0082056

APPENDICES A-G FOR DOE/RL-2009-15 REV 0

CALENDAR YEAR 2008 ANNUAL SUMMARY REPORT FOR THE 100-HR-3, 100-KR-4, AND 100-NR-2 OPERABLE UNIT PUMP AND TREAT OPERATION

SECTION

2 OF 3

APPENDIX E

100-HR-3 CONTAMINANT DATA

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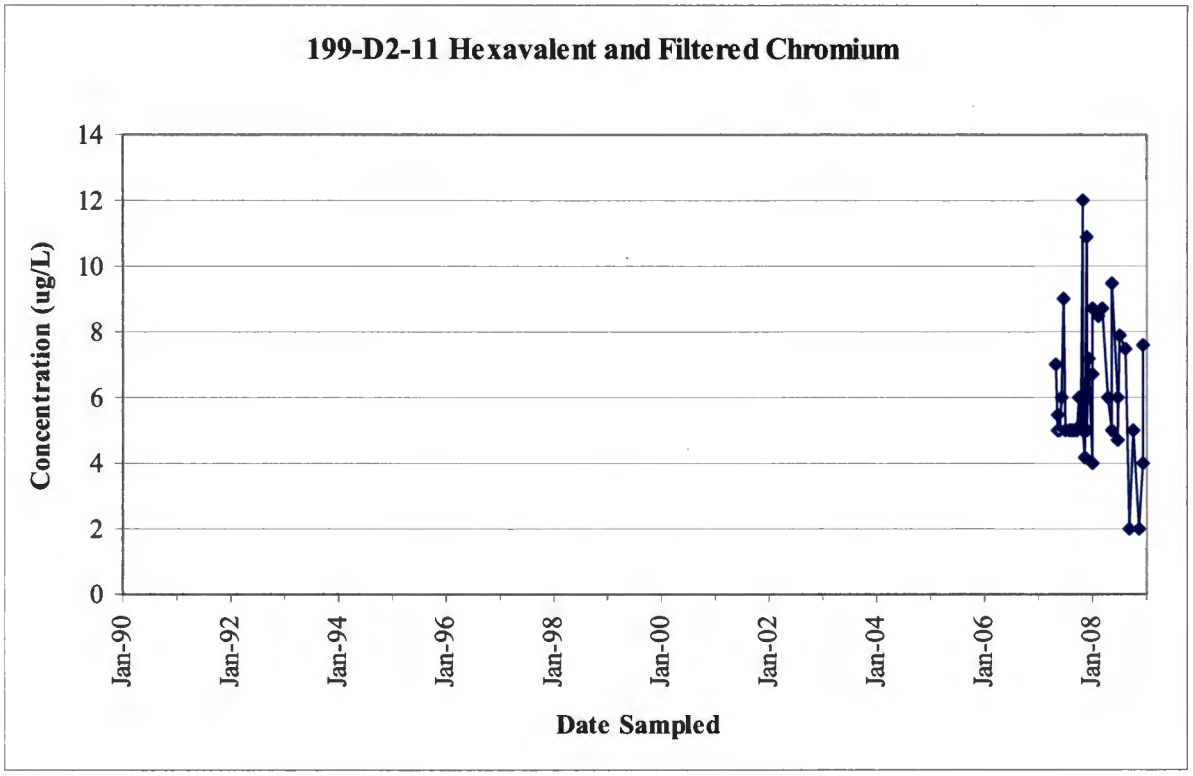
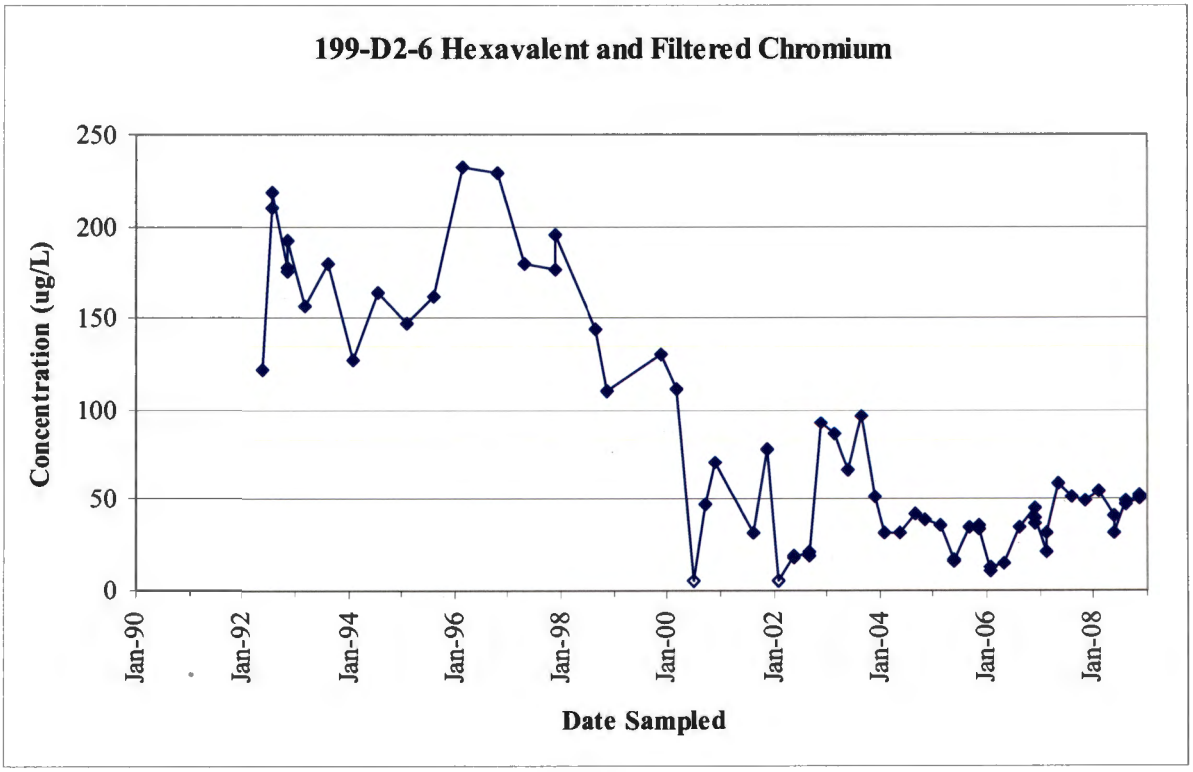

199-D2-11 Hexavalent and Filtered Chromium
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D2-6 Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
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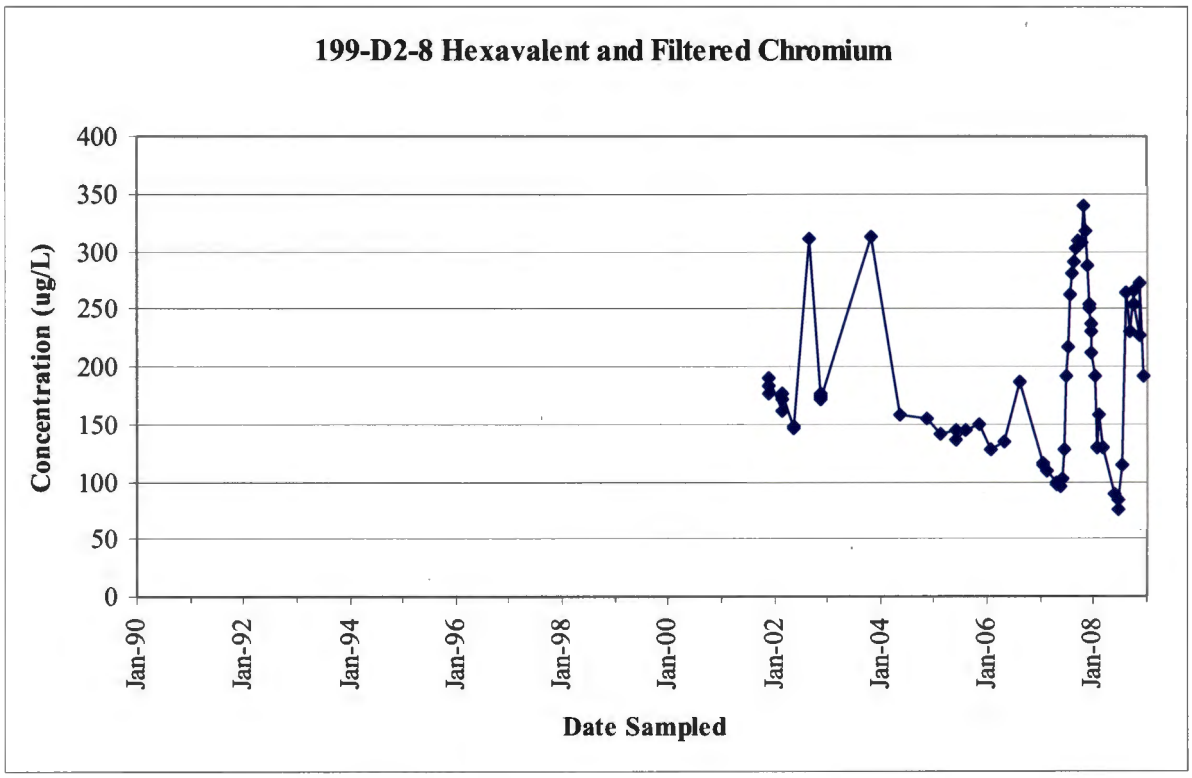
Jan-08
Date Sampled


199-D2-8 Hexavalent and Filtered Chromium
Concentration (ug/L)
400
350
300
250
200
150
100
50
0
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Jan-94
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Jan-98
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Jan-02
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Jan-06
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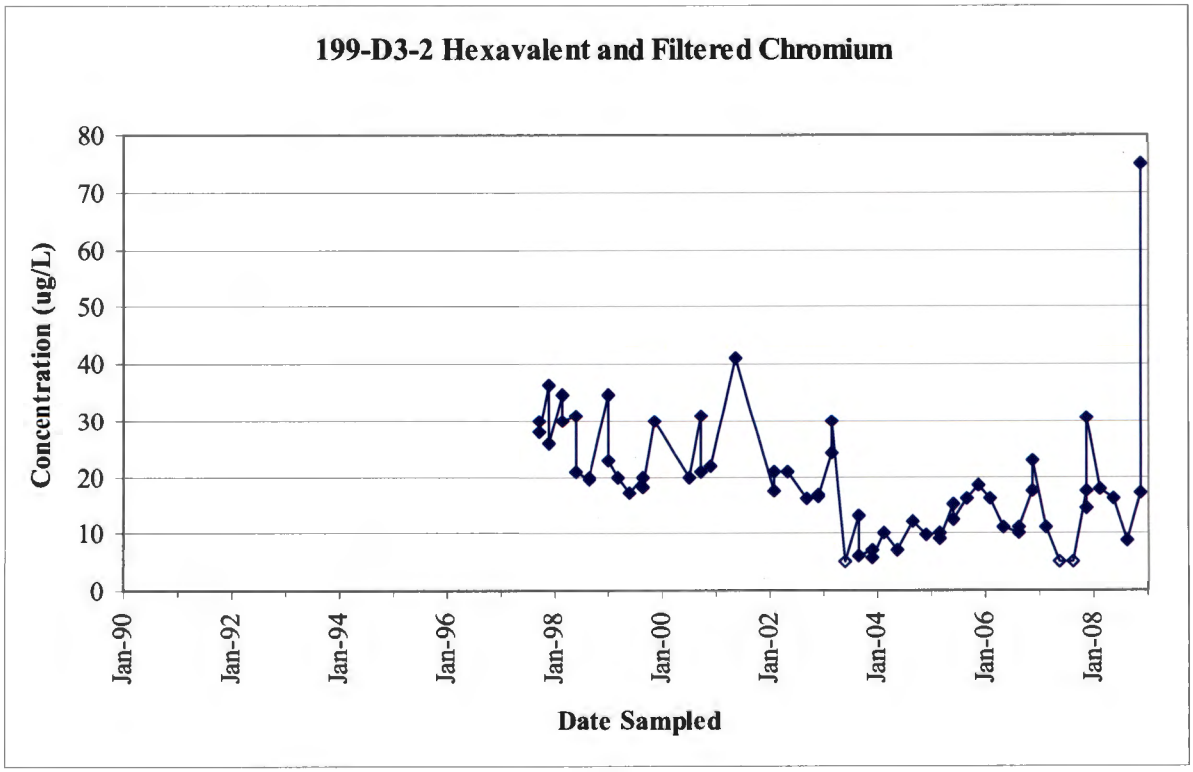
Date Sampled


199-D3-2 Hexavalent and Filtered Chromium
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
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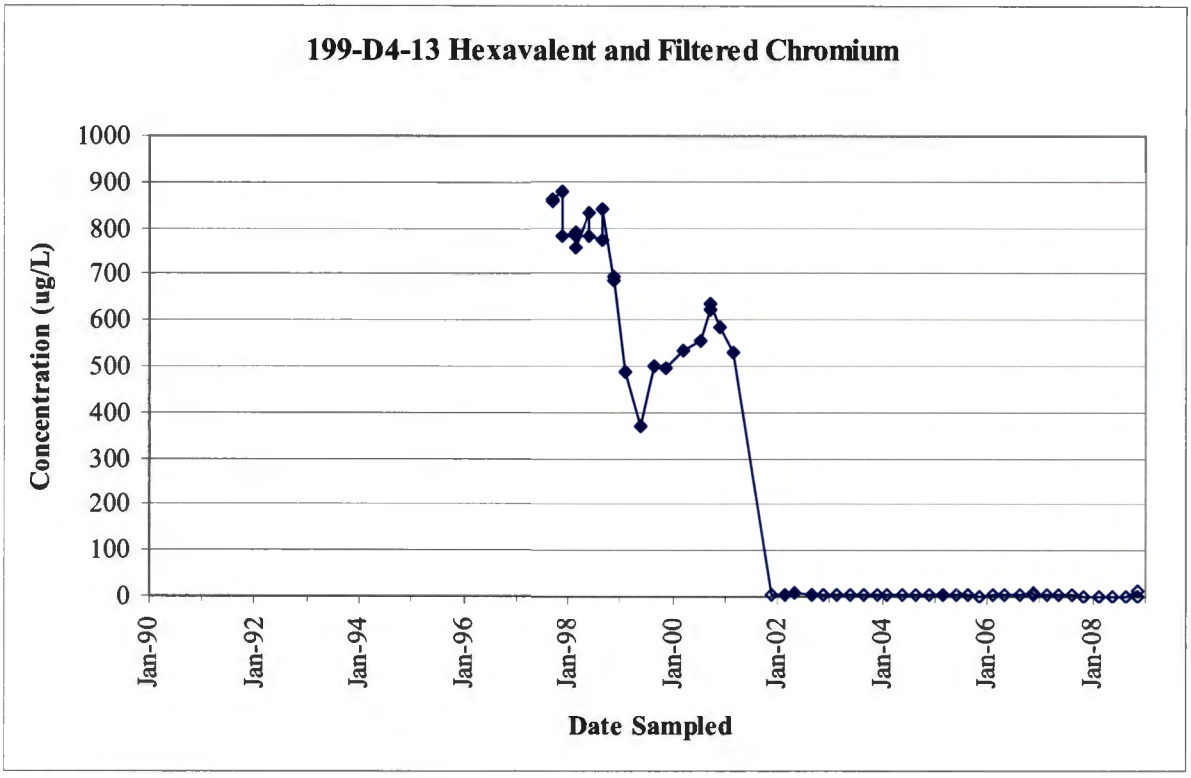
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D4-13 Hexavalent and Filtered Chromium
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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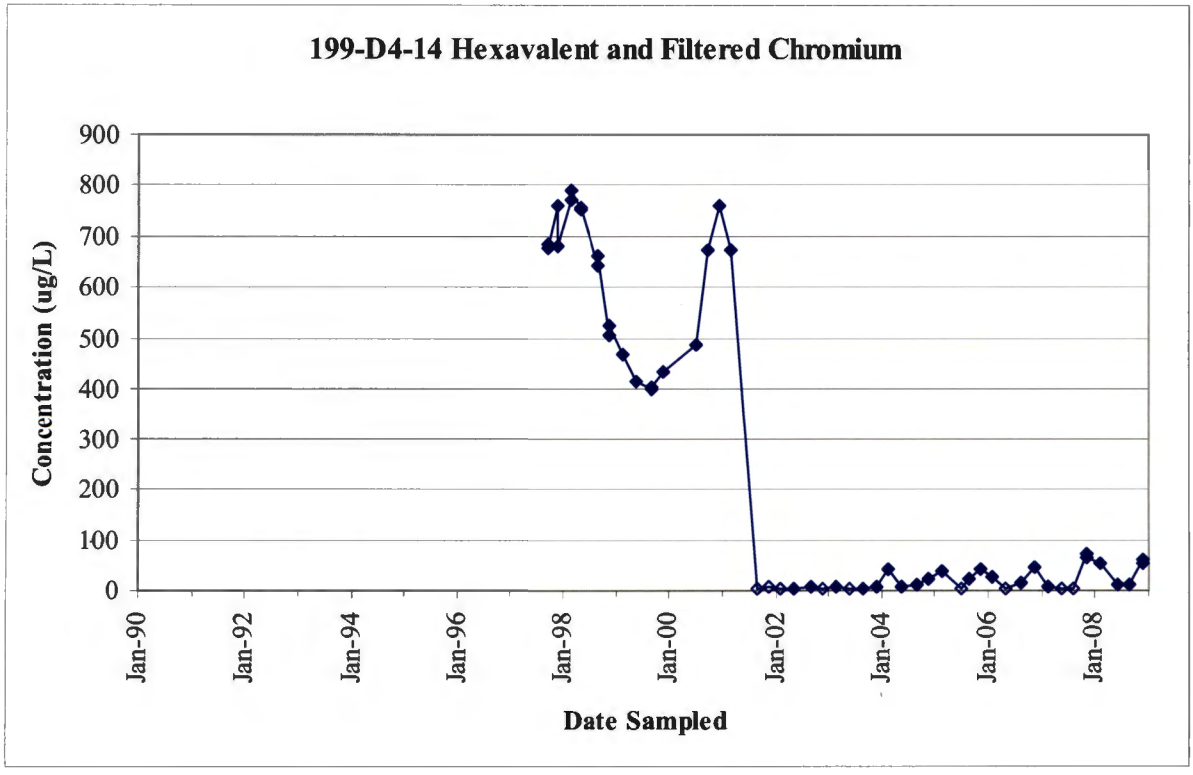
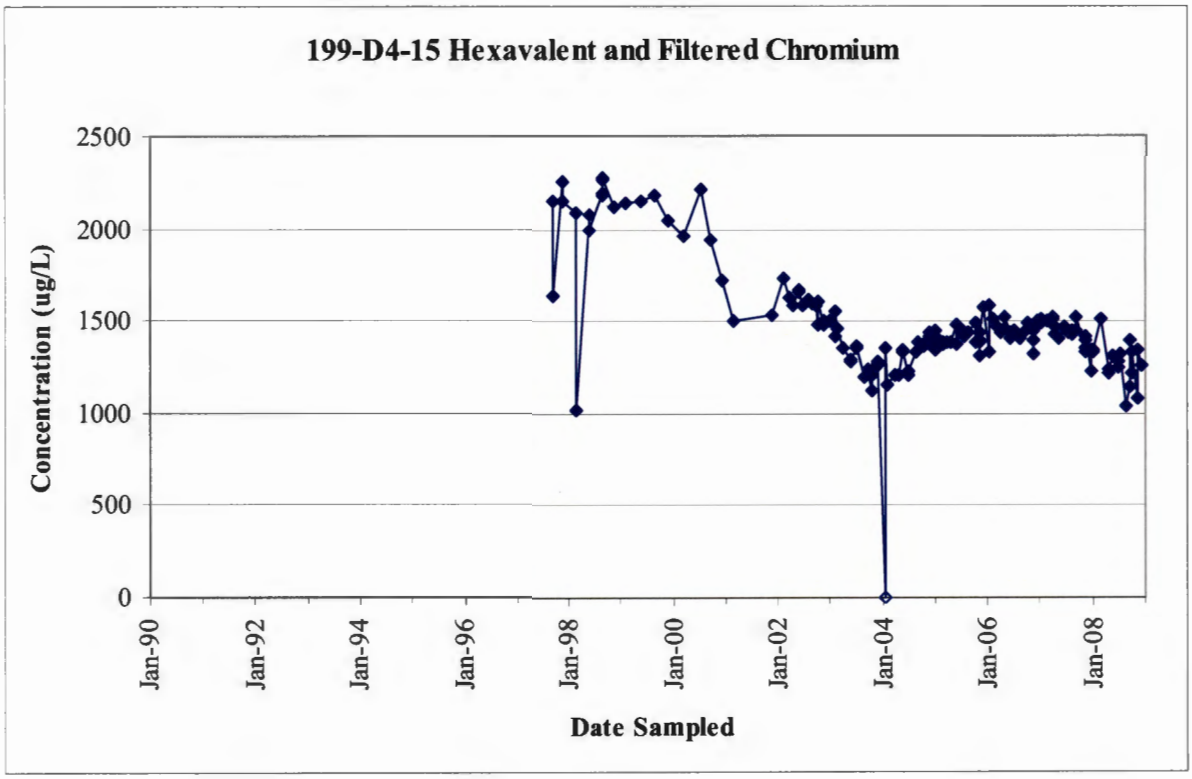
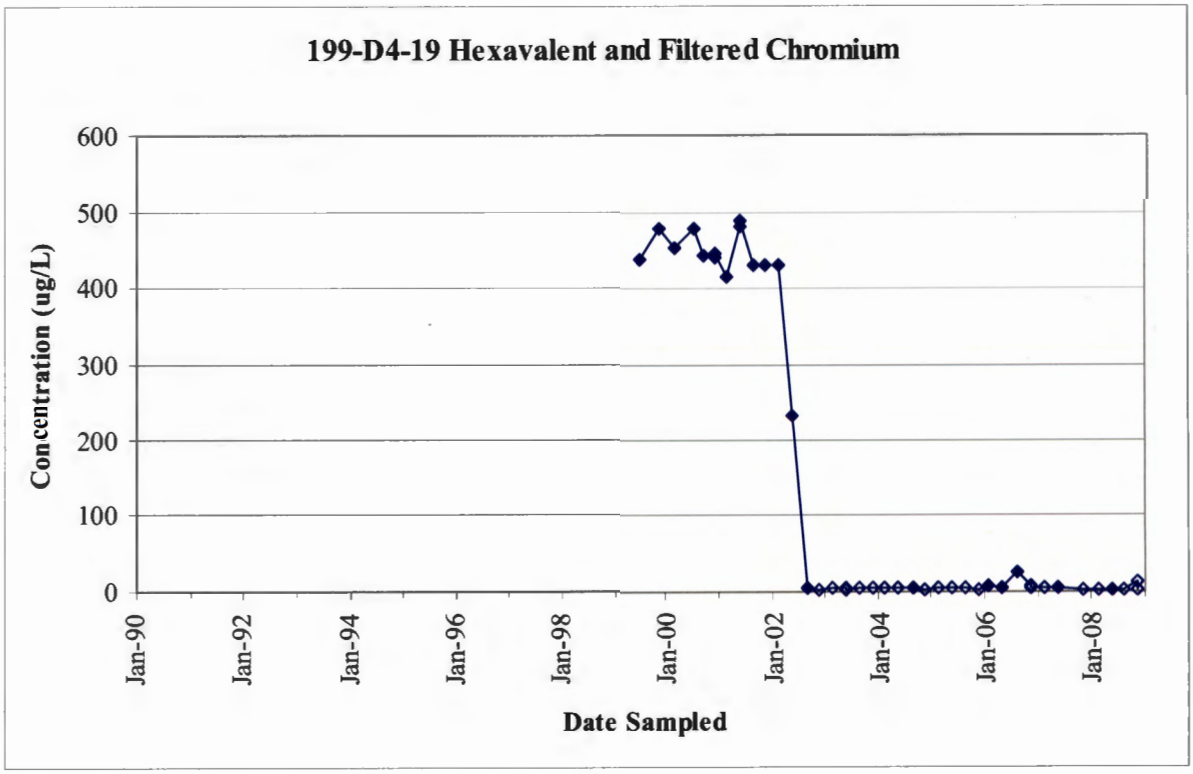
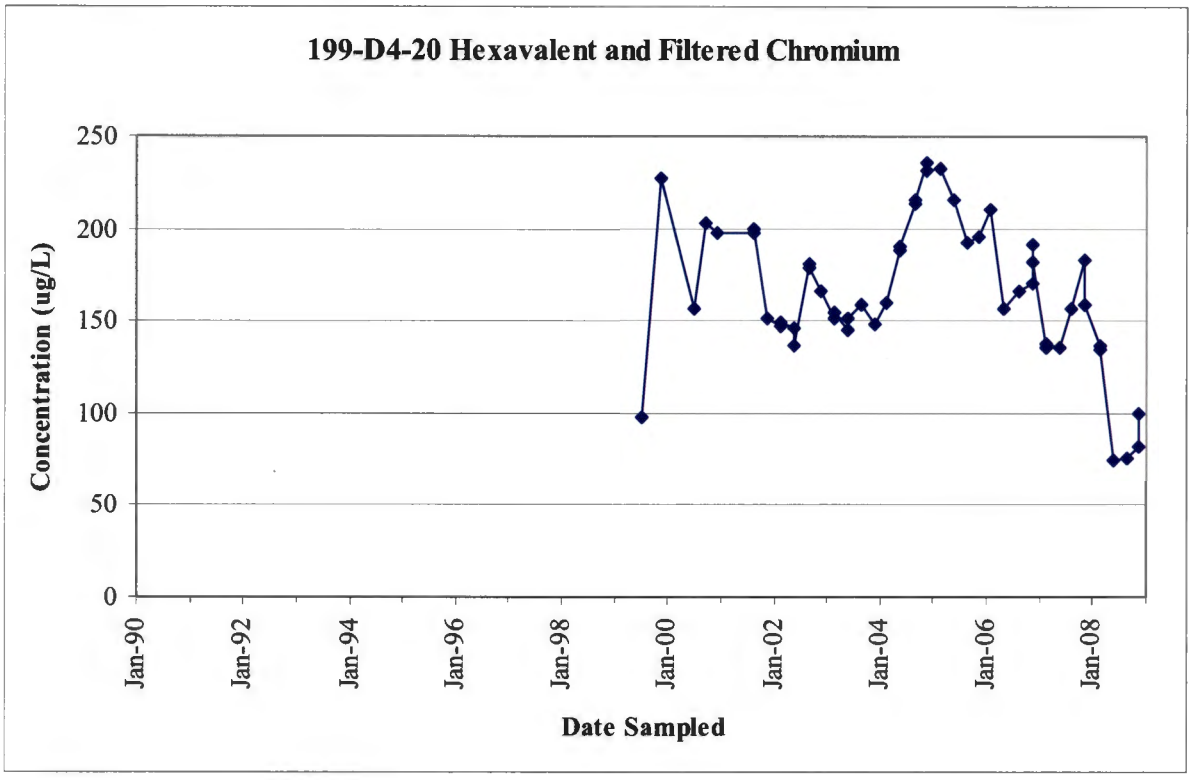
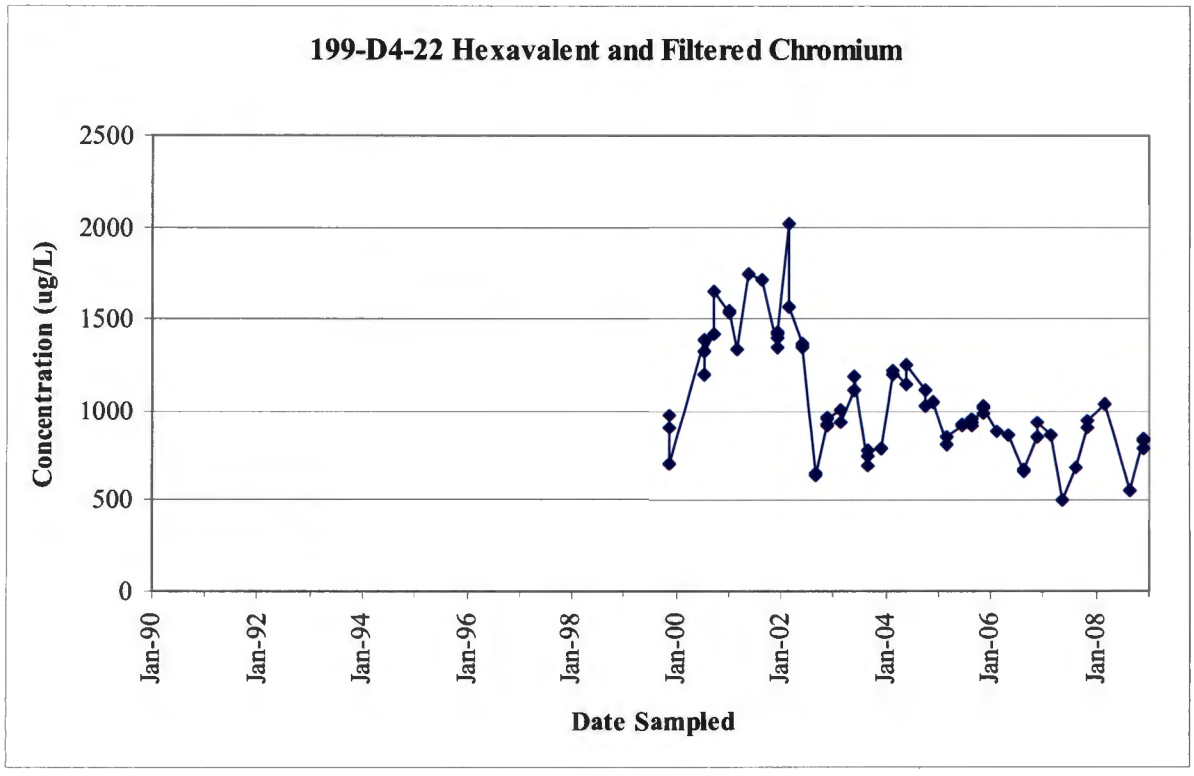
Jan-06
Jan-08
Date Sampled

