)anthracene	ug/L	9.3	0.13	U	
AA-Q-9-132	5/13/2005	SVOCs	Benzo(a)pyrene	ug/L	9.3	0.2	U	
AA-Q-9-132	5/13/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.3	0.18	U	
AA-Q-9-132	5/13/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.3	0.17	U	
AA-Q-9-132	5/13/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.3	1400	U	
AA-Q-9-132	5/13/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.3	10	U	
AA-Q-9-132	5/13/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.3	6	U	
AA-Q-9-132	5/13/2005	SVOCs	Carbazole	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	Chrysene	ug/L	9.3	1.5	U	
AA-Q-9-132	5/13/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.3	0.3	U	
AA-Q-9-132	5/13/2005	SVOCs	Dibenzofuran	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	Diethyl Phthalate	ug/L	9.3	5600	U	
AA-Q-9-132	5/13/2005	SVOCs	Dimethyl Phthalate	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	Di-n-butylphthalate	ug/L	9.3	700	U	
AA-Q-9-132	5/13/2005	SVOCs	Di-n-octylphthalate	ug/L	9.3	140	U	
AA-Q-9-132	5/13/2005	SVOCs	Dinoseb	ug/L	9.3	7	U	
AA-Q-9-132	5/13/2005	SVOCs	Fluoranthene	ug/L	9.3	280	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-Q-9-132	5/13/2005	SVOCs	Fluorene	ug/L	9.3	280	U	
AA-Q-9-132	5/13/2005	SVOCs	Hexachlorobenzene	ug/L	9.3	0.06	U	
AA-Q-9-132	5/13/2005	SVOCs	Hexachlorobutadiene	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.3	50	U	
AA-Q-9-132	5/13/2005	SVOCs	Hexachloroethane	ug/L	9.3	7	U	
AA-Q-9-132	5/13/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.3	0.43	U	
AA-Q-9-132	5/13/2005	SVOCs	Isophorone	ug/L	9.3	1400	U	
AA-Q-9-132	5/13/2005	SVOCs	Naphthalene	ug/L	9.3	140	U	
AA-Q-9-132	5/13/2005	SVOCs	Nitrobenzene	ug/L	9.3	3.5	U	
AA-Q-9-132	5/13/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.3	1.8	U	
AA-Q-9-132	5/13/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.3	3.2	U	
AA-Q-9-132	5/13/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	UJ
AA-Q-9-132	5/13/2005	SVOCs	Phenanthrene	ug/L	9.3		U	
AA-Q-9-132	5/13/2005	SVOCs	Phenol	ug/L	9.3	100	U	
AA-Q-9-132	5/13/2005	SVOCs	P-Nitroaniline	ug/L	47		U	
AA-Q-9-132	5/13/2005	SVOCs	Pyrene	ug/L	9.3	210	U	
AA-Q-9-132	5/13/2005	Herbicides	2,4,5-T	ug/L	0.49		U	
AA-Q-9-132	5/13/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
AA-Q-9-132	5/13/2005	Herbicides	2,4-D	ug/L	0.49	70	U	
AA-Q-9-132	5/13/2005	Herbicides	2,4-DB	ug/L	0.49		U	
AA-Q-9-132	5/13/2005	Herbicides	Dalapon	ug/L	9.7	200	U	
AA-Q-9-132	5/13/2005	Herbicides	Dicamba	ug/L	0.49		U	
AA-Q-9-132	5/13/2005	Herbicides	Dichlorprop	ug/L	0.49		U	
AA-Q-9-132	5/13/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-Q-9-132	5/13/2005	Herbicides	MCPP	ug/L	120		U	
AA-Q-9-132	5/13/2005	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
AA-Q-9-132	5/13/2005	Metals	Aluminum	mg/l	6.4			
AA-Q-9-132	5/13/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-Q-9-132	5/13/2005	Metals	Arsenic	mg/l	0.0094	0.05	J	
AA-Q-9-132	5/13/2005	Metals	Barium	mg/l	0.26	2		
AA-Q-9-132	5/13/2005	Metals	Beryllium	mg/l	0.00048	0.004	J	
AA-Q-9-132	5/13/2005	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-Q-9-132	5/13/2005	Metals	Calcium	mg/l	120			
AA-Q-9-132	5/13/2005	Metals	Chromium	mg/l	0.14	0.1		
AA-Q-9-132	5/13/2005	Metals	Cobalt	mg/l	0.0095	1	J	
AA-Q-9-132	5/13/2005	Metals	Copper	mg/l	0.078	0.65		
AA-Q-9-132	5/13/2005	Metals	Iron	mg/l	46	5		
AA-Q-9-132	5/13/2005	Metals	Lead	mg/l	0.0049	0.0075	J	
AA-Q-9-132	5/13/2005	Metals	Magnesium	mg/l	29			
AA-Q-9-132	5/13/2005	Metals	Manganese	mg/l	2.4	0.15		
AA-Q-9-132	5/13/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-Q-9-132	5/13/2005	Metals	Nickel	mg/l	0.055	0.1		
AA-Q-9-132	5/13/2005	Metals	Potassium	mg/l	7.3			
AA-Q-9-132	5/13/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-Q-9-132	5/13/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-Q-9-132	5/13/2005	Metals	Sodium	mg/l	23			
AA-Q-9-132	5/13/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-Q-9-132	5/13/2005	Metals	Vanadium	mg/l	0.018	0.049		
AA-Q-9-132	5/13/2005	Metals	Zinc	mg/l	2.5	5		
AA-Q-9-132	5/13/2005	Other	Ammonia	mg/l	0.68			J
SITE Q CENTRAL								
GW-AA-Q-1-80	7/16/2002	VOCs	1,1,1-Trichloroethane	ug/L	2	200	U	
GW-AA-Q-1-80	7/16/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	2		U	
GW-AA-Q-1-80	7/16/2002	VOCs	1,1,2-Trichloroethane	ug/L	2	5	U	
GW-AA-Q-1-80	7/16/2002	VOCs	1,1-Dichloroethane	ug/L	2.2	700		
GW-AA-Q-1-80	7/16/2002	VOCs	1,1-Dichloroethylene	ug/L	2	7	U	
GW-AA-Q-1-80	7/16/2002	VOCs	1,2-Dichloroethane	ug/L	2	5	U	
GW-AA-Q-1-80	7/16/2002	VOCs	1,2-Dichloroethene (total)	ug/L	4		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-80	7/16/2002	VOCs	1,2-Dichloropropane	ug/L	2	5	U	
GW-AA-Q-1-80	7/16/2002	VOCs	2-Butanone (MEK)	ug/L	20		U	
GW-AA-Q-1-80	7/16/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	20		U	
GW-AA-Q-1-80	7/16/2002	VOCs	Acetone	ug/L	50	6300	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Benzene	ug/L	2	5	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Bromodichloromethane	ug/L	2	0.2	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Bromoform	ug/L	2	1	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Bromomethane	ug/L	2	9.8	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Carbon Disulfide	ug/L	2	700	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Carbon Tetrachloride	ug/L	2	5	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Chlorobenzene	ug/L	130	100		
GW-AA-Q-1-80	7/16/2002	VOCs	Chlorodibromomethane	ug/L	2	140	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Chloroethane	ug/L	0.69		J	
GW-AA-Q-1-80	7/16/2002	VOCs	Chloroform	ug/L	2	0.2	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Chloromethane	ug/L	2		U	
GW-AA-Q-1-80	7/16/2002	VOCs	cis-1,3-Dichloropropene	ug/L	2		U	
GW-AA-Q-1-80	7/16/2002	VOCs	Dichloromethane	ug/L	10	5	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Ethylbenzene	ug/L	2	700	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Methyl N-Butyl Ketone	ug/L	20		U	
GW-AA-Q-1-80	7/16/2002	VOCs	Styrene (Monomer)	ug/L	2	100	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Tetrachloroethene	ug/L	2	5	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Toluene	ug/L	2	1000	U	
GW-AA-Q-1-80	7/16/2002	VOCs	trans-1,3-Dichloropropene	ug/L	2		U	
GW-AA-Q-1-80	7/16/2002	VOCs	Trichloroethene	ug/L	2	5	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Vinyl chloride	ug/L	2	2	U	
GW-AA-Q-1-80	7/16/2002	VOCs	Xylenes, Total	ug/L	4	10000	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	1,2-Dichlorobenzene	ug/L	5.6	600	J	
GW-AA-Q-1-80	7/16/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	1,4-Dichlorobenzene	ug/L	12	75		
GW-AA-Q-1-80	7/16/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2,4-Dichlorophenol	ug/L	1	21	J	
GW-AA-Q-1-80	7/16/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2-Chlorophenol	ug/L	2.4	35	J	
GW-AA-Q-1-80	7/16/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Anthracene	ug/L	0.62	2100	J	
GW-AA-Q-1-80	7/16/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Benzo(b)fluoranthene	ug/L	3.7	0.18	J	J

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-80	7/16/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	1.2		J	
GW-AA-Q-1-80	7/16/2002	SVOCs	Benzo(k)fluoranthene	ug/L	0.84	0.17	J	
GW-AA-Q-1-80	7/16/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	0.66	1400	J	
GW-AA-Q-1-80	7/16/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Chrysene	ug/L	0.58	1.5	J	
GW-AA-Q-1-80	7/16/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	2.8	0.3	J	
GW-AA-Q-1-80	7/16/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	0.88	0.43	J	
GW-AA-Q-1-80	7/16/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	1.5	1.8	J	
GW-AA-Q-1-80	7/16/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	P-Chloroaniline	ug/L	55	28		
GW-AA-Q-1-80	7/16/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-1-80	7/16/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-80	7/16/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-1-80	7/16/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-1-80	7/16/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-80	7/16/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-1-80	7/16/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-80	7/16/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-80	7/16/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-1-80	7/16/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-1-80	7/16/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-80	7/16/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-80	7/16/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-80	7/16/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	beta-BHC	ug/L	0.17			J
GW-AA-Q-1-80	7/16/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.026	0.2	JP	J

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-80	7/16/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Heptachlor	ug/L	0.016	0.4	JP	J
GW-AA-Q-1-80	7/16/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-1-80	7/16/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-1-80	7/16/2002	Herbicides	2,4,5-T	ug/L	0.19		J	
GW-AA-Q-1-80	7/16/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-1-80	7/16/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-Q-1-80	7/16/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-1-80	7/16/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-1-80	7/16/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-1-80	7/16/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-1-80	7/16/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-1-80	7/16/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	U
GW-AA-Q-1-80	7/16/2002	Metals	Aluminum	mg/l	5.8			
GW-AA-Q-1-80	7/16/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-1-80	7/16/2002	Metals	Arsenic	mg/l	0.01	0.05		J
GW-AA-Q-1-80	7/16/2002	Metals	Barium	mg/l	0.63	2		
GW-AA-Q-1-80	7/16/2002	Metals	Beryllium	mg/l	0.00029	0.004	B	
GW-AA-Q-1-80	7/16/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-1-80	7/16/2002	Metals	Calcium	mg/l	240			
GW-AA-Q-1-80	7/16/2002	Metals	Chromium	mg/l	0.048	0.1		
GW-AA-Q-1-80	7/16/2002	Metals	Cobalt	mg/l	0.0051	1	B	
GW-AA-Q-1-80	7/16/2002	Metals	Copper	mg/l	0.035	0.65		
GW-AA-Q-1-80	7/16/2002	Metals	Iron	mg/l	49	5		
GW-AA-Q-1-80	7/16/2002	Metals	Lead	mg/l	0.011	0.0075		
GW-AA-Q-1-80	7/16/2002	Metals	Magnesium	mg/l	50			
GW-AA-Q-1-80	7/16/2002	Metals	Manganese	mg/l	3	0.15		
GW-AA-Q-1-80	7/16/2002	Metals	Mercury	mg/l	0.00021	2		
GW-AA-Q-1-80	7/16/2002	Metals	Nickel	mg/l	0.057	0.1		
GW-AA-Q-1-80	7/16/2002	Metals	Potassium	mg/l	13			
GW-AA-Q-1-80	7/16/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-1-80	7/16/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-1-80	7/16/2002	Metals	Sodium	mg/l	49			
GW-AA-Q-1-80	7/16/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-Q-1-80	7/16/2002	Metals	Vanadium	mg/l	0.016	0.049		
GW-AA-Q-1-80	7/16/2002	Metals	Zinc	mg/l	0.16	5		
GW-AA-Q-1-80	7/16/2002	Other	Alkalinity, Total (as CACO3)	mg/l	620			
GW-AA-Q-1-80	7/16/2002	Other	Carbon Dioxide	mg/l	18			
GW-AA-Q-1-80	7/16/2002	Other	Methane	ug/L	67			J
GW-AA-Q-1-80	7/16/2002	Other	Nitrate-N	mg/l	0.011	10	B	
GW-AA-Q-1-80	7/16/2002	Other	Sulfate as SO4	mg/l	130	400		
GW-AA-Q-1-90	7/17/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-1-90	7/17/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-1-90	7/17/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-1-90	7/17/2002	VOCs	1,1-Dichloroethane	ug/L	2.9	700		
GW-AA-Q-1-90	7/17/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-1-90	7/17/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-1-90	7/17/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	U
GW-AA-Q-1-90	7/17/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-1-90	7/17/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Benzene	ug/L	1.4	5		
GW-AA-Q-1-90	7/17/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-90	7/17/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Chlorobenzene	ug/L	220	100	D	
GW-AA-Q-1-90	7/17/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Chloroethane	ug/L	0.84		J	
GW-AA-Q-1-90	7/17/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Chloromethane	ug/L	1		U	U
GW-AA-Q-1-90	7/17/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-1-90	7/17/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-1-90	7/17/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-1-90	7/17/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-1-90	7/17/2002	VOCs	Trichloroethene	ug/L	1	5	U	U
GW-AA-Q-1-90	7/17/2002	VOCs	Vinyl chloride	ug/L	1	2	U	U
GW-AA-Q-1-90	7/17/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	U
GW-AA-Q-1-90	7/17/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	1,4-Dichlorobenzene	ug/L	12	75		
GW-AA-Q-1-90	7/17/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-Q-1-90	7/17/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2-Chlorophenol	ug/L	3.7	35	J	
GW-AA-Q-1-90	7/17/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-90	7/17/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	P-Chloroaniline	ug/L	110	28		
GW-AA-Q-1-90	7/17/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-1-90	7/17/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-90	7/17/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-1-100	7/17/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-1-100	7/17/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-1-100	7/17/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-1-100	7/17/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-1-100	7/17/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-1-100	7/17/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-1-100	7/17/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-1-100	7/17/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-1-100	7/17/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Chlorobenzene	ug/L	200	100	D	
GW-AA-Q-1-100	7/17/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-1-100	7/17/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Chloromethane	ug/L	1		U	U
GW-AA-Q-1-100	7/17/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-1-100	7/17/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Toluene	ug/L	1	1000	U	U
GW-AA-Q-1-100	7/17/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-1-100	7/17/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-1-100	7/17/2002	VOCs	Vinyl chloride	ug/L	1	2		U
GW-AA-Q-1-100	7/17/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-100	7/17/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	U
GW-AA-Q-1-100	7/17/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	1,4-Dichlorobenzene	ug/L	7.8	75	J	
GW-AA-Q-1-100	7/17/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2-Chlorophenol	ug/L	4.6	35	J	
GW-AA-Q-1-100	7/17/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-100	7/17/2002	SVOCs	P-Chloroaniline	ug/L	5.2	28	J	
GW-AA-Q-1-100	7/17/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-1-100	7/17/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-100	7/17/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-1-110	7/30/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-1-110	7/30/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-1-110	7/30/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-1-110	7/30/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-1-110	7/30/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-1-110	7/30/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-1-110	7/30/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-1-110	7/30/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-1-110	7/30/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-1-110	7/30/2002	VOCs	Benzene	ug/L	10	5		
GW-AA-Q-1-110	7/30/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-1-110	7/30/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-1-110	7/30/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-1-110	7/30/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	U
GW-AA-Q-1-110	7/30/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-1-110	7/30/2002	VOCs	Chlorobenzene	ug/L	130	100		
GW-AA-Q-1-110	7/30/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-1-110	7/30/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-1-110	7/30/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-1-110	7/30/2002	VOCs	Chloromethane	ug/L	0.21		J	J
GW-AA-Q-1-110	7/30/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-1-110	7/30/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-1-110	7/30/2002	VOCs	Ethylbenzene	ug/L	0.89	700	J	
GW-AA-Q-1-110	7/30/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-1-110	7/30/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-1-110	7/30/2002	VOCs	Toluene	ug/L	0.39	1000	J	
GW-AA-Q-1-110	7/30/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-1-110	7/30/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-1-110	7/30/2002	VOCs	Vinyl chloride	ug/L	3.2	2		
GW-AA-Q-1-110	7/30/2002	VOCs	Xylenes, Total	ug/L	2	10000		
GW-AA-Q-1-110	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	3	600	J	
GW-AA-Q-1-110	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	3.2	75	J	
GW-AA-Q-1-110	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2-Chlorophenol	ug/L	3.6	35	J	
GW-AA-Q-1-110	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-110	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Naphthalene	ug/L	2	140	J	
GW-AA-Q-1-110	7/30/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	P-Chloroaniline	ug/L	1.6	28	J	
GW-AA-Q-1-110	7/30/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-1-110	7/30/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-110	7/30/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-1-120	7/30/2002	VOCs	1,1,1-Trichloroethane	ug/L	2	200	U	
GW-AA-Q-1-120	7/30/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	2		U	
GW-AA-Q-1-120	7/30/2002	VOCs	1,1,2-Trichloroethane	ug/L	2	5	U	
GW-AA-Q-1-120	7/30/2002	VOCs	1,1-Dichloroethane	ug/L	2	700	U	
GW-AA-Q-1-120	7/30/2002	VOCs	1,1-Dichloroethylene	ug/L	2	7	U	
GW-AA-Q-1-120	7/30/2002	VOCs	1,2-Dichloroethane	ug/L	2	5	U	
GW-AA-Q-1-120	7/30/2002	VOCs	1,2-Dichloroethene (total)	ug/L	4		U	
GW-AA-Q-1-120	7/30/2002	VOCs	1,2-Dichloropropane	ug/L	2	5	U	
GW-AA-Q-1-120	7/30/2002	VOCs	2-Butanone (MEK)	ug/L	20		U	
GW-AA-Q-1-120	7/30/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	20		U	
GW-AA-Q-1-120	7/30/2002	VOCs	Acetone	ug/L	50	6300	U	
GW-AA-Q-1-120	7/30/2002	VOCs	Benzene	ug/L	28	5		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-120	7/30/2002	VOCs	Bromodichloromethane	ug/L	2	0.2	U	
GW-AA-Q-1-120	7/30/2002	VOCs	Bromoform	ug/L	2	1	U	
GW-AA-Q-1-120	7/30/2002	VOCs	Bromomethane	ug/L	2	9.8	U	UJ
GW-AA-Q-1-120	7/30/2002	VOCs	Carbon Disulfide	ug/L	2	700	U	U
GW-AA-Q-1-120	7/30/2002	VOCs	Carbon Tetrachloride	ug/L	2	5	U	
GW-AA-Q-1-120	7/30/2002	VOCs	Chlorobenzene	ug/L	310	100		
GW-AA-Q-1-120	7/30/2002	VOCs	Chlorodibromomethane	ug/L	2	140	U	
GW-AA-Q-1-120	7/30/2002	VOCs	Chloroethane	ug/L	2		U	
GW-AA-Q-1-120	7/30/2002	VOCs	Chloroform	ug/L	2	0.2	U	
GW-AA-Q-1-120	7/30/2002	VOCs	Chloromethane	ug/L	2		U	
GW-AA-Q-1-120	7/30/2002	VOCs	cis-1,3-Dichloropropene	ug/L	2		U	
GW-AA-Q-1-120	7/30/2002	VOCs	Dichloromethane	ug/L	10	5	U	
GW-AA-Q-1-120	7/30/2002	VOCs	Ethylbenzene	ug/L	2.1	700		
GW-AA-Q-1-120	7/30/2002	VOCs	Methyl N-Butyl Ketone	ug/L	20		U	
GW-AA-Q-1-120	7/30/2002	VOCs	Styrene (Monomer)	ug/L	2	100	U	
GW-AA-Q-1-120	7/30/2002	VOCs	Tetrachloroethene	ug/L	2	5	U	
GW-AA-Q-1-120	7/30/2002	VOCs	Toluene	ug/L	2	1000	U	
GW-AA-Q-1-120	7/30/2002	VOCs	trans-1,3-Dichloropropene	ug/L	2		U	
GW-AA-Q-1-120	7/30/2002	VOCs	Trichloroethene	ug/L	2	5	U	
GW-AA-Q-1-120	7/30/2002	VOCs	Vinyl chloride	ug/L	2.9	2		
GW-AA-Q-1-120	7/30/2002	VOCs	Xylenes, Total	ug/L	4	10000	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	7.4	600	J	
GW-AA-Q-1-120	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	6.1	75	J	
GW-AA-Q-1-120	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2-Chlorophenol	ug/L	10	35		
GW-AA-Q-1-120	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	1		J	
GW-AA-Q-1-120	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-120	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	1	0.3	J	
GW-AA-Q-1-120	7/30/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	1	0.43	J	
GW-AA-Q-1-120	7/30/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Naphthalene	ug/L	5.9	140	J	
GW-AA-Q-1-120	7/30/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-1-120	7/30/2002	SVOCs	P-Chloroaniline	ug/L	27	28		
GW-AA-Q-1-120	7/30/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Phenol	ug/L	3.4	100	J	
GW-AA-Q-1-120	7/30/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-120	7/30/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-1-120	7/30/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-1-120	7/30/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-120	7/30/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-1-120	7/30/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-120	7/30/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-120	7/30/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-1-120	7/30/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-1-120	7/30/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-120	7/30/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-120	7/30/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-120	7/30/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-1-120	7/30/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-120	7/30/2002	Herbicides	2,4,5-T	ug/L	0.5		U	UJ
GW-AA-Q-1-120	7/30/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	UJ
GW-AA-Q-1-120	7/30/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-Q-1-120	7/30/2002	Herbicides	2,4-DB	ug/L	0.5		U	UJ
GW-AA-Q-1-120	7/30/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-1-120	7/30/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-1-120	7/30/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-1-120	7/30/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-1-120	7/30/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-1-120	7/30/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	UJ
GW-AA-Q-1-120	7/30/2002	Metals	Aluminum	mg/l	30			J
GW-AA-Q-1-120	7/30/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-1-120	7/30/2002	Metals	Arsenic	mg/l	0.037	0.05		
GW-AA-Q-1-120	7/30/2002	Metals	Barium	mg/l	1.1	2		
GW-AA-Q-1-120	7/30/2002	Metals	Beryllium	mg/l	0.0019	0.004	B	
GW-AA-Q-1-120	7/30/2002	Metals	Cadmium	mg/l	0.00094	0.005	B	
GW-AA-Q-1-120	7/30/2002	Metals	Calcium	mg/l	300			
GW-AA-Q-1-120	7/30/2002	Metals	Chromium	mg/l	0.53	0.1		
GW-AA-Q-1-120	7/30/2002	Metals	Cobalt	mg/l	0.032	1		
GW-AA-Q-1-120	7/30/2002	Metals	Copper	mg/l	0.14	0.65		
GW-AA-Q-1-120	7/30/2002	Metals	Iron	mg/l	110	5		
GW-AA-Q-1-120	7/30/2002	Metals	Lead	mg/l	0.042	0.0075		
GW-AA-Q-1-120	7/30/2002	Metals	Magnesium	mg/l	81			
GW-AA-Q-1-120	7/30/2002	Metals	Manganese	mg/l	2.2	0.15		
GW-AA-Q-1-120	7/30/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-1-120	7/30/2002	Metals	Nickel	mg/l	0.13	0.1		
GW-AA-Q-1-120	7/30/2002	Metals	Potassium	mg/l	24			J
GW-AA-Q-1-120	7/30/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-1-120	7/30/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-1-120	7/30/2002	Metals	Sodium	mg/l	61			J
GW-AA-Q-1-120	7/30/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-1-120	7/30/2002	Metals	Vanadium	mg/l	0.079	0.049		
GW-AA-Q-1-120	7/30/2002	Metals	Zinc	mg/l	0.44	5		
GW-AA-Q-1-120	7/30/2002	Other	Alkalinity, Total (as CACO3)	mg/l	720			
GW-AA-Q-1-120	7/30/2002	Other	Carbon Dioxide	mg/l	15			
GW-AA-Q-1-120	7/30/2002	Other	Methane	ug/L	98			J
GW-AA-Q-1-120	7/30/2002	Other	Nitrate-N	mg/l	0.041	10	B	
GW-AA-Q-1-120	7/30/2002	Other	Sulfate as SO4	mg/l	160	400		
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	3.4	600	J	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2-Chlorophenol	ug/L	4	35	J	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Naphthalene	ug/L	2.1	140	J	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	P-Chloroaniline	ug/L	36	28		
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Phenol	ug/L	2.3	100	J	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-120-Filtered	7/30/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Barium	mg/l	0.53	2		
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Calcium	mg/l	260			
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Copper	mg/l	0.0013	0.65	B	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Iron	mg/l	15	5		
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Magnesium	mg/l	72			