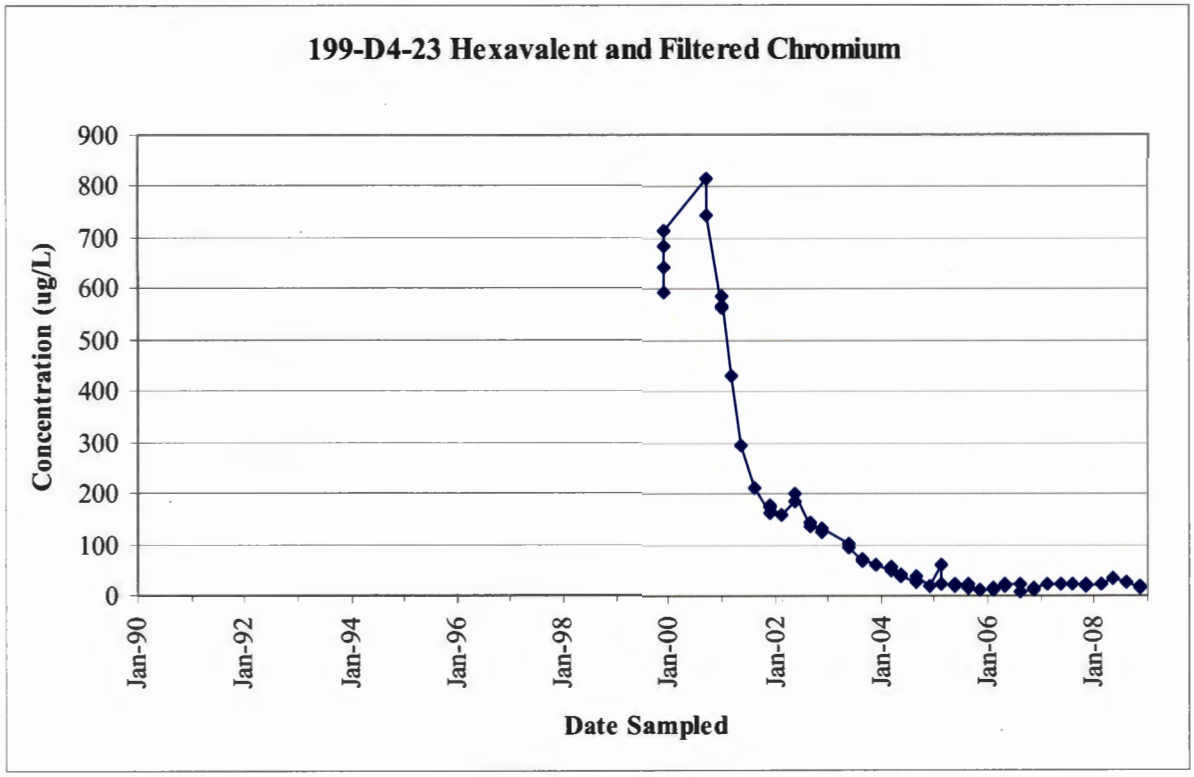

199-D4-14 Hexavalent and Filtered Chromium
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

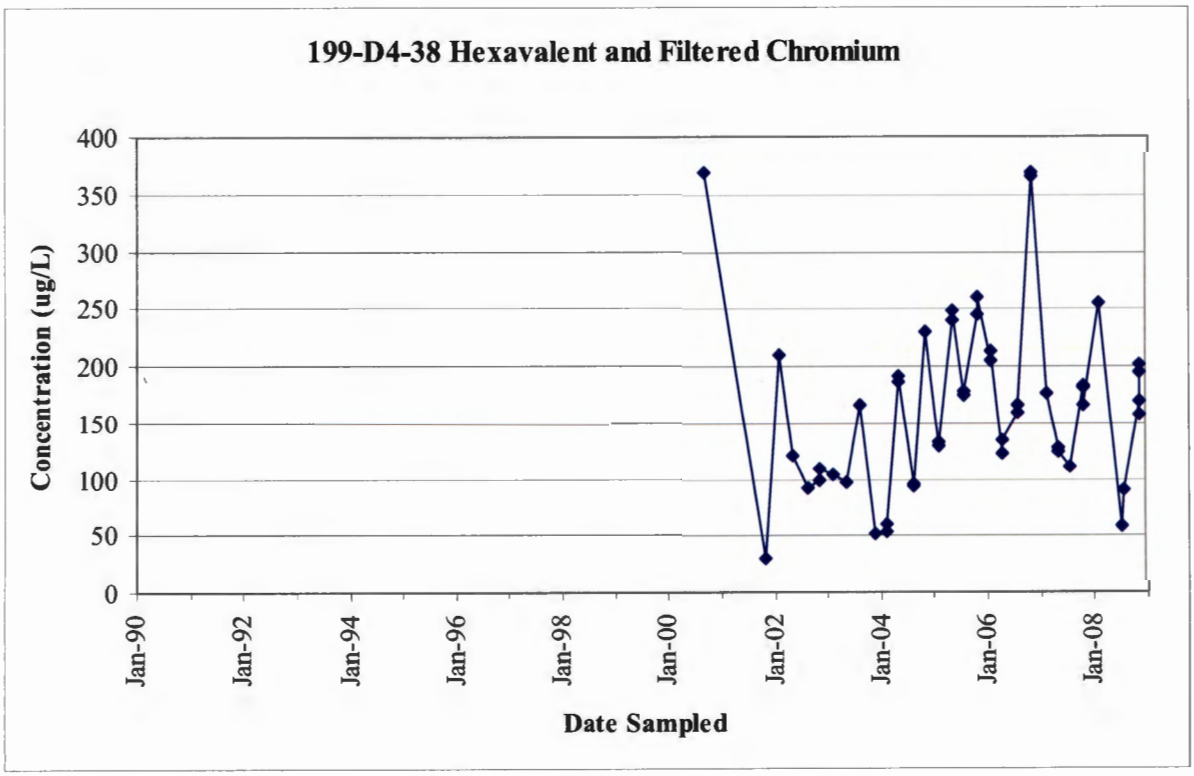

199-D4-15 Hexavalent and Filtered Chromium
Concentration (ug/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

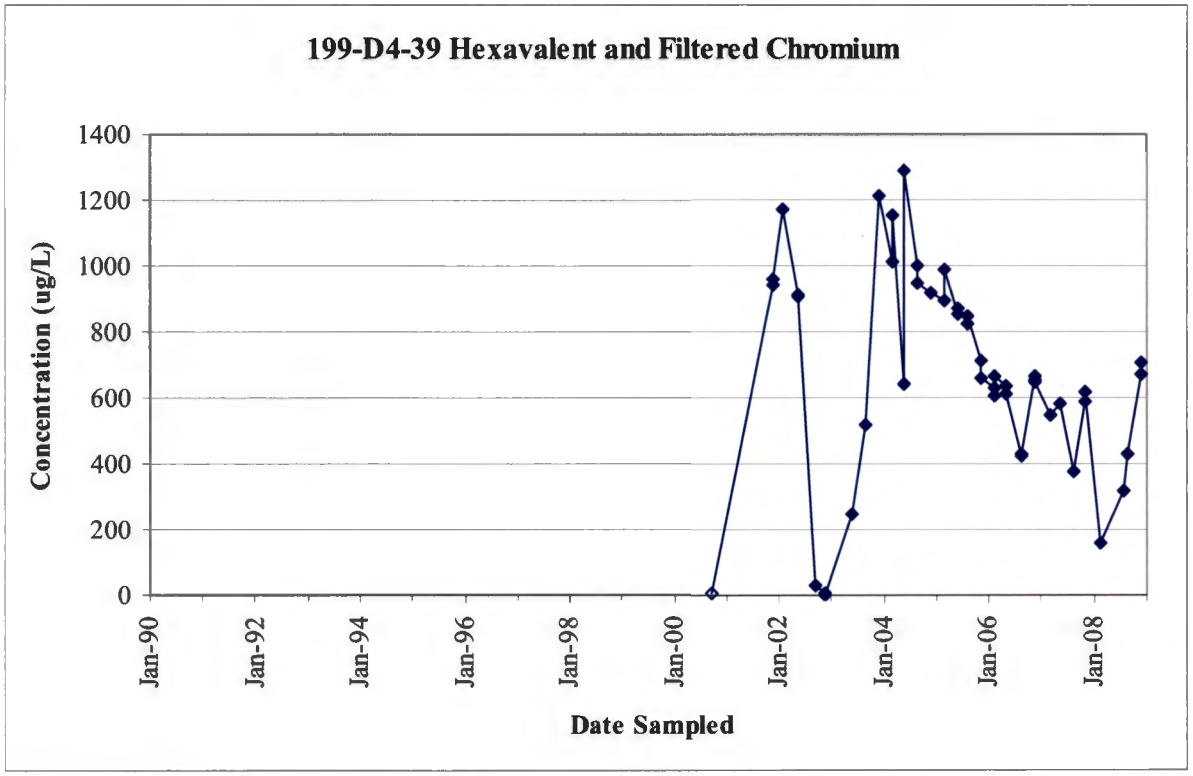

199-D4-19 Hexavalent and Filtered Chromium
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

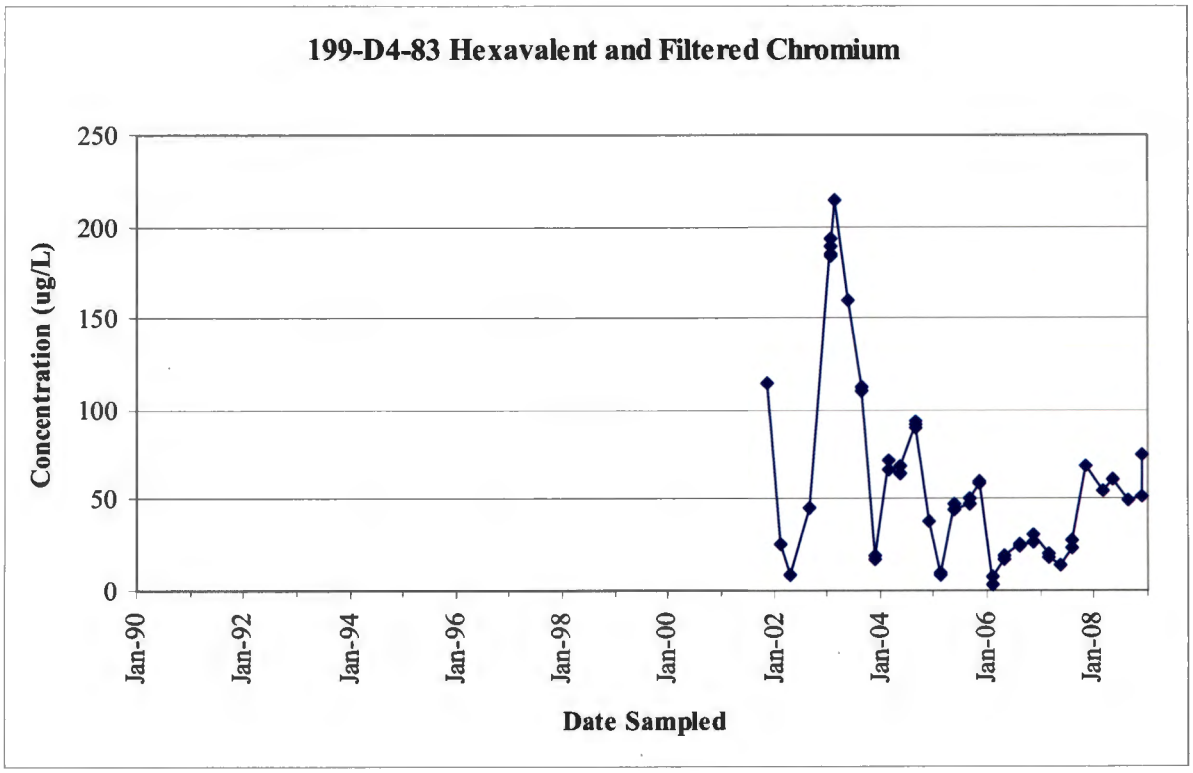

199-D4-20 Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

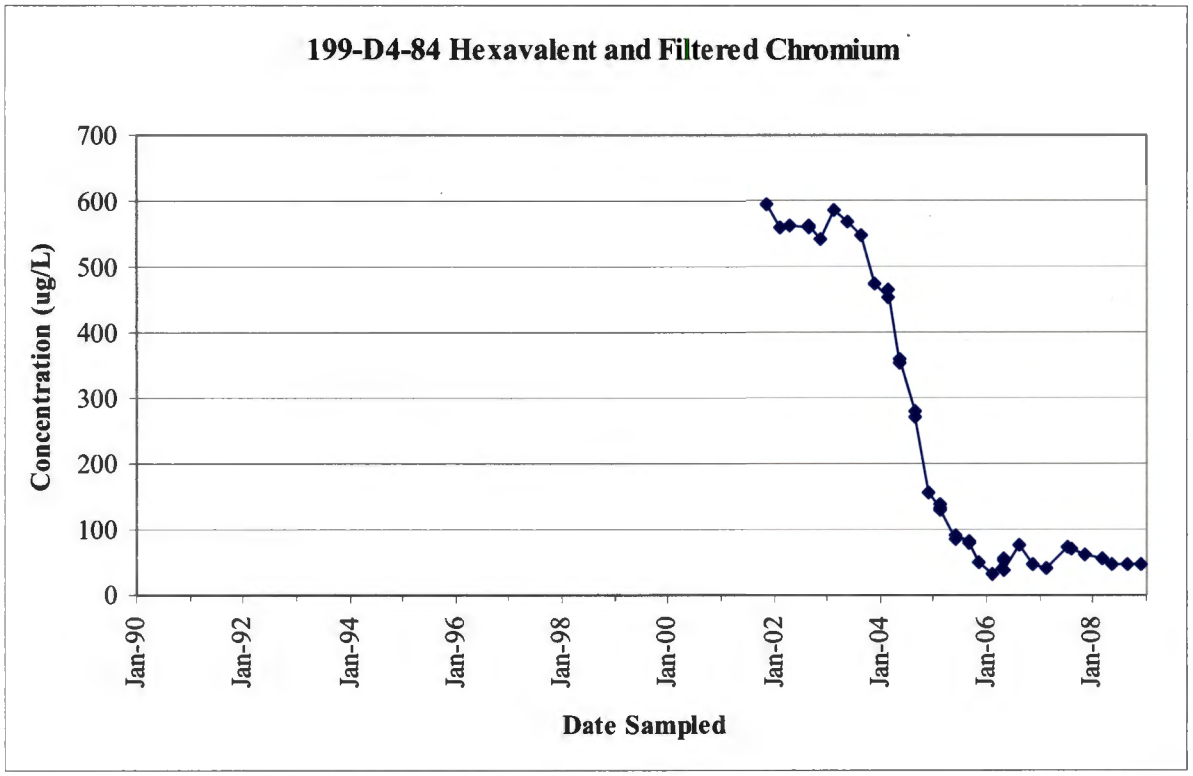

199-D4-22 Hexavalent and Filtered Chromium
Concentration (ug/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

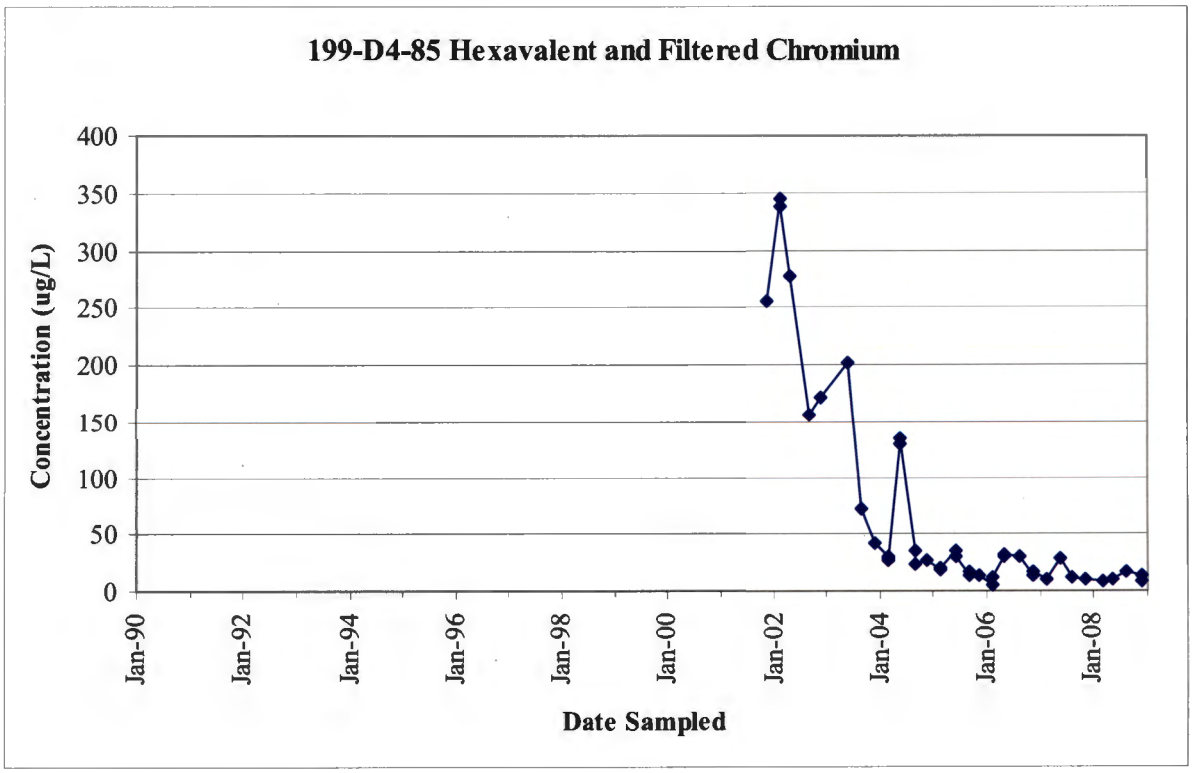

199-D4-23 Hexavalent and Filtered Chromium
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

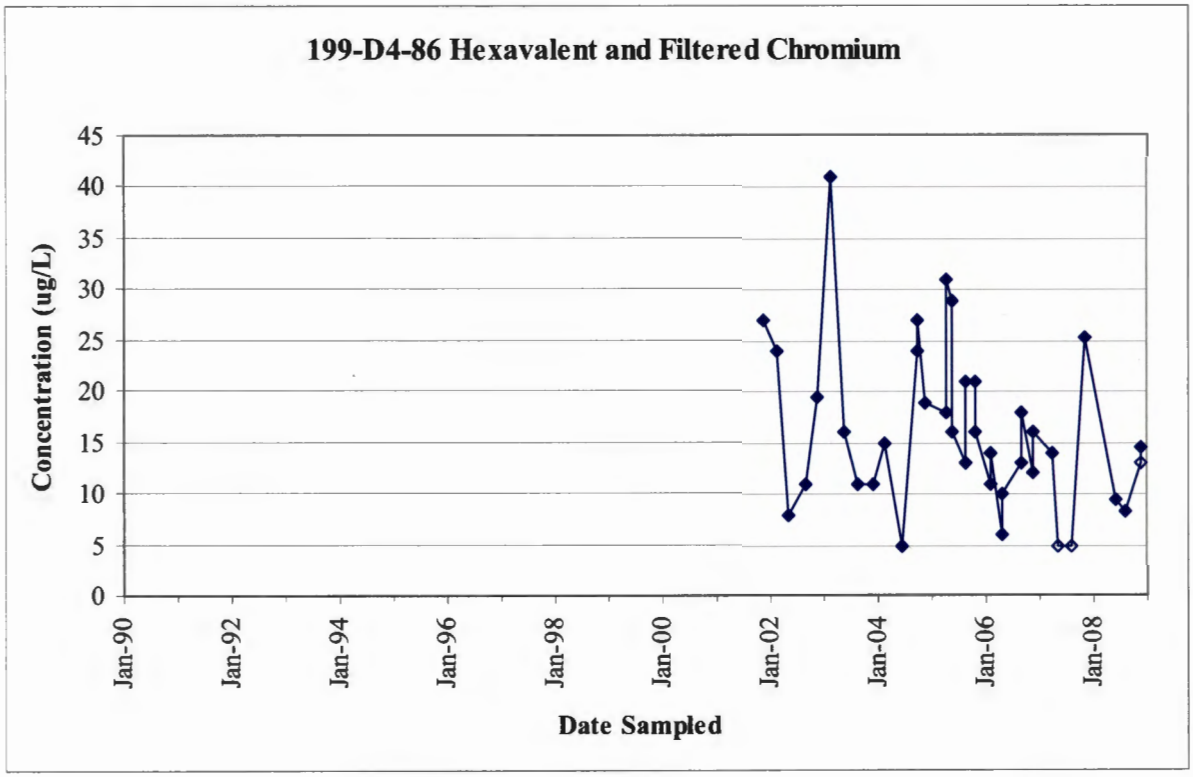

199-D4-38 Hexavalent and Filtered Chromium
Concentration (ug/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

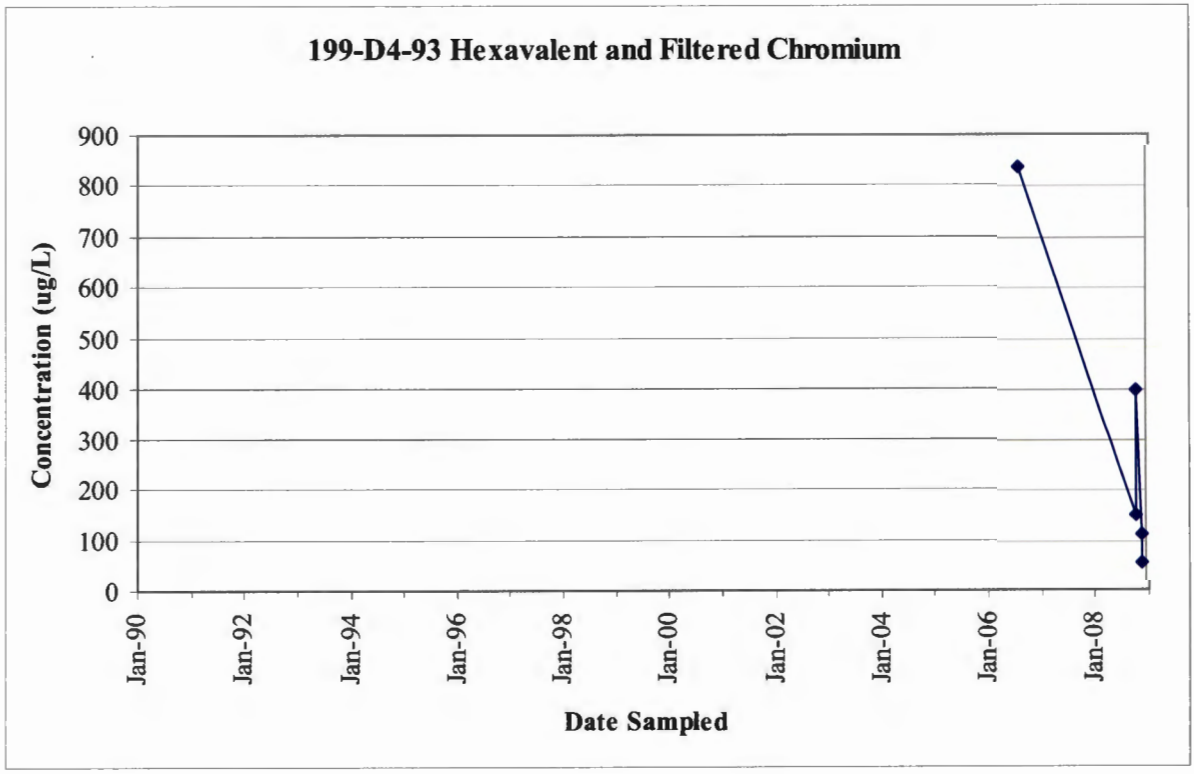

199-D4-39 Hexavalent and Filtered Chromium
Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