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Manganese	mg/l	0.77	0.15		
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Nickel	mg/l	0.0068	0.1	B	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Potassium	mg/l	16			J
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Sodium	mg/l	63			J
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Vanadium	mg/l	0.0022	0.049	B	
GW-AA-Q-1-120-Filtered	7/30/2002	Metals	Zinc	mg/l	0.023	5		
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	2-Butanone (MEK)	ug/L	50		U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Acetone	ug/L	120	6300	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Benzene	ug/L	33	5		
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Bromoform	ug/L	5	1	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Bromomethane	ug/L	5	9.8	U	UJ
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Carbon Disulfide	ug/L	5	700	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Chlorobenzene	ug/L	850	100	D	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Chlorodibromomethane	ug/L	5	140	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Chloroethane	ug/L	5		U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Chloroform	ug/L	5	0.2	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Chloromethane	ug/L	5		U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Dichloromethane	ug/L	25	5	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Ethylbenzene	ug/L	6.9	700		
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Styrene (Monomer)	ug/L	5	100	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Tetrachloroethene	ug/L	5	5	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Toluene	ug/L	1.5	1000	J	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Trichloroethene	ug/L	5	5	U	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Vinyl chloride	ug/L	4.6	2	J	
GW-AA-Q-1-127 1/2	7/30/2002	VOCs	Xylenes, Total	ug/L	22	10000		
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	100	70	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	440	600		
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	19	75	J	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	100	700	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	100	10	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	100	21	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	100	140	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	500	14	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	100	0.02	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	100	0.31	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2-Chlorophenol	ug/L	100	35	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	100		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	100	350	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2-Nitroaniline	ug/L	500		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	2-Nitrophenol	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	200	20	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	3-Nitroaniline	ug/L	500		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	500		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	4-Nitrophenol	ug/L	500		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Acenaphthene	ug/L	100	420	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Acenaphthylene	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Anthracene	ug/L	100	2100	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	100	0.13	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	100	0.2	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	100	0.18	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	100	0.17	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	100	1400	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	100	10	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	100	6	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Carbazole	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Chrysene	ug/L	100	1.5	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	100	0.3	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Dibenzofuran	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	100	5600	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	100	700	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	100	140	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Dinoseb	ug/L	100	7	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Fluoranthene	ug/L	100	280	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Fluorene	ug/L	100	280	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	100	0.06	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	100	50	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Hexachloroethane	ug/L	100	7	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	100	0.43	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Isophorone	ug/L	100	1400	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Naphthalene	ug/L	100	140	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Nitrobenzene	ug/L	100	3.5	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	100	1.8	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	100	3.2	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	P-Chloroaniline	ug/L	2500	28	D	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Phenanthrene	ug/L	100		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Phenol	ug/L	100	100	U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	P-Nitroaniline	ug/L	500		U	
GW-AA-Q-1-127 1/2	7/30/2002	SVOCs	Pyrene	ug/L	100	210	U	
GW-AA-Q-1-127 1/2	7/30/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-1-127 1/2	7/30/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-127 1/2	7/30/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-1-127 1/2	7/30/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-127 1/2	7/30/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-127 1/2	7/30/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-1-127 1/2	7/30/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-1-127 1/2	7/30/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-127 1/2	7/30/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-127 1/2	7/30/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-127 1/2	7/30/2002	Pesticides	alpha-BHC	ug/L	0.056	0.11	P	J
GW-AA-Q-1-127 1/2	7/30/2002	Pesticides	Dieldrin	ug/L	0.076	9	JP	J
GW-AA-Q-1-127 1/2	7/30/2002	Herbicides	2,4,5-T	ug/L	0.5		U	UJ
GW-AA-Q-1-127 1/2	7/30/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	UJ
GW-AA-Q-1-127 1/2	7/30/2002	Herbicides	2,4-D	ug/L	2.2	70		
GW-AA-Q-1-127 1/2	7/30/2002	Herbicides	2,4-DB	ug/L	0.5		U	UJ
GW-AA-Q-1-127 1/2	7/30/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-1-127 1/2	7/30/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-1-127 1/2	7/30/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-1-127 1/2	7/30/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-1-127 1/2	7/30/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-1-127 1/2	7/30/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	UJ
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Aluminum	mg/l	21			J
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Arsenic	mg/l	0.031	0.05		
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Barium	mg/l	0.62	2		
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Beryllium	mg/l	0.0022	0.004	B	
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Cadmium	mg/l	0.0012	0.005	B	
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Calcium	mg/l	310			
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Chromium	mg/l	0.17	0.1		
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Cobalt	mg/l	0.021	1		
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Copper	mg/l	0.069	0.65		
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Iron	mg/l	81	5		
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Lead	mg/l	0.045	0.0075		
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Magnesium	mg/l	78			
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Manganese	mg/l	3.4	0.15		
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Nickel	mg/l	0.071	0.1		
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Potassium	mg/l	32			J
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Sodium	mg/l	66			J
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Vanadium	mg/l	0.067	0.049		
GW-AA-Q-1-127 1/2	7/30/2002	Metals	Zinc	mg/l	0.34	5		
GW-AA-Q-1-127 1/2	7/30/2002	Other	Alkalinity, Total (as CACO3)	mg/l	760			
GW-AA-Q-1-127 1/2	7/30/2002	Other	Carbon Dioxide	mg/l	24			
GW-AA-Q-1-127 1/2	7/30/2002	Other	Methane	ug/L	89			J
GW-AA-Q-1-127 1/2	7/30/2002	Other	Nitrate-N	mg/l	0.05	10	U	
GW-AA-Q-1-127 1/2	7/30/2002	Other	Sulfate as SO4	mg/l	190	400		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	2-Butanone (MEK)	ug/L	50		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Acetone	ug/L	120	6300	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Benzene	ug/L	33	5		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Bromoform	ug/L	5	1	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Bromomethane	ug/L	5	9.8	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Carbon Disulfide	ug/L	5	700	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Carbon Tetrachloride	ug/L	5	5	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Chlorobenzene	ug/L	1100	100	D	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Chlorodibromomethane	ug/L	5	140	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Chloroethane	ug/L	5		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Chloroform	ug/L	5	0.2	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Chloromethane	ug/L	2.7		J	J
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Dichloromethane	ug/L	25	5	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Ethylbenzene	ug/L	6.5	700		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Styrene (Monomer)	ug/L	5	100	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Tetrachloroethene	ug/L	5	5	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Toluene	ug/L	5	1000	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Trichloroethene	ug/L	5	5	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Vinyl chloride	ug/L	4.5	2	J	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	VOCs	Xylenes, Total	ug/L	17	10000		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	100	70	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	430	600		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	19	75	J	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	100	700	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	100	10	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	100	21	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	100	140	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	500	14	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	100	0.02	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	100	0.31	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2-Chlorophenol	ug/L	100	35	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	100	350	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2-Nitroaniline	ug/L	500		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	2-Nitrophenol	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	200	20	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	3-Nitroaniline	ug/L	500		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	500		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	4-Nitrophenol	ug/L	500		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Acenaphthene	ug/L	100	420	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Acenaphthylene	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Anthracene	ug/L	100	2100	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	100	0.13	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	100	0.2	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	100	0.18	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	100	0.17	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	100	1400	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	100	10	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	100	6	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Carbazole	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Chrysene	ug/L	100	1.5	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	100	0.3	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Dibenzofuran	ug/L	100		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	100	5600	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	100	700	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	100	140	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Dinoseb	ug/L	100	7	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Fluoranthene	ug/L	100	280	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Fluorene	ug/L	100	280	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	100	0.06	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	100	50	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Hexachloroethane	ug/L	100	7	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	100	0.43	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Isophorone	ug/L	100	1400	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Naphthalene	ug/L	100	140	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Nitrobenzene	ug/L	100	3.5	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	100	1.8	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	100	3.2	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	P-Chloroaniline	ug/L	3200	28		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Phenanthrene	ug/L	100		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Phenol	ug/L	100	100	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	P-Nitroaniline	ug/L	500		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	SVOCs	Pyrene	ug/L	100	210	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	alpha-BHC	ug/L	0.056	0.11		J
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Endosulfan II	ug/L	0.04	42	JP	J
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Endosulfan Sulfate	ug/L	0.051		J	J
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Endrin	ug/L	0.055	2	J	J
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Heptachlor Epoxide	ug/L	0.45	0.2	P	J
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Herbicides	2,4,5-T	ug/L	0.5		U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Herbicides	2,4-D	ug/L	2.6	70		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Herbicides	2,4-DB	ug/L	0.5		U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Herbicides	Dalapon	ug/L	120	200	U	

Analytical Results (Groundwater - DHU)
Sauget Area 2 - Remedial Investigation Report (2008)

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	UJ
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Aluminum	mg/l	23			
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Arsenic	mg/l	0.041	0.05		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Barium	mg/l	0.66	2		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Beryllium	mg/l	0.0024	0.004	B	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Cadmium	mg/l	0.0014	0.005	B	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Calcium	mg/l	310			
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Chromium	mg/l	0.18	0.1		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Cobalt	mg/l	0.025	1		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Copper	mg/l	0.078	0.65		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Iron	mg/l	91	5		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Lead	mg/l	0.053	0.0075		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Magnesium	mg/l	78			
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Manganese	mg/l	3.9	0.15		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Nickel	mg/l	0.079	0.1		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Potassium	mg/l	32			
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Selenium	mg/l	0.0056	0.05	B	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Sodium	mg/l	66			
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Vanadium	mg/l	0.075	0.049		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Metals	Zinc	mg/l	0.38	5		
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Other	Alkalinity, Total (as CACO3)	mg/l	740			
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Other	Carbon Dioxide	mg/l	20			
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Other	Methane	ug/L	110			J
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Other	Nitrate-N	mg/l	0.013	10	B	
GW-AA-Q-1-127 1/2-DUP	7/30/2002	Other	Sulfate as SO4	mg/l	190	400		
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	6.1	70	J	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	490	600	D	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	2.5		J	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	22	75		
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	12	21		
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2-Chlorophenol	ug/L	5.6	35	J	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Naphthalene	ug/L	3.1	140	J	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	P-Chloroaniline	ug/L	3500	28	D	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Phenol	ug/L	2	100	J	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Arsenic	mg/l	0.0087	0.05	B	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Barium	mg/l	0.26	2		
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Calcium	mg/l	260			
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Copper	mg/l	0.0012	0.65	B	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Iron	mg/l	13	5		
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Magnesium	mg/l	70			
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Manganese	mg/l	0.71	0.15		
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Nickel	mg/l	0.0073	0.1	B	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Potassium	mg/l	26			J
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Selenium	mg/l	0.01	0.05	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Sodium	mg/l	64			J
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Thallium	mg/l	0.0037	0.002	B	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Vanadium	mg/l	0.0028	0.049	B	
GW-AA-Q-1-127 1/2-Filtered	7/30/2002	Metals	Zinc	mg/l	0.023	5		
GW-AA-Q-2-80FT	7/18/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	1,1-Dichloroethane	ug/L	0.92	700	J	
GW-AA-Q-2-80FT	7/18/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	1,2-Dichloroethene (total)	ug/L	0.35		J	
GW-AA-Q-2-80FT	7/18/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Chlorobenzene	ug/L	16	100		
GW-AA-Q-2-80FT	7/18/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Chloromethane	ug/L	1		U	U
GW-AA-Q-2-80FT	7/18/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-2-80FT	7/18/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	U
GW-AA-Q-2-80FT	7/18/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	1,4-Dichlorobenzene	ug/L	6.8	75	J	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	19	10	B	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2,4-Dichlorophenol	ug/L	46	21	B	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2-Chlorophenol	ug/L	5	35	J	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-80FT	7/18/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Phenol	ug/L	10	100	U	U
GW-AA-Q-2-80FT	7/18/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-80FT	7/18/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-2-80FT	7/18/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-2-80FT	7/18/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-2-80FT	7/18/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-2-80FT	7/18/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-2-80FT	7/18/2002	PCBs	Monochlorobiphenyl	ug/L	0.038		J	
GW-AA-Q-2-80FT	7/18/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-2-80FT	7/18/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-2-80FT	7/18/2002	PCBs	Pentachlorobiphenyl	ug/L	0.054		J	
GW-AA-Q-2-80FT	7/18/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.19		J	
GW-AA-Q-2-80FT	7/18/2002	PCBs	Trichlorobiphenyl	ug/L	0.031		J	
GW-AA-Q-2-80FT	7/18/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-80FT	7/18/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-2-80FT	7/18/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-2-80FT	7/18/2002	Herbicides	2,4-D	ug/L	9.5	70	U	U
GW-AA-Q-2-80FT	7/18/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-Q-2-80FT	7/18/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-2-80FT	7/18/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-2-80FT	7/18/2002	Herbicides	Dichlorprop	ug/L	0.56		JP	J
GW-AA-Q-2-80FT	7/18/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	24		JP	J
GW-AA-Q-2-80FT	7/18/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-2-80FT	7/18/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	U
GW-AA-Q-2-80FT	7/18/2002	Metals	Aluminum	mg/l	0.86		E	J
GW-AA-Q-2-80FT	7/18/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-2-80FT	7/18/2002	Metals	Arsenic	mg/l	0.01	0.05	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Metals	Barium	mg/l	0.31	2		
GW-AA-Q-2-80FT	7/18/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-2-80FT	7/18/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-2-80FT	7/18/2002	Metals	Calcium	mg/l	210			
GW-AA-Q-2-80FT	7/18/2002	Metals	Chromium	mg/l	0.059	0.1		
GW-AA-Q-2-80FT	7/18/2002	Metals	Cobalt	mg/l	0.0011	1	B	
GW-AA-Q-2-80FT	7/18/2002	Metals	Copper	mg/l	0.02	0.65	U	U
GW-AA-Q-2-80FT	7/18/2002	Metals	Iron	mg/l	43	5		
GW-AA-Q-2-80FT	7/18/2002	Metals	Lead	mg/l	0.0026	0.0075	B	
GW-AA-Q-2-80FT	7/18/2002	Metals	Magnesium	mg/l	51			
GW-AA-Q-2-80FT	7/18/2002	Metals	Manganese	mg/l	3.3	0.15		
GW-AA-Q-2-80FT	7/18/2002	Metals	Mercury	mg/l	0.00048	2		
GW-AA-Q-2-80FT	7/18/2002	Metals	Nickel	mg/l	0.037	0.1	B	
GW-AA-Q-2-80FT	7/18/2002	Metals	Potassium	mg/l	11			
GW-AA-Q-2-80FT	7/18/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-2-80FT	7/18/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-2-80FT	7/18/2002	Metals	Sodium	mg/l	51			
GW-AA-Q-2-80FT	7/18/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-Q-2-80FT	7/18/2002	Metals	Vanadium	mg/l	0.0026	0.049	B	
GW-AA-Q-2-80FT	7/18/2002	Metals	Zinc	mg/l	0.061	5	E	J
GW-AA-Q-2-80FT	7/18/2002	Other	Alkalinity, Total (as CACO3)	mg/l	570			
GW-AA-Q-2-80FT	7/18/2002	Other	Carbon Dioxide	mg/l	79			
GW-AA-Q-2-80FT	7/18/2002	Other	Methane	ug/L	33			J
GW-AA-Q-2-80FT	7/18/2002	Other	Nitrate-N	mg/l	0.05	10	U	
GW-AA-Q-2-80FT	7/18/2002	Other	Sulfate as SO4	mg/l	190	400		
GW-AA-Q-2-90	7/19/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-2-90	7/19/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-2-90	7/19/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-2-90	7/19/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-90	7/19/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-2-90	7/19/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-2-90	7/19/2002	VOCs	1,2-Dichloroethene (total)	ug/L	0.65		J	
GW-AA-Q-2-90	7/19/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-2-90	7/19/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Carbon Disulfide	ug/L	0.73	700	J	
GW-AA-Q-2-90	7/19/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Chlorobenzene	ug/L	15	100	B	
GW-AA-Q-2-90	7/19/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-2-90	7/19/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-2-90	7/19/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-90	7/19/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Toluene	ug/L	0.54	1000	J	
GW-AA-Q-2-90	7/19/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-90	7/19/2002	VOCs	Trichloroethene	ug/L	1.1	5		U
GW-AA-Q-2-90	7/19/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-2-90	7/19/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	1,2-Dichlorobenzene	ug/L	2.6	600	J	
GW-AA-Q-2-90	7/19/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	1,4-Dichlorobenzene	ug/L	6.2	75	J	
GW-AA-Q-2-90	7/19/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	1.2	10	J	
GW-AA-Q-2-90	7/19/2002	SVOCs	2,4-Dichlorophenol	ug/L	5.6	21	J	
GW-AA-Q-2-90	7/19/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Anthracene	ug/L	10	2100	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-90	7/19/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	P-Chloroaniline	ug/L	3.9	28	J	
GW-AA-Q-2-90	7/19/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Phenol	ug/L	5.2	100	J	
GW-AA-Q-2-90	7/19/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-90	7/19/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-2-100	7/19/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-2-100	7/19/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-2-100	7/19/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-2-100	7/19/2002	VOCs	1,1-Dichloroethane	ug/L	0.53	700	J	
GW-AA-Q-2-100	7/19/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-2-100	7/19/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-2-100	7/19/2002	VOCs	1,2-Dichloroethene (total)	ug/L	0.54		J	
GW-AA-Q-2-100	7/19/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-2-100	7/19/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Carbon Disulfide	ug/L	0.32	700	J	
GW-AA-Q-2-100	7/19/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Chlorobenzene	ug/L	11	100	B	
GW-AA-Q-2-100	7/19/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-2-100	7/19/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Chloromethane	ug/L	1		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-100	7/19/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-100	7/19/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-2-100	7/19/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-100	7/19/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-2-100	7/19/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	1,2-Dichlorobenzene	ug/L	2.4	600	J	
GW-AA-Q-2-100	7/19/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	1,4-Dichlorobenzene	ug/L	5.3	75	J	
GW-AA-Q-2-100	7/19/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	1.1	10	J	
GW-AA-Q-2-100	7/19/2002	SVOCs	2,4-Dichlorophenol	ug/L	4.9	21	J	
GW-AA-Q-2-100	7/19/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Dinoseb	ug/L	10	7	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-100	7/19/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-2-100	7/19/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-100	7/19/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.000041		J	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.0000053		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000006		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.00000046		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000012		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000023		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.00000088		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000012		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.00000038		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.00000077		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.00000072		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.00000064		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000012		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.00000056		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000037		CON U	
GW-AA-Q-2-100	7/19/2002	Dioxins	OCDD	ug/L	0.00052			
GW-AA-Q-2-100	7/19/2002	Dioxins	OCDF	ug/L	0.000027		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	Total HpCDD	ug/L	0.000079			
GW-AA-Q-2-100	7/19/2002	Dioxins	Total HpCDF	ug/L	0.000017		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	Total HxCDD	ug/L	0.0000023		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	Total HxCDF	ug/L	0.0000061		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	Total PeCDD	ug/L	0.0000024		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	Total PeCDF	ug/L	0.0000046		U	
GW-AA-Q-2-100	7/19/2002	Dioxins	Total TCDD	ug/L	0.00005			
GW-AA-Q-2-100	7/19/2002	Dioxins	Total TCDF	ug/L	0.000015			
GW-AA-Q-2-110	7/31/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-2-110	7/31/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-2-110	7/31/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-2-110	7/31/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-2-110	7/31/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-2-110	7/31/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-2-110	7/31/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-2-110	7/31/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-2-110	7/31/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-2-110	7/31/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-2-110	7/31/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-2-110	7/31/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-2-110	7/31/2002	VOCs	Carbon Disulfide	ug/L	1.2	700		

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-110	7/31/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-2-110	7/31/2002	VOCs	Chlorobenzene	ug/L	2.5	100		
GW-AA-Q-2-110	7/31/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-2-110	7/31/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-2-110	7/31/2002	VOCs	Chloroform	ug/L	0.19	0.2	J	
GW-AA-Q-2-110	7/31/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-2-110	7/31/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-110	7/31/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-Q-2-110	7/31/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-2-110	7/31/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-2-110	7/31/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-2-110	7/31/2002	VOCs	Toluene	ug/L	0.29	1000	J	
GW-AA-Q-2-110	7/31/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-110	7/31/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-2-110	7/31/2002	VOCs	Vinyl chloride	ug/L	1.1	2		
GW-AA-Q-2-110	7/31/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-110	7/31/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-2-110	7/31/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-110	7/31/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Benzene	ug/L	0.26	5	J	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Carbon Disulfide	ug/L	2.2	700		
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Chlorobenzene	ug/L	2.8	100		
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Chloroform	ug/L	0.3	0.2	J	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Ethylbenzene	ug/L	1	700	U	U
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Toluene	ug/L	0.57	1000	J	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Vinyl chloride	ug/L	0.61	2	J	
GW-AA-Q-2-110-DUP	7/31/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	U
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	1,4-Dichlorobenzene	ug/L	1.5	75	J	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	4-Nitrophenol	ug/L	50		U	UJ
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	0.67		J	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	UJ
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	UJ
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	UJ
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-110-DUP	7/31/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-2-120	7/31/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-2-120	7/31/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-2-120	7/31/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-2-120	7/31/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-2-120	7/31/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-2-120	7/31/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-2-120	7/31/2002	VOCs	1,2-Dichloroethene (total)	ug/L	0.69		J	
GW-AA-Q-2-120	7/31/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-2-120	7/31/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	VOCs	Benzene	ug/L	0.19	5	J	
GW-AA-Q-2-120	7/31/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-2-120	7/31/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-2-120	7/31/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-2-120	7/31/2002	VOCs	Carbon Disulfide	ug/L	1	700		
GW-AA-Q-2-120	7/31/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-2-120	7/31/2002	VOCs	Chlorobenzene	ug/L	8.7	100		
GW-AA-Q-2-120	7/31/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-2-120	7/31/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-2-120	7/31/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-2-120	7/31/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-2-120	7/31/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-120	7/31/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-Q-2-120	7/31/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-2-120	7/31/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-2-120	7/31/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-2-120	7/31/2002	VOCs	Toluene	ug/L	0.75	1000	J	
GW-AA-Q-2-120	7/31/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-120	7/31/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-2-120	7/31/2002	VOCs	Vinyl chloride	ug/L	1.1	2		
GW-AA-Q-2-120	7/31/2002	VOCs	Xylenes, Total	ug/L	20	10000	U	U
GW-AA-Q-2-120	7/31/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	1,2-Dichlorobenzene	ug/L	2.3	600	J	
GW-AA-Q-2-120	7/31/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	1,4-Dichlorobenzene	ug/L	3.9	75	J	
GW-AA-Q-2-120	7/31/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	3-Nitroaniline	ug/L	50		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-120	7/31/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-2-120	7/31/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-120	7/31/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-2-120	7/31/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-2-120	7/31/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-2-120	7/31/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-2-120	7/31/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-2-120	7/31/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-2-120	7/31/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-2-120	7/31/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-2-120	7/31/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-2-120	7/31/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-2-120	7/31/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-2-120	7/31/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-120	7/31/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-2-120	7/31/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-2-120	7/31/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-2-120	7/31/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-2-120	7/31/2002	Herbicides	2,4-D	ug/L	0.58	70	U	U
GW-AA-Q-2-120	7/31/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-Q-2-120	7/31/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-2-120	7/31/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-2-120	7/31/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-2-120	7/31/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-2-120	7/31/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-2-120	7/31/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-Q-2-120	7/31/2002	Metals	Aluminum	mg/l	40			
GW-AA-Q-2-120	7/31/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-2-120	7/31/2002	Metals	Arsenic	mg/l	0.034	0.05		
GW-AA-Q-2-120	7/31/2002	Metals	Barium	mg/l	1.1	2		
GW-AA-Q-2-120	7/31/2002	Metals	Beryllium	mg/l	0.0023	0.004	B	
GW-AA-Q-2-120	7/31/2002	Metals	Cadmium	mg/l	0.00077	0.005	B	
GW-AA-Q-2-120	7/31/2002	Metals	Calcium	mg/l	360			
GW-AA-Q-2-120	7/31/2002	Metals	Chromium	mg/l	0.3	0.1		
GW-AA-Q-2-120	7/31/2002	Metals	Cobalt	mg/l	0.087	1		
GW-AA-Q-2-120	7/31/2002	Metals	Copper	mg/l	0.23	0.65		
GW-AA-Q-2-120	7/31/2002	Metals	Iron	mg/l	130	5		
GW-AA-Q-2-120	7/31/2002	Metals	Lead	mg/l	0.16	0.0075		
GW-AA-Q-2-120	7/31/2002	Metals	Magnesium	mg/l	110			
GW-AA-Q-2-120	7/31/2002	Metals	Manganese	mg/l	6.2	0.15		
GW-AA-Q-2-120	7/31/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-2-120	7/31/2002	Metals	Nickel	mg/l	0.19	0.1		
GW-AA-Q-2-120	7/31/2002	Metals	Potassium	mg/l	17			
GW-AA-Q-2-120	7/31/2002	Metals	Selenium	mg/l	0.0077	0.05	B	
GW-AA-Q-2-120	7/31/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-2-120	7/31/2002	Metals	Sodium	mg/l	34			
GW-AA-Q-2-120	7/31/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-2-120	7/31/2002	Metals	Vanadium	mg/l	0.14	0.049		
GW-AA-Q-2-120	7/31/2002	Metals	Zinc	mg/l	0.32	5		
GW-AA-Q-2-120	7/31/2002	Other	Alkalinity, Total (as CACO3)	mg/l	590			
GW-AA-Q-2-120	7/31/2002	Other	Carbon Dioxide	mg/l	69			
GW-AA-Q-2-120	7/31/2002	Other	Methane	ug/L	7.7			J
GW-AA-Q-2-120	7/31/2002	Other	Nitrate-N	mg/l	0.05	10	U	
GW-AA-Q-2-120	7/31/2002	Other	Sulfate as SO4	mg/l	160	400		
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	4-Nitrophenol	ug/L	50		U	UJ
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	UJ
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	UJ
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	UJ
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Phenol	ug/L	10	100	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-120-Filtered	7/31/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Barium	mg/l	0.52	2		
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Calcium	mg/l	170			
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Copper	mg/l	0.02	0.65	U	U
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Iron	mg/l	18	5		
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Magnesium	mg/l	49			
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Manganese	mg/l	0.55	0.15		
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Nickel	mg/l	0.0048	0.1	B	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Potassium	mg/l	9.2			
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Sodium	mg/l	29			
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Vanadium	mg/l	0.01	0.049	U	U
GW-AA-Q-2-120-Filtered	7/31/2002	Metals	Zinc	mg/l	0.011	5	B	
GW-AA-Q-2-130	8/1/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-2-130	8/1/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-2-130	8/1/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-2-130	8/1/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-2-130	8/1/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-2-130	8/1/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-2-130	8/1/2002	VOCs	1,2-Dichloroethene (total)	ug/L	0.36		J	
GW-AA-Q-2-130	8/1/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-2-130	8/1/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Benzene	ug/L	0.35	5	J	
GW-AA-Q-2-130	8/1/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-2-130	8/1/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Chlorobenzene	ug/L	9.3	100		
GW-AA-Q-2-130	8/1/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-2-130	8/1/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Chloromethane	ug/L	1		U	U
GW-AA-Q-2-130	8/1/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-130	8/1/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-2-130	8/1/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-2-130	8/1/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-2-130	8/1/2002	VOCs	Vinyl chloride	ug/L	0.87	2	J	
GW-AA-Q-2-130	8/1/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-130	8/1/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-130	8/1/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-2-130	8/1/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-130	8/1/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-2-130B	8/1/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-2-130B	8/1/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-2-130B	8/1/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-2-130B	8/1/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-2-130B	8/1/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-2-130B	8/1/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-2-130B	8/1/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-2-130B	8/1/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-2-130B	8/1/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-2-130B	8/1/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-2-130B	8/1/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Endrin	ug/L	0.1	2	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-Q-2-130B	8/1/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-Q-2-130B	8/1/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-2-130B	8/1/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-2-130B	8/1/2002	Herbicides	2,4-D	ug/L	1.5	70	U	U
GW-AA-Q-2-130B	8/1/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-Q-2-130B	8/1/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-2-130B	8/1/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-2-130B	8/1/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-2-130B	8/1/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-2-130B	8/1/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-2-130B	8/1/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.00000068		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.00000068		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.00000085		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000014		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.00000082		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000012		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.00000072		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000012		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000009		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.00000075		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-130B	8/1/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000012		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.00000083		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.00000072		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.00000064		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000012		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	OCDD	ug/L	0.0000045		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	OCDF	ug/L	0.0000012		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	Total HpCDD	ug/L	0.00000068		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	Total HpCDF	ug/L	0.00000085		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	Total HxCDD	ug/L	0.0000014		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	Total HxCDF	ug/L	0.0000009		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	Total PeCDD	ug/L	0.0000061		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	Total PeCDF	ug/L	0.0000013		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	Total TCDD	ug/L	0.00000066		U	
GW-AA-Q-2-130B	8/1/2002	Dioxins	Total TCDF	ug/L	0.0000012		U	
GW-AA-Q-2-130B	8/1/2002	Metals	Aluminum	mg/l	0.76			
GW-AA-Q-2-130B	8/1/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-2-130B	8/1/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-2-130B	8/1/2002	Metals	Barium	mg/l	0.41	2		
GW-AA-Q-2-130B	8/1/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-2-130B	8/1/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-2-130B	8/1/2002	Metals	Calcium	mg/l	200			
GW-AA-Q-2-130B	8/1/2002	Metals	Chromium	mg/l	0.0063	0.1	B	
GW-AA-Q-2-130B	8/1/2002	Metals	Cobalt	mg/l	0.0014	1	B	
GW-AA-Q-2-130B	8/1/2002	Metals	Copper	mg/l	0.0062	0.65	B	
GW-AA-Q-2-130B	8/1/2002	Metals	Iron	mg/l	15	5		
GW-AA-Q-2-130B	8/1/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-2-130B	8/1/2002	Metals	Magnesium	mg/l	55			
GW-AA-Q-2-130B	8/1/2002	Metals	Manganese	mg/l	0.41	0.15		
GW-AA-Q-2-130B	8/1/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-2-130B	8/1/2002	Metals	Nickel	mg/l	0.005	0.1	B	
GW-AA-Q-2-130B	8/1/2002	Metals	Potassium	mg/l	8.6			
GW-AA-Q-2-130B	8/1/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-2-130B	8/1/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-2-130B	8/1/2002	Metals	Sodium	mg/l	35			
GW-AA-Q-2-130B	8/1/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-2-130B	8/1/2002	Metals	Vanadium	mg/l	0.0051	0.049	B	
GW-AA-Q-2-130B	8/1/2002	Metals	Zinc	mg/l	0.012	5	B	
GW-AA-Q-2-130B	8/1/2002	Other	Alkalinity, Total (as CACO3)	mg/l	490			
GW-AA-Q-2-130B	8/1/2002	Other	Carbon Dioxide	mg/l	44			
GW-AA-Q-2-130B	8/1/2002	Other	Methane	ug/L	12			J
GW-AA-Q-2-130B	8/1/2002	Other	Nitrate-N	mg/l	0.021	10	B	
GW-AA-Q-2-130B	8/1/2002	Other	Sulfate as SO4	mg/l	180	400		
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-2-130B-Filtered	8/1/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Barium	mg/l	0.37	2		
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Calcium	mg/l	170			
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Chromium	mg/l	0.01	0.1	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Copper	mg/l	0.001	0.65	B	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Iron	mg/l	11	5		
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Magnesium	mg/l	48			
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Manganese	mg/l	0.32	0.15		
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Nickel	mg/l	0.04	0.1	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Potassium	mg/l	7.9			
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Sodium	mg/l	31			
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Vanadium	mg/l	0.002	0.049	B	
GW-AA-Q-2-130B-Filtered	8/1/2002	Metals	Zinc	mg/l	0.0034	5	B	
GW-AA-Q-3-80	7/22/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-3-80	7/22/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-3-80	7/22/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-3-80	7/22/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-3-80	7/22/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-3-80	7/22/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-3-80	7/22/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-3-80	7/22/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-3-80	7/22/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Chlorobenzene	ug/L	13	100		
GW-AA-Q-3-80	7/22/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-3-80	7/22/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-3-80	7/22/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-80	7/22/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-Q-3-80	7/22/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-3-80	7/22/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-80	7/22/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-3-80	7/22/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	1,2-Dichlorobenzene	ug/L	1.2	600	J	
GW-AA-Q-3-80	7/22/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	1,4-Dichlorobenzene	ug/L	3.4	75	J	
GW-AA-Q-3-80	7/22/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	1.8	10	J	
GW-AA-Q-3-80	7/22/2002	SVOCs	2,4-Dichlorophenol	ug/L	5.2	21	J	
GW-AA-Q-3-80	7/22/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-80	7/22/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	UJ
GW-AA-Q-3-80	7/22/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	3-Nitroaniline	ug/L	50		U	UJ
GW-AA-Q-3-80	7/22/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	0.68		J	
GW-AA-Q-3-80	7/22/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	P-Chloroaniline	ug/L	8.3	28	J	
GW-AA-Q-3-80	7/22/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-3-80	7/22/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-3-80	7/22/2002	SVOCs	P-Nitroaniline	ug/L	50		U	UJ
GW-AA-Q-3-80	7/22/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-3-80	7/22/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-3-80	7/22/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-3-80	7/22/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-3-80	7/22/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-3-80	7/22/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-80	7/22/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-3-80	7/22/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-3-80	7/22/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-3-80	7/22/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-3-80	7/22/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-3-80	7/22/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Endrin Ketone	ug/L	0.018		JP	J
GW-AA-Q-3-80	7/22/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-3-80	7/22/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-3-80	7/22/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-3-80	7/22/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-3-80	7/22/2002	Herbicides	2,4-D	ug/L	1.8	70	P	J
GW-AA-Q-3-80	7/22/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-3-80	7/22/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-3-80	7/22/2002	Herbicides	MCPP	ug/L	11		JP	J
GW-AA-Q-3-80	7/22/2002	Herbicides	Pentachlorophenol	ug/L	0.18	1	JP	J
GW-AA-Q-3-80	7/22/2002	Metals	Aluminum	mg/l	4.7			
GW-AA-Q-3-80	7/22/2002	Metals	Antimony	mg/l	0.02	0.006	U	U
GW-AA-Q-3-80	7/22/2002	Metals	Arsenic	mg/l	0.01	0.05	U	U
GW-AA-Q-3-80	7/22/2002	Metals	Barium	mg/l	0.48	2		
GW-AA-Q-3-80	7/22/2002	Metals	Beryllium	mg/l	0.00027	0.004	B	
GW-AA-Q-3-80	7/22/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-3-80	7/22/2002	Metals	Calcium	mg/l	160			
GW-AA-Q-3-80	7/22/2002	Metals	Chromium	mg/l	0.03	0.1		
GW-AA-Q-3-80	7/22/2002	Metals	Cobalt	mg/l	0.01	1	U	U
GW-AA-Q-3-80	7/22/2002	Metals	Copper	mg/l	0.011	0.65	B	
GW-AA-Q-3-80	7/22/2002	Metals	Iron	mg/l	31	5		
GW-AA-Q-3-80	7/22/2002	Metals	Lead	mg/l	0.0028	0.0075	B	
GW-AA-Q-3-80	7/22/2002	Metals	Magnesium	mg/l	45			
GW-AA-Q-3-80	7/22/2002	Metals	Manganese	mg/l	1.1	0.15		
GW-AA-Q-3-80	7/22/2002	Metals	Mercury	mg/l	0.00053	2		J
GW-AA-Q-3-80	7/22/2002	Metals	Nickel	mg/l	0.018	0.1	B	
GW-AA-Q-3-80	7/22/2002	Metals	Potassium	mg/l	9.8		N	J
GW-AA-Q-3-80	7/22/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-3-80	7/22/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-3-80	7/22/2002	Metals	Sodium	mg/l	21			
GW-AA-Q-3-80	7/22/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-3-80	7/22/2002	Metals	Vanadium	mg/l	0.012	0.049		
GW-AA-Q-3-80	7/22/2002	Metals	Zinc	mg/l	0.063	5		
GW-AA-Q-3-80	7/22/2002	Other	Alkalinity, Total (as CACO3)	mg/l	560			
GW-AA-Q-3-80	7/22/2002	Other	Carbon Dioxide	mg/l	65			

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-80	7/22/2002	Other	Methane	ug/L	43			J
GW-AA-Q-3-80	7/22/2002	Other	Nitrate-N	mg/l	0.05	10	U	UJ
GW-AA-Q-3-80	7/22/2002	Other	Sulfate as SO4	mg/l	40	400		
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Chlorobenzene	ug/L	12	100		
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Dichloromethane	ug/L	5	5	U	U
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-3-80-DUP	7/22/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	1,4-Dichlorobenzene	ug/L	3.3	75	J	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	1.7	10	J	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2,4-Dichlorophenol	ug/L	5.4	21	J	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	3-Nitroaniline	ug/L	50		U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	P-Chloroaniline	ug/L	3.2	28	J	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	P-Nitroaniline	ug/L	50		U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-3-80-DUP	7/22/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-3-80-DUP	7/22/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-3-80-DUP	7/22/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-3-80-DUP	7/22/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-3-80-DUP	7/22/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-3-80-DUP	7/22/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-3-80-DUP	7/22/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-3-80-DUP	7/22/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-3-80-DUP	7/22/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-3-80-DUP	7/22/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Endrin Ketone	ug/L	0.021		JP	J
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-3-80-DUP	7/22/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-3-80-DUP	7/22/2002	Herbicides	2,4-D	ug/L	2.6	70		J
GW-AA-Q-3-80-DUP	7/22/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-3-80-DUP	7/22/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-3-80-DUP	7/22/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-3-80-DUP	7/22/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Aluminum	mg/l	4.5			
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Arsenic	mg/l	0.01	0.05	U	U
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Barium	mg/l	0.47	2		
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Beryllium	mg/l	0.00023	0.004	B	
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Calcium	mg/l	160			
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Chromium	mg/l	0.03	0.1		
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Cobalt	mg/l	0.01	1	U	U
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Copper	mg/l	0.011	0.65	B	
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Iron	mg/l	31	5		
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Magnesium	mg/l	45			
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Manganese	mg/l	1.1	0.15		
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Mercury	mg/l	0.0002	2	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Nickel	mg/l	0.018	0.1	B	
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Potassium	mg/l	9.8		N	J
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Sodium	mg/l	21			
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Vanadium	mg/l	0.01	0.049		
GW-AA-Q-3-80-DUP	7/22/2002	Metals	Zinc	mg/l	0.063	5		
GW-AA-Q-3-80-DUP	7/22/2002	Other	Alkalinity, Total (as CACO3)	mg/l	590			
GW-AA-Q-3-80-DUP	7/22/2002	Other	Carbon Dioxide	mg/l	41			
GW-AA-Q-3-80-DUP	7/22/2002	Other	Methane	ug/L	24			J
GW-AA-Q-3-80-DUP	7/22/2002	Other	Nitrate-N	mg/l	0.05	10	U	UJ
GW-AA-Q-3-80-DUP	7/22/2002	Other	Sulfate as SO4	mg/l	41	400		
GW-AA-Q-3-90	8/2/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-3-90	8/2/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-3-90	8/2/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-3-90	8/2/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-3-90	8/2/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-3-90	8/2/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-3-90	8/2/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-3-90	8/2/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-3-90	8/2/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-90	8/2/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-3-90	8/2/2002	VOCs	Carbon Disulfide	ug/L	0.3	700	J	
GW-AA-Q-3-90	8/2/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Chlorobenzene	ug/L	2.3	100		
GW-AA-Q-3-90	8/2/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-3-90	8/2/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Chloromethane	ug/L	0.31		J	J
GW-AA-Q-3-90	8/2/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-90	8/2/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-3-90	8/2/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-90	8/2/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-3-90	8/2/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	1,4-Dichlorobenzene	ug/L	1.7	75	J	
GW-AA-Q-3-90	8/2/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-90	8/2/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-3-90	8/2/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-90	8/2/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-3-100	8/2/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-3-100	8/2/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-3-100	8/2/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-3-100	8/2/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-3-100	8/2/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-3-100	8/2/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-3-100	8/2/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-3-100	8/2/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-3-100	8/2/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-3-100	8/2/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Chlorobenzene	ug/L	2.5	100		
GW-AA-Q-3-100	8/2/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-3-100	8/2/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-3-100	8/2/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-100	8/2/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-100	8/2/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-3-100	8/2/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-100	8/2/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-3-100	8/2/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	1,4-Dichlorobenzene	ug/L	1.4	75	J	
GW-AA-Q-3-100	8/2/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-100	8/2/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-3-100	8/2/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-100	8/2/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-3-110	8/5/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-3-110	8/5/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-3-110	8/5/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-3-110	8/5/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-3-110	8/5/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-3-110	8/5/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-3-110	8/5/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-3-110	8/5/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-3-110	8/5/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Bromomethane	ug/L	1	9.8	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Chlorobenzene	ug/L	1.6	100		
GW-AA-Q-3-110	8/5/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-3-110	8/5/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-3-110	8/5/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-110	8/5/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-3-110	8/5/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-110	8/5/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-3-110	8/5/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-110	8/5/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-3-110	8/5/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-110	8/5/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-3-120	8/5/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-3-120	8/5/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-3-120	8/5/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-3-120	8/5/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-3-120	8/5/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-120	8/5/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-3-120	8/5/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-3-120	8/5/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-3-120	8/5/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-3-120	8/5/2002	VOCs	Carbon Disulfide	ug/L	0.34	700	J	
GW-AA-Q-3-120	8/5/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Chlorobenzene	ug/L	2.2	100		
GW-AA-Q-3-120	8/5/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-3-120	8/5/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Chloromethane	ug/L	0.3		J	J
GW-AA-Q-3-120	8/5/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-120	8/5/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-3-120	8/5/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-3-120	8/5/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-3-120	8/5/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	1,4-Dichlorobenzene	ug/L	1.5	75	J	
GW-AA-Q-3-120	8/5/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-120	8/5/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-3-120	8/5/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-120	8/5/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-3-120	8/5/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-3-120	8/5/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-3-120	8/5/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-3-120	8/5/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-3-120	8/5/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-3-120	8/5/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-3-120	8/5/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-3-120	8/5/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-3-120	8/5/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-3-120	8/5/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-3-120	8/5/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-Q-3-120	8/5/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-3-120	8/5/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	
GW-AA-Q-3-120	8/5/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-Q-3-120	8/5/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	
GW-AA-Q-3-120	8/5/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	
GW-AA-Q-3-120	8/5/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-Q-3-120	8/5/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-Q-3-120	8/5/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-3-120	8/5/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	
GW-AA-Q-3-120	8/5/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-Q-3-120	8/5/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	
GW-AA-Q-3-120	8/5/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-3-120	8/5/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-120	8/5/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-Q-3-120	8/5/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-Q-3-120	8/5/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-Q-3-120	8/5/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	
GW-AA-Q-3-120	8/5/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-Q-3-120	8/5/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-Q-3-120	8/5/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-Q-3-120	8/5/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-3-120	8/5/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-3-120	8/5/2002	Herbicides	2,4-D	ug/L	1	70		
GW-AA-Q-3-120	8/5/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-Q-3-120	8/5/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-3-120	8/5/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-3-120	8/5/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-3-120	8/5/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-3-120	8/5/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-3-120	8/5/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-Q-3-120	8/5/2002	Metals	Aluminum	mg/l	8.3			
GW-AA-Q-3-120	8/5/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-3-120	8/5/2002	Metals	Arsenic	mg/l	0.0073	0.05	B	
GW-AA-Q-3-120	8/5/2002	Metals	Barium	mg/l	0.41	2		
GW-AA-Q-3-120	8/5/2002	Metals	Beryllium	mg/l	0.00041	0.004	B	
GW-AA-Q-3-120	8/5/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-3-120	8/5/2002	Metals	Calcium	mg/l	180			
GW-AA-Q-3-120	8/5/2002	Metals	Chromium	mg/l	0.22	0.1		
GW-AA-Q-3-120	8/5/2002	Metals	Cobalt	mg/l	0.007	1	B	
GW-AA-Q-3-120	8/5/2002	Metals	Copper	mg/l	0.1	0.65		
GW-AA-Q-3-120	8/5/2002	Metals	Iron	mg/l	64	5		
GW-AA-Q-3-120	8/5/2002	Metals	Lead	mg/l	0.0093	0.0075		
GW-AA-Q-3-120	8/5/2002	Metals	Magnesium	mg/l	46			
GW-AA-Q-3-120	8/5/2002	Metals	Manganese	mg/l	0.94	0.15		
GW-AA-Q-3-120	8/5/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-3-120	8/5/2002	Metals	Nickel	mg/l	0.048	0.1		
GW-AA-Q-3-120	8/5/2002	Metals	Potassium	mg/l	11			
GW-AA-Q-3-120	8/5/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-3-120	8/5/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-3-120	8/5/2002	Metals	Sodium	mg/l	22			
GW-AA-Q-3-120	8/5/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-Q-3-120	8/5/2002	Metals	Vanadium	mg/l	0.021	0.049		
GW-AA-Q-3-120	8/5/2002	Metals	Zinc	mg/l	0.35	5		
GW-AA-Q-3-120	8/5/2002	Other	Alkalinity, Total (as CACO3)	mg/l	540			
GW-AA-Q-3-120	8/5/2002	Other	Carbon Dioxide	mg/l	44			
GW-AA-Q-3-120	8/5/2002	Other	Methane	ug/L	63			J
GW-AA-Q-3-120	8/5/2002	Other	Nitrate-N	mg/l	0.05	10	U	
GW-AA-Q-3-120	8/5/2002	Other	Sulfate as SO4	mg/l	54	400		
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-3-120 Filtered	8/5/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Aluminum	mg/l	0.2			U
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Barium	mg/l	0.26	2		
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Cadmium	mg/l	0.005	0.005	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Calcium	mg/l	150			
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Copper	mg/l	0.0011	0.65	B	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Iron	mg/l	18	5		
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Magnesium	mg/l	44			
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Manganese	mg/l	0.41	0.15		
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Nickel	mg/l	0.005	0.1	B	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Potassium	mg/l	8.4			
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Sodium	mg/l	21			
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Vanadium	mg/l	0.01	0.049		U
GW-AA-Q-3-120 Filtered	8/5/2002	Metals	Zinc	mg/l	0.028	5		
GW-AA-Q-4-80	7/23/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-4-80	7/23/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-4-80	7/23/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-4-80	7/23/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-4-80	7/23/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-4-80	7/23/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-4-80	7/23/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-4-80	7/23/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-4-80	7/23/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Benzene	ug/L	0.38	5	J	
GW-AA-Q-4-80	7/23/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-4-80	7/23/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Chlorobenzene	ug/L	45	100		
GW-AA-Q-4-80	7/23/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-4-80	7/23/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-4-80	7/23/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-4-80	7/23/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Ethylbenzene	ug/L	0.9	700	J	
GW-AA-Q-4-80	7/23/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Toluene	ug/L	0.32	1000	J	
GW-AA-Q-4-80	7/23/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-4-80	7/23/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-4-80	7/23/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2,4-Dichlorophenol	ug/L	2.1	21	J	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-80	7/23/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	0.87	6	J	J
GW-AA-Q-4-80	7/23/2002	SVOCs	Chrysene	ug/L	10	1.5	U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	Dinoseb	ug/L	10	7	U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	UJ
GW-AA-Q-4-80	7/23/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-4-80	7/23/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-80	7/23/2002	SVOCs	Pyrene	ug/L	10	210	U	UJ
GW-AA-Q-4-80	7/23/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-4-80	7/23/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-4-80	7/23/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-4-80	7/23/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-4-80	7/23/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-4-80	7/23/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-80	7/23/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-4-80	7/23/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-4-80	7/23/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-4-80	7/23/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-4-80	7/23/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	beta-BHC	ug/L	0.027		JP	J
GW-AA-Q-4-80	7/23/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	Heptachlor Epoxide	ug/L	0.0056	0.2	JP	J
GW-AA-Q-4-80	7/23/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-4-80	7/23/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-4-80	7/23/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-4-80	7/23/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-4-80	7/23/2002	Herbicides	2,4-D	ug/L	1.2	70		J
GW-AA-Q-4-80	7/23/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-4-80	7/23/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-4-80	7/23/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-4-80	7/23/2002	Herbicides	Pentachlorophenol	ug/L	0.41	1	JP	J
GW-AA-Q-4-80	7/23/2002	Metals	Aluminum	mg/l	5.3			
GW-AA-Q-4-80	7/23/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-4-80	7/23/2002	Metals	Arsenic	mg/l	0.015	0.05		
GW-AA-Q-4-80	7/23/2002	Metals	Barium	mg/l	0.82	2		
GW-AA-Q-4-80	7/23/2002	Metals	Beryllium	mg/l	0.00036	0.004	B	
GW-AA-Q-4-80	7/23/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-4-80	7/23/2002	Metals	Calcium	mg/l	170			
GW-AA-Q-4-80	7/23/2002	Metals	Chromium	mg/l	0.055	0.1		
GW-AA-Q-4-80	7/23/2002	Metals	Cobalt	mg/l	0.0062	1	B	
GW-AA-Q-4-80	7/23/2002	Metals	Copper	mg/l	0.018	0.65	B	
GW-AA-Q-4-80	7/23/2002	Metals	Iron	mg/l	39	5		
GW-AA-Q-4-80	7/23/2002	Metals	Lead	mg/l	0.0099	0.0075		
GW-AA-Q-4-80	7/23/2002	Metals	Magnesium	mg/l	41			
GW-AA-Q-4-80	7/23/2002	Metals	Manganese	mg/l	1.4	0.15		
GW-AA-Q-4-80	7/23/2002	Metals	Mercury	mg/l	0.00018	2	B	J
GW-AA-Q-4-80	7/23/2002	Metals	Nickel	mg/l	0.039	0.1	B	
GW-AA-Q-4-80	7/23/2002	Metals	Potassium	mg/l	9.4		N	J
GW-AA-Q-4-80	7/23/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-4-80	7/23/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-4-80	7/23/2002	Metals	Sodium	mg/l	39			
GW-AA-Q-4-80	7/23/2002	Metals	Thallium	mg/l	0.01	0.002	U	U
GW-AA-Q-4-80	7/23/2002	Metals	Vanadium	mg/l	0.016	0.049		
GW-AA-Q-4-80	7/23/2002	Metals	Zinc	mg/l	0.12	5		
GW-AA-Q-4-80	7/23/2002	Other	Alkalinity, Total (as CACO3)	mg/l	610			
GW-AA-Q-4-80	7/23/2002	Other	Carbon Dioxide	mg/l	20			
GW-AA-Q-4-80	7/23/2002	Other	Methane	ug/L	690			J
GW-AA-Q-4-80	7/23/2002	Other	Nitrate-N	mg/l	0.026	10	B	J