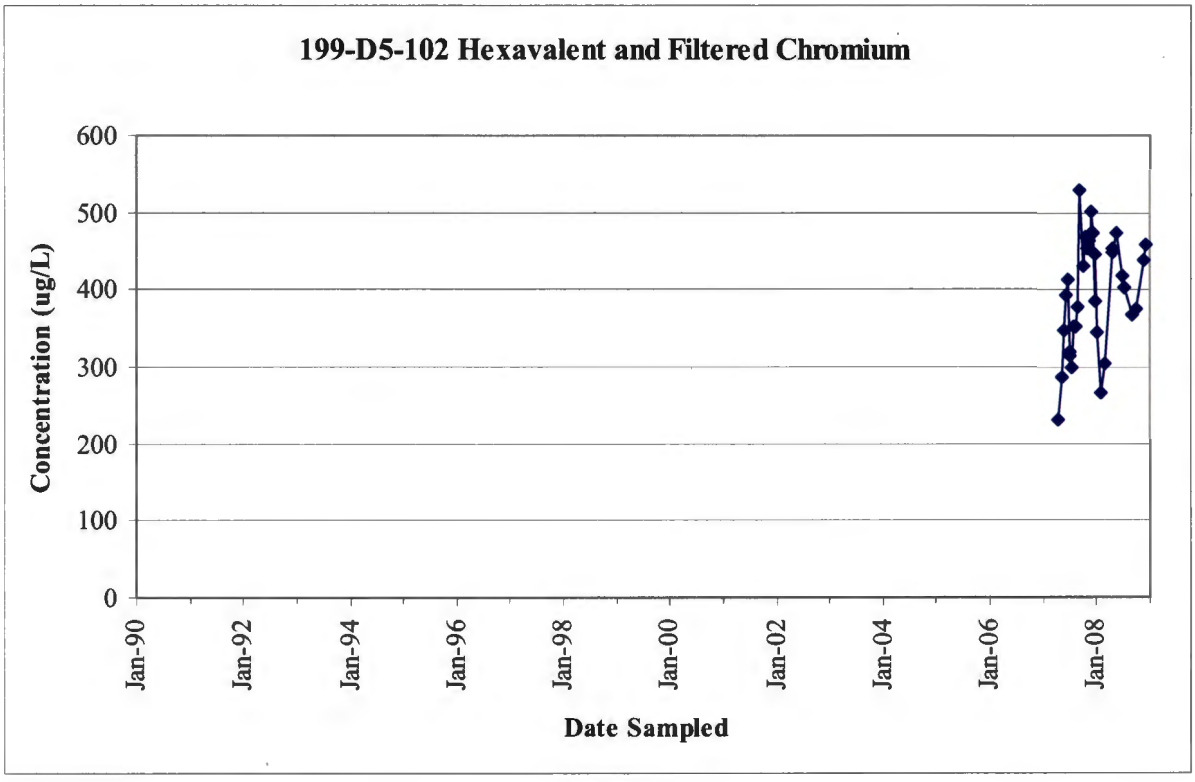

199-D4-83 Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

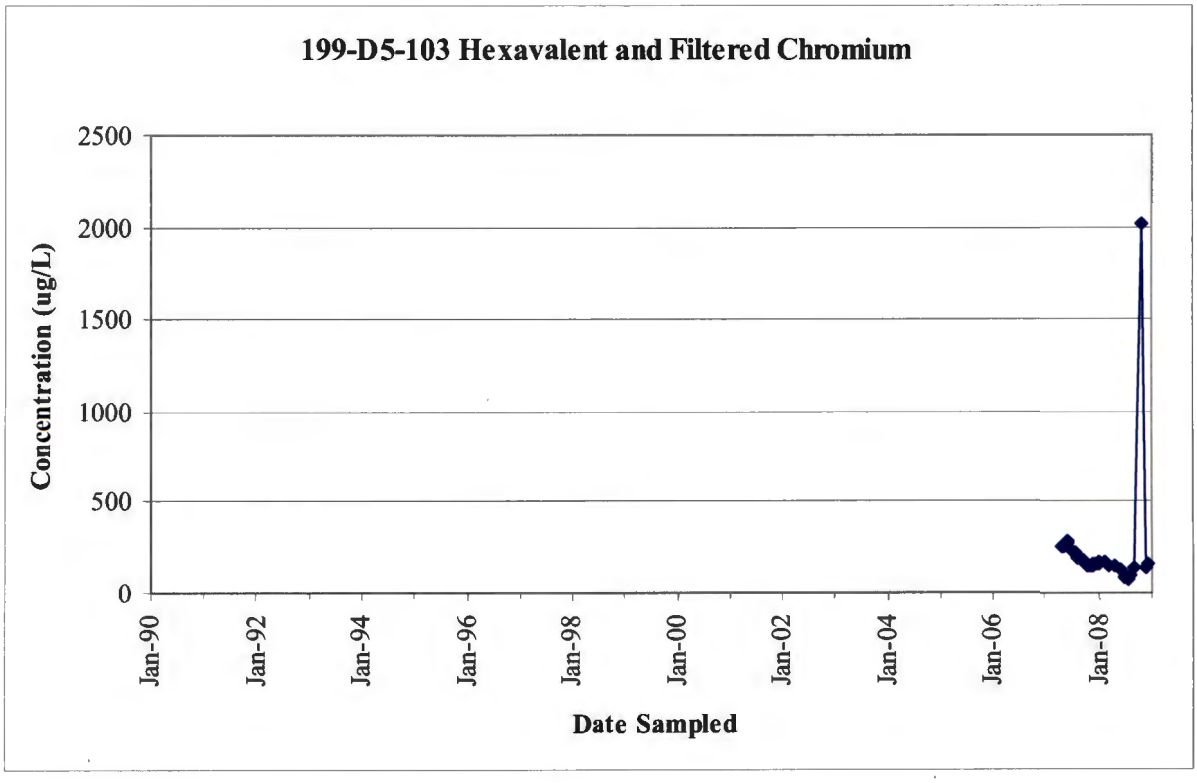

199-D4-84 Hexavalent and Filtered Chromium
Concentration (ug/L)
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

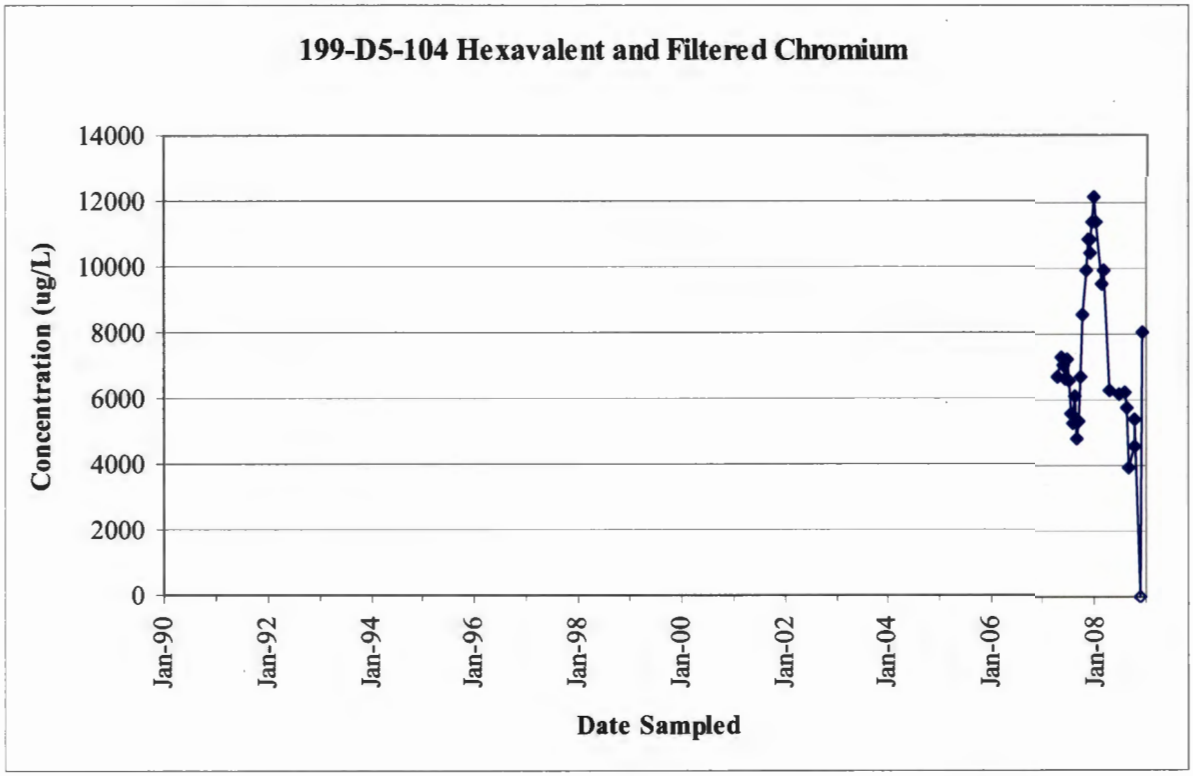

199-D4-85 Hexavalent and Filtered Chromium
Concentration (ug/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

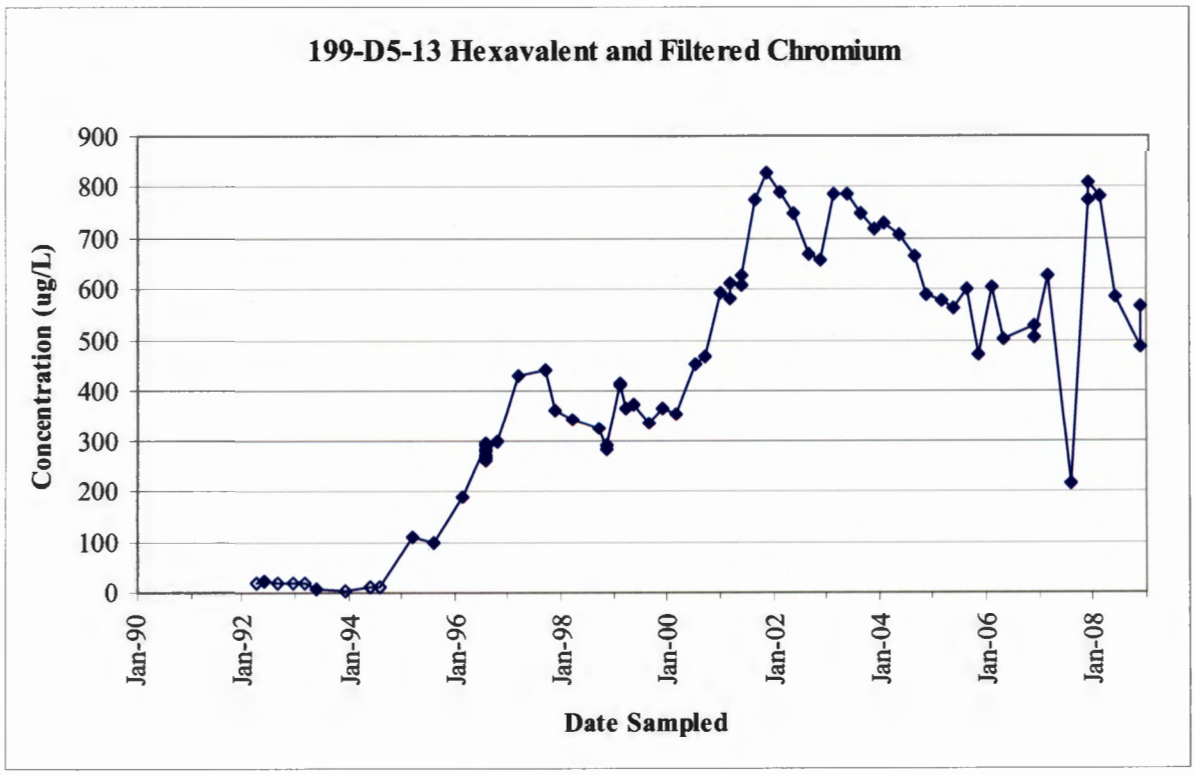

199-D4-86 Hexavalent and Filtered Chromium
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D4-93 Hexavalent and Filtered Chromium
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-102 Hexavalent and Filtered Chromium
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-103 Hexavalent and Filtered Chromium
Concentration (ug/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-104 Hexavalent and Filtered Chromium
Concentration (ug/L)
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-13 Hexavalent and Filtered Chromium
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
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Jan-98
Jan-00
Jan-02
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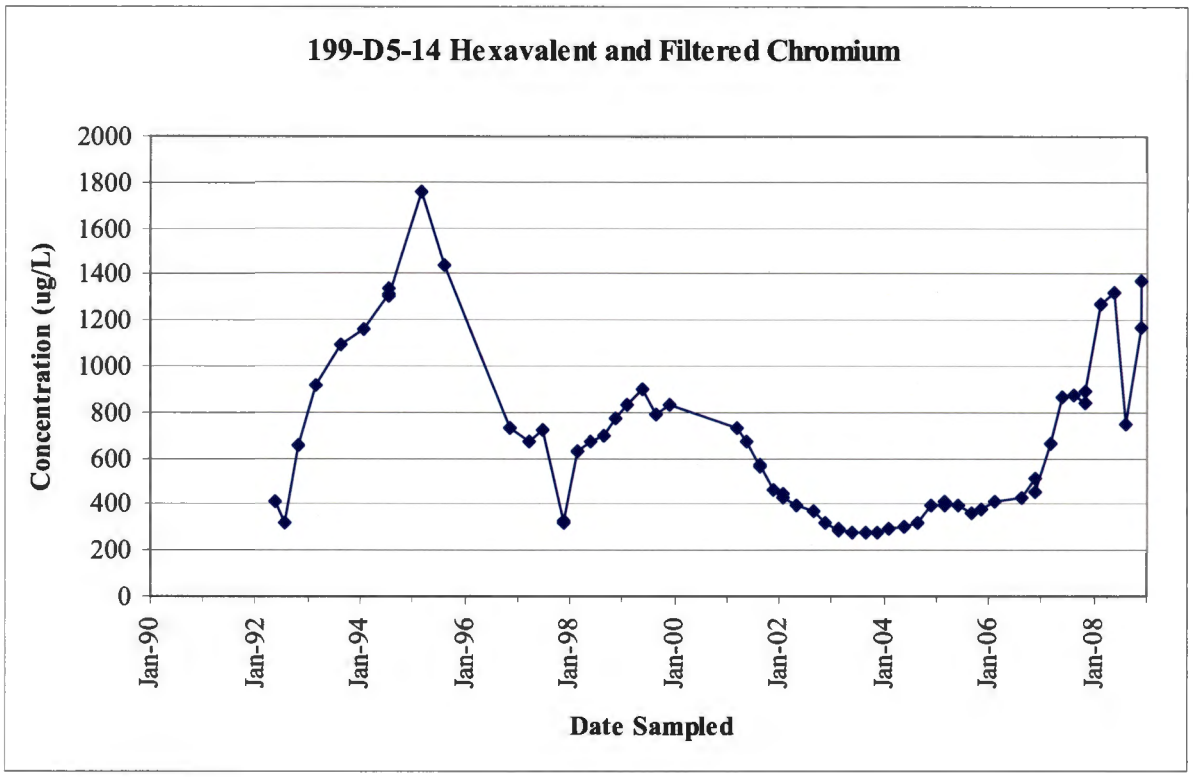
Date Sampled


199-D5-14 Hexavalent and Filtered Chromium
Concentration (ug/L)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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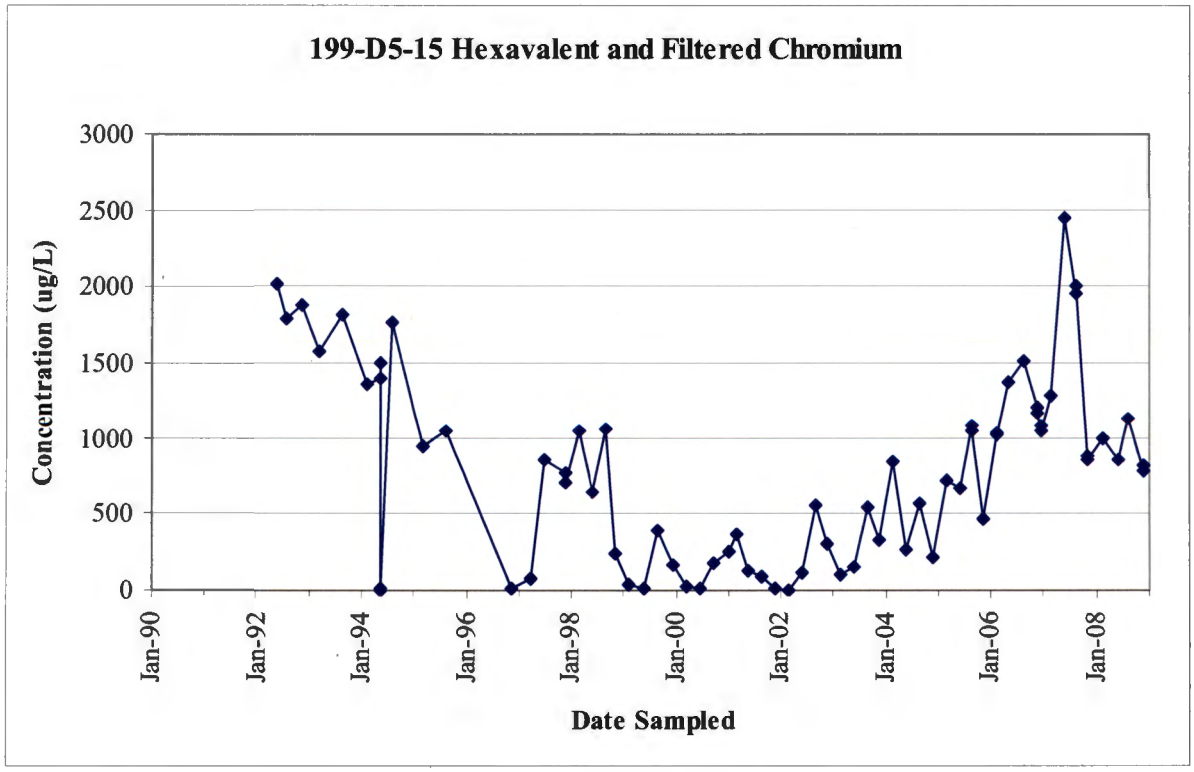
Date Sampled


199-D5-15 Hexavalent and Filtered Chromium
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
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Jan-98
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Jan-02
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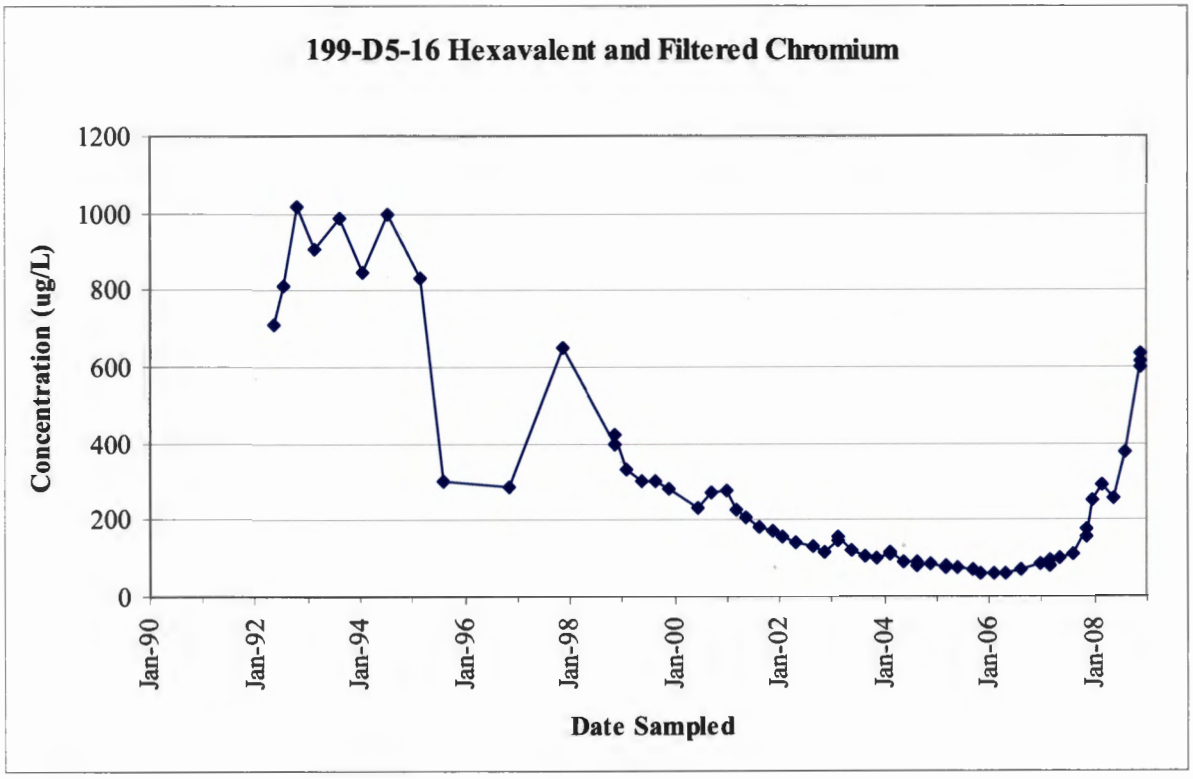
Date Sampled


199-D5-16 Hexavalent and Filtered Chromium
Concentration (ug/L)
1200
1000
800
600
400
200
0
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Jan-92
Jan-94
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Jan-98
Jan-00
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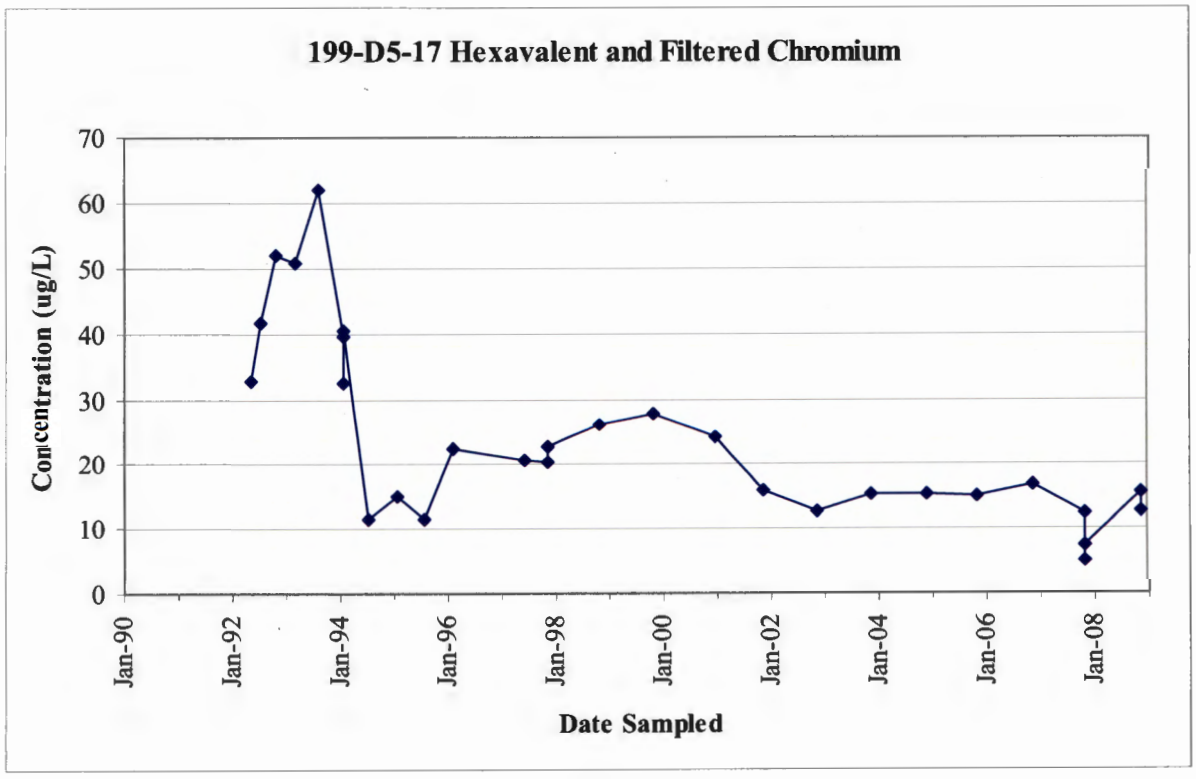
Date Sampled


199-D5-17 Hexavalent and Filtered Chromium
Concentration (ug/L)
70
60
50
40
30
20
10
0
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Jan-94
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Jan-98
Jan-00
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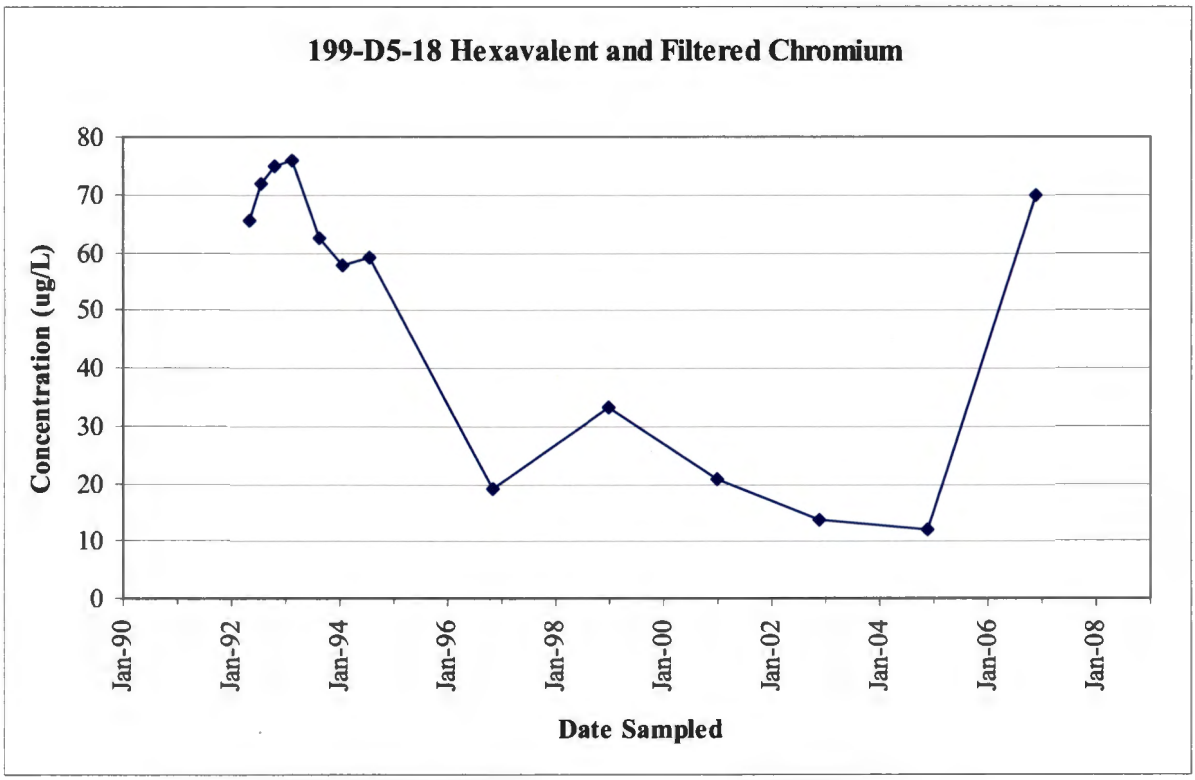
Jan-08
Date Sampled


199-D5-18 Hexavalent and Filtered Chromium
Concentration (ug/L)
80
70
60
50
40
30
20
10
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Jan-94
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Jan-98
Jan-00
Jan-02
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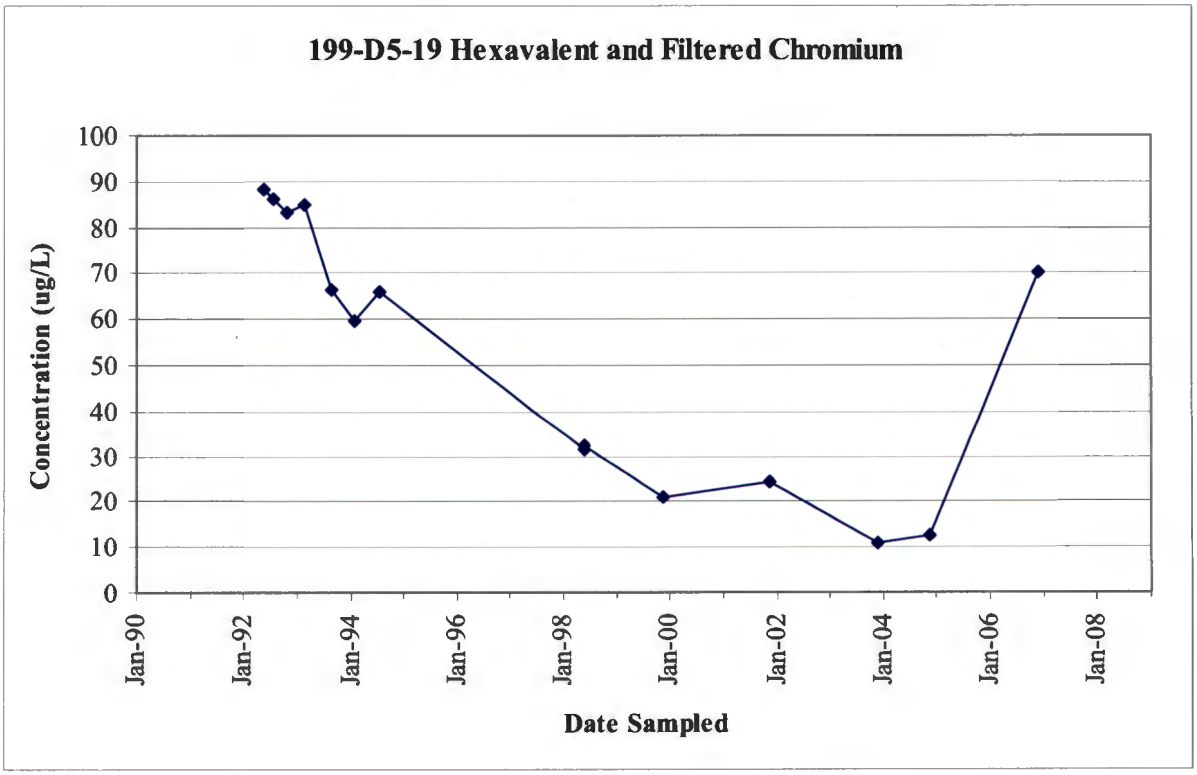
Jan-08
Date Sampled


199-D5-19 Hexavalent and Filtered Chromium
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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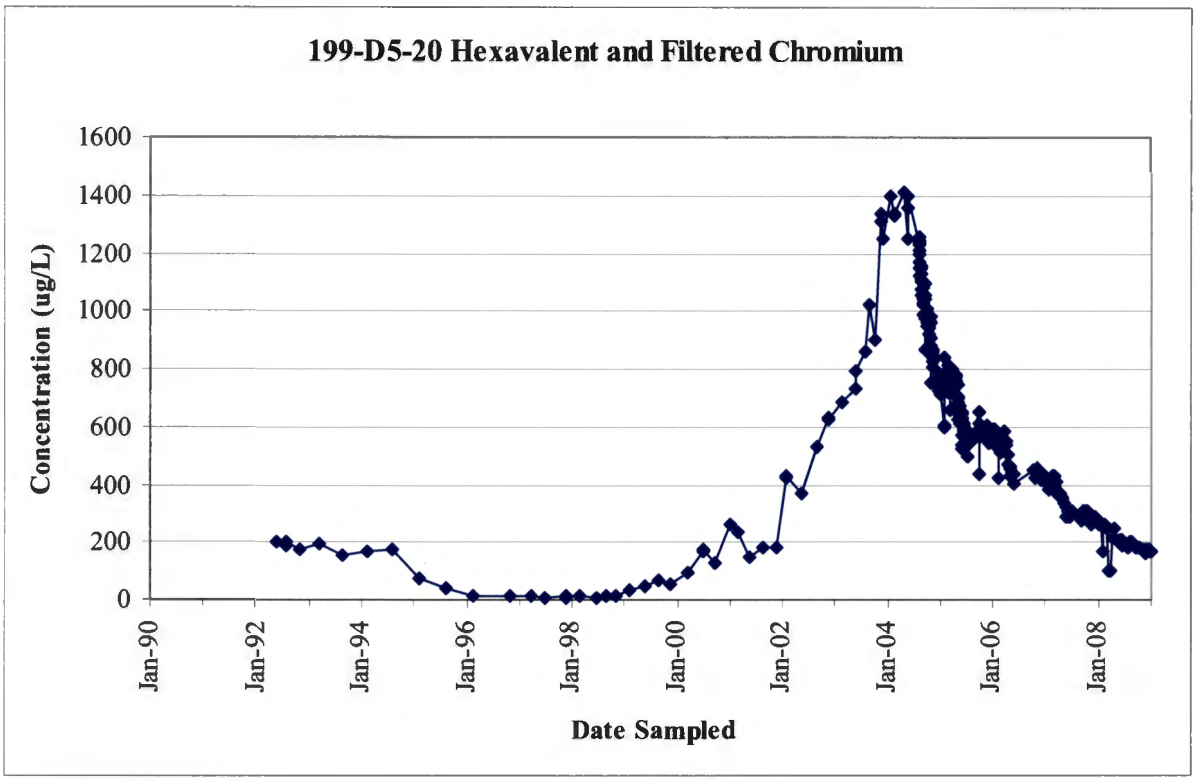
Jan-08
Date Sampled


199-D5-20 Hexavalent and Filtered Chromium
Concentration (ug/L)
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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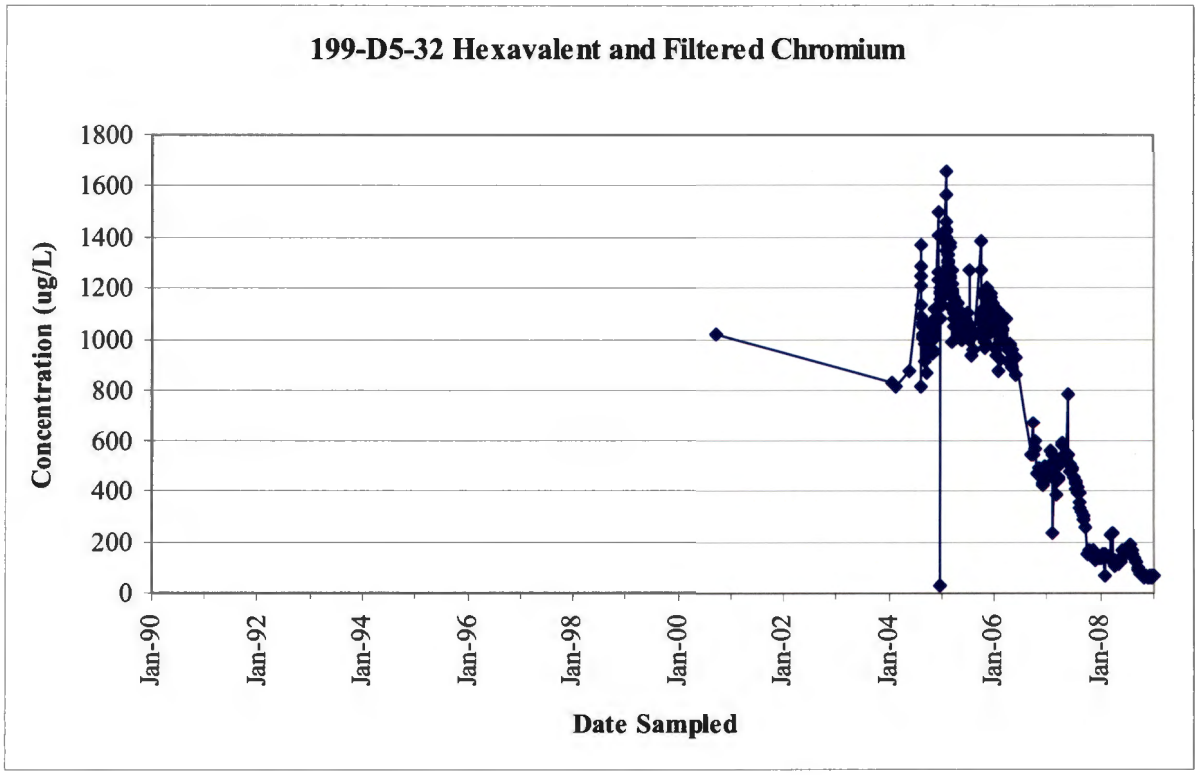
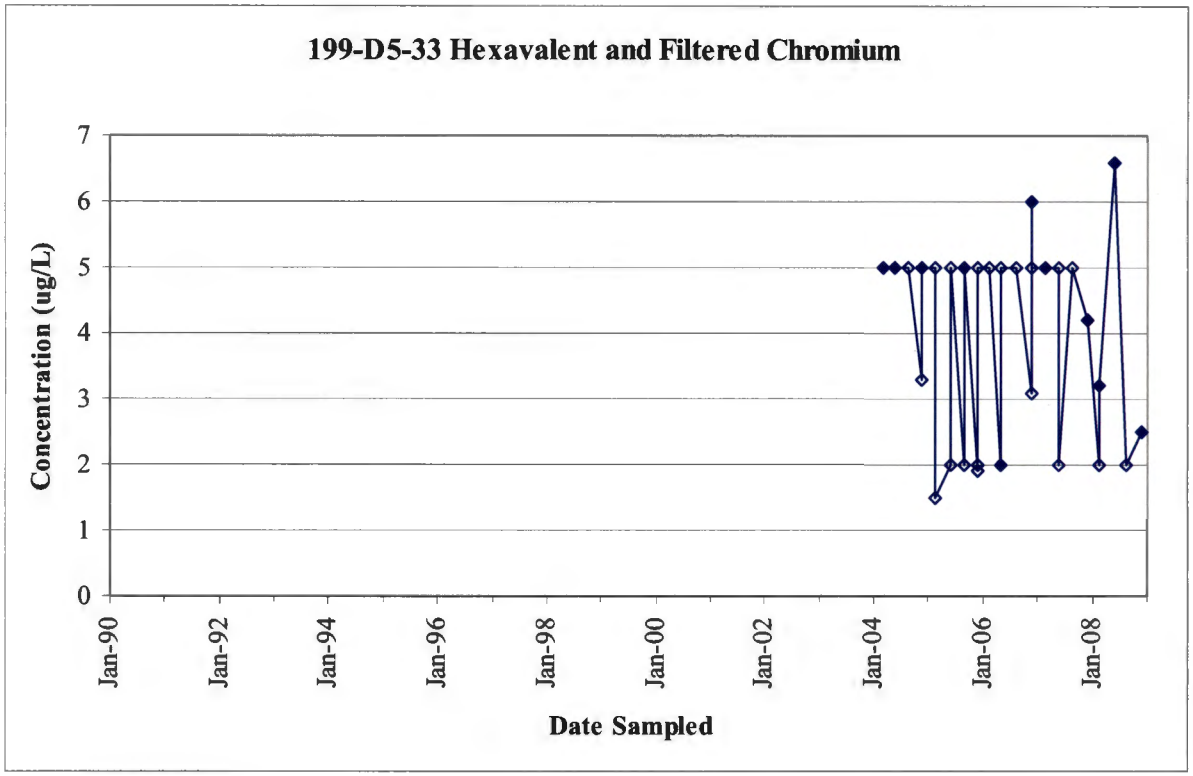
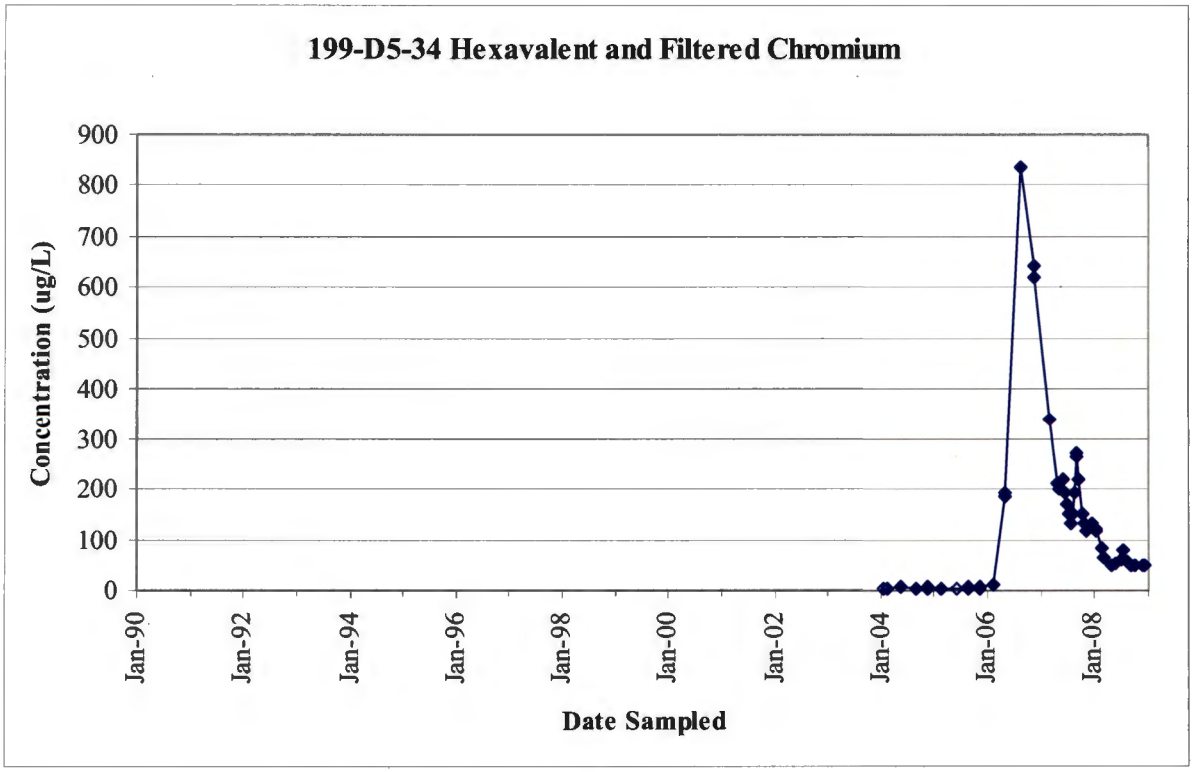
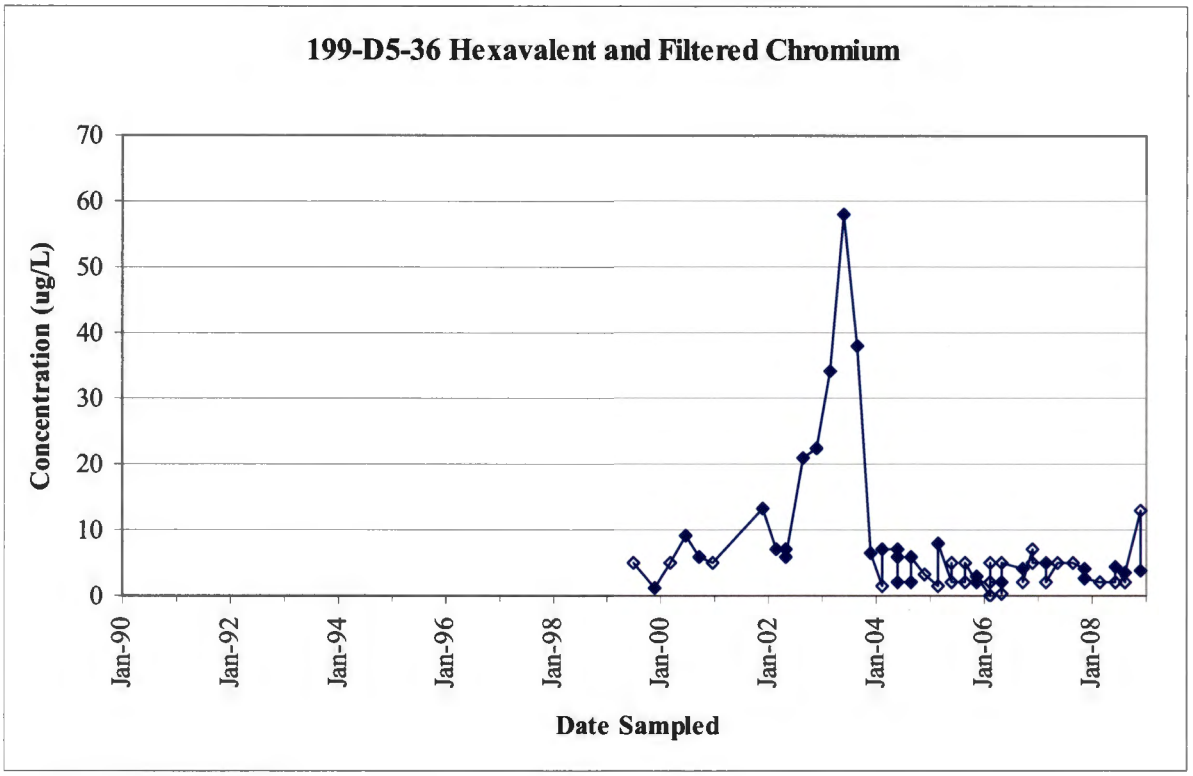
Jan-08
Date Sampled