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-80	7/23/2002	Other	Sulfate as SO4	mg/l	5	400	U	
GW-AA-Q-4-90	7/23/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-4-90	7/23/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-4-90	7/23/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-4-90	7/23/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-4-90	7/23/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-4-90	7/23/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-4-90	7/23/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-4-90	7/23/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-4-90	7/23/2002	VOCs	2-Butanone (MEK)	ug/L	1.8		J	
GW-AA-Q-4-90	7/23/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-4-90	7/23/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Chlorobenzene	ug/L	52	100		
GW-AA-Q-4-90	7/23/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-4-90	7/23/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-4-90	7/23/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-4-90	7/23/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-4-90	7/23/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-4-90	7/23/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-4-90	7/23/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2,4-Dichlorophenol	ug/L	2.4	21	J	
GW-AA-Q-4-90	7/23/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-Q-4-90	7/23/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2-Chlorophenol	ug/L	1.8	35	J	
GW-AA-Q-4-90	7/23/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-90	7/23/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-4-90	7/23/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-90	7/23/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-4-100	8/6/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-4-100	8/6/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-4-100	8/6/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-4-100	8/6/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-4-100	8/6/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-4-100	8/6/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-4-100	8/6/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-4-100	8/6/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-4-100	8/6/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-4-100	8/6/2002	VOCs	Carbon Disulfide	ug/L	2.2	700		
GW-AA-Q-4-100	8/6/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Chlorobenzene	ug/L	7.7	100		
GW-AA-Q-4-100	8/6/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-4-100	8/6/2002	VOCs	Chloroform	ug/L	1	0.2	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-100	8/6/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-4-100	8/6/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-4-100	8/6/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-4-100	8/6/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-4-100	8/6/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-4-100	8/6/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-100	8/6/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-4-100	8/6/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-100	8/6/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Benzene	ug/L	0.18	5	J	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Carbon Disulfide	ug/L	2.5	700		
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Chlorobenzene	ug/L	6.2	100		
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-4-100-DUP	8/6/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	P-Nitroaniline	ug/L	50		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-100-DUP	8/6/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-4-110	8/6/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-4-110	8/6/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-4-110	8/6/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-4-110	8/6/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-4-110	8/6/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-4-110	8/6/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-4-110	8/6/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-4-110	8/6/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-4-110	8/6/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-4-110	8/6/2002	VOCs	Carbon Disulfide	ug/L	0.33	700	J	
GW-AA-Q-4-110	8/6/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Chlorobenzene	ug/L	1.3	100		
GW-AA-Q-4-110	8/6/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-4-110	8/6/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-4-110	8/6/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-4-110	8/6/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-4-110	8/6/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-4-110	8/6/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-4-110	8/6/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-110	8/6/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-4-110	8/6/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-110	8/6/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-4-110	8/6/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-4-110	8/6/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-4-110	8/6/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-4-110	8/6/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-4-110	8/6/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-4-110	8/6/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-4-110	8/6/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-4-110	8/6/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-4-110	8/6/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-4-110	8/6/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-4-110	8/6/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	beta-BHC	ug/L	0.0093		J	J
GW-AA-Q-4-110	8/6/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-110	8/6/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	Heptachlor	ug/L	0.0043	0.4	JP	J
GW-AA-Q-4-110	8/6/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-4-110	8/6/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-4-110	8/6/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-4-110	8/6/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-4-110	8/6/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-Q-4-110	8/6/2002	Herbicides	2,4-DB	ug/L	0.5		U	UJ
GW-AA-Q-4-110	8/6/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-4-110	8/6/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-4-110	8/6/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-4-110	8/6/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-4-110	8/6/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-4-110	8/6/2002	Herbicides	Pentachlorophenol	ug/L	0.49	1	J	
GW-AA-Q-4-110	8/6/2002	Metals	Aluminum	mg/l	93			
GW-AA-Q-4-110	8/6/2002	Metals	Antimony	mg/l	0.0061	0.006	B	J
GW-AA-Q-4-110	8/6/2002	Metals	Arsenic	mg/l	0.047	0.05		
GW-AA-Q-4-110	8/6/2002	Metals	Barium	mg/l	1.3	2		
GW-AA-Q-4-110	8/6/2002	Metals	Beryllium	mg/l	0.0048	0.004		
GW-AA-Q-4-110	8/6/2002	Metals	Cadmium	mg/l	0.0013	0.005	B	J
GW-AA-Q-4-110	8/6/2002	Metals	Calcium	mg/l	260			
GW-AA-Q-4-110	8/6/2002	Metals	Chromium	mg/l	0.28	0.1		
GW-AA-Q-4-110	8/6/2002	Metals	Cobalt	mg/l	0.087	1		
GW-AA-Q-4-110	8/6/2002	Metals	Copper	mg/l	0.15	0.65		
GW-AA-Q-4-110	8/6/2002	Metals	Iron	mg/l	190	5		
GW-AA-Q-4-110	8/6/2002	Metals	Lead	mg/l	0.11	0.0075		
GW-AA-Q-4-110	8/6/2002	Metals	Magnesium	mg/l	85			
GW-AA-Q-4-110	8/6/2002	Metals	Manganese	mg/l	24	0.15		
GW-AA-Q-4-110	8/6/2002	Metals	Mercury	mg/l	0.000084	2	B	
GW-AA-Q-4-110	8/6/2002	Metals	Nickel	mg/l	0.2	0.1		
GW-AA-Q-4-110	8/6/2002	Metals	Potassium	mg/l	26			
GW-AA-Q-4-110	8/6/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-4-110	8/6/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-4-110	8/6/2002	Metals	Sodium	mg/l	20			
GW-AA-Q-4-110	8/6/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-4-110	8/6/2002	Metals	Vanadium	mg/l	0.3	0.049		
GW-AA-Q-4-110	8/6/2002	Metals	Zinc	mg/l	0.37	5	E	J
GW-AA-Q-4-110	8/6/2002	Other	Alkalinity, Total (as CACO3)	mg/l	670			
GW-AA-Q-4-110	8/6/2002	Other	Carbon Dioxide	mg/l	57			
GW-AA-Q-4-110	8/6/2002	Other	Methane	ug/L	29			J
GW-AA-Q-4-110	8/6/2002	Other	Nitrate-N	mg/l	0.05	10	U	
GW-AA-Q-4-110	8/6/2002	Other	Sulfate as SO4	mg/l	61	400		
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-4-110 Filtered	8/6/2002	SVOCs	Pyrene	ug/L	10	210	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Barium	mg/l	0.56	2		
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Calcium	mg/l	130			
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Copper	mg/l	0.00088	0.65	B	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Iron	mg/l	21	5		
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Magnesium	mg/l	41			
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Manganese	mg/l	0.79	0.15		
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Nickel	mg/l	0.04	0.1	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Potassium	mg/l	11			
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Sodium	mg/l	19			
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Thallium	mg/l	0.01	0.002	U	UJ
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Vanadium	mg/l	0.0015	0.049	B	
GW-AA-Q-4-110 Filtered	8/6/2002	Metals	Zinc	mg/l	0.01	5	BE	J
GW-AA-Q-5-85	8/8/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-5-85	8/8/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	0.37		J	
GW-AA-Q-5-85	8/8/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-5-85	8/8/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-5-85	8/8/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-5-85	8/8/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-5-85	8/8/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-5-85	8/8/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-5-85	8/8/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	1.7		J	
GW-AA-Q-5-85	8/8/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Benzene	ug/L	15	5		
GW-AA-Q-5-85	8/8/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-5-85	8/8/2002	VOCs	Carbon Disulfide	ug/L	0.38	700	J	
GW-AA-Q-5-85	8/8/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Chlorobenzene	ug/L	16	100		
GW-AA-Q-5-85	8/8/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-5-85	8/8/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Chloromethane	ug/L	1		U	U
GW-AA-Q-5-85	8/8/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-5-85	8/8/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Ethylbenzene	ug/L	1.1	700		
GW-AA-Q-5-85	8/8/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Toluene	ug/L	1.2	1000		
GW-AA-Q-5-85	8/8/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-5-85	8/8/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-5-85	8/8/2002	VOCs	Xylenes, Total	ug/L	6.6	10000		
GW-AA-Q-5-85	8/8/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-5-85	8/8/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	7		J	
GW-AA-Q-5-85	8/8/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	1.5	3.2	J	
GW-AA-Q-5-85	8/8/2002	SVOCs	P-Chloroaniline	ug/L	380	28	D	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-5-85	8/8/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-5-85	8/8/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-85	8/8/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-5-85	8/8/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-5-85	8/8/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-5-85	8/8/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-5-85	8/8/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-5-85	8/8/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-5-85	8/8/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-5-85	8/8/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-5-85	8/8/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-5-85	8/8/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-5-85	8/8/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-5-85	8/8/2002	Pesticides	Aldrin	ug/L	0.012	14	JP	J
GW-AA-Q-5-85	8/8/2002	Pesticides	beta-BHC	ug/L	0.028		JP	J
GW-AA-Q-5-85	8/8/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-5-85	8/8/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-5-85	8/8/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-Q-5-85	8/8/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-Q-5-85	8/8/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-5-85	8/8/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-5-85	8/8/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-5-85	8/8/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	33		JP	J
GW-AA-Q-5-85	8/8/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-5-85	8/8/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-Q-5-85	8/8/2002	Metals	Aluminum	mg/l	19			
GW-AA-Q-5-85	8/8/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-5-85	8/8/2002	Metals	Arsenic	mg/l	0.018	0.05		
GW-AA-Q-5-85	8/8/2002	Metals	Barium	mg/l	1.2	2		
GW-AA-Q-5-85	8/8/2002	Metals	Beryllium	mg/l	0.0013	0.004	B	
GW-AA-Q-5-85	8/8/2002	Metals	Cadmium	mg/l	0.00062	0.005	B	
GW-AA-Q-5-85	8/8/2002	Metals	Calcium	mg/l	210			
GW-AA-Q-5-85	8/8/2002	Metals	Chromium	mg/l	0.11	0.1		
GW-AA-Q-5-85	8/8/2002	Metals	Cobalt	mg/l	0.023	1		
GW-AA-Q-5-85	8/8/2002	Metals	Copper	mg/l	0.02	0.65	B	
GW-AA-Q-5-85	8/8/2002	Metals	Iron	mg/l	97	5		
GW-AA-Q-5-85	8/8/2002	Metals	Lead	mg/l	0.03	0.0075		
GW-AA-Q-5-85	8/8/2002	Metals	Magnesium	mg/l	59			
GW-AA-Q-5-85	8/8/2002	Metals	Manganese	mg/l	2.6	0.15		
GW-AA-Q-5-85	8/8/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-5-85	8/8/2002	Metals	Nickel	mg/l	0.099	0.1		
GW-AA-Q-5-85	8/8/2002	Metals	Potassium	mg/l	19			
GW-AA-Q-5-85	8/8/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-5-85	8/8/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-5-85	8/8/2002	Metals	Sodium	mg/l	36			
GW-AA-Q-5-85	8/8/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-5-85	8/8/2002	Metals	Vanadium	mg/l	0.061	0.049		
GW-AA-Q-5-85	8/8/2002	Metals	Zinc	mg/l	0.2	5		
GW-AA-Q-5-85	8/8/2002	Other	Alkalinity, Total (as CACO3)	mg/l	700			
GW-AA-Q-5-85	8/8/2002	Other	Carbon Dioxide	mg/l	270			
GW-AA-Q-5-85	8/8/2002	Other	Methane	ug/L	4000			J
GW-AA-Q-5-85	8/8/2002	Other	Nitrate-N	mg/l	0.05	10	U	
GW-AA-Q-5-85	8/8/2002	Other	Sulfate as SO4	mg/l	5	400	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	2-Nitrophenol	ug/L	10		U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	5.7		J	J
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	4-Nitrophenol	ug/L	50		U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Diethyl Phthalate	ug/L	1.4	5600	J	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	P-Chloroaniline	ug/L	200	28		
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Phenanthrene	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Phenol	ug/L	10	100	U	UJ
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-85-Filtered	8/8/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Arsenic	mg/l	0.0067	0.05	B	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Barium	mg/l	0.68	2		
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Calcium	mg/l	140			
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Cobalt	mg/l	0.0013	1	B	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Copper	mg/l	0.02	0.65	U	U
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Iron	mg/l	37	5		
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Magnesium	mg/l	37			
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Manganese	mg/l	0.94	0.15		
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Nickel	mg/l	0.012	0.1	B	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Potassium	mg/l	14			
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Sodium	mg/l	30			
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Vanadium	mg/l	0.01	0.049	U	U
GW-AA-Q-5-85-Filtered	8/8/2002	Metals	Zinc	mg/l	0.034	5		
GW-AA-Q-5-95	8/8/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-5-95	8/8/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-5-95	8/8/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-5-95	8/8/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-5-95	8/8/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-5-95	8/8/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-5-95	8/8/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-5-95	8/8/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-5-95	8/8/2002	VOCs	2-Butanone (MEK)	ug/L	9.4		J	
GW-AA-Q-5-95	8/8/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	11			
GW-AA-Q-5-95	8/8/2002	VOCs	Acetone	ug/L	22	6300	J	
GW-AA-Q-5-95	8/8/2002	VOCs	Benzene	ug/L	3.9	5		
GW-AA-Q-5-95	8/8/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-5-95	8/8/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-5-95	8/8/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-5-95	8/8/2002	VOCs	Carbon Disulfide	ug/L	1.1	700		
GW-AA-Q-5-95	8/8/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-5-95	8/8/2002	VOCs	Chlorobenzene	ug/L	33	100		
GW-AA-Q-5-95	8/8/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-5-95	8/8/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-5-95	8/8/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-5-95	8/8/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-5-95	8/8/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-5-95	8/8/2002	VOCs	Dichloromethane	ug/L	1.1	5	J	
GW-AA-Q-5-95	8/8/2002	VOCs	Ethylbenzene	ug/L	1.4	700		
GW-AA-Q-5-95	8/8/2002	VOCs	Methyl N-Butyl Ketone	ug/L	0.38		J	
GW-AA-Q-5-95	8/8/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-5-95	8/8/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-5-95	8/8/2002	VOCs	Toluene	ug/L	6.9	1000		
GW-AA-Q-5-95	8/8/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-5-95	8/8/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-5-95	8/8/2002	VOCs	Vinyl chloride	ug/L	1	2	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-5-95	8/8/2002	VOCs	Xylenes, Total	ug/L	9	10000		
GW-AA-Q-5-95	8/8/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	52			
GW-AA-Q-5-95	8/8/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Diethyl Phthalate	ug/L	2.4	5600	J	
GW-AA-Q-5-95	8/8/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-5-95	8/8/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	4.1	3.2	J	
GW-AA-Q-5-95	8/8/2002	SVOCs	P-Chloroaniline	ug/L	82	28		
GW-AA-Q-5-95	8/8/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Phenol	ug/L	1.4	100	J	
GW-AA-Q-5-95	8/8/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-95	8/8/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-5-105	8/8/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-5-105	8/8/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-5-105	8/8/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-5-105	8/8/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-5-105	8/8/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-5-105	8/8/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-5-105	8/8/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-5-105	8/8/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-5-105	8/8/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-5-105	8/8/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-5-105	8/8/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-5-105	8/8/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-5-105	8/8/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-5-105	8/8/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-5-105	8/8/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-5-105	8/8/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	2-Nitroaniline	ug/L	50		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-5-105	8/8/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-5-105	8/8/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-105	8/8/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-5-106	8/8/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-5-106	8/8/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-5-106	8/8/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-5-106	8/8/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-5-106	8/8/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-5-106	8/8/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-5-106	8/8/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-5-106	8/8/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-5-106	8/8/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-5-106	8/8/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-5-106	8/8/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	
GW-AA-Q-5-106	8/8/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-Q-5-106	8/8/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Endrin	ug/L	0.1	2	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-Q-5-106	8/8/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-Q-5-106	8/8/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-Q-5-106	8/8/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-5-106	8/8/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-5-106	8/8/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-Q-5-106	8/8/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-Q-5-106	8/8/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-5-106	8/8/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-5-106	8/8/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-5-106	8/8/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-5-106	8/8/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-5-106	8/8/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-Q-5-106	8/8/2002	Metals	Aluminum	mg/l	1.1			
GW-AA-Q-5-106	8/8/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-5-106	8/8/2002	Metals	Arsenic	mg/l	0.0033	0.05	B	
GW-AA-Q-5-106	8/8/2002	Metals	Barium	mg/l	0.6	2		
GW-AA-Q-5-106	8/8/2002	Metals	Beryllium	mg/l	0.00022	0.004	B	
GW-AA-Q-5-106	8/8/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-5-106	8/8/2002	Metals	Calcium	mg/l	130			
GW-AA-Q-5-106	8/8/2002	Metals	Chromium	mg/l	0.023	0.1		
GW-AA-Q-5-106	8/8/2002	Metals	Cobalt	mg/l	0.0014	1	B	
GW-AA-Q-5-106	8/8/2002	Metals	Copper	mg/l	0.0084	0.65	B	
GW-AA-Q-5-106	8/8/2002	Metals	Iron	mg/l	31	5		
GW-AA-Q-5-106	8/8/2002	Metals	Lead	mg/l	0.0031	0.0075	B	
GW-AA-Q-5-106	8/8/2002	Metals	Magnesium	mg/l	38			
GW-AA-Q-5-106	8/8/2002	Metals	Manganese	mg/l	2.2	0.15		
GW-AA-Q-5-106	8/8/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-5-106	8/8/2002	Metals	Nickel	mg/l	0.011	0.1	B	
GW-AA-Q-5-106	8/8/2002	Metals	Potassium	mg/l	9.5			
GW-AA-Q-5-106	8/8/2002	Metals	Selenium	mg/l	0.01	0.05	U	U
GW-AA-Q-5-106	8/8/2002	Metals	Silver	mg/l	0.1	0.05	U	U
GW-AA-Q-5-106	8/8/2002	Metals	Sodium	mg/l	17			
GW-AA-Q-5-106	8/8/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-5-106	8/8/2002	Metals	Vanadium	mg/l	0.0066	0.049	B	
GW-AA-Q-5-106	8/8/2002	Metals	Zinc	mg/l	0.0083	5	B	
GW-AA-Q-5-106	8/8/2002	Other	Alkalinity, Total (as CACO3)	mg/l	490			
GW-AA-Q-5-106	8/8/2002	Other	Carbon Dioxide	mg/l	120			
GW-AA-Q-5-106	8/8/2002	Other	Methane	ug/L	900			J
GW-AA-Q-5-106	8/8/2002	Other	Nitrate-N	mg/l	0.017	10	B	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-5-106	8/8/2002	Other	Sulfate as SO4	mg/l	28	400		
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	UJ
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	UJ
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-5-106-Filtered	8/8/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Barium	mg/l	0.57	2		
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Calcium	mg/l	130			
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Copper	mg/l	0.02	0.65	U	U
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Iron	mg/l	21	5		
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Magnesium	mg/l	38			
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Manganese	mg/l	1.6	0.15		
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Nickel	mg/l	0.04	0.1	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Potassium	mg/l	9.5			
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Selenium	mg/l	0.01	0.05	U	U
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Sodium	mg/l	17			
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Vanadium	mg/l	0.01	0.049	U	U
GW-AA-Q-5-106-Filtered	8/8/2002	Metals	Zinc	mg/l	0.02	5	U	
SA2-MW-6-D	7/10/2006	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
SA2-MW-6-D	7/10/2006	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
SA2-MW-6-D	7/10/2006	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
SA2-MW-6-D	7/10/2006	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
SA2-MW-6-D	7/10/2006	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
SA2-MW-6-D	7/10/2006	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
SA2-MW-6-D	7/10/2006	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
SA2-MW-6-D	7/10/2006	VOCs	2-Butanone (MEK)	ug/L	10		U	
SA2-MW-6-D	7/10/2006	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
SA2-MW-6-D	7/10/2006	VOCs	Acetone	ug/L	25	6300	U	
SA2-MW-6-D	7/10/2006	VOCs	Benzene	ug/L	1	5	U	
SA2-MW-6-D	7/10/2006	VOCs	Benzene Isomer	ug/L	5.6			
SA2-MW-6-D	7/10/2006	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
SA2-MW-6-D	7/10/2006	VOCs	Bromoform	ug/L	1	1	U	
SA2-MW-6-D	7/10/2006	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
SA2-MW-6-D	7/10/2006	VOCs	Carbon Disulfide	ug/L	2	700	U *	
SA2-MW-6-D	7/10/2006	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
SA2-MW-6-D	7/10/2006	VOCs	Chlorobenzene	ug/L	0.47	100	J	
SA2-MW-6-D	7/10/2006	VOCs	Chlorodibromomethane	ug/L	1	140	U	
SA2-MW-6-D	7/10/2006	VOCs	Chloroethane	ug/L	1		U	
SA2-MW-6-D	7/10/2006	VOCs	Chloroform	ug/L	1	0.2	U	
SA2-MW-6-D	7/10/2006	VOCs	Chloromethane	ug/L	1		U	
SA2-MW-6-D	7/10/2006	VOCs	cis-1,2-Dichloroethene	ug/L	1.1	70		
SA2-MW-6-D	7/10/2006	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
SA2-MW-6-D	7/10/2006	VOCs	Dichloromethane	ug/L	5	5	U	
SA2-MW-6-D	7/10/2006	VOCs	Ethane	ug/L	1			
SA2-MW-6-D	7/10/2006	VOCs	Ethene	ug/L	0.33		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-6-D	7/10/2006	VOCs	Ethylbenzene	ug/L	1	700	U	
SA2-MW-6-D	7/10/2006	VOCs	Methane	ug/L	19			
SA2-MW-6-D	7/10/2006	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
SA2-MW-6-D	7/10/2006	VOCs	Methyl tert-butyl ether (MTBE)	ug/L	7.8	70	J	
SA2-MW-6-D	7/10/2006	VOCs	Styrene (Monomer)	ug/L	1	100	U	
SA2-MW-6-D	7/10/2006	VOCs	Tetrachloroethene	ug/L	1	5	U	
SA2-MW-6-D	7/10/2006	VOCs	Toluene	ug/L	1	1000	U	
SA2-MW-6-D	7/10/2006	VOCs	trans-1,2-Dichloroethene	ug/L	1	100	U	
SA2-MW-6-D	7/10/2006	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
SA2-MW-6-D	7/10/2006	VOCs	Trichloroethene	ug/L	1	5	U	
SA2-MW-6-D	7/10/2006	VOCs	Vinyl chloride	ug/L	1	2	U	
SA2-MW-6-D	7/10/2006	VOCs	Xylenes, Total	ug/L	2	10000	U	
SA2-MW-6-D	7/10/2006	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.4	70	U	
SA2-MW-6-D	7/10/2006	SVOCs	1,2-Dichlorobenzene	ug/L	9.4	600	U	
SA2-MW-6-D	7/10/2006	SVOCs	1,3-Dichlorobenzene	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	1,4-Dichlorobenzene	ug/L	9.4	75	U	
SA2-MW-6-D	7/10/2006	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	2,4,5-Trichlorophenol	ug/L	9.4	700	U	
SA2-MW-6-D	7/10/2006	SVOCs	2,4,6-Trichlorophenol	ug/L	9.4	10	U	
SA2-MW-6-D	7/10/2006	SVOCs	2,4-Dichlorophenol	ug/L	9.4	21	U	
SA2-MW-6-D	7/10/2006	SVOCs	2,4-Dimethylphenol	ug/L	9.4	140	U	
SA2-MW-6-D	7/10/2006	SVOCs	2,4-Dinitrophenol	ug/L	47	14	U	
SA2-MW-6-D	7/10/2006	SVOCs	2,4-Dinitrotoluene	ug/L	9.4	0.02	U	
SA2-MW-6-D	7/10/2006	SVOCs	2,6-Dinitrotoluene	ug/L	9.4	0.31	U	
SA2-MW-6-D	7/10/2006	SVOCs	2-Chloronaphthalene	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	2-Chlorophenol	ug/L	9.4	35	U	
SA2-MW-6-D	7/10/2006	SVOCs	2-Methylnaphthalene	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.4	350	U	
SA2-MW-6-D	7/10/2006	SVOCs	2-Nitroaniline	ug/L	47		U	
SA2-MW-6-D	7/10/2006	SVOCs	2-Nitrophenol	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	3 & 4 Methylphenol	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
SA2-MW-6-D	7/10/2006	SVOCs	3-Nitroaniline	ug/L	47		U	
SA2-MW-6-D	7/10/2006	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	47		U	
SA2-MW-6-D	7/10/2006	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	4-Chloro-3-methylphenol	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	4-Nitrophenol	ug/L	47		U	
SA2-MW-6-D	7/10/2006	SVOCs	Acenaphthene	ug/L	9.4	420	U	
SA2-MW-6-D	7/10/2006	SVOCs	Acenaphthylene	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	Anthracene	ug/L	9.4	2100	U	
SA2-MW-6-D	7/10/2006	SVOCs	Benzo(a)anthracene	ug/L	9.4	0.13	U	
SA2-MW-6-D	7/10/2006	SVOCs	Benzo(a)pyrene	ug/L	9.4	0.2	U	
SA2-MW-6-D	7/10/2006	SVOCs	Benzo(b)fluoranthene	ug/L	9.4	0.18	U	
SA2-MW-6-D	7/10/2006	SVOCs	Benzo(g,h,i)perylene	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	Benzo(k)fluoranthene	ug/L	9.4	0.17	U	
SA2-MW-6-D	7/10/2006	SVOCs	Benzyl Butyl Phthalate	ug/L	9.4	1400	U	
SA2-MW-6-D	7/10/2006	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.4	10	U	
SA2-MW-6-D	7/10/2006	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.4	6	U	
SA2-MW-6-D	7/10/2006	SVOCs	Carbazole	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	Chrysene	ug/L	9.4	1.5	U	
SA2-MW-6-D	7/10/2006	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.4	0.3	U	
SA2-MW-6-D	7/10/2006	SVOCs	Dibenzofuran	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	Diethyl Phthalate	ug/L	9.4	5600	U	
SA2-MW-6-D	7/10/2006	SVOCs	Dimethyl Phthalate	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	Di-n-butylphthalate	ug/L	9.4	700	U	
SA2-MW-6-D	7/10/2006	SVOCs	Di-n-octylphthalate	ug/L	9.4	140	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-6-D	7/10/2006	SVOCs	Dinoseb	ug/L	9.4	7	U	
SA2-MW-6-D	7/10/2006	SVOCs	Fluoranthene	ug/L	9.4	280	U	
SA2-MW-6-D	7/10/2006	SVOCs	Fluorene	ug/L	9.4	280	U	
SA2-MW-6-D	7/10/2006	SVOCs	Hexachlorobenzene	ug/L	9.4	0.06	U	
SA2-MW-6-D	7/10/2006	SVOCs	Hexachlorobutadiene	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	Hexachlorocyclopentadiene	ug/L	9.4	50	U	
SA2-MW-6-D	7/10/2006	SVOCs	Hexachloroethane	ug/L	9.4	7	U	
SA2-MW-6-D	7/10/2006	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.4	0.43	U	
SA2-MW-6-D	7/10/2006	SVOCs	Isophorone	ug/L	9.4	1400	U	
SA2-MW-6-D	7/10/2006	SVOCs	Naphthalene	ug/L	9.4	140	U	
SA2-MW-6-D	7/10/2006	SVOCs	Nitrobenzene	ug/L	9.4	3.5	U	
SA2-MW-6-D	7/10/2006	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.4	1.8	U	
SA2-MW-6-D	7/10/2006	SVOCs	N-Nitrosodiphenylamine	ug/L	9.4	3.2	U	
SA2-MW-6-D	7/10/2006	SVOCs	P-Chloroaniline	ug/L	19	28	U	
SA2-MW-6-D	7/10/2006	SVOCs	Phenanthrene	ug/L	9.4		U	
SA2-MW-6-D	7/10/2006	SVOCs	Phenol	ug/L	9.4	100	U	
SA2-MW-6-D	7/10/2006	SVOCs	P-Nitroaniline	ug/L	47		U	
SA2-MW-6-D	7/10/2006	SVOCs	Pyrene	ug/L	9.4	210	U	
SA2-MW-6-D	7/10/2006	Herbicides	2,4,5-T	ug/L	0.48		U	
SA2-MW-6-D	7/10/2006	Herbicides	2,4,5-TP (Silvex)	ug/L	0.48	50	U	
SA2-MW-6-D	7/10/2006	Herbicides	2,4-D	ug/L	0.48	70	U	
SA2-MW-6-D	7/10/2006	Herbicides	2,4-DB	ug/L	0.48		U	
SA2-MW-6-D	7/10/2006	Herbicides	Dalapon	ug/L	9.5	200	U	
SA2-MW-6-D	7/10/2006	Herbicides	Dicamba	ug/L	0.48		U	
SA2-MW-6-D	7/10/2006	Herbicides	Dichlorprop	ug/L	0.48		U *	
SA2-MW-6-D	7/10/2006	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	110		U	
SA2-MW-6-D	7/10/2006	Herbicides	MCPP	ug/L	110		U	
SA2-MW-6-D	7/10/2006	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
SA2-MW-6-D	7/10/2006	Metals	Aluminum	mg/l	0.16		J	U
SA2-MW-6-D	7/10/2006	Metals	Antimony	mg/l	0.02	0.006	U	
SA2-MW-6-D	7/10/2006	Metals	Arsenic	mg/l	0.01	0.05	U	
SA2-MW-6-D	7/10/2006	Metals	Barium	mg/l	0.096	2		
SA2-MW-6-D	7/10/2006	Metals	Beryllium	mg/l	0.004	0.004	U	
SA2-MW-6-D	7/10/2006	Metals	Cadmium	mg/l	0.005	0.005	U	
SA2-MW-6-D	7/10/2006	Metals	Calcium	mg/l	170			
SA2-MW-6-D	7/10/2006	Metals	Chromium	mg/l	0.0037	0.1	J	
SA2-MW-6-D	7/10/2006	Metals	Cobalt	mg/l	0.01	1	U	
SA2-MW-6-D	7/10/2006	Metals	Copper	mg/l	0.02	0.65	U	
SA2-MW-6-D	7/10/2006	Metals	Iron	mg/l	11	5		
SA2-MW-6-D	7/10/2006	Metals	Lead	mg/l	0.005	0.0075	U	
SA2-MW-6-D	7/10/2006	Metals	Magnesium	mg/l	47			
SA2-MW-6-D	7/10/2006	Metals	Manganese	mg/l	0.47	0.15		
SA2-MW-6-D	7/10/2006	Metals	Mercury	mg/l	0.000081	2	J	
SA2-MW-6-D	7/10/2006	Metals	Nickel	mg/l	0.0022	0.1	J	
SA2-MW-6-D	7/10/2006	Metals	Potassium	mg/l	7.3			
SA2-MW-6-D	7/10/2006	Metals	Selenium	mg/l	0.01	0.05	U	
SA2-MW-6-D	7/10/2006	Metals	Silver	mg/l	0.01	0.05	U	
SA2-MW-6-D	7/10/2006	Metals	Sodium	mg/l	29			
SA2-MW-6-D	7/10/2006	Metals	Thallium	mg/l	0.025	0.002	U	
SA2-MW-6-D	7/10/2006	Metals	Vanadium	mg/l	0.01	0.049	U	
SA2-MW-6-D	7/10/2006	Metals	Zinc	mg/l	0.011	5	J	
SA2-MW-6-D	7/10/2006	Other	Alkalinity	mg/l	440			
SA2-MW-6-D	7/10/2006	Other	Ammonia	mg/l	3.1			
SA2-MW-6-D	7/10/2006	Other	Carbon Dioxide	mg/l	53			
SA2-MW-6-D	7/10/2006	Other	Chloride	mg/l	45	200		
SA2-MW-6-D	7/10/2006	Other	Nitrogen, Nitrate	mg/l	0.052	10		
SA2-MW-6-D	7/10/2006	Other	Nitrogen, Nitrate Nitrite	mg/l	0.052			
SA2-MW-6-D	7/10/2006	Other	Nitrogen, Nitrite	mg/l	0.05		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-6-D	7/10/2006	Other	Sulfate as SO4	mg/l	260	400		
SA2-MW-6-D	7/10/2006	Other	Total Organic Carbon	mg/l	2.1			
SA2-MW-7-D	7/11/2006	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
SA2-MW-7-D	7/11/2006	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
SA2-MW-7-D	7/11/2006	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
SA2-MW-7-D	7/11/2006	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
SA2-MW-7-D	7/11/2006	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
SA2-MW-7-D	7/11/2006	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
SA2-MW-7-D	7/11/2006	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
SA2-MW-7-D	7/11/2006	VOCs	2-Butanone (MEK)	ug/L	10		U	
SA2-MW-7-D	7/11/2006	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
SA2-MW-7-D	7/11/2006	VOCs	Acetone	ug/L	25	6300	U	
SA2-MW-7-D	7/11/2006	VOCs	Benzene	ug/L	1	5	U	
SA2-MW-7-D	7/11/2006	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
SA2-MW-7-D	7/11/2006	VOCs	Bromoform	ug/L	1	1	U	
SA2-MW-7-D	7/11/2006	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
SA2-MW-7-D	7/11/2006	VOCs	Carbon Disulfide	ug/L	2	700	U *	
SA2-MW-7-D	7/11/2006	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
SA2-MW-7-D	7/11/2006	VOCs	Chlorobenzene	ug/L	0.8	100	J	
SA2-MW-7-D	7/11/2006	VOCs	Chlorodibromomethane	ug/L	1	140	U	
SA2-MW-7-D	7/11/2006	VOCs	Chloroethane	ug/L	1		U	
SA2-MW-7-D	7/11/2006	VOCs	Chloroform	ug/L	1	0.2	U	
SA2-MW-7-D	7/11/2006	VOCs	Chloromethane	ug/L	1		U	
SA2-MW-7-D	7/11/2006	VOCs	cis-1,2-Dichloroethene	ug/L	1	70	U	
SA2-MW-7-D	7/11/2006	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
SA2-MW-7-D	7/11/2006	VOCs	Dichloromethane	ug/L	5	5	U	
SA2-MW-7-D	7/11/2006	VOCs	Ethane	ug/L	0.35			
SA2-MW-7-D	7/11/2006	VOCs	Ethene	ug/L	0.33		U	
SA2-MW-7-D	7/11/2006	VOCs	Ethylbenzene	ug/L	1	700	U	
SA2-MW-7-D	7/11/2006	VOCs	Methane	ug/L	14			
SA2-MW-7-D	7/11/2006	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
SA2-MW-7-D	7/11/2006	VOCs	Methyl tert-butyl ether (MTBE)	ug/L	1.2	70	J	
SA2-MW-7-D	7/11/2006	VOCs	Styrene (Monomer)	ug/L	1	100	U	
SA2-MW-7-D	7/11/2006	VOCs	Tetrachloroethene	ug/L	1	5	U	
SA2-MW-7-D	7/11/2006	VOCs	Toluene	ug/L	1	1000	U	
SA2-MW-7-D	7/11/2006	VOCs	trans-1,2-Dichloroethene	ug/L	1	100	U	
SA2-MW-7-D	7/11/2006	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
SA2-MW-7-D	7/11/2006	VOCs	Trichloroethene	ug/L	1	5	U	
SA2-MW-7-D	7/11/2006	VOCs	Vinyl chloride	ug/L	1	2	U	
SA2-MW-7-D	7/11/2006	VOCs	Xylenes, Total	ug/L	2	10000	U	
SA2-MW-7-D	7/11/2006	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
SA2-MW-7-D	7/11/2006	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
SA2-MW-7-D	7/11/2006	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U *	
SA2-MW-7-D	7/11/2006	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
SA2-MW-7-D	7/11/2006	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
SA2-MW-7-D	7/11/2006	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
SA2-MW-7-D	7/11/2006	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
SA2-MW-7-D	7/11/2006	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
SA2-MW-7-D	7/11/2006	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
SA2-MW-7-D	7/11/2006	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
SA2-MW-7-D	7/11/2006	SVOCs	2-Chloronaphthalene	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	2-Chlorophenol	ug/L	10	35	U	
SA2-MW-7-D	7/11/2006	SVOCs	2-Methylnaphthalene	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
SA2-MW-7-D	7/11/2006	SVOCs	2-Nitroaniline	ug/L	50		U	
SA2-MW-7-D	7/11/2006	SVOCs	2-Nitrophenol	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-7-D	7/11/2006	SVOCs	3 & 4 Methylphenol	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
SA2-MW-7-D	7/11/2006	SVOCs	3-Nitroaniline	ug/L	50		U	
SA2-MW-7-D	7/11/2006	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
SA2-MW-7-D	7/11/2006	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	4-Nitrophenol	ug/L	50		U	
SA2-MW-7-D	7/11/2006	SVOCs	Acenaphthene	ug/L	10	420	U	
SA2-MW-7-D	7/11/2006	SVOCs	Acenaphthylene	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	Anthracene	ug/L	10	2100	U	
SA2-MW-7-D	7/11/2006	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
SA2-MW-7-D	7/11/2006	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
SA2-MW-7-D	7/11/2006	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
SA2-MW-7-D	7/11/2006	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
SA2-MW-7-D	7/11/2006	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
SA2-MW-7-D	7/11/2006	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
SA2-MW-7-D	7/11/2006	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
SA2-MW-7-D	7/11/2006	SVOCs	Carbazole	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	Chrysene	ug/L	10	1.5	U	
SA2-MW-7-D	7/11/2006	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
SA2-MW-7-D	7/11/2006	SVOCs	Dibenzofuran	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
SA2-MW-7-D	7/11/2006	SVOCs	Dimethyl Phthalate	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
SA2-MW-7-D	7/11/2006	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
SA2-MW-7-D	7/11/2006	SVOCs	Dinoseb	ug/L	10	7	U	
SA2-MW-7-D	7/11/2006	SVOCs	Fluoranthene	ug/L	10	280	U	
SA2-MW-7-D	7/11/2006	SVOCs	Fluorene	ug/L	10	280	U	
SA2-MW-7-D	7/11/2006	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
SA2-MW-7-D	7/11/2006	SVOCs	Hexachlorobutadiene	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
SA2-MW-7-D	7/11/2006	SVOCs	Hexachloroethane	ug/L	10	7	U *	
SA2-MW-7-D	7/11/2006	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
SA2-MW-7-D	7/11/2006	SVOCs	Isophorone	ug/L	10	1400	U	
SA2-MW-7-D	7/11/2006	SVOCs	Naphthalene	ug/L	10	140	U	
SA2-MW-7-D	7/11/2006	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
SA2-MW-7-D	7/11/2006	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
SA2-MW-7-D	7/11/2006	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
SA2-MW-7-D	7/11/2006	SVOCs	Octadecanoic acid, butyl ester	ug/L	9.9		N J	
SA2-MW-7-D	7/11/2006	SVOCs	P-Chloroaniline	ug/L	20	28	U	
SA2-MW-7-D	7/11/2006	SVOCs	Phenanthrene	ug/L	10		U	
SA2-MW-7-D	7/11/2006	SVOCs	Phenol	ug/L	10	100	U	
SA2-MW-7-D	7/11/2006	SVOCs	P-Nitroaniline	ug/L	50		U	
SA2-MW-7-D	7/11/2006	SVOCs	Pyrene	ug/L	10	210	U	
SA2-MW-7-D	7/11/2006	Herbicides	2,4,5-T	ug/L	0.49		U	
SA2-MW-7-D	7/11/2006	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
SA2-MW-7-D	7/11/2006	Herbicides	2,4-D	ug/L	0.49	70	U	
SA2-MW-7-D	7/11/2006	Herbicides	2,4-DB	ug/L	0.49		U	
SA2-MW-7-D	7/11/2006	Herbicides	Dalapon	ug/L	9.7	200	U	
SA2-MW-7-D	7/11/2006	Herbicides	Dicamba	ug/L	0.49		U	
SA2-MW-7-D	7/11/2006	Herbicides	Dichlorprop	ug/L	0.49		U *	
SA2-MW-7-D	7/11/2006	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
SA2-MW-7-D	7/11/2006	Herbicides	MCPP	ug/L	120		U	
SA2-MW-7-D	7/11/2006	Herbicides	Pentachlorophenol	ug/L	0.24	1	U	
SA2-MW-7-D	7/11/2006	Metals	Aluminum	mg/l	0.2		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-7-D	7/11/2006	Metals	Antimony	mg/l	0.02	0.006	U	
SA2-MW-7-D	7/11/2006	Metals	Arsenic	mg/l	0.01	0.05	U	
SA2-MW-7-D	7/11/2006	Metals	Barium	mg/l	0.11	2		
SA2-MW-7-D	7/11/2006	Metals	Beryllium	mg/l	0.004	0.004	U	
SA2-MW-7-D	7/11/2006	Metals	Cadmium	mg/l	0.005	0.005	U	
SA2-MW-7-D	7/11/2006	Metals	Calcium	mg/l	120			
SA2-MW-7-D	7/11/2006	Metals	Chromium	mg/l	0.01	0.1	U	
SA2-MW-7-D	7/11/2006	Metals	Cobalt	mg/l	0.01	1	U	
SA2-MW-7-D	7/11/2006	Metals	Copper	mg/l	0.02	0.65	U	
SA2-MW-7-D	7/11/2006	Metals	Iron	mg/l	12	5		
SA2-MW-7-D	7/11/2006	Metals	Lead	mg/l	0.005	0.0075	U	
SA2-MW-7-D	7/11/2006	Metals	Magnesium	mg/l	33			
SA2-MW-7-D	7/11/2006	Metals	Manganese	mg/l	0.65	0.15		
SA2-MW-7-D	7/11/2006	Metals	Mercury	mg/l	0.000082	2	J	
SA2-MW-7-D	7/11/2006	Metals	Nickel	mg/l	0.04	0.1	U	
SA2-MW-7-D	7/11/2006	Metals	Potassium	mg/l	7.1			
SA2-MW-7-D	7/11/2006	Metals	Selenium	mg/l	0.01	0.05	U	
SA2-MW-7-D	7/11/2006	Metals	Silver	mg/l	0.01	0.05	U	
SA2-MW-7-D	7/11/2006	Metals	Sodium	mg/l	15			
SA2-MW-7-D	7/11/2006	Metals	Thallium	mg/l	0.025	0.002	U	
SA2-MW-7-D	7/11/2006	Metals	Vanadium	mg/l	0.01	0.049	U	
SA2-MW-7-D	7/11/2006	Metals	Zinc	mg/l	0.02	5	U	
SA2-MW-7-D	7/11/2006	Other	Alkalinity	mg/l	390			
SA2-MW-7-D	7/11/2006	Other	Ammonia	mg/l	4.4			
SA2-MW-7-D	7/11/2006	Other	Carbon Dioxide	mg/l	13			
SA2-MW-7-D	7/11/2006	Other	Chloride	mg/l	18	200		
SA2-MW-7-D	7/11/2006	Other	Nitrogen, Nitrate	mg/l	0.027	10	J	
SA2-MW-7-D	7/11/2006	Other	Nitrogen, Nitrate Nitrite	mg/l	0.027		J	
SA2-MW-7-D	7/11/2006	Other	Nitrogen, Nitrite	mg/l	0.05		U	
SA2-MW-7-D	7/11/2006	Other	Sulfate as SO4	mg/l	87	400		
SA2-MW-7-D	7/11/2006	Other	Total Organic Carbon	mg/l	1.7			
SA2-MW-8-D	7/6/2006	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
SA2-MW-8-D	7/6/2006	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
SA2-MW-8-D	7/6/2006	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
SA2-MW-8-D	7/6/2006	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
SA2-MW-8-D	7/6/2006	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
SA2-MW-8-D	7/6/2006	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
SA2-MW-8-D	7/6/2006	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
SA2-MW-8-D	7/6/2006	VOCs	2-Butanone (MEK)	ug/L	10		U	UJ
SA2-MW-8-D	7/6/2006	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	UJ
SA2-MW-8-D	7/6/2006	VOCs	Acetone	ug/L	25	6300	U	
SA2-MW-8-D	7/6/2006	VOCs	Benzene	ug/L	1	5	U	
SA2-MW-8-D	7/6/2006	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
SA2-MW-8-D	7/6/2006	VOCs	Bromoform	ug/L	1	1	U	
SA2-MW-8-D	7/6/2006	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
SA2-MW-8-D	7/6/2006	VOCs	Carbon Disulfide	ug/L	2	700	U	
SA2-MW-8-D	7/6/2006	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
SA2-MW-8-D	7/6/2006	VOCs	Chlorobenzene	ug/L	1.4	100		
SA2-MW-8-D	7/6/2006	VOCs	Chlorodibromomethane	ug/L	1	140	U	
SA2-MW-8-D	7/6/2006	VOCs	Chloroethane	ug/L	1		U	
SA2-MW-8-D	7/6/2006	VOCs	Chloroform	ug/L	1	0.2	U	
SA2-MW-8-D	7/6/2006	VOCs	Chloromethane	ug/L	1		U	
SA2-MW-8-D	7/6/2006	VOCs	cis-1,2-Dichloroethene	ug/L	1	70	U	
SA2-MW-8-D	7/6/2006	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
SA2-MW-8-D	7/6/2006	VOCs	Dichloromethane	ug/L	5	5	U	
SA2-MW-8-D	7/6/2006	VOCs	Ethane	ug/L	0.99			
SA2-MW-8-D	7/6/2006	VOCs	Ethene	ug/L	0.33		U	
SA2-MW-8-D	7/6/2006	VOCs	Ethylbenzene	ug/L	1	700	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-8-D	7/6/2006	VOCs	Methane	ug/L	91			
SA2-MW-8-D	7/6/2006	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
SA2-MW-8-D	7/6/2006	VOCs	Styrene (Monomer)	ug/L	1	100	U	
SA2-MW-8-D	7/6/2006	VOCs	Tetrachloroethene	ug/L	1	5	U	
SA2-MW-8-D	7/6/2006	VOCs	Toluene	ug/L	1	1000	U	
SA2-MW-8-D	7/6/2006	VOCs	trans-1,2-Dichloroethene	ug/L	1	100	U	
SA2-MW-8-D	7/6/2006	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
SA2-MW-8-D	7/6/2006	VOCs	Trichloroethene	ug/L	1	5	U	
SA2-MW-8-D	7/6/2006	VOCs	Vinyl chloride	ug/L	1	2	U	
SA2-MW-8-D	7/6/2006	VOCs	Xylenes, Total	ug/L	2	10000	U	
SA2-MW-8-D	7/6/2006	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.6	70	U	
SA2-MW-8-D	7/6/2006	SVOCs	1,2-Dichlorobenzene	ug/L	9.6	600	U	
SA2-MW-8-D	7/6/2006	SVOCs	1,3-Dichlorobenzene	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	1,4-Dichlorobenzene	ug/L	9.6	75	U	
SA2-MW-8-D	7/6/2006	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	2,4,5-Trichlorophenol	ug/L	9.6	700	U	
SA2-MW-8-D	7/6/2006	SVOCs	2,4,6-Trichlorophenol	ug/L	9.6	10	U	
SA2-MW-8-D	7/6/2006	SVOCs	2,4-Dichlorophenol	ug/L	9.6	21	U	
SA2-MW-8-D	7/6/2006	SVOCs	2,4-Dimethylphenol	ug/L	9.6	140	U	
SA2-MW-8-D	7/6/2006	SVOCs	2,4-Dinitrophenol	ug/L	48	14	U	
SA2-MW-8-D	7/6/2006	SVOCs	2,4-Dinitrotoluene	ug/L	9.6	0.02	U	
SA2-MW-8-D	7/6/2006	SVOCs	2,6-Dinitrotoluene	ug/L	9.6	0.31	U	
SA2-MW-8-D	7/6/2006	SVOCs	2-Chloronaphthalene	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	2-Chlorophenol	ug/L	9.6	35	U	
SA2-MW-8-D	7/6/2006	SVOCs	2-Methylnaphthalene	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.6	350	U	
SA2-MW-8-D	7/6/2006	SVOCs	2-Nitroaniline	ug/L	48		U	
SA2-MW-8-D	7/6/2006	SVOCs	2-Nitrophenol	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	3 & 4 Methylphenol	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
SA2-MW-8-D	7/6/2006	SVOCs	3-Nitroaniline	ug/L	48		U	
SA2-MW-8-D	7/6/2006	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48		U	
SA2-MW-8-D	7/6/2006	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	4-Chloro-3-methylphenol	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	4-Nitrophenol	ug/L	48		U	
SA2-MW-8-D	7/6/2006	SVOCs	Acenaphthene	ug/L	9.6	420	U	
SA2-MW-8-D	7/6/2006	SVOCs	Acenaphthylene	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	Anthracene	ug/L	9.6	2100	U	
SA2-MW-8-D	7/6/2006	SVOCs	Benzo(a)anthracene	ug/L	9.6	0.13	U	
SA2-MW-8-D	7/6/2006	SVOCs	Benzo(a)pyrene	ug/L	9.6	0.2	U	
SA2-MW-8-D	7/6/2006	SVOCs	Benzo(b)fluoranthene	ug/L	9.6	0.18	U	
SA2-MW-8-D	7/6/2006	SVOCs	Benzo(g,h,i)perylene	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	Benzo(k)fluoranthene	ug/L	9.6	0.17	U	
SA2-MW-8-D	7/6/2006	SVOCs	Benzyl Butyl Phthalate	ug/L	9.6	1400	U	
SA2-MW-8-D	7/6/2006	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.6	10	U	
SA2-MW-8-D	7/6/2006	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	2.4	6	J	
SA2-MW-8-D	7/6/2006	SVOCs	Caprolactam	ug/L	3.3		J	
SA2-MW-8-D	7/6/2006	SVOCs	Carbazole	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	Chrysene	ug/L	9.6	1.5	U	
SA2-MW-8-D	7/6/2006	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.6	0.3	U	
SA2-MW-8-D	7/6/2006	SVOCs	Dibenzofuran	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	Diethyl Phthalate	ug/L	9.6	5600	U	
SA2-MW-8-D	7/6/2006	SVOCs	Dimethyl Phthalate	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	Di-n-butylphthalate	ug/L	9.6	700	U	
SA2-MW-8-D	7/6/2006	SVOCs	Di-n-octylphthalate	ug/L	9.6	140	U	
SA2-MW-8-D	7/6/2006	SVOCs	Dinoseb	ug/L	9.6	7	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-8-D	7/6/2006	SVOCs	Fluoranthene	ug/L	9.6	280	U	
SA2-MW-8-D	7/6/2006	SVOCs	Fluorene	ug/L	9.6	280	U	
SA2-MW-8-D	7/6/2006	SVOCs	Hexachlorobenzene	ug/L	9.6	0.06	U	
SA2-MW-8-D	7/6/2006	SVOCs	Hexachlorobutadiene	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	Hexachlorocyclopentadiene	ug/L	9.6	50	U	
SA2-MW-8-D	7/6/2006	SVOCs	Hexachloroethane	ug/L	9.6	7	U	
SA2-MW-8-D	7/6/2006	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.6	0.43	U	
SA2-MW-8-D	7/6/2006	SVOCs	Isophorone	ug/L	9.6	1400	U	
SA2-MW-8-D	7/6/2006	SVOCs	Naphthalene	ug/L	9.6	140	U	
SA2-MW-8-D	7/6/2006	SVOCs	Nitrobenzene	ug/L	9.6	3.5	U	
SA2-MW-8-D	7/6/2006	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.6	1.8	U	
SA2-MW-8-D	7/6/2006	SVOCs	N-Nitrosodiphenylamine	ug/L	9.6	3.2	U	
SA2-MW-8-D	7/6/2006	SVOCs	P-Chloroaniline	ug/L	19	28	U	
SA2-MW-8-D	7/6/2006	SVOCs	Phenanthrene	ug/L	9.6		U	
SA2-MW-8-D	7/6/2006	SVOCs	Phenol	ug/L	9.6	100	U	
SA2-MW-8-D	7/6/2006	SVOCs	P-Nitroaniline	ug/L	48		U	
SA2-MW-8-D	7/6/2006	SVOCs	Pyrene	ug/L	9.6	210	U	
SA2-MW-8-D	7/6/2006	Herbicides	2,4,5-T	ug/L	0.49		U	
SA2-MW-8-D	7/6/2006	Herbicides	2,4,5-TP (Silvex)	ug/L	0.49	50	U	
SA2-MW-8-D	7/6/2006	Herbicides	2,4-D	ug/L	0.49	70	U	
SA2-MW-8-D	7/6/2006	Herbicides	2,4-DB	ug/L	0.49		U	
SA2-MW-8-D	7/6/2006	Herbicides	Dalapon	ug/L	9.8	200	U	
SA2-MW-8-D	7/6/2006	Herbicides	Dicamba	ug/L	0.49		U	
SA2-MW-8-D	7/6/2006	Herbicides	Dichlorprop	ug/L	0.49		U	
SA2-MW-8-D	7/6/2006	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
SA2-MW-8-D	7/6/2006	Herbicides	MCPP	ug/L	120		U	
SA2-MW-8-D	7/6/2006	Herbicides	Pentachlorophenol	ug/L	0.25	1	U	
SA2-MW-8-D	7/6/2006	Metals	Aluminum	mg/l	0.13		J	
SA2-MW-8-D	7/6/2006	Metals	Antimony	mg/l	0.02	0.006	U	
SA2-MW-8-D	7/6/2006	Metals	Arsenic	mg/l	0.01	0.05	U	
SA2-MW-8-D	7/6/2006	Metals	Barium	mg/l	0.13	2		
SA2-MW-8-D	7/6/2006	Metals	Beryllium	mg/l	0.00025	0.004	J	
SA2-MW-8-D	7/6/2006	Metals	Cadmium	mg/l	0.005	0.005	U	
SA2-MW-8-D	7/6/2006	Metals	Calcium	mg/l	130			
SA2-MW-8-D	7/6/2006	Metals	Chromium	mg/l	0.0023	0.1	J	U
SA2-MW-8-D	7/6/2006	Metals	Cobalt	mg/l	0.01	1	U	
SA2-MW-8-D	7/6/2006	Metals	Copper	mg/l	0.02	0.65	U	
SA2-MW-8-D	7/6/2006	Metals	Iron	mg/l	20	5		
SA2-MW-8-D	7/6/2006	Metals	Lead	mg/l	0.005	0.0075	U	
SA2-MW-8-D	7/6/2006	Metals	Magnesium	mg/l	38			
SA2-MW-8-D	7/6/2006	Metals	Manganese	mg/l	1.6	0.15		
SA2-MW-8-D	7/6/2006	Metals	Mercury	mg/l	0.0002	2	U	
SA2-MW-8-D	7/6/2006	Metals	Nickel	mg/l	0.0034	0.1	J	
SA2-MW-8-D	7/6/2006	Metals	Potassium	mg/l	11			
SA2-MW-8-D	7/6/2006	Metals	Selenium	mg/l	0.01	0.05	U	
SA2-MW-8-D	7/6/2006	Metals	Silver	mg/l	0.01	0.05	U	
SA2-MW-8-D	7/6/2006	Metals	Sodium	mg/l	21			
SA2-MW-8-D	7/6/2006	Metals	Thallium	mg/l	0.025	0.002	U	
SA2-MW-8-D	7/6/2006	Metals	Vanadium	mg/l	0.01	0.049	U	
SA2-MW-8-D	7/6/2006	Metals	Zinc	mg/l	0.025	5		
SA2-MW-8-D	7/6/2006	Other	Alkalinity	mg/l	360			
SA2-MW-8-D	7/6/2006	Other	Ammonia	mg/l	7.2			
SA2-MW-8-D	7/6/2006	Other	Carbon Dioxide	mg/l	94			
SA2-MW-8-D	7/6/2006	Other	Chloride	mg/l	36	200		
SA2-MW-8-D	7/6/2006	Other	Nitrogen, Nitrate	mg/l	0.047	10	J	
SA2-MW-8-D	7/6/2006	Other	Nitrogen, Nitrate Nitrite	mg/l	0.047		J	
SA2-MW-8-D	7/6/2006	Other	Nitrogen, Nitrite	mg/l	0.05		U	
SA2-MW-8-D	7/6/2006	Other	Sulfate as SO4	mg/l	150	400		