199-D5-32 Hexavalent and Filtered Chromium
Concentration (ug/L)
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-33 Hexavalent and Filtered Chromium
Concentration (ug/L)
0
1
2
3
4
5
6
7
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-34 Hexavalent and Filtered Chromium
Concentration (ug/L)
0
100
200
300
400
500
600
700
800
900
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-36 Hexavalent and Filtered Chromium
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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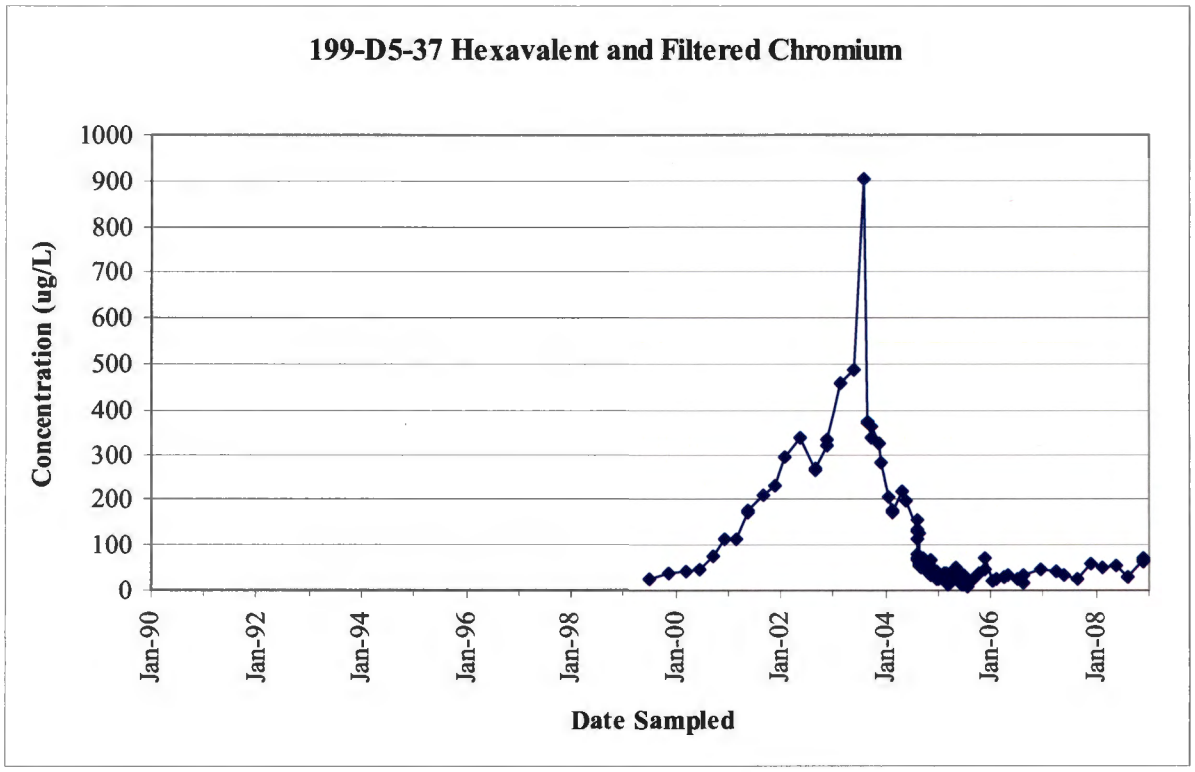
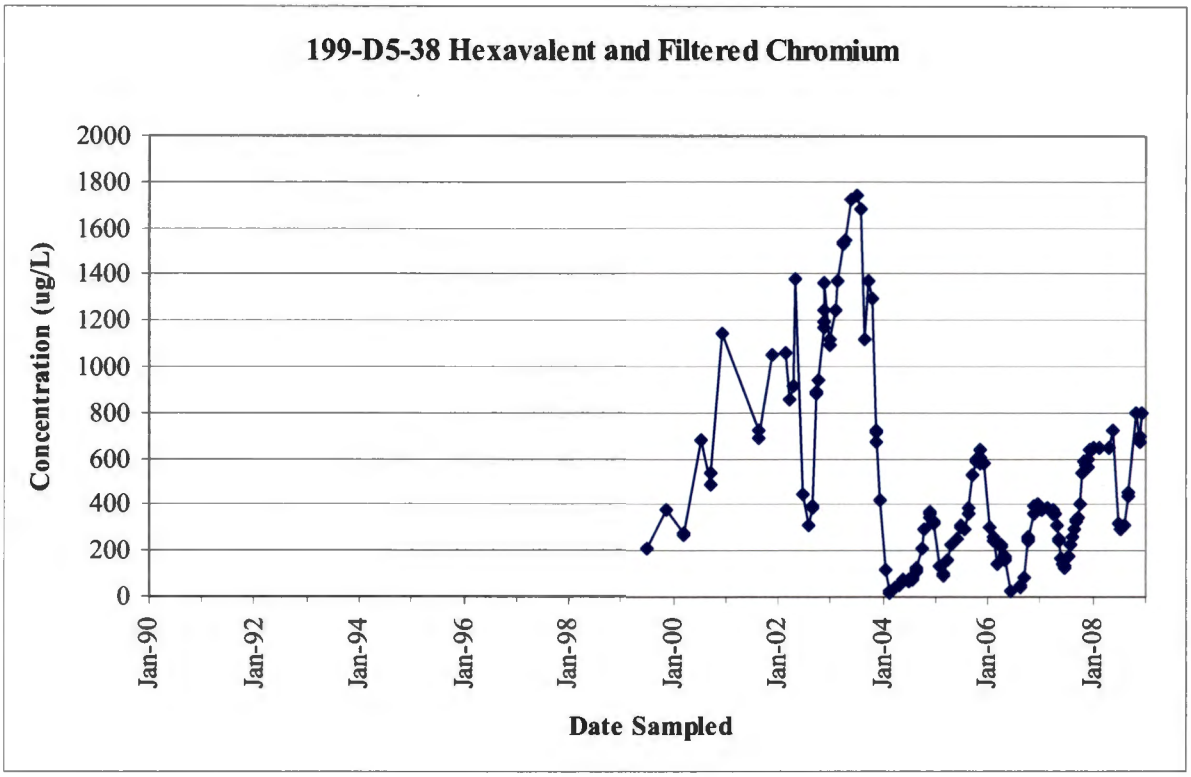
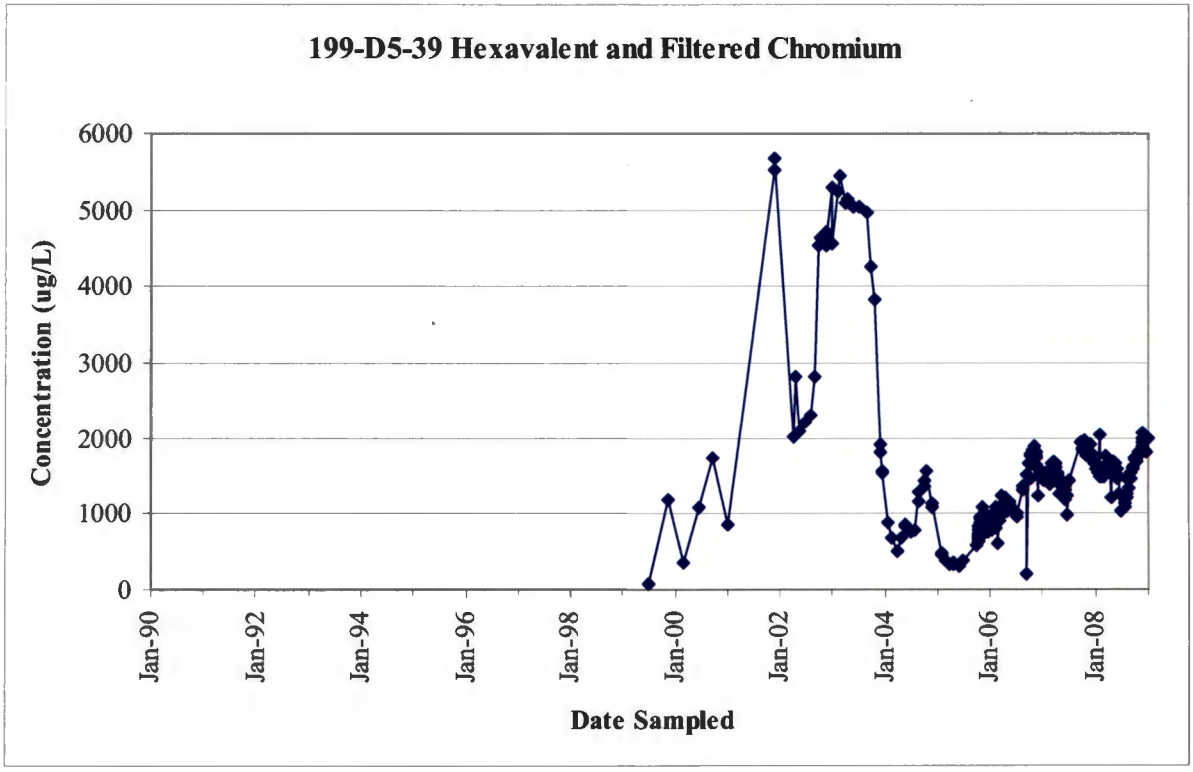
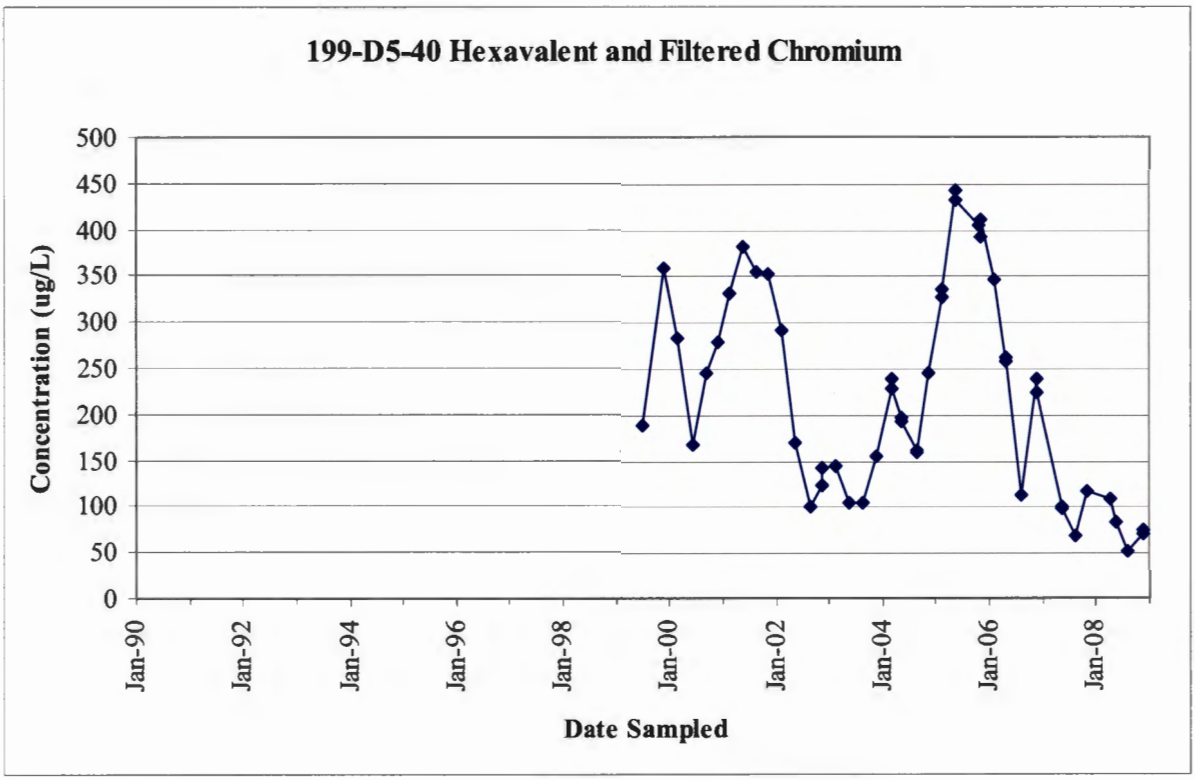
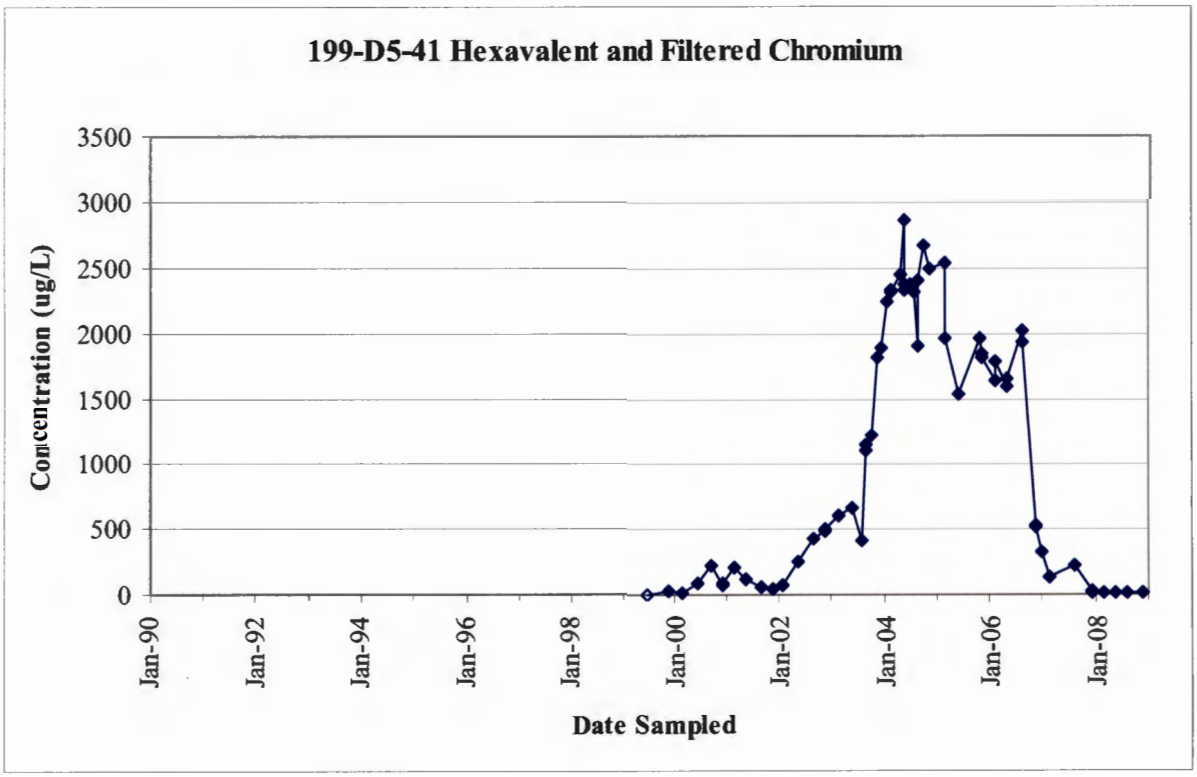
Jan-06
Jan-08
Date Sampled

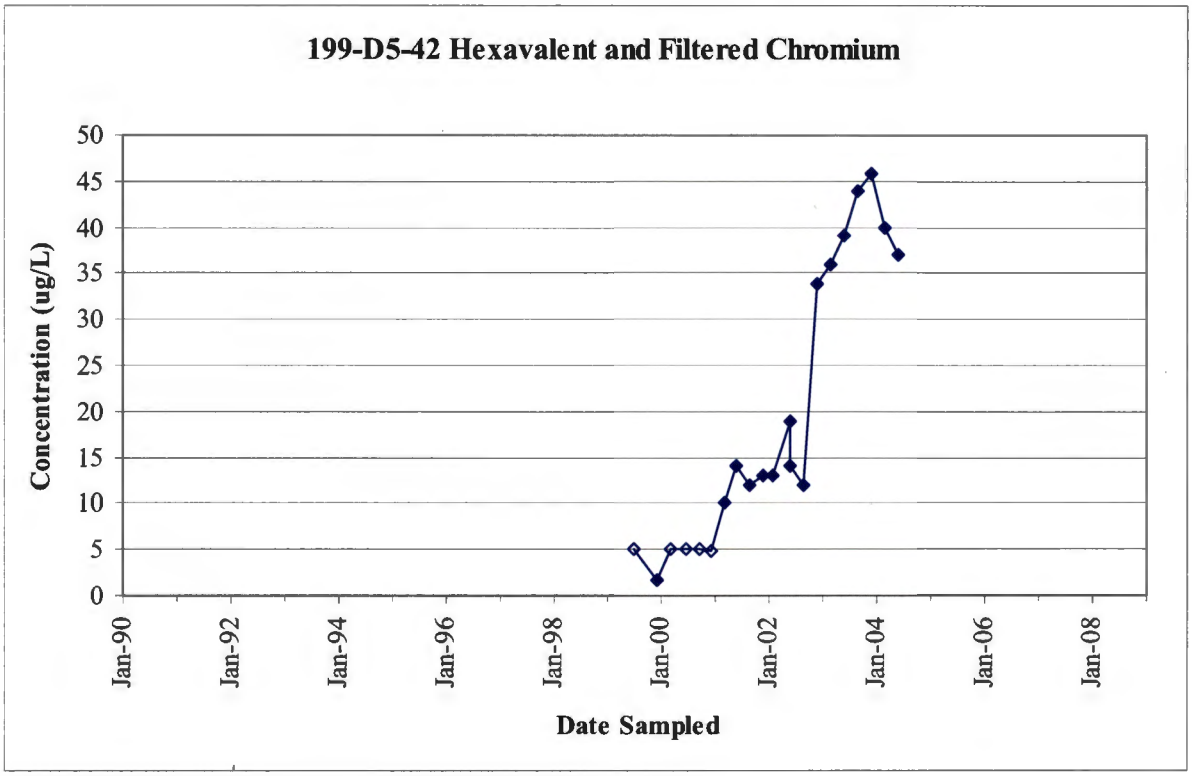

199-D5-37 Hexavalent and Filtered Chromium
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

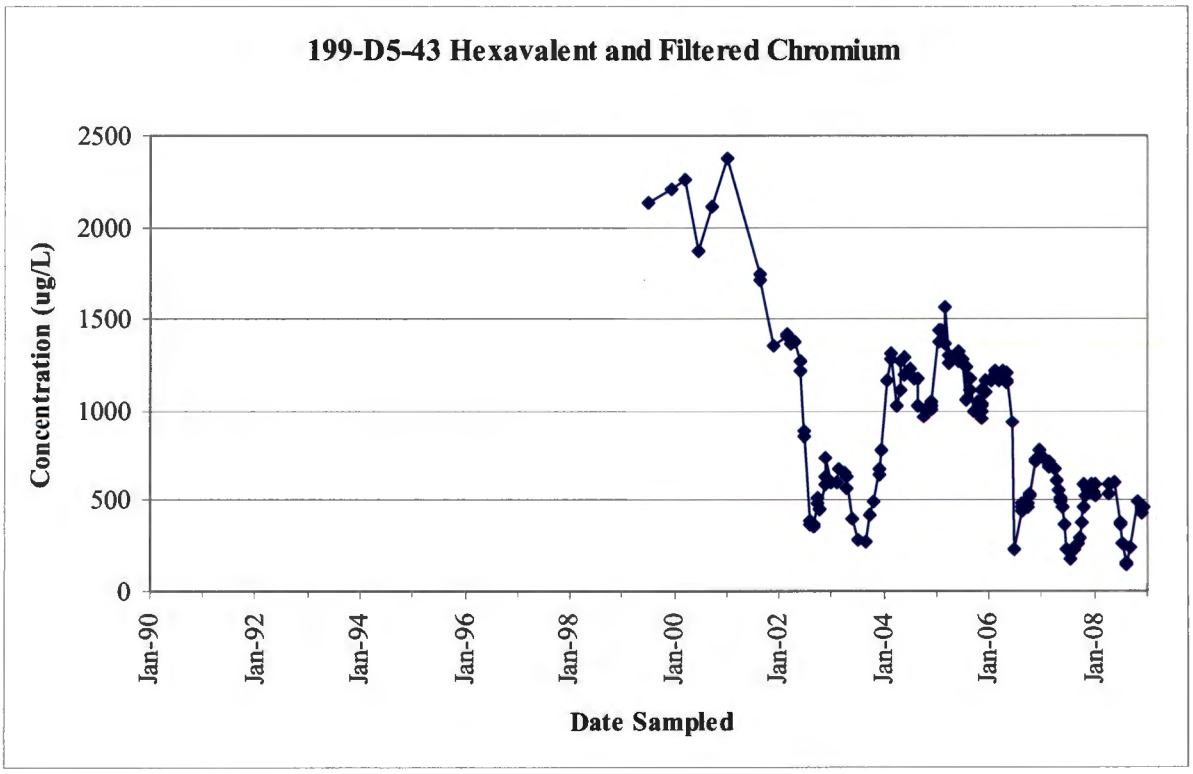

199-D5-38 Hexavalent and Filtered Chromium
Concentration (ug/L)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

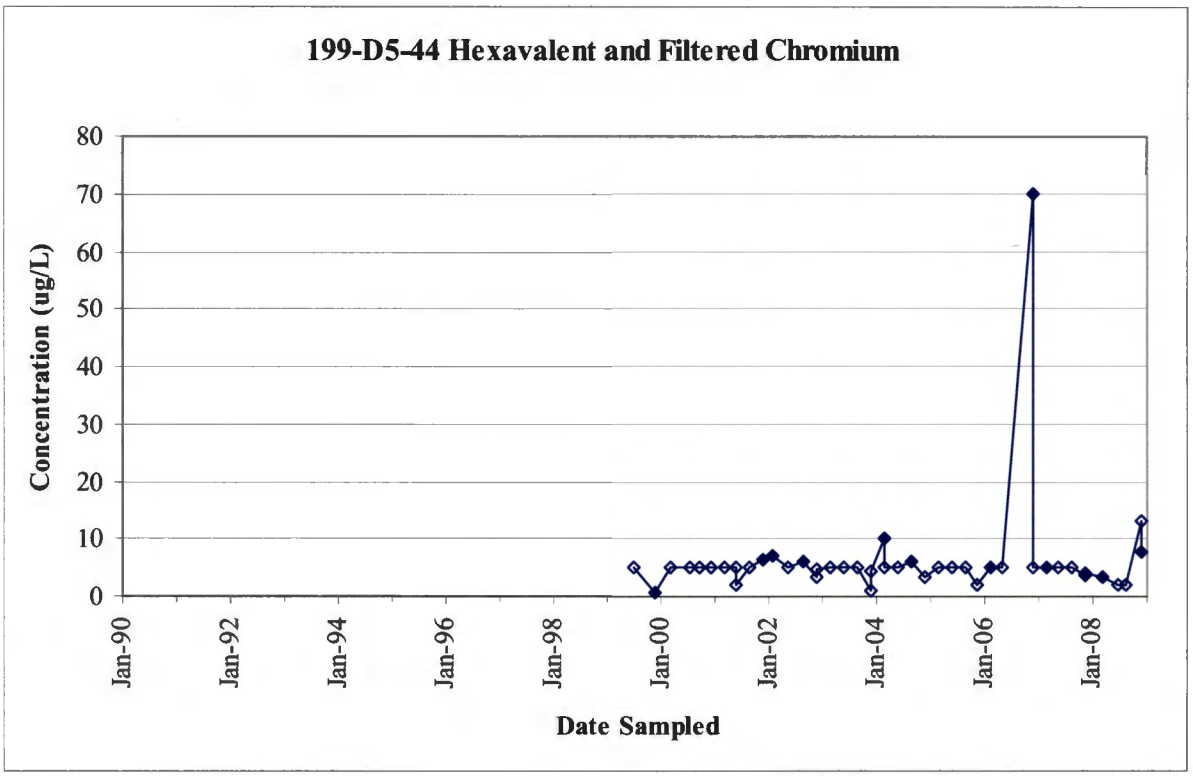

199-D5-39 Hexavalent and Filtered Chromium
Concentration (ug/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

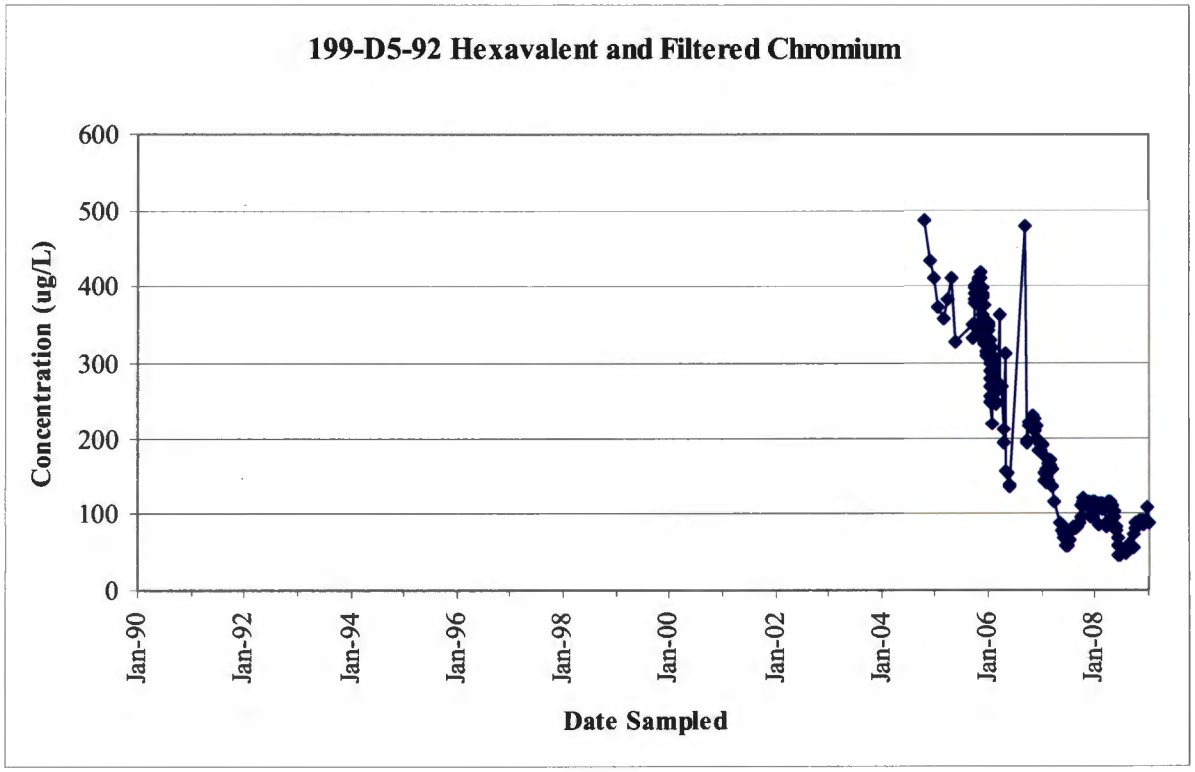

199-D5-40 Hexavalent and Filtered Chromium
Concentration (ug/L)
500
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

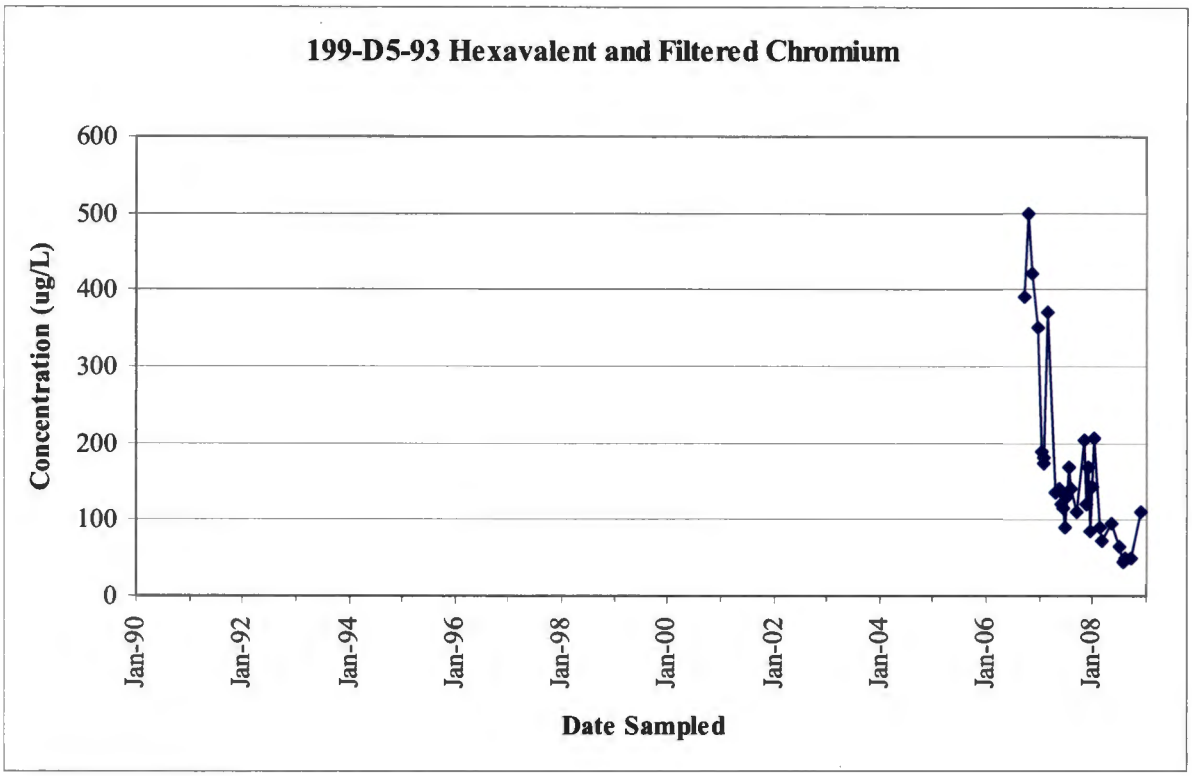

199-D5-41 Hexavalent and Filtered Chromium
Concentration (ug/L)
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

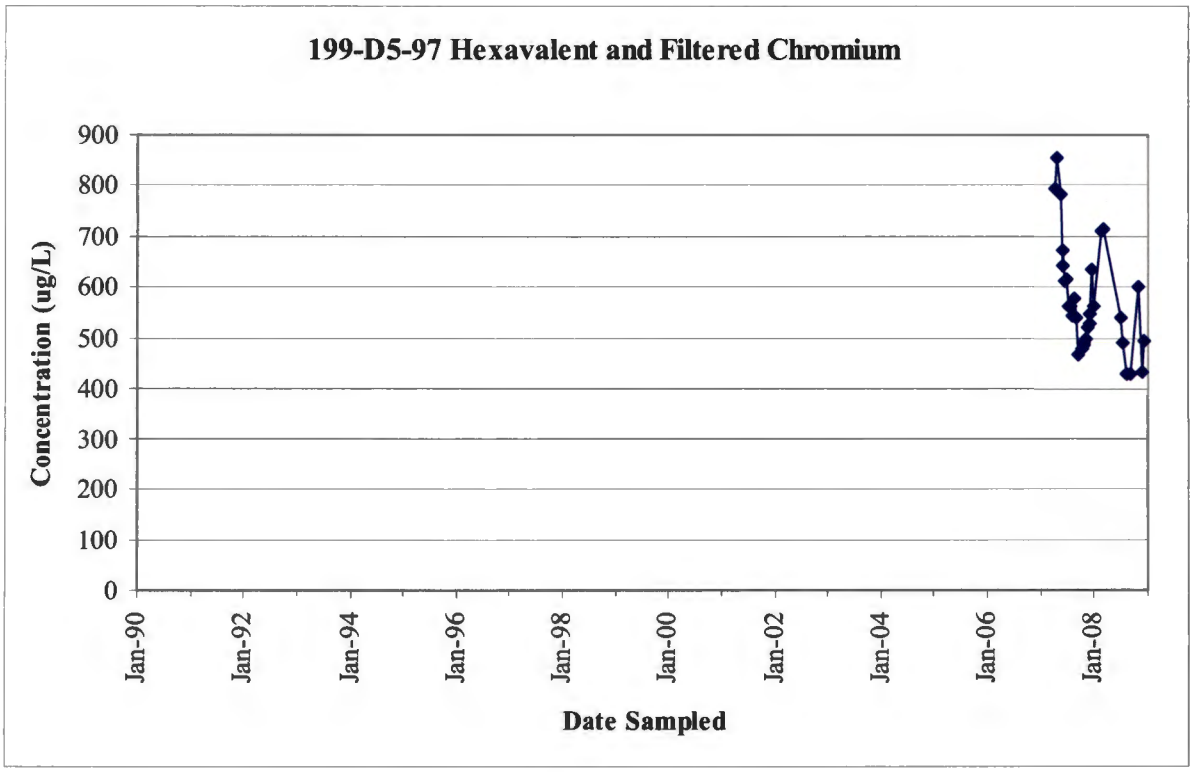

199-D5-42 Hexavalent and Filtered Chromium
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

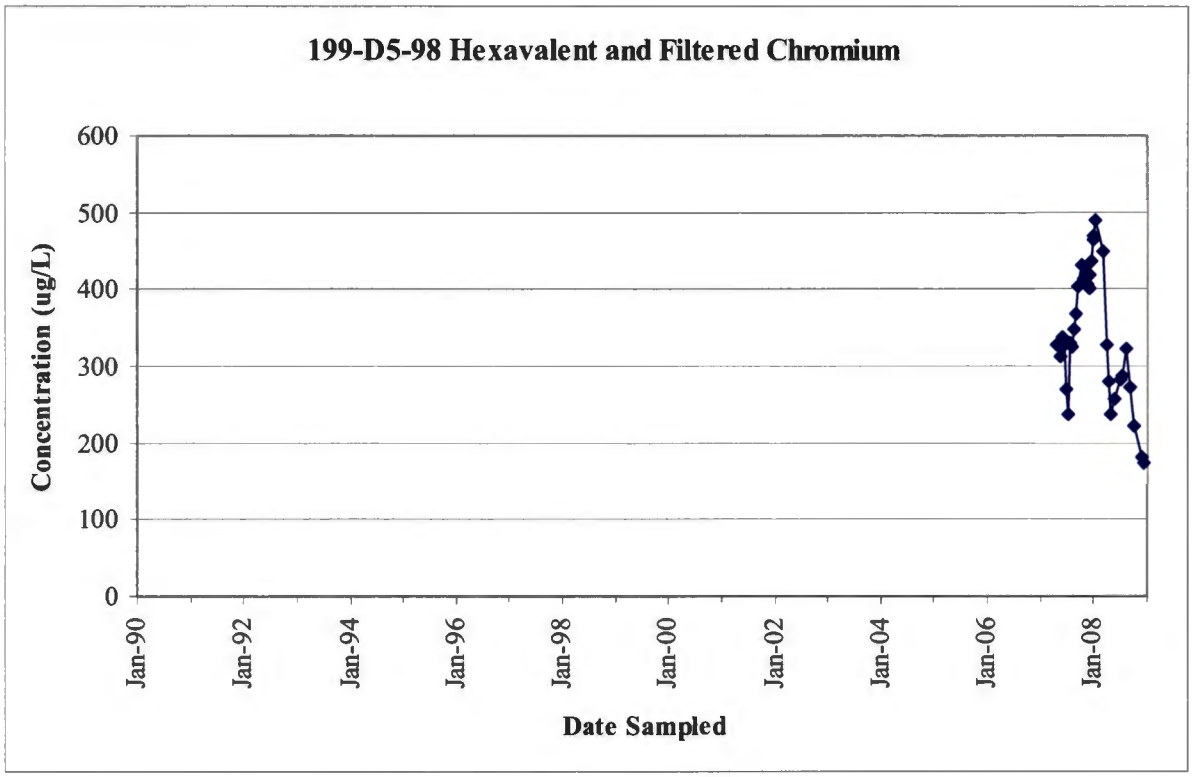

199-D5-43 Hexavalent and Filtered Chromium
Concentration (ug/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

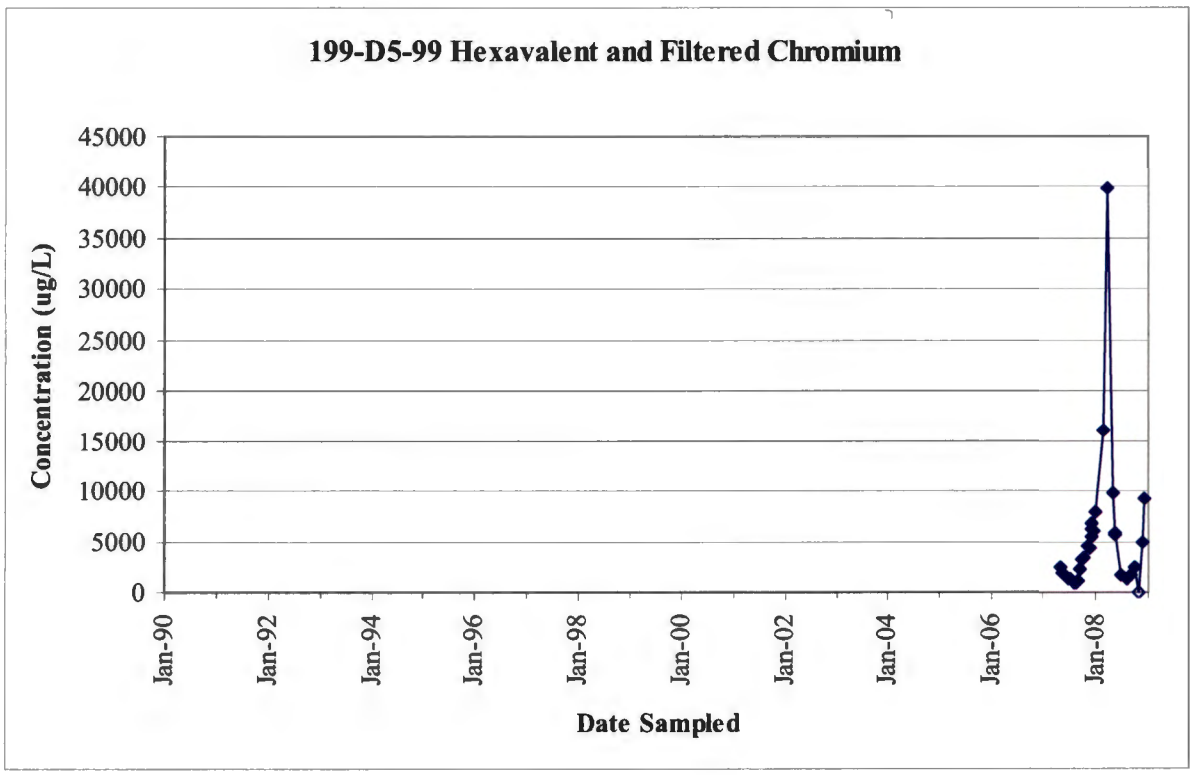

199-D5-44 Hexavalent and Filtered Chromium
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

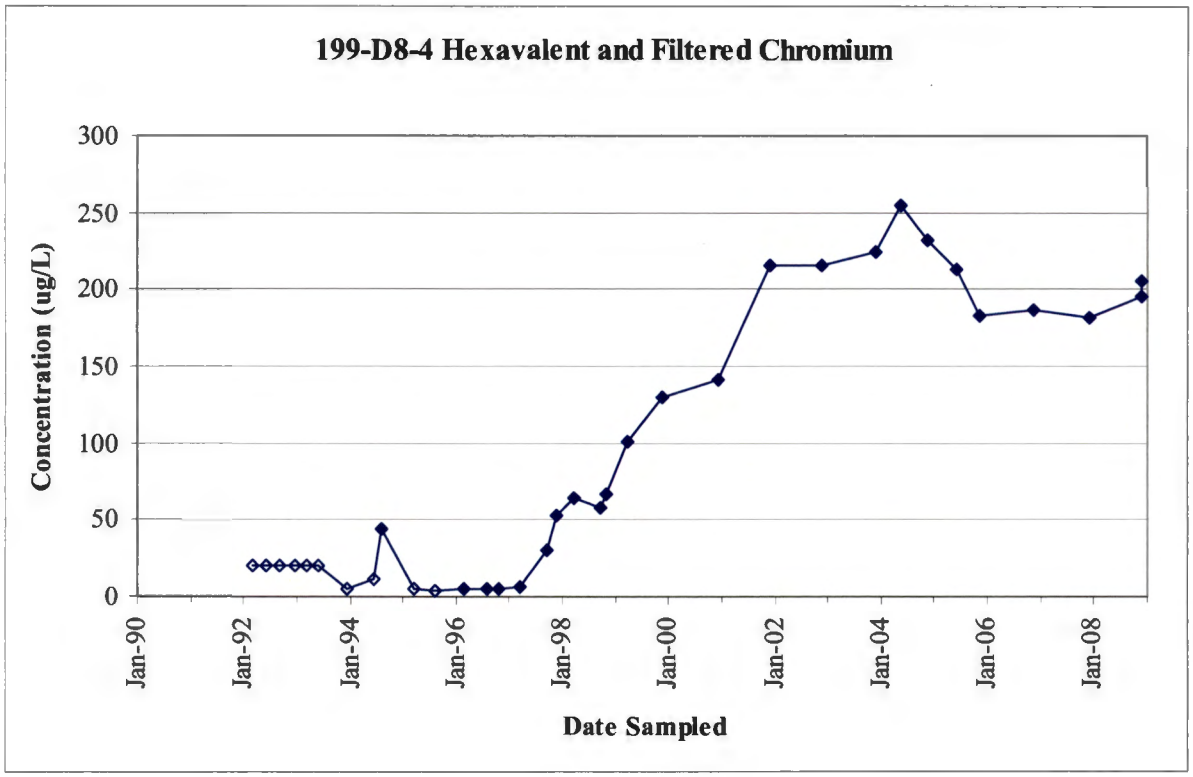

199-D5-92 Hexavalent and Filtered Chromium
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

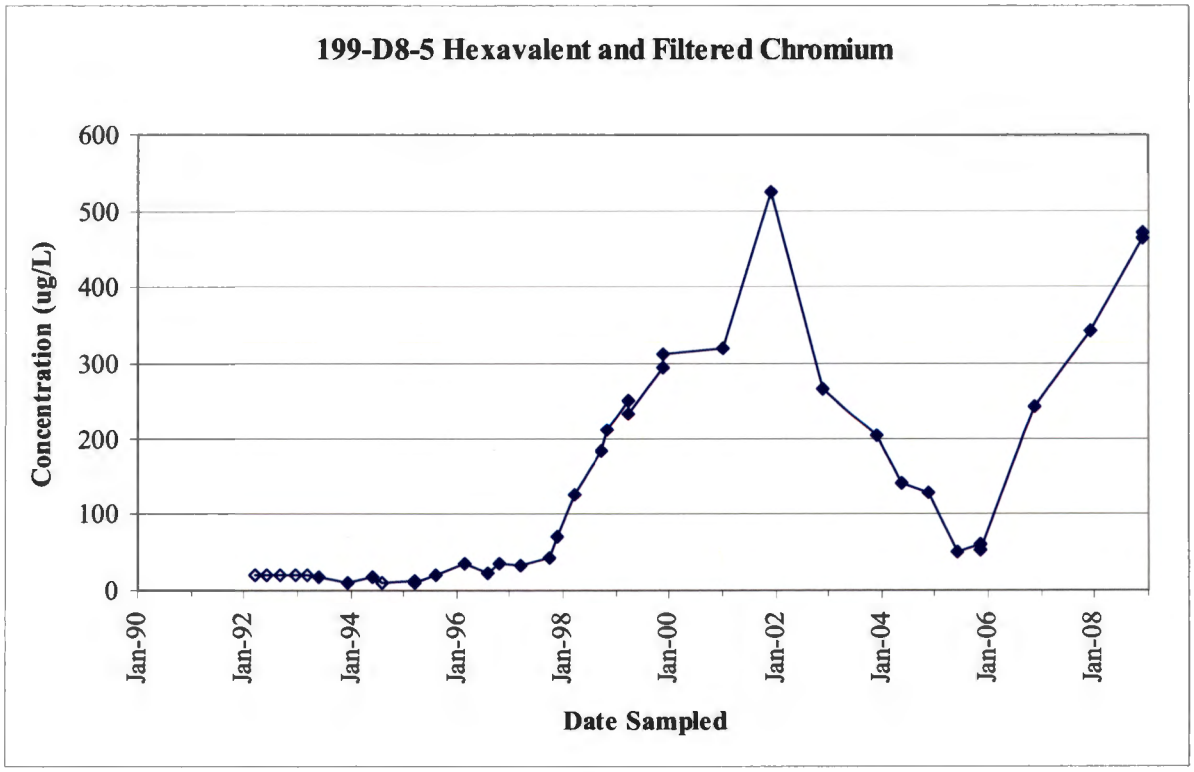

199-D5-93 Hexavalent and Filtered Chromium
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

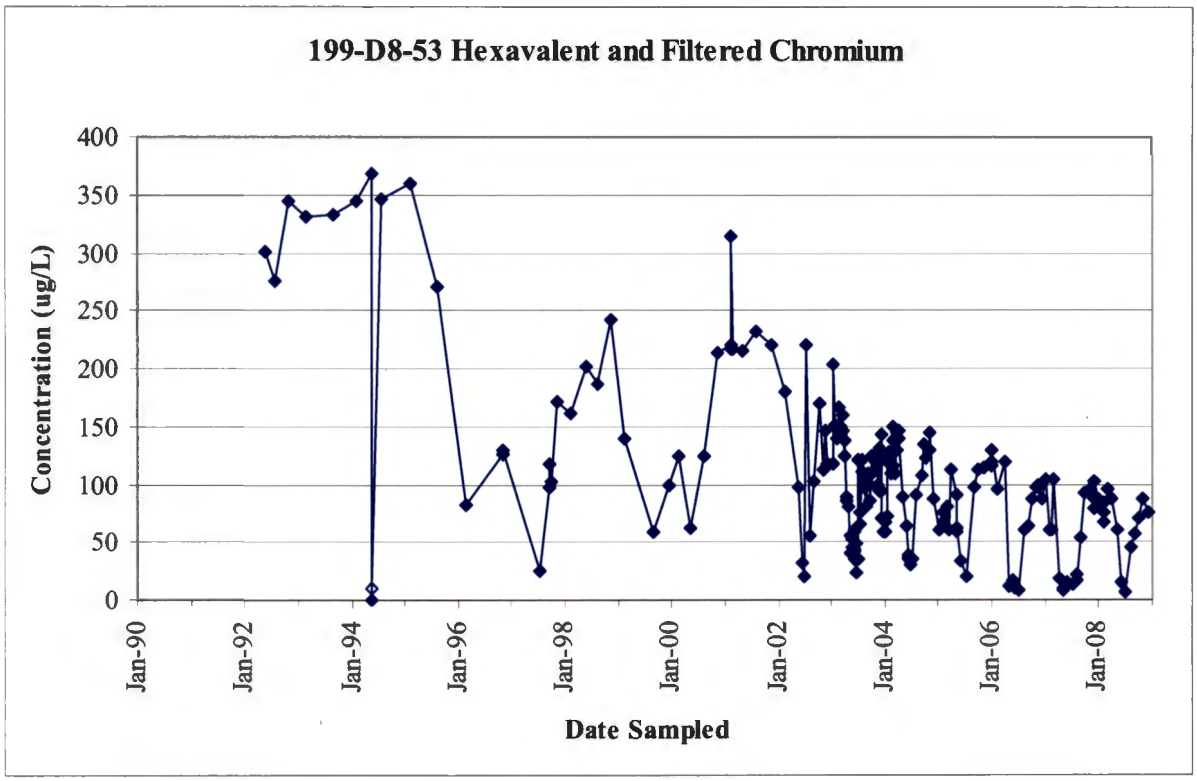

199-D5-97 Hexavalent and Filtered Chromium
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

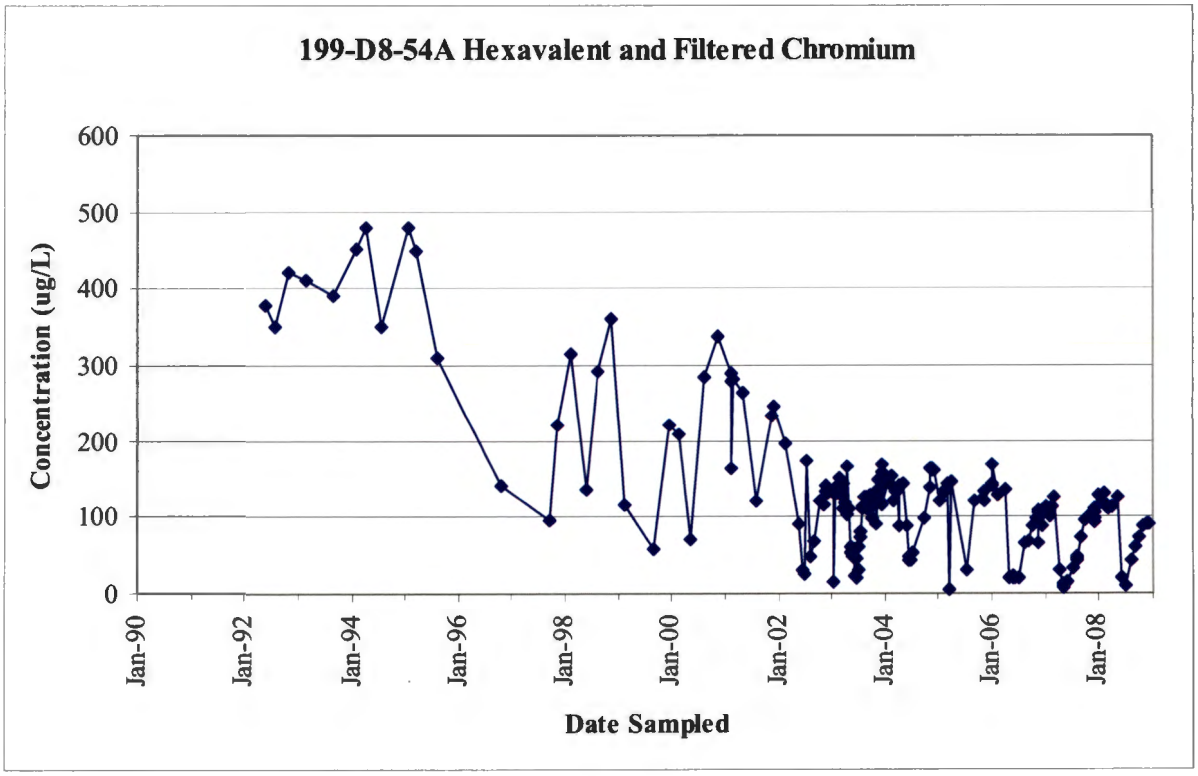

199-D5-98 Hexavalent and Filtered Chromium
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

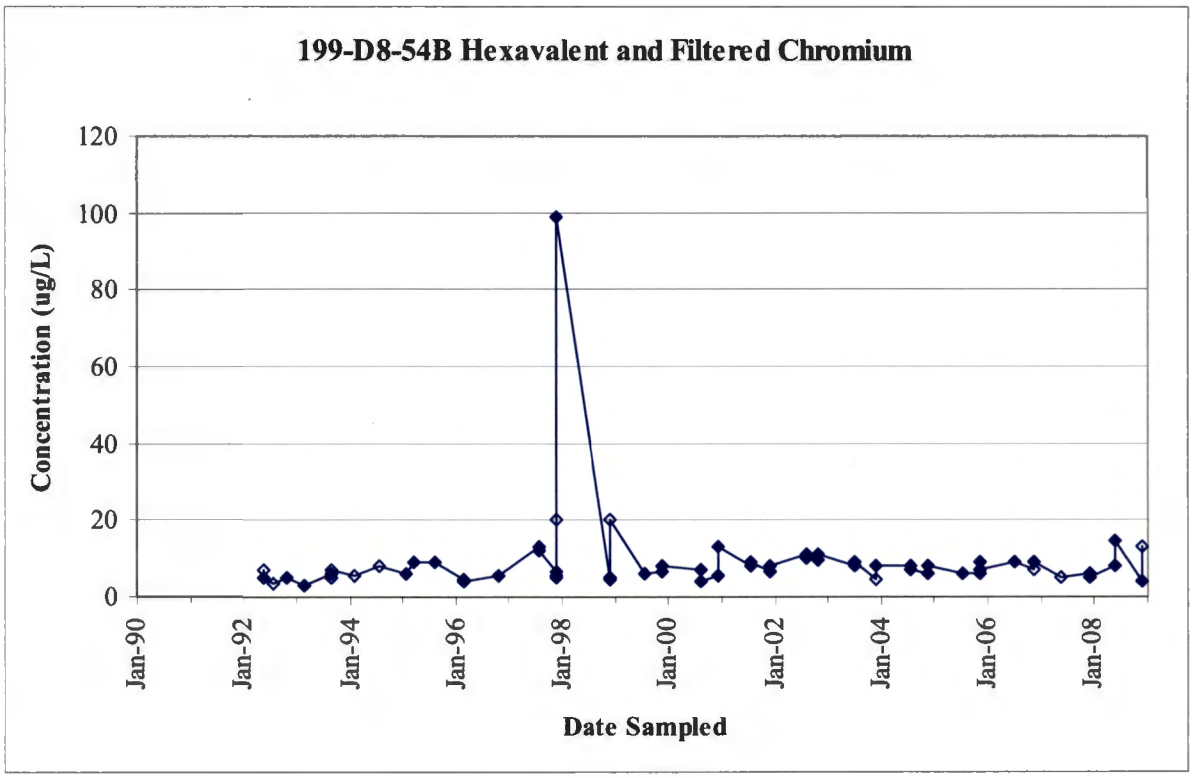

199-D5-99 Hexavalent and Filtered Chromium
Concentration (ug/L)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

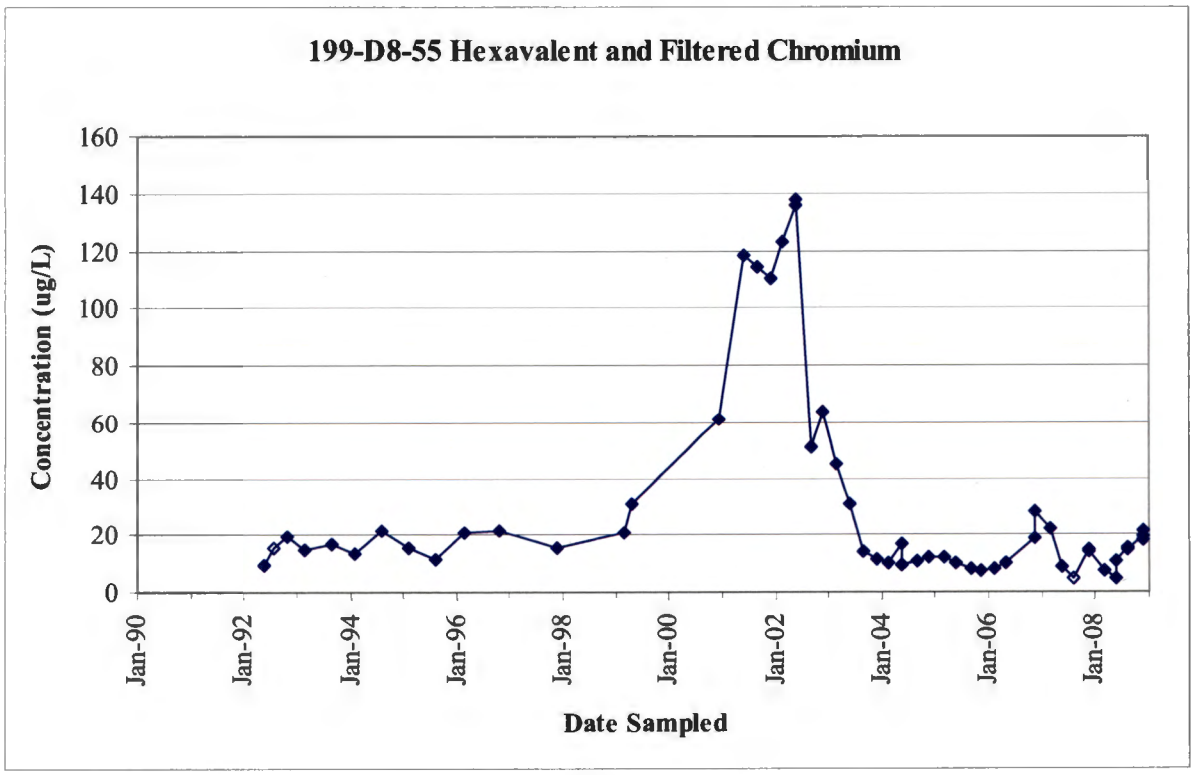

199-D8-4 Hexavalent and Filtered Chromium
Concentration (ug/L)
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