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
SA2-MW-8-D	7/6/2006	Other	Total Organic Carbon	mg/l	1.8			
SITE Q SOUTH								
GW-AA-Q-6-84	7/29/2002	VOCs	1,1,1-Trichloroethane	ug/L	5	200	U	
GW-AA-Q-6-84	7/29/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	5		U	
GW-AA-Q-6-84	7/29/2002	VOCs	1,1,2-Trichloroethane	ug/L	5	5	U	
GW-AA-Q-6-84	7/29/2002	VOCs	1,1-Dichloroethane	ug/L	5	700	U	
GW-AA-Q-6-84	7/29/2002	VOCs	1,1-Dichloroethylene	ug/L	5	7	U	
GW-AA-Q-6-84	7/29/2002	VOCs	1,2-Dichloroethane	ug/L	5	5	U	
GW-AA-Q-6-84	7/29/2002	VOCs	1,2-Dichloroethene (total)	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	VOCs	1,2-Dichloropropane	ug/L	5	5	U	
GW-AA-Q-6-84	7/29/2002	VOCs	2-Butanone (MEK)	ug/L	50		U	
GW-AA-Q-6-84	7/29/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	50		U	
GW-AA-Q-6-84	7/29/2002	VOCs	Acetone	ug/L	120	6300	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Benzene	ug/L	580	5		
GW-AA-Q-6-84	7/29/2002	VOCs	Bromodichloromethane	ug/L	5	0.2	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Bromoform	ug/L	5	1	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Bromomethane	ug/L	5	9.8	U	UJ
GW-AA-Q-6-84	7/29/2002	VOCs	Carbon Disulfide	ug/L	5	700	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Carbon Tetrachloride	ug/L	5	5	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Chlorobenzene	ug/L	5	100	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Chlorodibromomethane	ug/L	5	140	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Chloroethane	ug/L	5		U	
GW-AA-Q-6-84	7/29/2002	VOCs	Chloroform	ug/L	5	0.2	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Chloromethane	ug/L	1.5		J	
GW-AA-Q-6-84	7/29/2002	VOCs	cis-1,3-Dichloropropene	ug/L	5		U	
GW-AA-Q-6-84	7/29/2002	VOCs	Dichloromethane	ug/L	25	5	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Ethylbenzene	ug/L	9.1	700		
GW-AA-Q-6-84	7/29/2002	VOCs	Methyl N-Butyl Ketone	ug/L	50		U	
GW-AA-Q-6-84	7/29/2002	VOCs	Styrene (Monomer)	ug/L	5	100	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Tetrachloroethene	ug/L	5	5	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Toluene	ug/L	9.4	1000		
GW-AA-Q-6-84	7/29/2002	VOCs	trans-1,3-Dichloropropene	ug/L	5		U	
GW-AA-Q-6-84	7/29/2002	VOCs	Trichloroethene	ug/L	5	5	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Vinyl chloride	ug/L	5	2	U	
GW-AA-Q-6-84	7/29/2002	VOCs	Xylenes, Total	ug/L	11	10000		
GW-AA-Q-6-84	7/29/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2-Methylnaphthalene	ug/L	20			
GW-AA-Q-6-84	7/29/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-84	7/29/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Carbazole	ug/L	1.2		J	
GW-AA-Q-6-84	7/29/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Naphthalene	ug/L	2.2	140	J	
GW-AA-Q-6-84	7/29/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Phenol	ug/L	24	100		
GW-AA-Q-6-84	7/29/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-84	7/29/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-6-94	7/29/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-6-94	7/29/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-6-94	7/29/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-6-94	7/29/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-6-94	7/29/2002	VOCs	1,1-Dichloroethylene	ug/L	0.37	7	J	
GW-AA-Q-6-94	7/29/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-6-94	7/29/2002	VOCs	1,2-Dichloroethene (total)	ug/L	0.37		J	
GW-AA-Q-6-94	7/29/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-6-94	7/29/2002	VOCs	2-Butanone (MEK)	ug/L	3.1		J	
GW-AA-Q-6-94	7/29/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-6-94	7/29/2002	VOCs	Benzene	ug/L	84	5		
GW-AA-Q-6-94	7/29/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-6-94	7/29/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-6-94	7/29/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-6-94	7/29/2002	VOCs	Carbon Disulfide	ug/L	0.67	700	J	
GW-AA-Q-6-94	7/29/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-94	7/29/2002	VOCs	Chlorobenzene	ug/L	0.58	100	J	
GW-AA-Q-6-94	7/29/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-6-94	7/29/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-6-94	7/29/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-6-94	7/29/2002	VOCs	Chloromethane	ug/L	1		U	U
GW-AA-Q-6-94	7/29/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-6-94	7/29/2002	VOCs	Dichloromethane	ug/L	1.2	5	J	
GW-AA-Q-6-94	7/29/2002	VOCs	Ethylbenzene	ug/L	1.4	700		
GW-AA-Q-6-94	7/29/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-6-94	7/29/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-6-94	7/29/2002	VOCs	Toluene	ug/L	1.1	1000		
GW-AA-Q-6-94	7/29/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-6-94	7/29/2002	VOCs	Trichloroethene	ug/L	0.76	5	J	
GW-AA-Q-6-94	7/29/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-6-94	7/29/2002	VOCs	Xylenes, Total	ug/L	2.8	10000		
GW-AA-Q-6-94	7/29/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2-Methylnaphthalene	ug/L	2		J	
GW-AA-Q-6-94	7/29/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-94	7/29/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Phenol	ug/L	3.2	100	J	
GW-AA-Q-6-94	7/29/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-94	7/29/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-6-104	7/29/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-6-104	7/29/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-6-104	7/29/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-6-104	7/29/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-6-104	7/29/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-6-104	7/29/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-6-104	7/29/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-6-104	7/29/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-6-104	7/29/2002	VOCs	2-Butanone (MEK)	ug/L	2.3		J	
GW-AA-Q-6-104	7/29/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Benzene	ug/L	110	5		
GW-AA-Q-6-104	7/29/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-6-104	7/29/2002	VOCs	Carbon Disulfide	ug/L	0.33	700	J	
GW-AA-Q-6-104	7/29/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-6-104	7/29/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-6-104	7/29/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-6-104	7/29/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Ethylbenzene	ug/L	1.4	700		
GW-AA-Q-6-104	7/29/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Toluene	ug/L	0.66	1000	J	
GW-AA-Q-6-104	7/29/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-6-104	7/29/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-6-104	7/29/2002	VOCs	Xylenes, Total	ug/L	0.9	10000	J	
GW-AA-Q-6-104	7/29/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-104	7/29/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2-Methylnaphthalene	ug/L	2.6		J	
GW-AA-Q-6-104	7/29/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Phenol	ug/L	7	100	J	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-104	7/29/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-104	7/29/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-6-104	7/29/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-6-104	7/29/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-6-104	7/29/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-6-104	7/29/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-6-104	7/29/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-6-104	7/29/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-6-104	7/29/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-6-104	7/29/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-6-104	7/29/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-6-104	7/29/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-6-104	7/29/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	
GW-AA-Q-6-104	7/29/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-Q-6-104	7/29/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Endrin	ug/L	0.1	2	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-Q-6-104	7/29/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-Q-6-104	7/29/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-Q-6-104	7/29/2002	Herbicides	2,4,5-T	ug/L	0.5		U	UJ
GW-AA-Q-6-104	7/29/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	UJ
GW-AA-Q-6-104	7/29/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-Q-6-104	7/29/2002	Herbicides	2,4-DB	ug/L	0.5		U	UJ
GW-AA-Q-6-104	7/29/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-6-104	7/29/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-6-104	7/29/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-6-104	7/29/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-6-104	7/29/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-6-104	7/29/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	UJ
GW-AA-Q-6-104	7/29/2002	Metals	Aluminum	mg/l	3.7		N	J
GW-AA-Q-6-104	7/29/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-6-104	7/29/2002	Metals	Arsenic	mg/l	0.003	0.05	B	
GW-AA-Q-6-104	7/29/2002	Metals	Barium	mg/l	0.29	2		
GW-AA-Q-6-104	7/29/2002	Metals	Beryllium	mg/l	0.00048	0.004	B	
GW-AA-Q-6-104	7/29/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-6-104	7/29/2002	Metals	Calcium	mg/l	160			
GW-AA-Q-6-104	7/29/2002	Metals	Chromium	mg/l	0.028	0.1		
GW-AA-Q-6-104	7/29/2002	Metals	Cobalt	mg/l	0.0019	1	B	
GW-AA-Q-6-104	7/29/2002	Metals	Copper	mg/l	0.0086	0.65	B	
GW-AA-Q-6-104	7/29/2002	Metals	Iron	mg/l	30	5		
GW-AA-Q-6-104	7/29/2002	Metals	Lead	mg/l	0.0047	0.0075	B	
GW-AA-Q-6-104	7/29/2002	Metals	Magnesium	mg/l	43			
GW-AA-Q-6-104	7/29/2002	Metals	Manganese	mg/l	2.2	0.15		
GW-AA-Q-6-104	7/29/2002	Metals	Mercury	mg/l	0.0002	2	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-104	7/29/2002	Metals	Nickel	mg/l	0.0078	0.1	B	
GW-AA-Q-6-104	7/29/2002	Metals	Potassium	mg/l	12		N	J
GW-AA-Q-6-104	7/29/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-6-104	7/29/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-6-104	7/29/2002	Metals	Sodium	mg/l	24		N	J
GW-AA-Q-6-104	7/29/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-6-104	7/29/2002	Metals	Vanadium	mg/l	0.008	0.049	B	
GW-AA-Q-6-104	7/29/2002	Metals	Zinc	mg/l	0.021	5		
GW-AA-Q-6-104	7/29/2002	Other	Alkalinity, Total (as CACO3)	mg/l	440			
GW-AA-Q-6-104	7/29/2002	Other	Carbon Dioxide	mg/l	9.7			
GW-AA-Q-6-104	7/29/2002	Other	Methane	ug/L	240			
GW-AA-Q-6-104	7/29/2002	Other	Nitrate-N	mg/l	0.05	10	U	UJ
GW-AA-Q-6-104	7/29/2002	Other	Sulfate as SO4	mg/l	120	400		
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Phenol	ug/L	9.5	100	J	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-104-Filtered	7/29/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Aluminum	mg/l	0.18		BN	J
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Barium	mg/l	0.24	2		
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Beryllium	mg/l	0.00034	0.004	B	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Calcium	mg/l	150			
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Copper	mg/l	0.02	0.65	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Iron	mg/l	23	5		
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Magnesium	mg/l	42			
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Manganese	mg/l	2.1	0.15		
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Nickel	mg/l	0.04	0.1	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Potassium	mg/l	11		N	J
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Sodium	mg/l	24		N	J
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Vanadium	mg/l	0.01	0.049	U	
GW-AA-Q-6-104-Filtered	7/29/2002	Metals	Zinc	mg/l	0.0055	5	B	
GW-AA-Q-6-110	7/29/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-6-110	7/29/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-6-110	7/29/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-6-110	7/29/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-6-110	7/29/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-6-110	7/29/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-6-110	7/29/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-6-110	7/29/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-6-110	7/29/2002	VOCs	2-Butanone (MEK)	ug/L	1.4		J	
GW-AA-Q-6-110	7/29/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Benzene	ug/L	39	5		
GW-AA-Q-6-110	7/29/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-110	7/29/2002	VOCs	Carbon Disulfide	ug/L	0.38	700	J	
GW-AA-Q-6-110	7/29/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Chlorobenzene	ug/L	0.55	100	J	
GW-AA-Q-6-110	7/29/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-6-110	7/29/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Chloromethane	ug/L	1		U	U
GW-AA-Q-6-110	7/29/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-6-110	7/29/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Ethylbenzene	ug/L	1.1	700		
GW-AA-Q-6-110	7/29/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Toluene	ug/L	0.48	1000	J	
GW-AA-Q-6-110	7/29/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-6-110	7/29/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-6-110	7/29/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2-Methylnaphthalene	ug/L	2		J	
GW-AA-Q-6-110	7/29/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-110	7/29/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Phenol	ug/L	3	100	J	
GW-AA-Q-6-110	7/29/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-110	7/29/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-6-110	7/29/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-6-110	7/29/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-6-110	7/29/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-6-110	7/29/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-6-110	7/29/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-6-110	7/29/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-6-110	7/29/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-6-110	7/29/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-6-110	7/29/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-6-110	7/29/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-6-110	7/29/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-6-110	7/29/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-6-110	7/29/2002	Herbicides	2,4,5-T	ug/L	0.5		U	UJ
GW-AA-Q-6-110	7/29/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	UJ
GW-AA-Q-6-110	7/29/2002	Herbicides	2,4-D	ug/L	1	70		
GW-AA-Q-6-110	7/29/2002	Herbicides	2,4-DB	ug/L	0.5		U	UJ

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-110	7/29/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-6-110	7/29/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-6-110	7/29/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-6-110	7/29/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-6-110	7/29/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-6-110	7/29/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	U
GW-AA-Q-6-110	7/29/2002	Metals	Aluminum	mg/l	13		N	J
GW-AA-Q-6-110	7/29/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-6-110	7/29/2002	Metals	Arsenic	mg/l	0.0066	0.05	B	
GW-AA-Q-6-110	7/29/2002	Metals	Barium	mg/l	0.57	2		
GW-AA-Q-6-110	7/29/2002	Metals	Beryllium	mg/l	0.0015	0.004	B	
GW-AA-Q-6-110	7/29/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-6-110	7/29/2002	Metals	Calcium	mg/l	310			
GW-AA-Q-6-110	7/29/2002	Metals	Chromium	mg/l	0.11	0.1		
GW-AA-Q-6-110	7/29/2002	Metals	Cobalt	mg/l	0.005	1	B	
GW-AA-Q-6-110	7/29/2002	Metals	Copper	mg/l	0.028	0.65		
GW-AA-Q-6-110	7/29/2002	Metals	Iron	mg/l	78	5		
GW-AA-Q-6-110	7/29/2002	Metals	Lead	mg/l	0.0095	0.0075		
GW-AA-Q-6-110	7/29/2002	Metals	Magnesium	mg/l	86			
GW-AA-Q-6-110	7/29/2002	Metals	Manganese	mg/l	4.9	0.15		
GW-AA-Q-6-110	7/29/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-6-110	7/29/2002	Metals	Nickel	mg/l	0.024	0.1	B	
GW-AA-Q-6-110	7/29/2002	Metals	Potassium	mg/l	25		N	J
GW-AA-Q-6-110	7/29/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-6-110	7/29/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-6-110	7/29/2002	Metals	Sodium	mg/l	52		N	J
GW-AA-Q-6-110	7/29/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-6-110	7/29/2002	Metals	Vanadium	mg/l	0.023	0.049		
GW-AA-Q-6-110	7/29/2002	Metals	Zinc	mg/l	0.051	5		
GW-AA-Q-6-110	7/29/2002	Other	Alkalinity, Total (as CACO3)	mg/l	450			
GW-AA-Q-6-110	7/29/2002	Other	Carbon Dioxide	mg/l	9.3			
GW-AA-Q-6-110	7/29/2002	Other	Methane	ug/L	900			
GW-AA-Q-6-110	7/29/2002	Other	Nitrate-N	mg/l	0.05	10	U	UJ
GW-AA-Q-6-110	7/29/2002	Other	Sulfate as SO4	mg/l	680	400		
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Phenol	ug/L	4.4	100	J	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-6-110-Filtered	7/29/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Aluminum	mg/l	0.82		N	J
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Barium	mg/l	0.39	2		
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Beryllium	mg/l	0.0012	0.004	B	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Calcium	mg/l	320			
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Chromium	mg/l	0.006	0.1	B	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Copper	mg/l	0.02	0.65	U	U
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Iron	mg/l	65	5		
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Magnesium	mg/l	87			
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Manganese	mg/l	4.9	0.15		
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Nickel	mg/l	0.04	0.1	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Potassium	mg/l	23		N	J
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Selenium	mg/l	0.01	0.05	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Sodium	mg/l	53		N	J
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Vanadium	mg/l	0.01	0.049	U	
GW-AA-Q-6-110-Filtered	7/29/2002	Metals	Zinc	mg/l	0.013	5	B	
GW-AA-Q-7-84	7/24/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-7-84	7/24/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-7-84	7/24/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-7-84	7/24/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-7-84	7/24/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-7-84	7/24/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-7-84	7/24/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-7-84	7/24/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-7-84	7/24/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-7-84	7/24/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Chlorobenzene	ug/L	33	100		
GW-AA-Q-7-84	7/24/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Chloroethane	ug/L	0.82		J	
GW-AA-Q-7-84	7/24/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-7-84	7/24/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-7-84	7/24/2002	VOCs	Dichloromethane	ug/L	1	5	J	
GW-AA-Q-7-84	7/24/2002	VOCs	Ethylbenzene	ug/L	0.95	700	J	
GW-AA-Q-7-84	7/24/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-7-84	7/24/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-7-84	7/24/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-7-84	7/24/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-84	7/24/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	U
GW-AA-Q-7-84	7/24/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	U
GW-AA-Q-7-84	7/24/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	U
GW-AA-Q-7-84	7/24/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-7-84	7/24/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-84	7/24/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.00000071		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.00000046		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.00000031		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.00000046		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.00000054		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.00000047		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.00000031		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.00000041		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.00000031		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.00000032		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.00000065		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000003		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.00000032		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-84	7/24/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.00000032		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.00000066		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	OCDD	ug/L	0.000006		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	OCDF	ug/L	0.00000083		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	Total HpCDD	ug/L	0.00000084		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	Total HpCDF	ug/L	0.00000046		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	Total HxCDD	ug/L	0.0000013		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	Total HxCDF	ug/L	0.00000054		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	Total PeCDD	ug/L	0.00000076		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	Total PeCDF	ug/L	0.00000032		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	Total TCDD	ug/L	0.0000012		U	
GW-AA-Q-7-84	7/24/2002	Dioxins	Total TCDF	ug/L	0.00000066		U	
GW-AA-Q-7-94	7/30/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-7-94	7/30/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-7-94	7/30/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-7-94	7/30/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-7-94	7/30/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-7-94	7/30/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-7-94	7/30/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-7-94	7/30/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-7-94	7/30/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-7-94	7/30/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	U
GW-AA-Q-7-94	7/30/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Chlorobenzene	ug/L	5.7	100		
GW-AA-Q-7-94	7/30/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-7-94	7/30/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-7-94	7/30/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-7-94	7/30/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Ethylbenzene	ug/L	0.89	700	J	
GW-AA-Q-7-94	7/30/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Toluene	ug/L	0.3	1000	J	
GW-AA-Q-7-94	7/30/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-7-94	7/30/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-7-94	7/30/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-94	7/30/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-7-94	7/30/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-94	7/30/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-7-104	7/30/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-7-104	7/30/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-7-104	7/30/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-7-104	7/30/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-7-104	7/30/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-7-104	7/30/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-104	7/30/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-7-104	7/30/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-7-104	7/30/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Benzene	ug/L	0.35	5	J	
GW-AA-Q-7-104	7/30/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-7-104	7/30/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Chlorobenzene	ug/L	8.8	100		
GW-AA-Q-7-104	7/30/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-7-104	7/30/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Chloromethane	ug/L	0.5		J	J
GW-AA-Q-7-104	7/30/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-7-104	7/30/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Ethylbenzene	ug/L	1	700		
GW-AA-Q-7-104	7/30/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-7-104	7/30/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-7-104	7/30/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-7-104	7/30/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-104	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-7-104	7/30/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-104	7/30/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-7-104	7/30/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-7-104	7/30/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-7-104	7/30/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-7-104	7/30/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-7-104	7/30/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-7-104	7/30/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-7-104	7/30/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-7-104	7/30/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-7-104	7/30/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-7-104	7/30/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-7-104	7/30/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-104	7/30/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-7-104	7/30/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-7-104	7/30/2002	Herbicides	2,4,5-T	ug/L	0.5		U	UJ
GW-AA-Q-7-104	7/30/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	UJ
GW-AA-Q-7-104	7/30/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-Q-7-104	7/30/2002	Herbicides	2,4-DB	ug/L	0.5		U	UJ
GW-AA-Q-7-104	7/30/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-7-104	7/30/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-7-104	7/30/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-7-104	7/30/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-7-104	7/30/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-7-104	7/30/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	UJ
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000013		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.00000088		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.0000011		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000015		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.0000012		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000013		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.000001		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000013		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000013		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000012		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000018		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000012		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.0000011		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.00000094		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000017		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	OCDD	ug/L	0.0000085		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	OCDF	ug/L	0.0000015		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	Total HpCDD	ug/L	0.0000013		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	Total HpCDF	ug/L	0.0000011		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	Total HxCDD	ug/L	0.0000015		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	Total HxCDF	ug/L	0.0000013		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	Total PeCDD	ug/L	0.0000018		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	Total PeCDF	ug/L	0.0000016		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	Total TCDD	ug/L	0.00000094		U	
GW-AA-Q-7-104	7/30/2002	Dioxins	Total TCDF	ug/L	0.0000017		U	
GW-AA-Q-7-104	7/30/2002	Metals	Aluminum	mg/l	0.18		B	J
GW-AA-Q-7-104	7/30/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-7-104	7/30/2002	Metals	Arsenic	mg/l	0.012	0.05		
GW-AA-Q-7-104	7/30/2002	Metals	Barium	mg/l	0.64	2		
GW-AA-Q-7-104	7/30/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-7-104	7/30/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-7-104	7/30/2002	Metals	Calcium	mg/l	150			
GW-AA-Q-7-104	7/30/2002	Metals	Chromium	mg/l	0.0081	0.1	B	
GW-AA-Q-7-104	7/30/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-7-104	7/30/2002	Metals	Copper	mg/l	0.0037	0.65	B	
GW-AA-Q-7-104	7/30/2002	Metals	Iron	mg/l	25	5		
GW-AA-Q-7-104	7/30/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-7-104	7/30/2002	Metals	Magnesium	mg/l	34			
GW-AA-Q-7-104	7/30/2002	Metals	Manganese	mg/l	1.3	0.15		
GW-AA-Q-7-104	7/30/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-7-104	7/30/2002	Metals	Nickel	mg/l	0.0048	0.1	B	
GW-AA-Q-7-104	7/30/2002	Metals	Potassium	mg/l	10			J