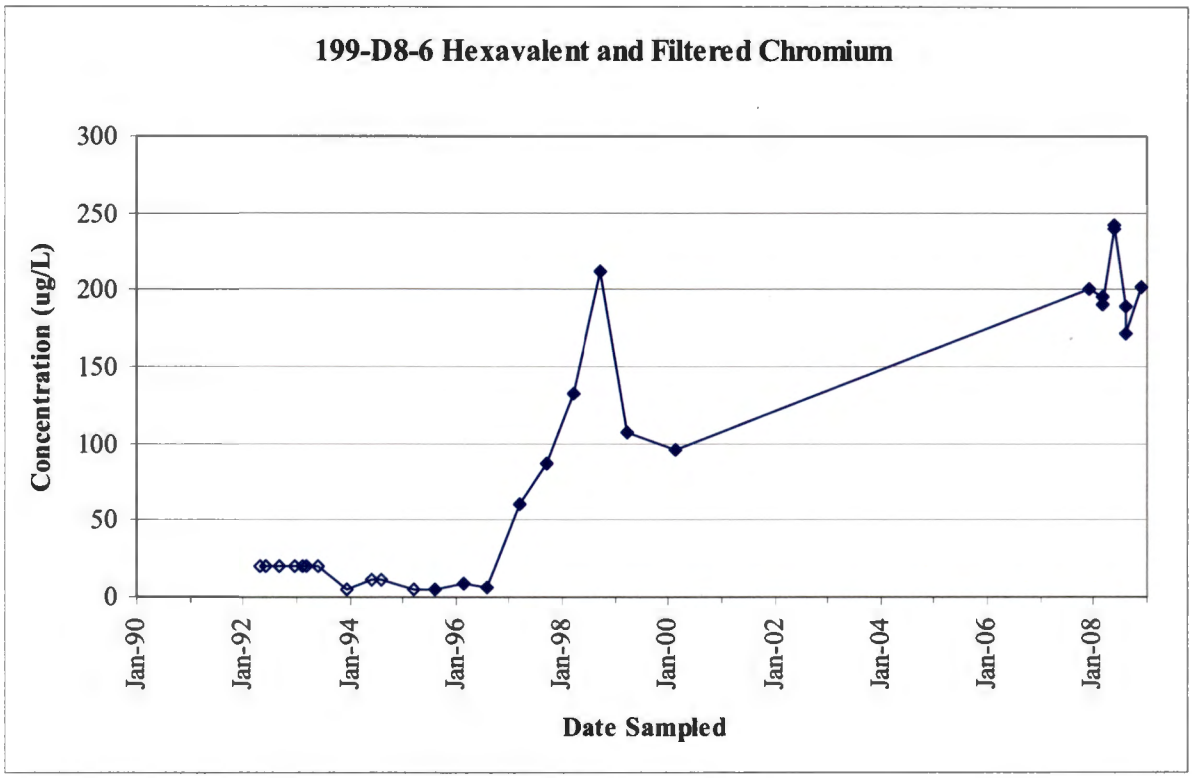

199-D8-5 Hexavalent and Filtered Chromium
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

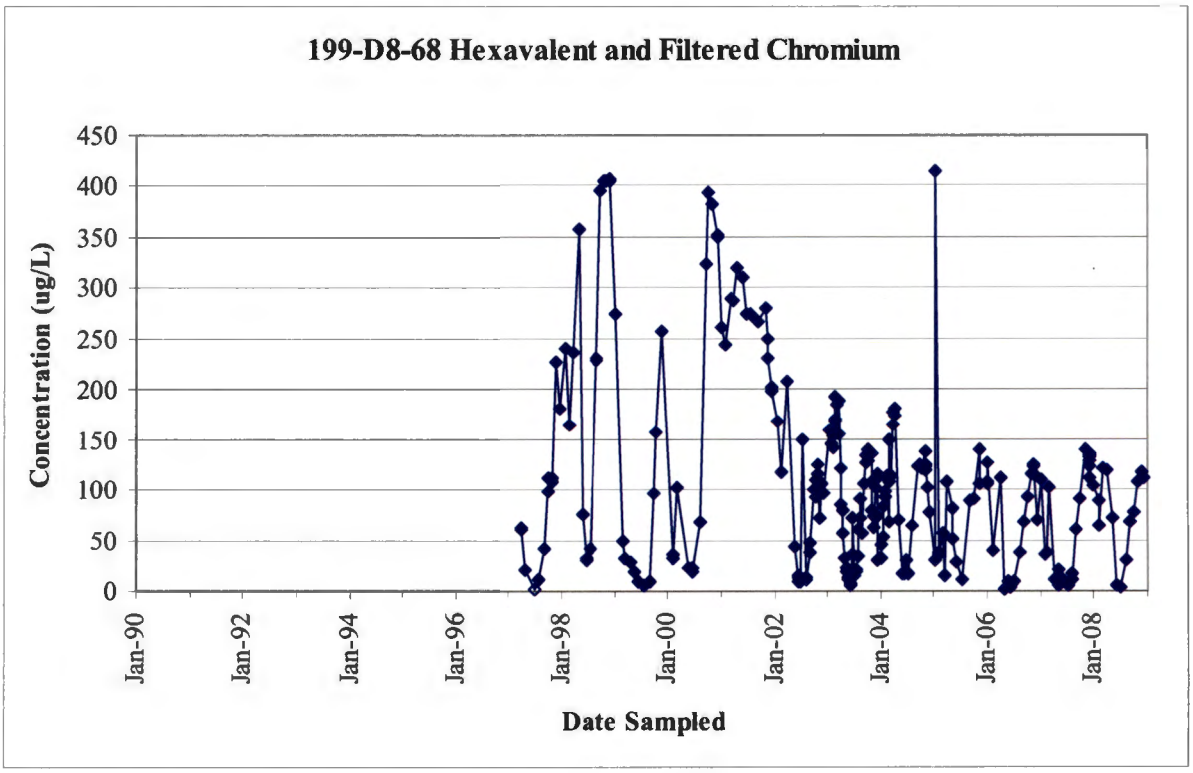

199-D8-53 Hexavalent and Filtered Chromium
Concentration (ug/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

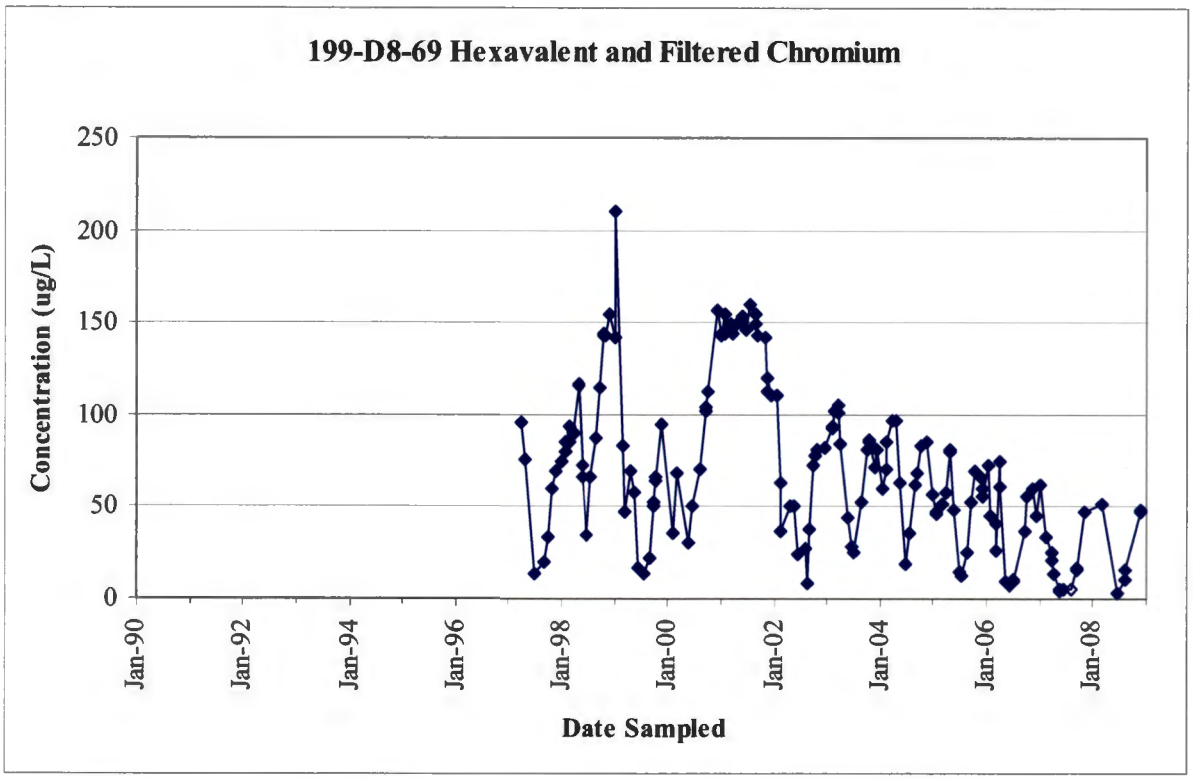

199-D8-54A Hexavalent and Filtered Chromium
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

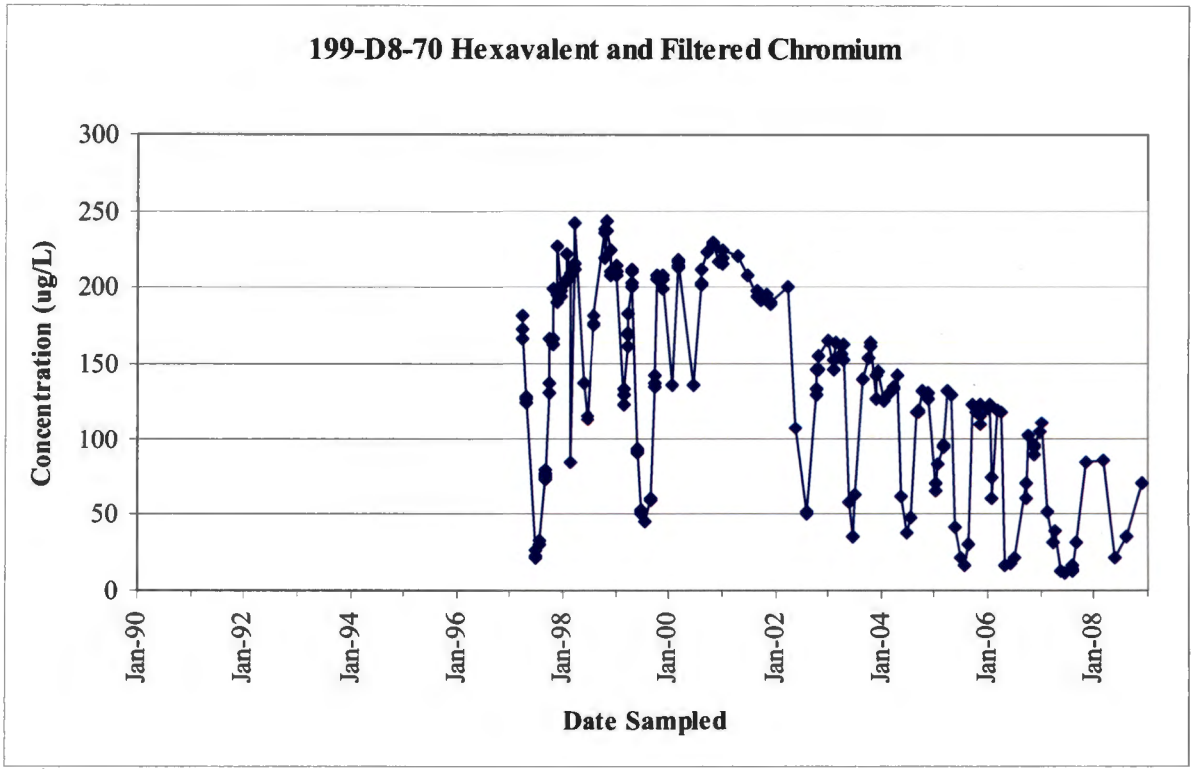

199-D8-54B Hexavalent and Filtered Chromium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

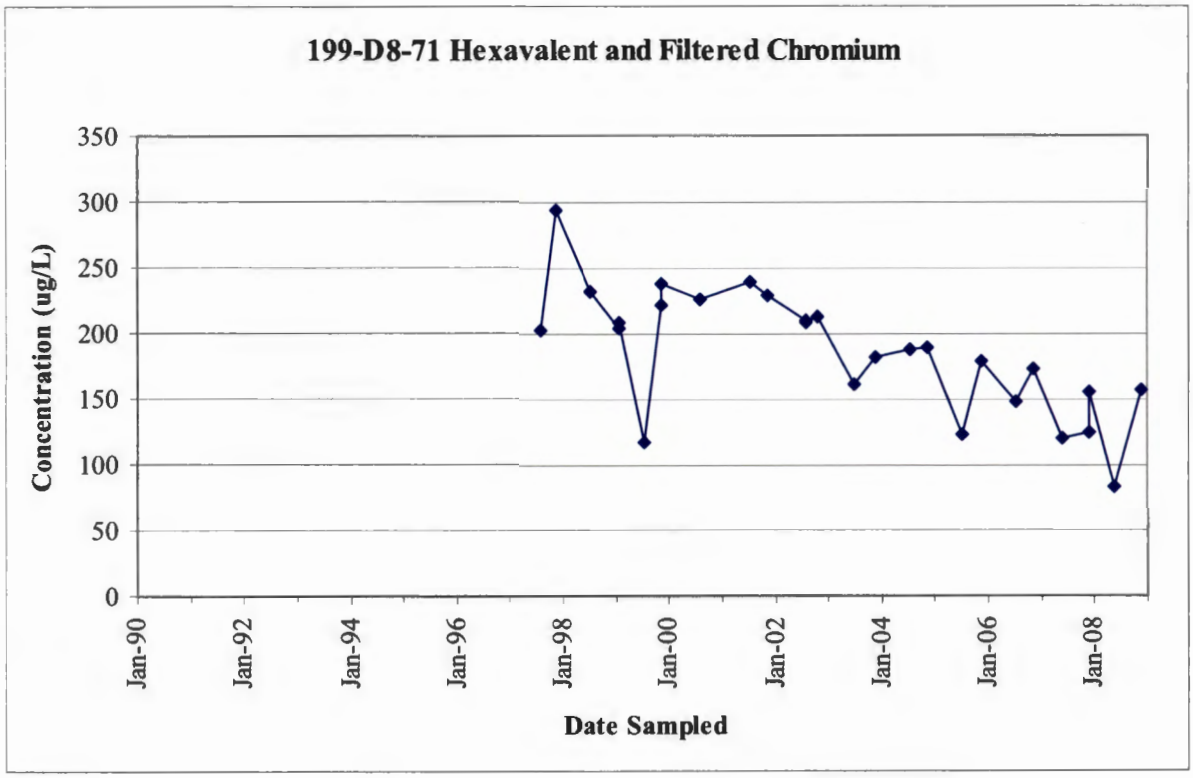

199-D8-55 Hexavalent and Filtered Chromium
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

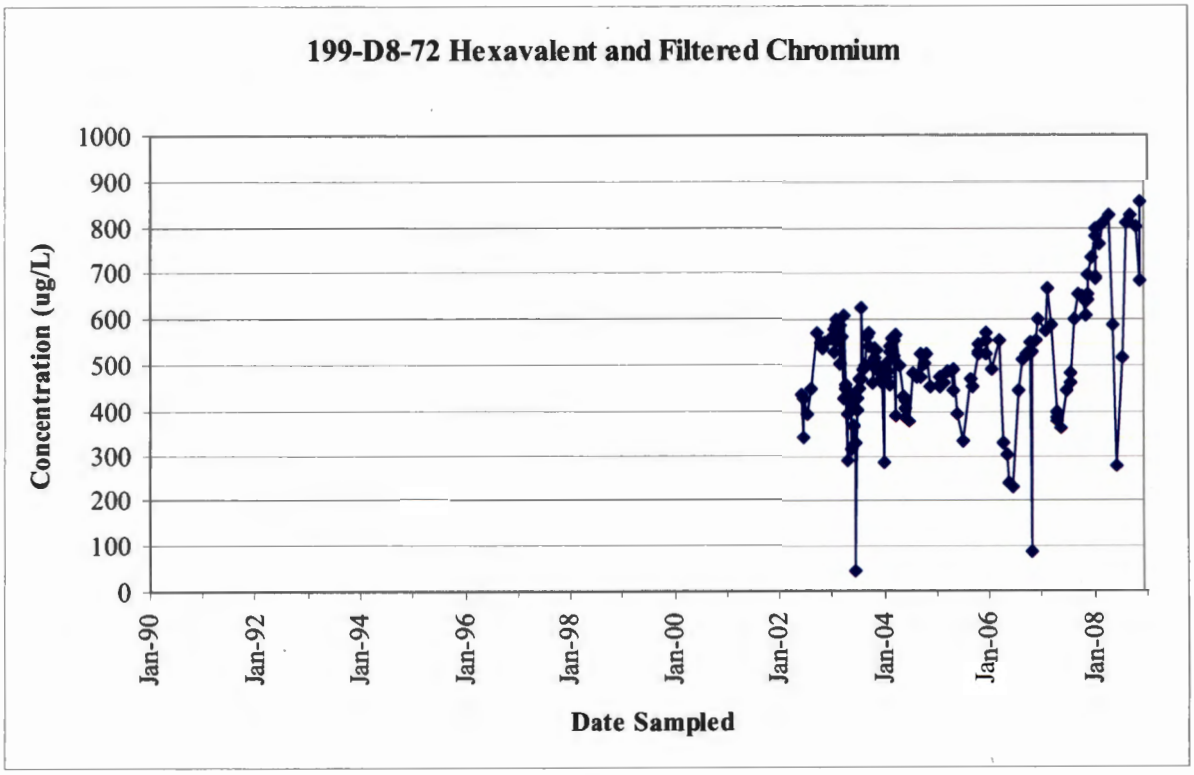

199-D8-6 Hexavalent and Filtered Chromium
Concentration (ug/L)
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

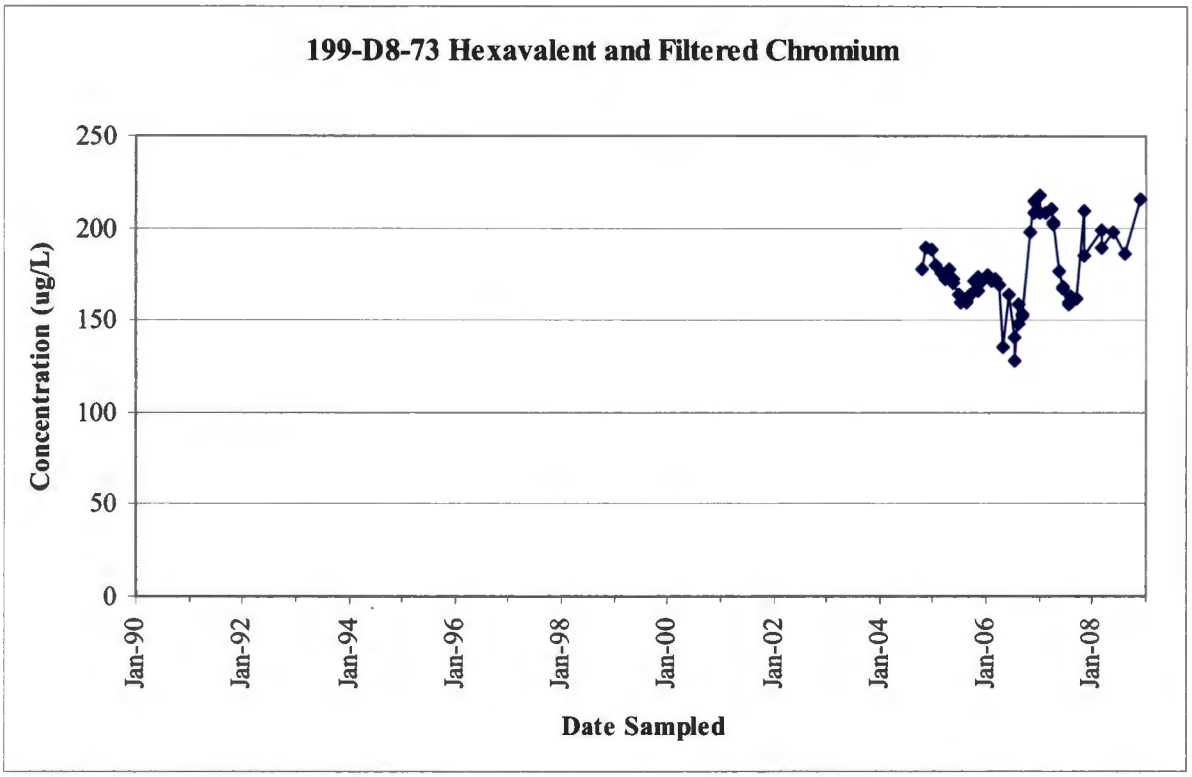

199-D8-68 Hexavalent and Filtered Chromium
Concentration (ug/L)
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

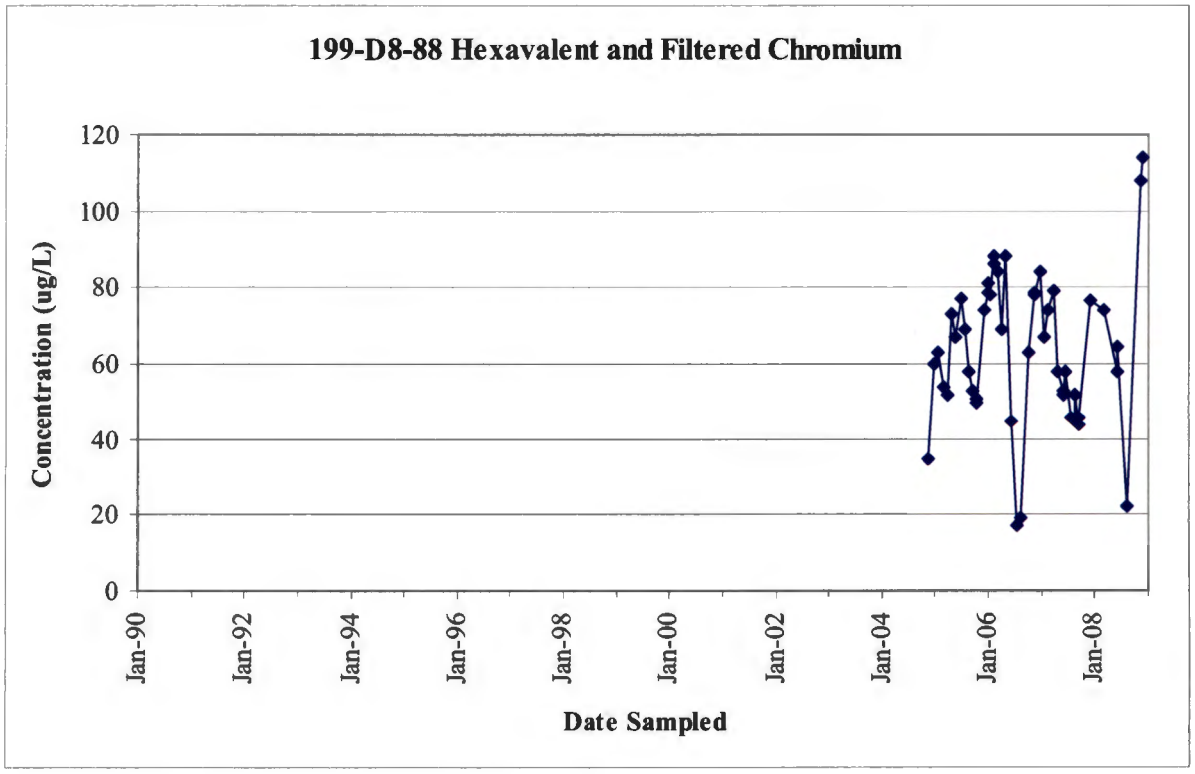

199-D8-69 Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

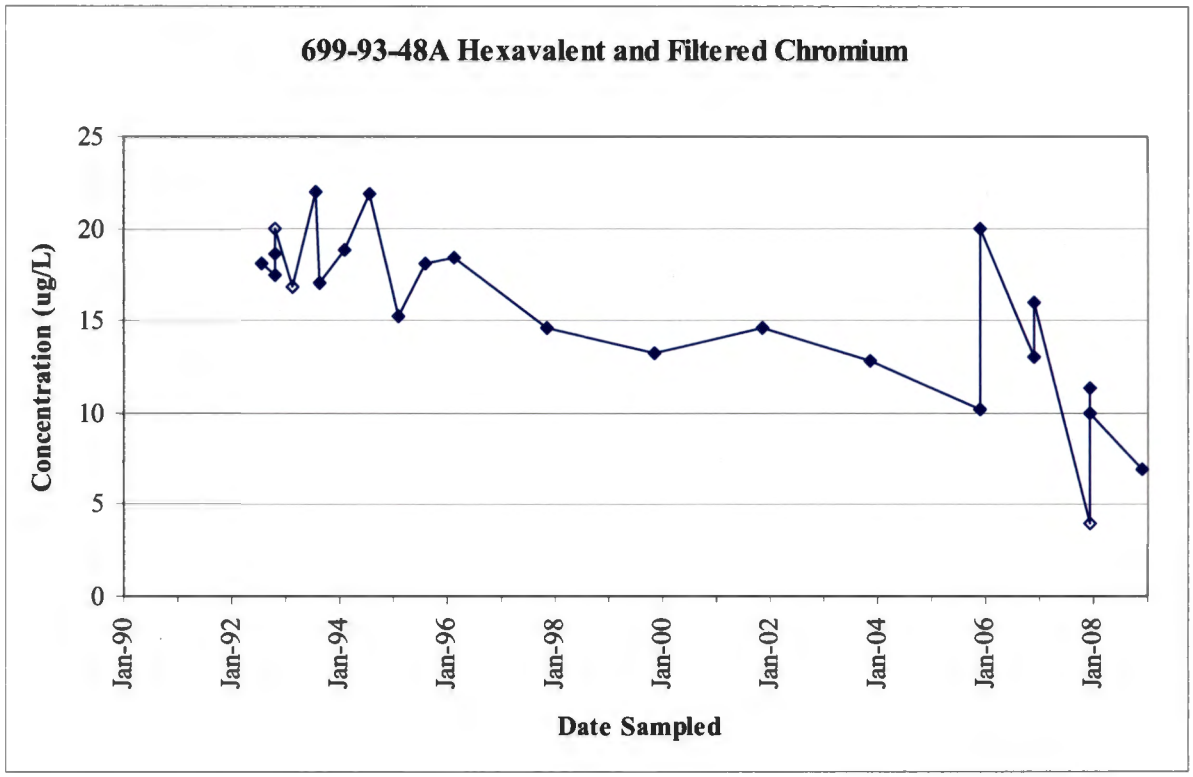

199-D8-70 Hexavalent and Filtered Chromium
Concentration (ug/L)
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