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-104	7/30/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-7-104	7/30/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-7-104	7/30/2002	Metals	Sodium	mg/l	15			J
GW-AA-Q-7-104	7/30/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-7-104	7/30/2002	Metals	Vanadium	mg/l	0.0012	0.049	B	
GW-AA-Q-7-104	7/30/2002	Metals	Zinc	mg/l	0.015	5	B	
GW-AA-Q-7-104	7/30/2002	Other	Alkalinity, Total (as CACO3)	mg/l	500			
GW-AA-Q-7-104	7/30/2002	Other	Carbon Dioxide	mg/l	23			
GW-AA-Q-7-104	7/30/2002	Other	Methane	ug/L	470			J
GW-AA-Q-7-104	7/30/2002	Other	Nitrate-N	mg/l	0.05	10	U	
GW-AA-Q-7-104	7/30/2002	Other	Sulfate as SO4	mg/l	5	400	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Benzene	ug/L	0.31	5	J	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Chlorobenzene	ug/L	8.6	100		
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Ethylbenzene	ug/L	0.85	700	J	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Toluene	ug/L	0.35	1000	J	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-7-104-DUP	7/30/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	0.63	0.3	J	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	0.67	0.43	J	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-104-DUP	7/30/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-7-104-DUP	7/30/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-7-104-DUP	7/30/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-7-104-DUP	7/30/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-7-104-DUP	7/30/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-7-104-DUP	7/30/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-7-104-DUP	7/30/2002	PCBs	Nonachlorobiphenyl	ug/L	0.04		J	
GW-AA-Q-7-104-DUP	7/30/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-7-104-DUP	7/30/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-104-DUP	7/30/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-7-104-DUP	7/30/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Herbicides	2,4,5-T	ug/L	0.5		U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-Q-7-104-DUP	7/30/2002	Herbicides	2,4-DB	ug/L	0.5		U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-7-104-DUP	7/30/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-7-104-DUP	7/30/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-7-104-DUP	7/30/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-7-104-DUP	7/30/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-7-104-DUP	7/30/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	UJ
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.0000011		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,4,6,7,8-HpCDF	ug/L	0.00000074		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,4,7,8,9-HpCDF	ug/L	0.00000091		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000013		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,4,7,8-HxCDF	ug/L	0.000001		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000012		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,6,7,8-HxCDF	ug/L	0.00000093		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000011		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,7,8,9-HxCDF	ug/L	0.0000012		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.00000079		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000018		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	2,3,4,6,7,8-HxCDF	ug/L	0.0000011		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	2,3,4,7,8-PeCDF	ug/L	0.00000076		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	2,3,7,8-TCDD	ug/L	0.00000088		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.0000017		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	OCDD	ug/L	0.000004		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	OCDF	ug/L	0.0000014		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	Total HpCDD	ug/L	0.0000011		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	Total HpCDF	ug/L	0.00000091		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	Total HxCDD	ug/L	0.0000013		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	Total HxCDF	ug/L	0.0000012		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	Total PeCDD	ug/L	0.0000018		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	Total PeCDF	ug/L	0.0000017		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	Total TCDD	ug/L	0.00000088		U	
GW-AA-Q-7-104-DUP	7/30/2002	Dioxins	Total TCDF	ug/L	0.0000017		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Aluminum	mg/l	0.35			J
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Arsenic	mg/l	0.0073	0.05	B	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Barium	mg/l	0.62	2		
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Calcium	mg/l	140			
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Chromium	mg/l	0.0075	0.1	B	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Copper	mg/l	0.0024	0.65	B	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Iron	mg/l	25	5		
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Magnesium	mg/l	33			
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Manganese	mg/l	1.2	0.15		
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Nickel	mg/l	0.0059	0.1	B	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Potassium	mg/l	10			J
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Sodium	mg/l	15			J
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Vanadium	mg/l	0.0019	0.049	B	
GW-AA-Q-7-104-DUP	7/30/2002	Metals	Zinc	mg/l	0.015	5	B	
GW-AA-Q-7-104-DUP	7/30/2002	Other	Alkalinity, Total (as CACO3)	mg/l	540			
GW-AA-Q-7-104-DUP	7/30/2002	Other	Carbon Dioxide	mg/l	15			
GW-AA-Q-7-104-DUP	7/30/2002	Other	Methane	ug/L	660			J
GW-AA-Q-7-104-DUP	7/30/2002	Other	Nitrate-N	mg/l	0.014	10	B	
GW-AA-Q-7-104-DUP	7/30/2002	Other	Sulfate as SO4	mg/l	5	400	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-7-104-Filtered	7/30/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Arsenic	mg/l	0.0077	0.05	B	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Barium	mg/l	0.66	2		
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Calcium	mg/l	150			
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Copper	mg/l	0.02	0.65	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Iron	mg/l	26	5		
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Magnesium	mg/l	35			
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Manganese	mg/l	1.3	0.15		
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Nickel	mg/l	0.0046	0.1	B	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Potassium	mg/l	11			J
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Sodium	mg/l	16			J
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Vanadium	mg/l	0.01	0.049	U	
GW-AA-Q-7-104-Filtered	7/30/2002	Metals	Zinc	mg/l	0.011	5	B	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
DUP	7/30/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
DUP	7/30/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
DUP	7/30/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
DUP	7/30/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
DUP	7/30/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
DUP	7/30/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
DUP	7/30/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
DUP	7/30/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
DUP	7/30/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
DUP	7/30/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
DUP	7/30/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
DUP	7/30/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
DUP	7/30/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
DUP	7/30/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
DUP	7/30/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
DUP	7/30/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
DUP	7/30/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
DUP	7/30/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
DUP	7/30/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
DUP	7/30/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
DUP	7/30/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
DUP	7/30/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
DUP	7/30/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
DUP	7/30/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
DUP	7/30/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
DUP	7/30/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
DUP	7/30/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
DUP	7/30/2002	SVOCs	Acenaphthylene	ug/L	10		U	
DUP	7/30/2002	SVOCs	Anthracene	ug/L	10	2100	U	
DUP	7/30/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
DUP	7/30/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
DUP	7/30/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
DUP	7/30/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
DUP	7/30/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
DUP	7/30/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
DUP	7/30/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
DUP	7/30/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
DUP	7/30/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
DUP	7/30/2002	SVOCs	Carbazole	ug/L	10		U	
DUP	7/30/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
DUP	7/30/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
DUP	7/30/2002	SVOCs	Dibenzofuran	ug/L	10		U	
DUP	7/30/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
DUP	7/30/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
DUP	7/30/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
DUP	7/30/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
DUP	7/30/2002	SVOCs	Dinoseb	ug/L	10	7	U	
DUP	7/30/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
DUP	7/30/2002	SVOCs	Fluorene	ug/L	10	280	U	
DUP	7/30/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
DUP	7/30/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
DUP	7/30/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
DUP	7/30/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
DUP	7/30/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
DUP	7/30/2002	SVOCs	Isophorone	ug/L	10	1400	U	
DUP	7/30/2002	SVOCs	Naphthalene	ug/L	10	140	U	
DUP	7/30/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
DUP	7/30/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
DUP	7/30/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
DUP	7/30/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
DUP	7/30/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
DUP	7/30/2002	SVOCs	Phenanthrene	ug/L	10		U	
DUP	7/30/2002	SVOCs	Phenol	ug/L	10	100	U	
DUP	7/30/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
DUP	7/30/2002	SVOCs	Pyrene	ug/L	10	210	U	
DUP	7/30/2002	Metals	Aluminum	mg/l	0.2		U	U
DUP	7/30/2002	Metals	Antimony	mg/l	0.02	0.006	U	
DUP	7/30/2002	Metals	Arsenic	mg/l	0.0052	0.05	B	
DUP	7/30/2002	Metals	Barium	mg/l	0.62	2		
DUP	7/30/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
DUP	7/30/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
DUP	7/30/2002	Metals	Calcium	mg/l	140			
DUP	7/30/2002	Metals	Chromium	mg/l	0.01	0.1	U	
DUP	7/30/2002	Metals	Cobalt	mg/l	0.01	1	U	
DUP	7/30/2002	Metals	Copper	mg/l	0.00098	0.65	B	
DUP	7/30/2002	Metals	Iron	mg/l	25	5		
DUP	7/30/2002	Metals	Lead	mg/l	0.005	0.0075	U	
DUP	7/30/2002	Metals	Magnesium	mg/l	33			
DUP	7/30/2002	Metals	Manganese	mg/l	1.2	0.15		
DUP	7/30/2002	Metals	Mercury	mg/l	0.0002	2	U	
DUP	7/30/2002	Metals	Nickel	mg/l	0.0044	0.1	B	
DUP	7/30/2002	Metals	Potassium	mg/l	10			J
DUP	7/30/2002	Metals	Selenium	mg/l	0.01	0.05	U	
DUP	7/30/2002	Metals	Silver	mg/l	0.01	0.05	U	
DUP	7/30/2002	Metals	Sodium	mg/l	15			J
DUP	7/30/2002	Metals	Thallium	mg/l	0.01	0.002	U	
DUP	7/30/2002	Metals	Vanadium	mg/l	0.001	0.049	B	
DUP	7/30/2002	Metals	Zinc	mg/l	0.01	5	B	
GW-AA-Q-8-84	8/1/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-8-84	8/1/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-8-84	8/1/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-8-84	8/1/2002	VOCs	1,1-Dichloroethane	ug/L	0.32	700	J	
GW-AA-Q-8-84	8/1/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-8-84	8/1/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-8-84	8/1/2002	VOCs	1,2-Dichloroethene (total)	ug/L	1.4		J	
GW-AA-Q-8-84	8/1/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-8-84	8/1/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-8-84	8/1/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-8-84	8/1/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Chloromethane	ug/L	1		U	
GW-AA-Q-8-84	8/1/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-8-84	8/1/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Ethylbenzene	ug/L	1	700	U	U
GW-AA-Q-8-84	8/1/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-84	8/1/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-8-84	8/1/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-8-84	8/1/2002	VOCs	Trichloroethene	ug/L	0.41	5	J	
GW-AA-Q-8-84	8/1/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-8-84	8/1/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-84	8/1/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-8-84	8/1/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-84	8/1/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-8-94	8/1/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-8-94	8/1/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-8-94	8/1/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-8-94	8/1/2002	VOCs	1,1-Dichloroethane	ug/L	0.43	700	J	
GW-AA-Q-8-94	8/1/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-8-94	8/1/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-8-94	8/1/2002	VOCs	1,2-Dichloroethene (total)	ug/L	1.1		J	
GW-AA-Q-8-94	8/1/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-8-94	8/1/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-8-94	8/1/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-8-94	8/1/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Chloromethane	ug/L	1		U	U
GW-AA-Q-8-94	8/1/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-8-94	8/1/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-8-94	8/1/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-8-94	8/1/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-8-94	8/1/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-94	8/1/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-8-94	8/1/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-94	8/1/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-8-104	8/2/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-8-104	8/2/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-8-104	8/2/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-8-104	8/2/2002	VOCs	1,1-Dichloroethane	ug/L	0.35	700	J	
GW-AA-Q-8-104	8/2/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-8-104	8/2/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-104	8/2/2002	VOCs	1,2-Dichloroethene (total)	ug/L	0.54		J	
GW-AA-Q-8-104	8/2/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-8-104	8/2/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-8-104	8/2/2002	VOCs	Carbon Disulfide	ug/L	1	700	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-8-104	8/2/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Chloromethane	ug/L	0.24		J	J
GW-AA-Q-8-104	8/2/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-8-104	8/2/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-8-104	8/2/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-8-104	8/2/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Vinyl chloride	ug/L	1	2	U	
GW-AA-Q-8-104	8/2/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-104	8/2/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-8-104	8/2/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-104	8/2/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-8-104	8/2/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-8-104	8/2/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-8-104	8/2/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-8-104	8/2/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-8-104	8/2/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-8-104	8/2/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-8-104	8/2/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-8-104	8/2/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-8-104	8/2/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-8-104	8/2/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-8-104	8/2/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Aldrin	ug/L	0.05	14	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	beta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	delta-BHC	ug/L	0.05		U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Endrin	ug/L	0.1	2	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	UJ

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-104	8/2/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	UJ
GW-AA-Q-8-104	8/2/2002	Pesticides	Toxaphene	ug/L	5	3	U	UJ
GW-AA-Q-8-104	8/2/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-8-104	8/2/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-8-104	8/2/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-Q-8-104	8/2/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-Q-8-104	8/2/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-8-104	8/2/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-8-104	8/2/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-8-104	8/2/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-8-104	8/2/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-8-104	8/2/2002	Herbicides	Pentachlorophenol	ug/L	1	1	JB	U
GW-AA-Q-8-104	8/2/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-8-104	8/2/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-8-104	8/2/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-8-104	8/2/2002	Metals	Barium	mg/l	0.24	2		
GW-AA-Q-8-104	8/2/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-8-104	8/2/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-8-104	8/2/2002	Metals	Calcium	mg/l	130			
GW-AA-Q-8-104	8/2/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-8-104	8/2/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-8-104	8/2/2002	Metals	Copper	mg/l	0.0027	0.65	B	
GW-AA-Q-8-104	8/2/2002	Metals	Iron	mg/l	10	5		
GW-AA-Q-8-104	8/2/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-8-104	8/2/2002	Metals	Magnesium	mg/l	31			
GW-AA-Q-8-104	8/2/2002	Metals	Manganese	mg/l	0.64	0.15		
GW-AA-Q-8-104	8/2/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-8-104	8/2/2002	Metals	Nickel	mg/l	0.0064	0.1	B	
GW-AA-Q-8-104	8/2/2002	Metals	Potassium	mg/l	5.8			
GW-AA-Q-8-104	8/2/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-8-104	8/2/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-8-104	8/2/2002	Metals	Sodium	mg/l	17			
GW-AA-Q-8-104	8/2/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-8-104	8/2/2002	Metals	Vanadium	mg/l	0.0014	0.049	B	
GW-AA-Q-8-104	8/2/2002	Metals	Zinc	mg/l	0.015	5	B	
GW-AA-Q-8-104	8/2/2002	Other	Alkalinity, Total (as CACO3)	mg/l	450			
GW-AA-Q-8-104	8/2/2002	Other	Carbon Dioxide	mg/l	30			
GW-AA-Q-8-104	8/2/2002	Other	Methane	ug/L	100			J
GW-AA-Q-8-104	8/2/2002	Other	Nitrate-N	mg/l	0.046	10	B	
GW-AA-Q-8-104	8/2/2002	Other	Sulfate as SO4	mg/l	41	400		
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-104-Filter	8/2/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Arsenic	mg/l	0.01	0.05	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Barium	mg/l	0.29	2		
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Calcium	mg/l	130			

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Copper	mg/l	0.0014	0.65	B	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Iron	mg/l	11	5		
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Magnesium	mg/l	32			
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Manganese	mg/l	0.86	0.15		
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Nickel	mg/l	0.0096	0.1	B	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Potassium	mg/l	6.4			
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Sodium	mg/l	17			
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Vanadium	mg/l	0.0011	0.049	B	
GW-AA-Q-8-104-Filter	8/2/2002	Metals	Zinc	mg/l	0.0096	5	B	
GW-AA-Q-8-111	8/2/2002	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
GW-AA-Q-8-111	8/2/2002	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
GW-AA-Q-8-111	8/2/2002	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
GW-AA-Q-8-111	8/2/2002	VOCs	1,1-Dichloroethane	ug/L	0.23	700	J	
GW-AA-Q-8-111	8/2/2002	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
GW-AA-Q-8-111	8/2/2002	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
GW-AA-Q-8-111	8/2/2002	VOCs	1,2-Dichloroethene (total)	ug/L	5.7			
GW-AA-Q-8-111	8/2/2002	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
GW-AA-Q-8-111	8/2/2002	VOCs	2-Butanone (MEK)	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	VOCs	Acetone	ug/L	25	6300	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Benzene	ug/L	1	5	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Bromoform	ug/L	1	1	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Bromomethane	ug/L	1	9.8	U	UJ
GW-AA-Q-8-111	8/2/2002	VOCs	Carbon Disulfide	ug/L	0.42	700	J	
GW-AA-Q-8-111	8/2/2002	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Chlorobenzene	ug/L	1	100	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Chlorodibromomethane	ug/L	1	140	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Chloroethane	ug/L	1		U	
GW-AA-Q-8-111	8/2/2002	VOCs	Chloroform	ug/L	1	0.2	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Chloromethane	ug/L	0.22		J	J
GW-AA-Q-8-111	8/2/2002	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-8-111	8/2/2002	VOCs	Dichloromethane	ug/L	5	5	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Ethylbenzene	ug/L	1	700	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	VOCs	Styrene (Monomer)	ug/L	1	100	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Tetrachloroethene	ug/L	1	5	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Toluene	ug/L	1	1000	U	
GW-AA-Q-8-111	8/2/2002	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
GW-AA-Q-8-111	8/2/2002	VOCs	Trichloroethene	ug/L	1	5	U	
GW-AA-Q-8-111	8/2/2002	VOCs	Vinyl chloride	ug/L	1.7	2		
GW-AA-Q-8-111	8/2/2002	VOCs	Xylenes, Total	ug/L	2	10000	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-111	8/2/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	UJ
GW-AA-Q-8-111	8/2/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	3-Nitroaniline	ug/L	50		U	UJ
GW-AA-Q-8-111	8/2/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	0.81		J	
GW-AA-Q-8-111	8/2/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	0.64	0.3	J	
GW-AA-Q-8-111	8/2/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	0.94	0.43	J	
GW-AA-Q-8-111	8/2/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-8-111	8/2/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-8-111	8/2/2002	SVOCs	P-Nitroaniline	ug/L	50		U	UJ
GW-AA-Q-8-111	8/2/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-8-111	8/2/2002	PCBs	Decachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-8-111	8/2/2002	PCBs	Dichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-8-111	8/2/2002	PCBs	Heptachlorobiphenyl	ug/L	0.3		U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-111	8/2/2002	PCBs	Hexachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-8-111	8/2/2002	PCBs	Monochlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-8-111	8/2/2002	PCBs	Nonachlorobiphenyl	ug/L	0.5		U	
GW-AA-Q-8-111	8/2/2002	PCBs	Octachlorobiphenyl	ug/L	0.3		U	
GW-AA-Q-8-111	8/2/2002	PCBs	Pentachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-8-111	8/2/2002	PCBs	Tetrachlorobiphenyl	ug/L	0.2		U	
GW-AA-Q-8-111	8/2/2002	PCBs	Trichlorobiphenyl	ug/L	0.1		U	
GW-AA-Q-8-111	8/2/2002	Pesticides	4,4'-DDD	ug/L	0.1	14	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	4,4'-DDE	ug/L	0.1	10	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	4,4'-DDT	ug/L	0.1	6	U	UJ
GW-AA-Q-8-111	8/2/2002	Pesticides	Aldrin	ug/L	0.05	14	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	alpha-BHC	ug/L	0.05	0.11	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	alpha-Chlordane	ug/L	0.05		U	
GW-AA-Q-8-111	8/2/2002	Pesticides	beta-BHC	ug/L	0.05		U	
GW-AA-Q-8-111	8/2/2002	Pesticides	delta-BHC	ug/L	0.05		U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Dieldrin	ug/L	0.1	9	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Endosulfan I	ug/L	0.05	42	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Endosulfan II	ug/L	0.1	42	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Endosulfan Sulfate	ug/L	0.1		U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Endrin	ug/L	0.1	2	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Endrin Aldehyde	ug/L	0.1		U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Endrin Ketone	ug/L	0.1		U	
GW-AA-Q-8-111	8/2/2002	Pesticides	gamma-BHC (Lindane)	ug/L	0.05	0.2	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	gamma-Chlordane	ug/L	0.05		U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Heptachlor	ug/L	0.05	0.4	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Heptachlor Epoxide	ug/L	0.05	0.2	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Methoxychlor	ug/L	0.5	40	U	
GW-AA-Q-8-111	8/2/2002	Pesticides	Toxaphene	ug/L	5	3	U	
GW-AA-Q-8-111	8/2/2002	Herbicides	2,4,5-T	ug/L	0.5		U	
GW-AA-Q-8-111	8/2/2002	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
GW-AA-Q-8-111	8/2/2002	Herbicides	2,4-D	ug/L	0.5	70	U	
GW-AA-Q-8-111	8/2/2002	Herbicides	2,4-DB	ug/L	0.5		U	
GW-AA-Q-8-111	8/2/2002	Herbicides	Dalapon	ug/L	120	200	U	
GW-AA-Q-8-111	8/2/2002	Herbicides	Dicamba	ug/L	1.2		U	
GW-AA-Q-8-111	8/2/2002	Herbicides	Dichlorprop	ug/L	6		U	
GW-AA-Q-8-111	8/2/2002	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
GW-AA-Q-8-111	8/2/2002	Herbicides	MCPP	ug/L	120		U	
GW-AA-Q-8-111	8/2/2002	Herbicides	Pentachlorophenol	ug/L	1	1	U	
GW-AA-Q-8-111	8/2/2002	Metals	Aluminum	mg/l	3			
GW-AA-Q-8-111	8/2/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-8-111	8/2/2002	Metals	Arsenic	mg/l	0.0065	0.05	B	
GW-AA-Q-8-111	8/2/2002	Metals	Barium	mg/l	0.39	2		
GW-AA-Q-8-111	8/2/2002	Metals	Beryllium	mg/l	0.00025	0.004	B	
GW-AA-Q-8-111	8/2/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-8-111	8/2/2002	Metals	Calcium	mg/l	130			
GW-AA-Q-8-111	8/2/2002	Metals	Chromium	mg/l	0.12	0.1		
GW-AA-Q-8-111	8/2/2002	Metals	Cobalt	mg/l	0.0044	1	B	
GW-AA-Q-8-111	8/2/2002	Metals	Copper	mg/l	0.026	0.65		
GW-AA-Q-8-111	8/2/2002	Metals	Iron	mg/l	42	5		
GW-AA-Q-8-111	8/2/2002	Metals	Lead	mg/l	0.0045	0.0075	B	
GW-AA-Q-8-111	8/2/2002	Metals	Magnesium	mg/l	33			
GW-AA-Q-8-111	8/2/2002	Metals	Manganese	mg/l	2.3	0.15		
GW-AA-Q-8-111	8/2/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-8-111	8/2/2002	Metals	Nickel	mg/l	0.024	0.1	B	
GW-AA-Q-8-111	8/2/2002	Metals	Potassium	mg/l	12			
GW-AA-Q-8-111	8/2/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-8-111	8/2/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-8-111	8/2/2002	Metals	Sodium	mg/l	26			

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-111	8/2/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-8-111	8/2/2002	Metals	Vanadium	mg/l	0.0067	0.049	B	
GW-AA-Q-8-111	8/2/2002	Metals	Zinc	mg/l	0.032	5		
GW-AA-Q-8-111	8/2/2002	Other	Alkalinity, Total (as CACO3)	mg/l	430			
GW-AA-Q-8-111	8/2/2002	Other	Carbon Dioxide	mg/l	33			
GW-AA-Q-8-111	8/2/2002	Other	Methane	ug/L	47			J
GW-AA-Q-8-111	8/2/2002	Other	Nitrate-N	mg/l	0.033	10	B	
GW-AA-Q-8-111	8/2/2002	Other	Sulfate as SO4	mg/l	75	400		
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	1,2,4-Trichlorobenzene	ug/L	10	70	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	1,2-Dichlorobenzene	ug/L	10	600	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	1,3-Dichlorobenzene	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	1,4-Dichlorobenzene	ug/L	10	75	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2,4,5-Trichlorophenol	ug/L	10	700	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2,4,6-Trichlorophenol	ug/L	10	10	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2,4-Dichlorophenol	ug/L	10	21	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2,4-Dimethylphenol	ug/L	10	140	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2,4-Dinitrophenol	ug/L	50	14	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2,4-Dinitrotoluene	ug/L	10	0.02	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2,6-Dinitrotoluene	ug/L	10	0.31	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2-Chloronaphthalene	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2-Chlorophenol	ug/L	10	35	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2-Methylnaphthalene	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2-Methylphenol (o-Cresol)	ug/L	10	350	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	2-Nitrophenol	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	3,3'-Dichlorobenzidine	ug/L	20	20	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	3-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	50		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	4-Chloro-3-methylphenol	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	4-Nitrophenol	ug/L	50		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Acenaphthene	ug/L	10	420	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Acenaphthylene	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Anthracene	ug/L	10	2100	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Benzo(a)anthracene	ug/L	10	0.13	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Benzo(a)pyrene	ug/L	10	0.2	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Benzo(b)fluoranthene	ug/L	10	0.18	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Benzo(g,h,i)perylene	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Benzo(k)fluoranthene	ug/L	10	0.17	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Benzyl Butyl Phthalate	ug/L	10	1400	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	bis(2-Chloroethoxy)methane	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	bis(2-Chloroethyl)ether	ug/L	10	10	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	10	6	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Carbazole	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Chrysene	ug/L	10	1.5	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Dibenzo(a,h)anthracene	ug/L	10	0.3	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Dibenzofuran	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Diethyl Phthalate	ug/L	10	5600	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Dimethyl Phthalate	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Di-n-butylphthalate	ug/L	10	700	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Di-n-octylphthalate	ug/L	10	140	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Dinoseb	ug/L	10	7	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Fluoranthene	ug/L	10	280	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Fluorene	ug/L	10	280	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Hexachlorobenzene	ug/L	10	0.06	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Hexachlorobutadiene	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Hexachlorocyclopentadiene	ug/L	10	50	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Hexachloroethane	ug/L	10	7	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	10	0.43	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Isophorone	ug/L	10	1400	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Naphthalene	ug/L	10	140	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Nitrobenzene	ug/L	10	3.5	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	N-Nitroso-di-n-propylamine	ug/L	10	1.8	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	N-Nitrosodiphenylamine	ug/L	10	3.2	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	P-Chloroaniline	ug/L	20	28	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Pentachlorophenol	ug/L	50	1	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Phenanthrene	ug/L	10		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Phenol	ug/L	10	100	U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	P-Nitroaniline	ug/L	50		U	
GW-AA-Q-8-111-Filter	8/2/2002	SVOCs	Pyrene	ug/L	10	210	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Aluminum	mg/l	0.2		U	U
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Antimony	mg/l	0.02	0.006	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Arsenic	mg/l	0.0064	0.05	B	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Barium	mg/l	0.31	2		
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Beryllium	mg/l	0.004	0.004	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Cadmium	mg/l	0.005	0.005	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Calcium	mg/l	120			
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Chromium	mg/l	0.01	0.1	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Cobalt	mg/l	0.01	1	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Copper	mg/l	0.0017	0.65	B	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Iron	mg/l	27	5		
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Lead	mg/l	0.005	0.0075	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Magnesium	mg/l	30			
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Manganese	mg/l	2.1	0.15		
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Mercury	mg/l	0.0002	2	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Nickel	mg/l	0.0058	0.1	B	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Potassium	mg/l	10			
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Selenium	mg/l	0.01	0.05	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Silver	mg/l	0.01	0.05	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Sodium	mg/l	24			
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Thallium	mg/l	0.01	0.002	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Vanadium	mg/l	0.01	0.049	U	
GW-AA-Q-8-111-Filter	8/2/2002	Metals	Zinc	mg/l	0.0052	5	B	
AA-Q-10-78	5/17/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-Q-10-78	5/17/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-Q-10-78	5/17/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-Q-10-78	5/17/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-Q-10-78	5/17/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	
AA-Q-10-78	5/17/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-Q-10-78	5/17/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-Q-10-78	5/17/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-Q-10-78	5/17/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-Q-10-78	5/17/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-Q-10-78	5/17/2005	VOCs	Acetone	ug/L	25	6300	U	
AA-Q-10-78	5/17/2005	VOCs	Benzene	ug/L	1	5	U	
AA-Q-10-78	5/17/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-Q-10-78	5/17/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-Q-10-78	5/17/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-Q-10-78	5/17/2005	VOCs	Carbon Disulfide	ug/L	1	700	U	
AA-Q-10-78	5/17/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-Q-10-78	5/17/2005	VOCs	Chlorobenzene	ug/L	1	100	U	
AA-Q-10-78	5/17/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-Q-10-78	5/17/2005	VOCs	Chloroethane	ug/L	1		U	

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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-Q-10-78	5/17/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-Q-10-78	5/17/2005	VOCs	Chloromethane	ug/L	1		U	
AA-Q-10-78	5/17/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-Q-10-78	5/17/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-Q-10-78	5/17/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-Q-10-78	5/17/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-Q-10-78	5/17/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-Q-10-78	5/17/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-Q-10-78	5/17/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-Q-10-78	5/17/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-Q-10-78	5/17/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-Q-10-78	5/17/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-Q-10-78	5/17/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-Q-10-78	5/17/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.7	70	U	
AA-Q-10-78	5/17/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.7	600	U	
AA-Q-10-78	5/17/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.7	75	U	
AA-Q-10-78	5/17/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.7	700	U	
AA-Q-10-78	5/17/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.7	10	U	
AA-Q-10-78	5/17/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.7	21	U	
AA-Q-10-78	5/17/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.7	140	U	
AA-Q-10-78	5/17/2005	SVOCs	2,4-Dinitrophenol	ug/L	49	14	U	
AA-Q-10-78	5/17/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.7	0.02	U	
AA-Q-10-78	5/17/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.7	0.31	U	
AA-Q-10-78	5/17/2005	SVOCs	2-Chloronaphthalene	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	2-Chlorophenol	ug/L	9.7	35	U	
AA-Q-10-78	5/17/2005	SVOCs	2-Methylnaphthalene	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.7	350	U	
AA-Q-10-78	5/17/2005	SVOCs	2-Nitroaniline	ug/L	49		U	
AA-Q-10-78	5/17/2005	SVOCs	2-Nitrophenol	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-Q-10-78	5/17/2005	SVOCs	3-Nitroaniline	ug/L	49		U	
AA-Q-10-78	5/17/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	49		U	
AA-Q-10-78	5/17/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	4-Nitrophenol	ug/L	49		U	
AA-Q-10-78	5/17/2005	SVOCs	Acenaphthene	ug/L	9.7	420	U	
AA-Q-10-78	5/17/2005	SVOCs	Acenaphthylene	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	Anthracene	ug/L	9.7	2100	U	
AA-Q-10-78	5/17/2005	SVOCs	Benzo(a)anthracene	ug/L	9.7	0.13	U	
AA-Q-10-78	5/17/2005	SVOCs	Benzo(a)pyrene	ug/L	9.7	0.2	U	
AA-Q-10-78	5/17/2005	SVOCs	Benzo(b)fluoranthene	ug/L	9.7	0.18	U	
AA-Q-10-78	5/17/2005	SVOCs	Benzo(g,h,i)perylene	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	Benzo(k)fluoranthene	ug/L	9.7	0.17	U	
AA-Q-10-78	5/17/2005	SVOCs	Benzyl Butyl Phthalate	ug/L	9.7	1400	U	
AA-Q-10-78	5/17/2005	SVOCs	bis(2-Chloroethoxy)methane	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	bis(2-Chloroethyl)ether	ug/L	9.7	10	U	
AA-Q-10-78	5/17/2005	SVOCs	bis(2-Ethylhexyl)phthalate	ug/L	9.7	6	U	
AA-Q-10-78	5/17/2005	SVOCs	Carbazole	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	Chrysene	ug/L	9.7	1.5	U	
AA-Q-10-78	5/17/2005	SVOCs	Dibenzo(a,h)anthracene	ug/L	9.7	0.3	U	
AA-Q-10-78	5/17/2005	SVOCs	Dibenzofuran	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	Diethyl Phthalate	ug/L	9.7	5600	U	
AA-Q-10-78	5/17/2005	SVOCs	Dimethyl Phthalate	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	Di-n-butylphthalate	ug/L	9.7	700	U	

Analytical Results (Groundwater - DHU)
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Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-Q-10-78	5/17/2005	SVOCs	Di-n-octylphthalate	ug/L	9.7	140	U	
AA-Q-10-78	5/17/2005	SVOCs	Dinoseb	ug/L	9.7	7	U	
AA-Q-10-78	5/17/2005	SVOCs	Fluoranthene	ug/L	9.7	280	U	
AA-Q-10-78	5/17/2005	SVOCs	Fluorene	ug/L	9.7	280	U	
AA-Q-10-78	5/17/2005	SVOCs	Hexachlorobenzene	ug/L	9.7	0.06	U	
AA-Q-10-78	5/17/2005	SVOCs	Hexachlorobutadiene	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	Hexachlorocyclopentadiene	ug/L	9.7	50	U	
AA-Q-10-78	5/17/2005	SVOCs	Hexachloroethane	ug/L	9.7	7	U	
AA-Q-10-78	5/17/2005	SVOCs	Indeno(1,2,3-cd)pyrene	ug/L	9.7	0.43	U	
AA-Q-10-78	5/17/2005	SVOCs	Isophorone	ug/L	9.7	1400	U	
AA-Q-10-78	5/17/2005	SVOCs	Naphthalene	ug/L	9.7	140	U	
AA-Q-10-78	5/17/2005	SVOCs	Nitrobenzene	ug/L	9.7	3.5	U	
AA-Q-10-78	5/17/2005	SVOCs	N-Nitroso-di-n-propylamine	ug/L	9.7	1.8	U	
AA-Q-10-78	5/17/2005	SVOCs	N-Nitrosodiphenylamine	ug/L	9.7	3.2	U	
AA-Q-10-78	5/17/2005	SVOCs	P-Chloroaniline	ug/L	19	28	U	
AA-Q-10-78	5/17/2005	SVOCs	Phenanthrene	ug/L	9.7		U	
AA-Q-10-78	5/17/2005	SVOCs	Phenol	ug/L	9.7	100	U	
AA-Q-10-78	5/17/2005	SVOCs	P-Nitroaniline	ug/L	49		U	
AA-Q-10-78	5/17/2005	SVOCs	Pyrene	ug/L	9.7	210	U	
AA-Q-10-78	5/17/2005	Herbicides	2,4,5-T	ug/L	0.095		J	
AA-Q-10-78	5/17/2005	Herbicides	2,4,5-TP (Silvex)	ug/L	0.5	50	U	
AA-Q-10-78	5/17/2005	Herbicides	2,4-D	ug/L	0.21	70	J	U
AA-Q-10-78	5/17/2005	Herbicides	2,4-DB	ug/L	0.5		U	
AA-Q-10-78	5/17/2005	Herbicides	Dalapon	ug/L	9.9	200	U	
AA-Q-10-78	5/17/2005	Herbicides	Dicamba	ug/L	0.5		U	
AA-Q-10-78	5/17/2005	Herbicides	Dichlorprop	ug/L	0.5		U	
AA-Q-10-78	5/17/2005	Herbicides	MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	ug/L	120		U	
AA-Q-10-78	5/17/2005	Herbicides	MCPP	ug/L	120		U	
AA-Q-10-78	5/17/2005	Herbicides	Pentachlorophenol	ug/L	0.25	1	J	U
AA-Q-10-78	5/17/2005	Metals	Aluminum	mg/l	8.2			
AA-Q-10-78	5/17/2005	Metals	Antimony	mg/l	0.02	0.006	U	
AA-Q-10-78	5/17/2005	Metals	Arsenic	mg/l	0.0052	0.05	J	
AA-Q-10-78	5/17/2005	Metals	Barium	mg/l	0.64	2		
AA-Q-10-78	5/17/2005	Metals	Beryllium	mg/l	0.00047	0.004	J	
AA-Q-10-78	5/17/2005	Metals	Cadmium	mg/l	0.005	0.005	U	
AA-Q-10-78	5/17/2005	Metals	Calcium	mg/l	140			
AA-Q-10-78	5/17/2005	Metals	Chromium	mg/l	0.062	0.1		
AA-Q-10-78	5/17/2005	Metals	Cobalt	mg/l	0.0095	1	J	
AA-Q-10-78	5/17/2005	Metals	Copper	mg/l	0.028	0.65		
AA-Q-10-78	5/17/2005	Metals	Iron	mg/l	35	5		
AA-Q-10-78	5/17/2005	Metals	Lead	mg/l	0.016	0.0075		
AA-Q-10-78	5/17/2005	Metals	Magnesium	mg/l	35			
AA-Q-10-78	5/17/2005	Metals	Manganese	mg/l	1.6	0.15		
AA-Q-10-78	5/17/2005	Metals	Mercury	mg/l	0.0002	2	U	
AA-Q-10-78	5/17/2005	Metals	Nickel	mg/l	0.042	0.1		
AA-Q-10-78	5/17/2005	Metals	Potassium	mg/l	8.2			
AA-Q-10-78	5/17/2005	Metals	Selenium	mg/l	0.01	0.05	U	
AA-Q-10-78	5/17/2005	Metals	Silver	mg/l	0.01	0.05	U	
AA-Q-10-78	5/17/2005	Metals	Sodium	mg/l	16			
AA-Q-10-78	5/17/2005	Metals	Thallium	mg/l	0.025	0.002	U	
AA-Q-10-78	5/17/2005	Metals	Vanadium	mg/l	0.024	0.049		
AA-Q-10-78	5/17/2005	Metals	Zinc	mg/l	0.1	5		
AA-Q-10-78	5/17/2005	Other	Ammonia	mg/l	0.4			
AA-Q-10-94	5/17/2005	VOCs	1,1,1-Trichloroethane	ug/L	1	200	U	
AA-Q-10-94	5/17/2005	VOCs	1,1,2,2-Tetrachloroethane	ug/L	1		U	
AA-Q-10-94	5/17/2005	VOCs	1,1,2-Trichloroethane	ug/L	1	5	U	
AA-Q-10-94	5/17/2005	VOCs	1,1-Dichloroethane	ug/L	1	700	U	
AA-Q-10-94	5/17/2005	VOCs	1,1-Dichloroethylene	ug/L	1	7	U	

Sample ID	Sample Date	Analytical Group	Chemical	Units	Result	IEPA TACO Class I GROs	Lab Qual.	URS Qual.
AA-Q-10-94	5/17/2005	VOCs	1,2-Dichloroethane	ug/L	1	5	U	
AA-Q-10-94	5/17/2005	VOCs	1,2-Dichloroethene (total)	ug/L	2		U	
AA-Q-10-94	5/17/2005	VOCs	1,2-Dichloropropane	ug/L	1	5	U	
AA-Q-10-94	5/17/2005	VOCs	2-Butanone (MEK)	ug/L	10		U	
AA-Q-10-94	5/17/2005	VOCs	4-Methyl-2-pentanone (MIBK)	ug/L	10		U	
AA-Q-10-94	5/17/2005	VOCs	Acetone	ug/L	25	6300	U	
AA-Q-10-94	5/17/2005	VOCs	Benzene	ug/L	1	5	U	
AA-Q-10-94	5/17/2005	VOCs	Bromodichloromethane	ug/L	1	0.2	U	
AA-Q-10-94	5/17/2005	VOCs	Bromoform	ug/L	1	1	U	
AA-Q-10-94	5/17/2005	VOCs	Bromomethane	ug/L	1	9.8	U	
AA-Q-10-94	5/17/2005	VOCs	Carbon Disulfide	ug/L	1	700	U	
AA-Q-10-94	5/17/2005	VOCs	Carbon Tetrachloride	ug/L	1	5	U	
AA-Q-10-94	5/17/2005	VOCs	Chlorobenzene	ug/L	1	100	U	
AA-Q-10-94	5/17/2005	VOCs	Chlorodibromomethane	ug/L	1	140	U	
AA-Q-10-94	5/17/2005	VOCs	Chloroethane	ug/L	1		U	
AA-Q-10-94	5/17/2005	VOCs	Chloroform	ug/L	1	0.2	U	
AA-Q-10-94	5/17/2005	VOCs	Chloromethane	ug/L	1		U	
AA-Q-10-94	5/17/2005	VOCs	cis-1,3-Dichloropropene	ug/L	1		U	
AA-Q-10-94	5/17/2005	VOCs	Dichloromethane	ug/L	1	5	U	
AA-Q-10-94	5/17/2005	VOCs	Ethylbenzene	ug/L	1	700	U	
AA-Q-10-94	5/17/2005	VOCs	Methyl N-Butyl Ketone	ug/L	10		U	
AA-Q-10-94	5/17/2005	VOCs	Styrene (Monomer)	ug/L	1	100	U	
AA-Q-10-94	5/17/2005	VOCs	Tetrachloroethene	ug/L	1	5	U	
AA-Q-10-94	5/17/2005	VOCs	Toluene	ug/L	1	1000	U	
AA-Q-10-94	5/17/2005	VOCs	trans-1,3-Dichloropropene	ug/L	1		U	
AA-Q-10-94	5/17/2005	VOCs	Trichloroethene	ug/L	1	5	U	
AA-Q-10-94	5/17/2005	VOCs	Vinyl chloride	ug/L	1	2	U	
AA-Q-10-94	5/17/2005	VOCs	Xylenes, Total	ug/L	2	10000	U	
AA-Q-10-94	5/17/2005	SVOCs	1,2,4-Trichlorobenzene	ug/L	9.5	70	U	
AA-Q-10-94	5/17/2005	SVOCs	1,2-Dichlorobenzene	ug/L	9.5	600	U	
AA-Q-10-94	5/17/2005	SVOCs	1,3-Dichlorobenzene	ug/L	9.5		U	
AA-Q-10-94	5/17/2005	SVOCs	1,4-Dichlorobenzene	ug/L	9.5	75	U	
AA-Q-10-94	5/17/2005	SVOCs	2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	ug/L	9.5		U	
AA-Q-10-94	5/17/2005	SVOCs	2,4,5-Trichlorophenol	ug/L	9.5	700	U	
AA-Q-10-94	5/17/2005	SVOCs	2,4,6-Trichlorophenol	ug/L	9.5	10	U	
AA-Q-10-94	5/17/2005	SVOCs	2,4-Dichlorophenol	ug/L	9.5	21	U	
AA-Q-10-94	5/17/2005	SVOCs	2,4-Dimethylphenol	ug/L	9.5	140	U	
AA-Q-10-94	5/17/2005	SVOCs	2,4-Dinitrophenol	ug/L	48	14	U	
AA-Q-10-94	5/17/2005	SVOCs	2,4-Dinitrotoluene	ug/L	9.5	0.02	U	
AA-Q-10-94	5/17/2005	SVOCs	2,6-Dinitrotoluene	ug/L	9.5	0.31	U	
AA-Q-10-94	5/17/2005	SVOCs	2-Chloronaphthalene	ug/L	9.5		U	
AA-Q-10-94	5/17/2005	SVOCs	2-Chlorophenol	ug/L	9.5	35	U	
AA-Q-10-94	5/17/2005	SVOCs	2-Methylnaphthalene	ug/L	9.5		U	
AA-Q-10-94	5/17/2005	SVOCs	2-Methylphenol (o-Cresol)	ug/L	9.5	350	U	
AA-Q-10-94	5/17/2005	SVOCs	2-Nitroaniline	ug/L	48		U	
AA-Q-10-94	5/17/2005	SVOCs	2-Nitrophenol	ug/L	9.5		U	
AA-Q-10-94	5/17/2005	SVOCs	3 & 4 Methylphenol	ug/L	9.5		U	
AA-Q-10-94	5/17/2005	SVOCs	3,3'-Dichlorobenzidine	ug/L	19	20	U	
AA-Q-10-94	5/17/2005	SVOCs	3-Nitroaniline	ug/L	48		U	
AA-Q-10-94	5/17/2005	SVOCs	4,6-Dinitro-2-methylphenol	ug/L	48		U	
AA-Q-10-94	5/17/2005	SVOCs	4-Bromophenyl Phenyl Ether	ug/L	9.5		U	
AA-Q-10-94	5/17/2005	SVOCs	4-Chloro-3-methylphenol	ug/L	9.5		U	
AA-Q-10-94	5/17/2005	SVOCs	4-Chlorophenyl Phenyl Ether	ug/L	9.5		U	
AA-Q-10-94	5/17/2005	SVOCs	4-Nitrophenol	ug/L	48		U	
AA-Q-10-94	5/17/2005	SVOCs	Acenaphthene	ug/L	9.5	420	U	
AA-Q-10-94	5/17/2005	SVOCs	Acenaphthylene	ug/L	9.5		U	
AA-Q-10-94	5/17/2005	SVOCs	Anthracene	ug/L	9.5	2100	U	
AA-Q-10-94	5/17/2005	SVOCs	Benzo(a)anthracene	ug/L	9.5	0.13	U	