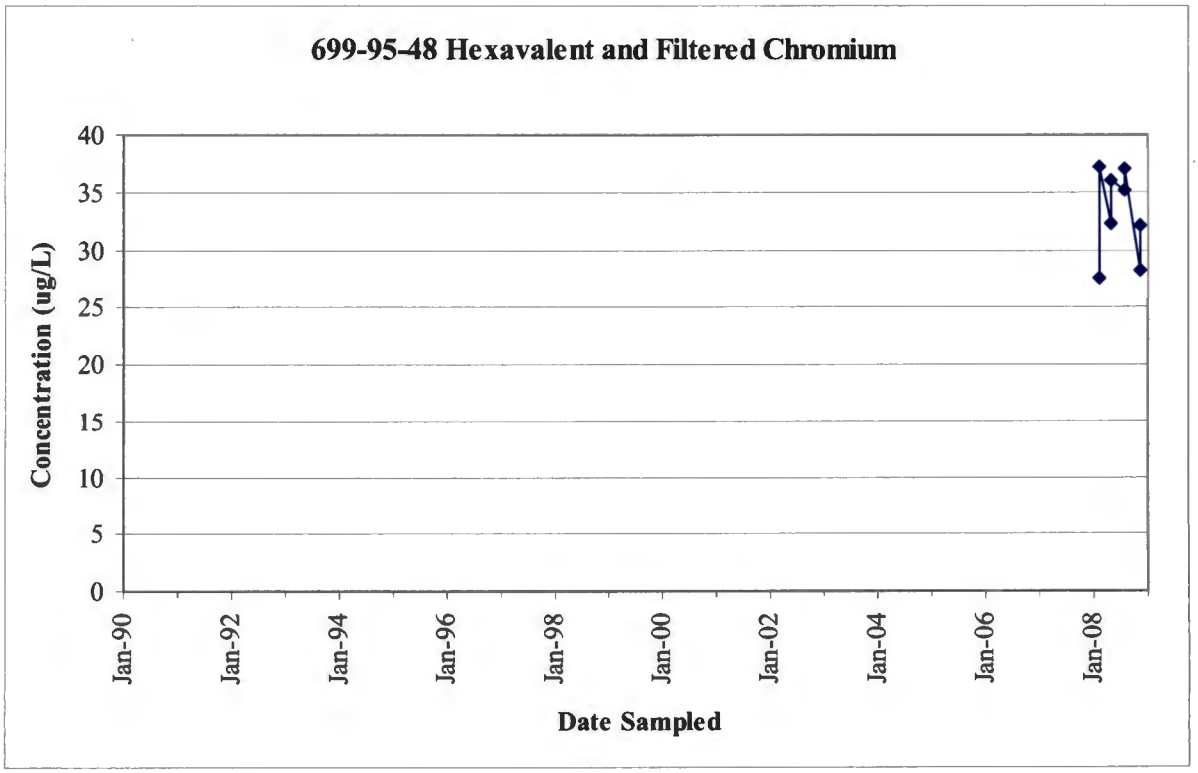

199-D8-71 Hexavalent and Filtered Chromium
Concentration (ug/L)
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

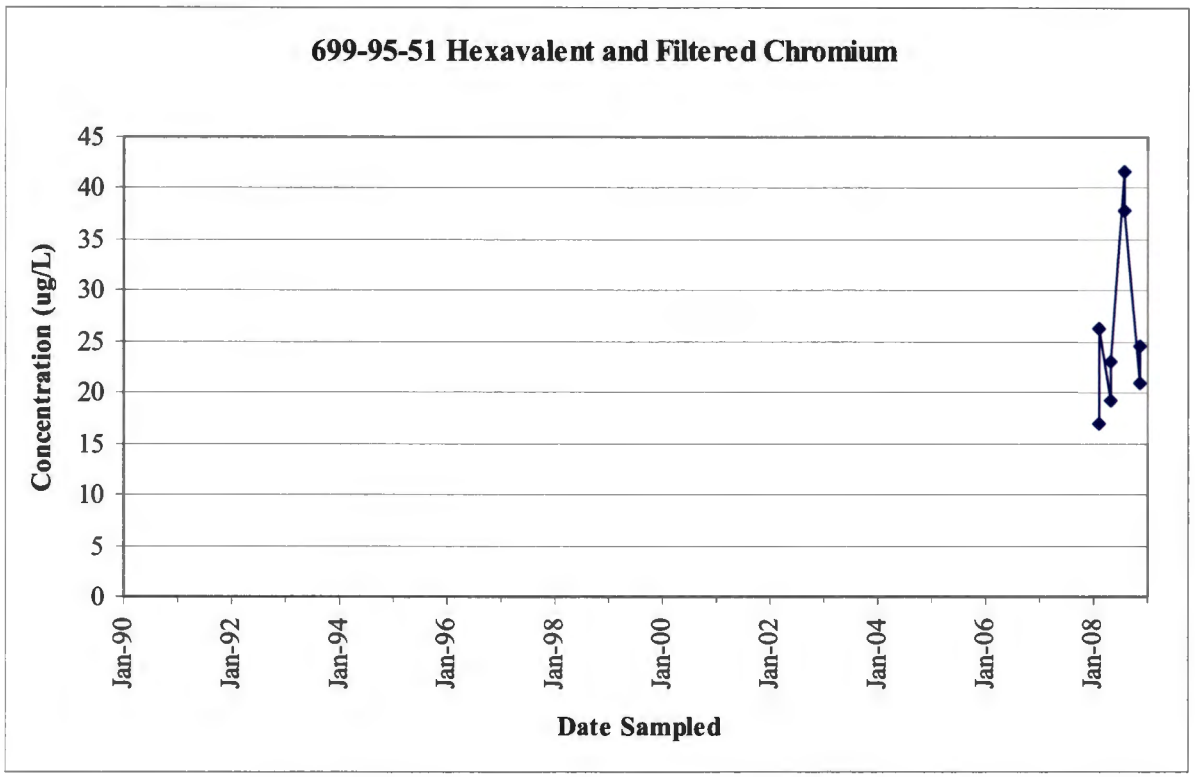

199-D8-72 Hexavalent and Filtered Chromium
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

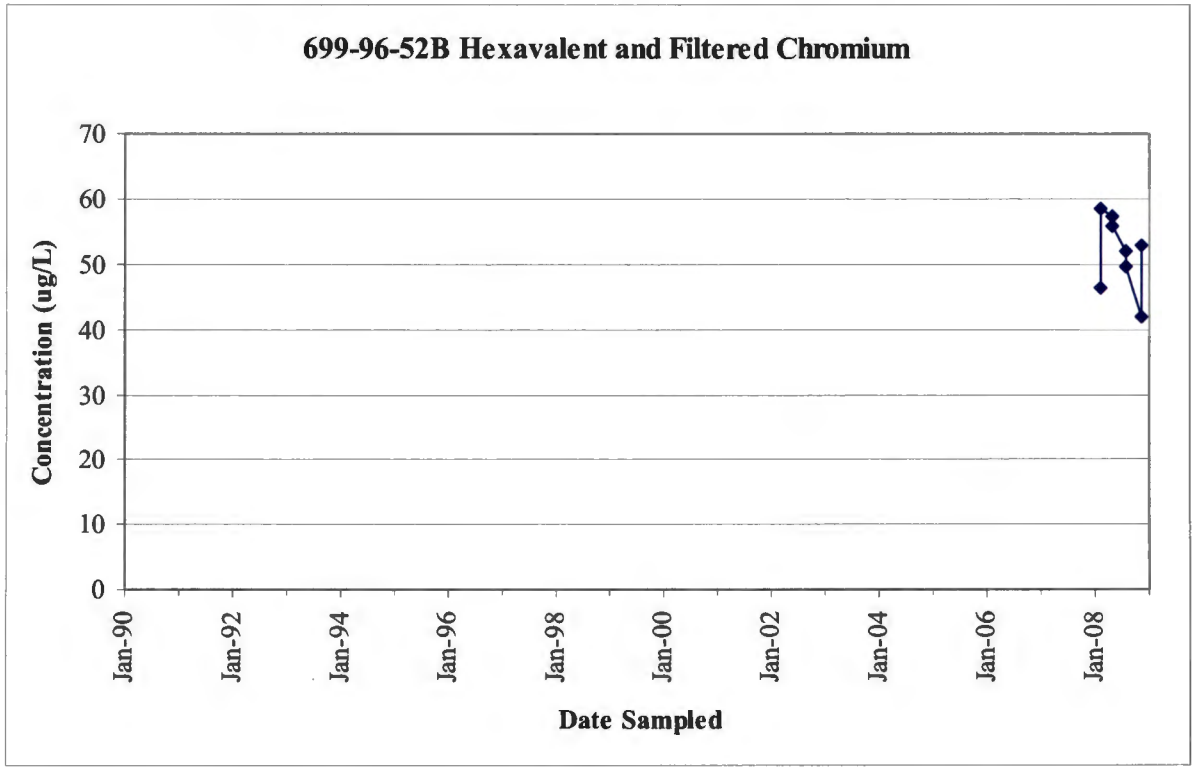

199-D8-73 Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

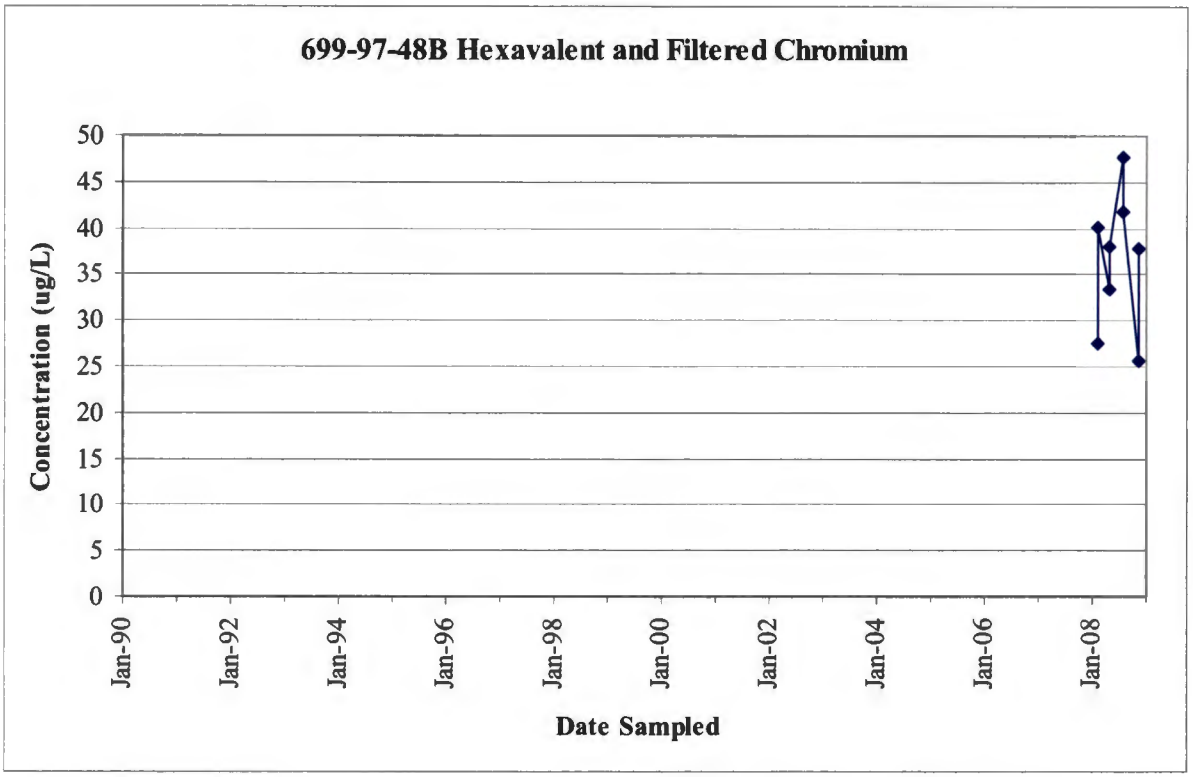

199-D8-88 Hexavalent and Filtered Chromium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

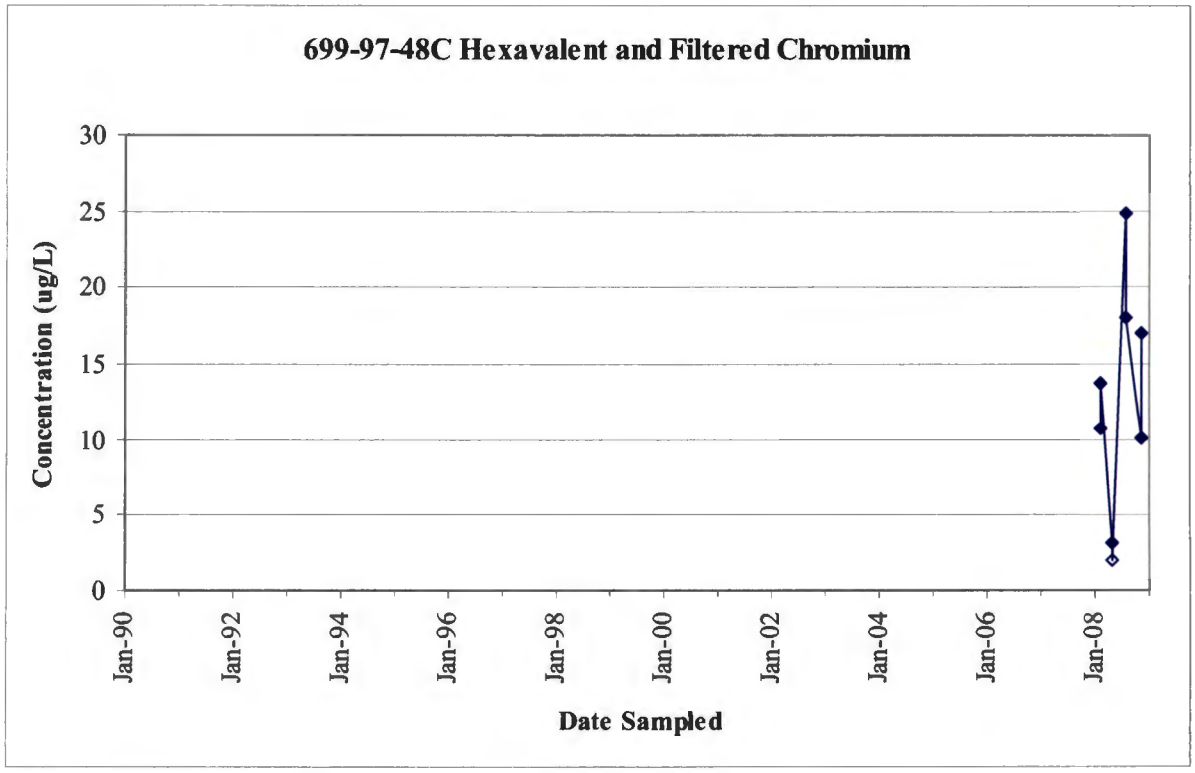

699-93-48A Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

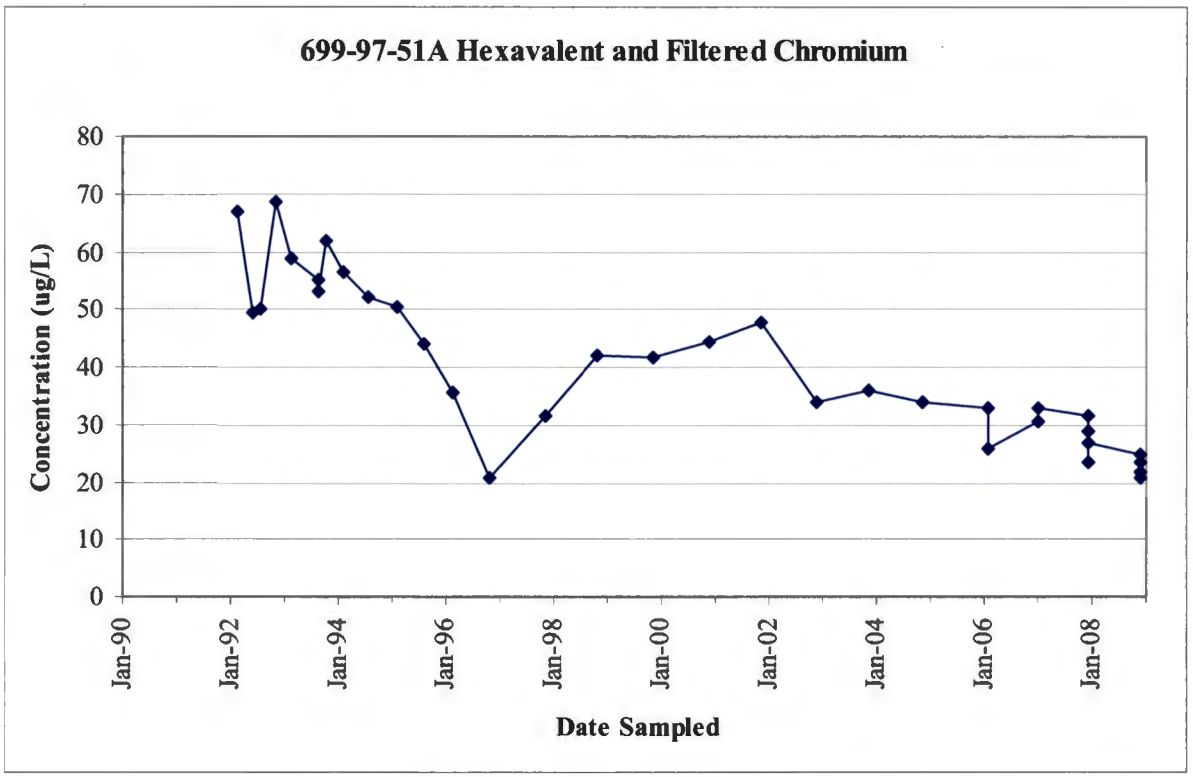

699-95-48 Hexavalent and Filtered Chromium
Concentration (ug/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

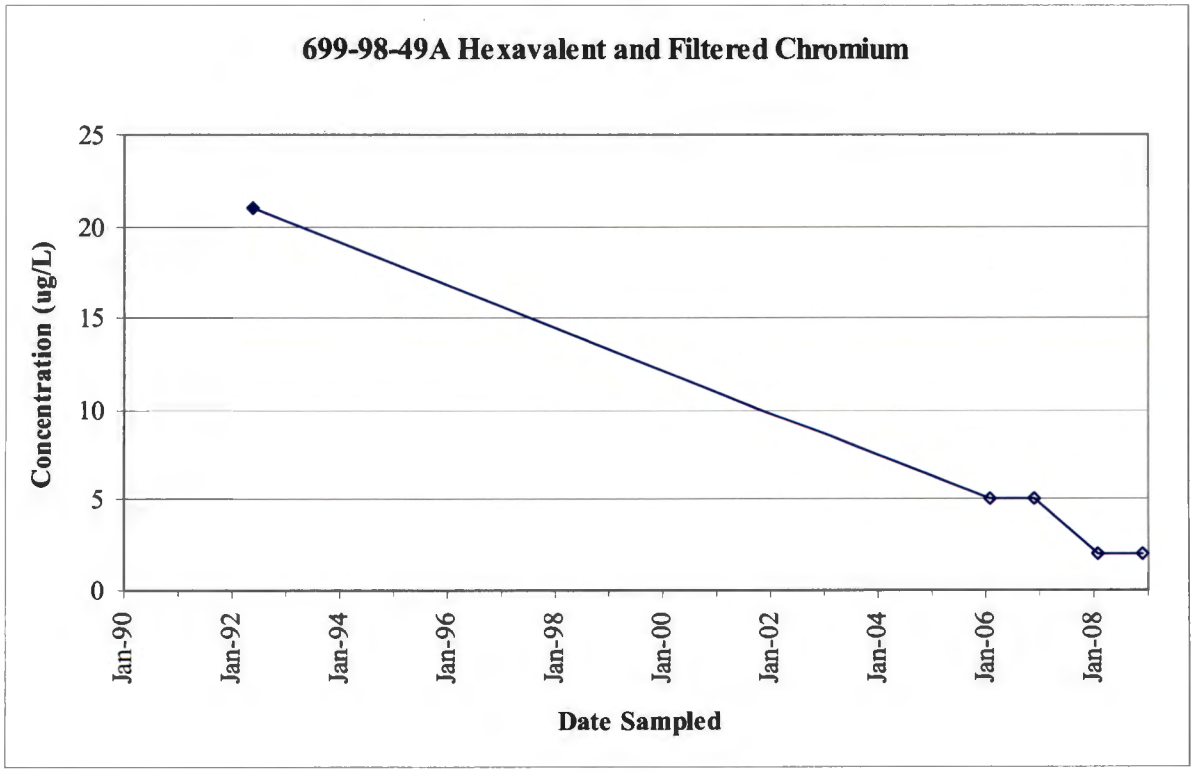

699-95-51 Hexavalent and Filtered Chromium
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

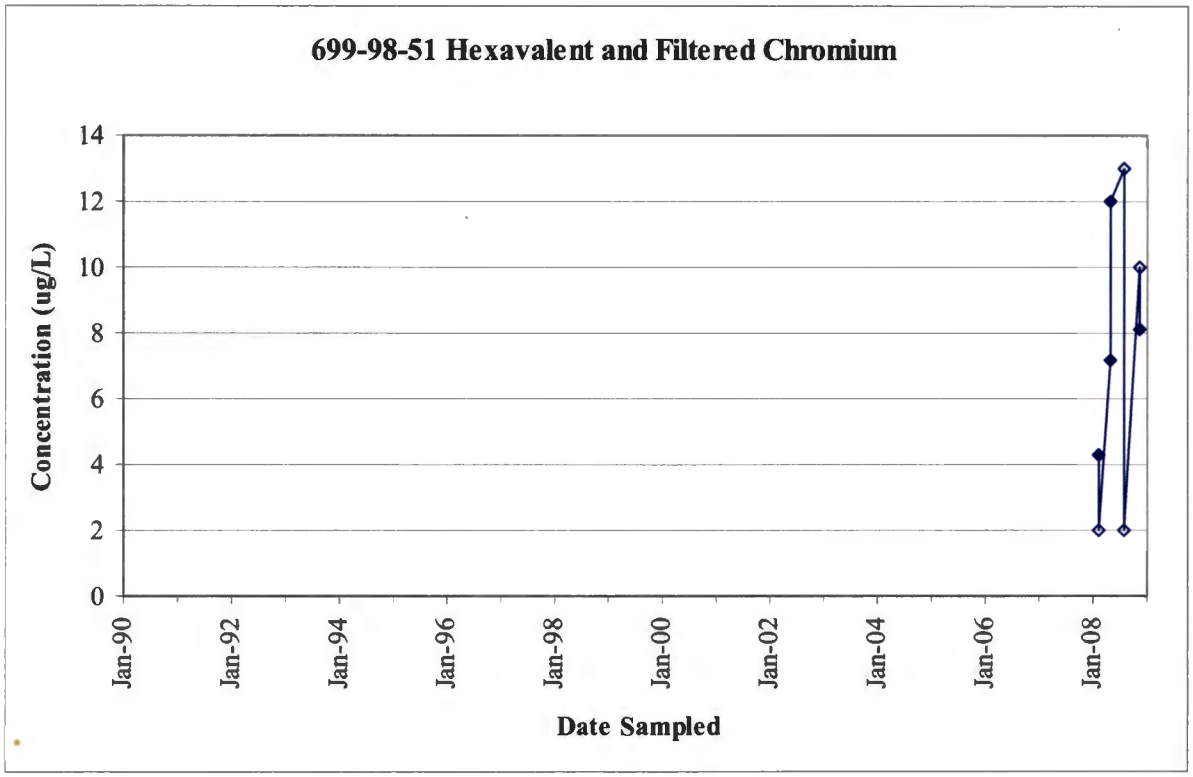

699-96-52B Hexavalent and Filtered Chromium
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

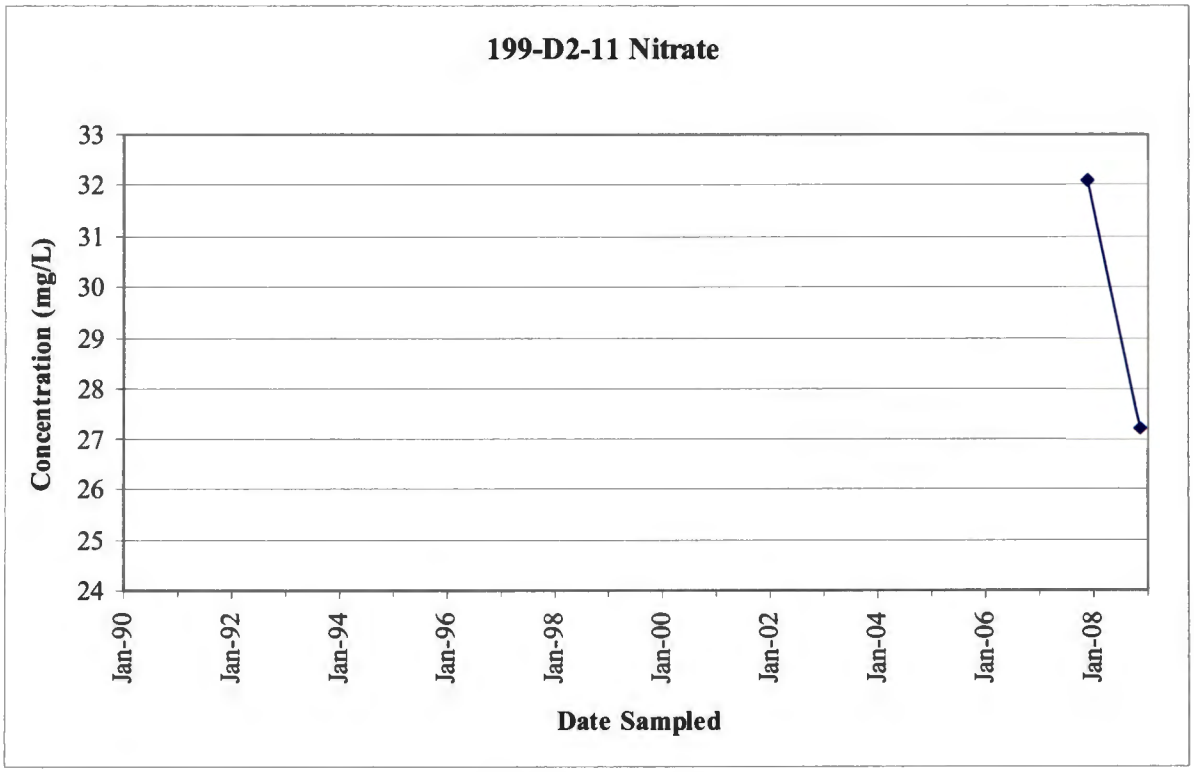

699-97-48B Hexavalent and Filtered Chromium
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

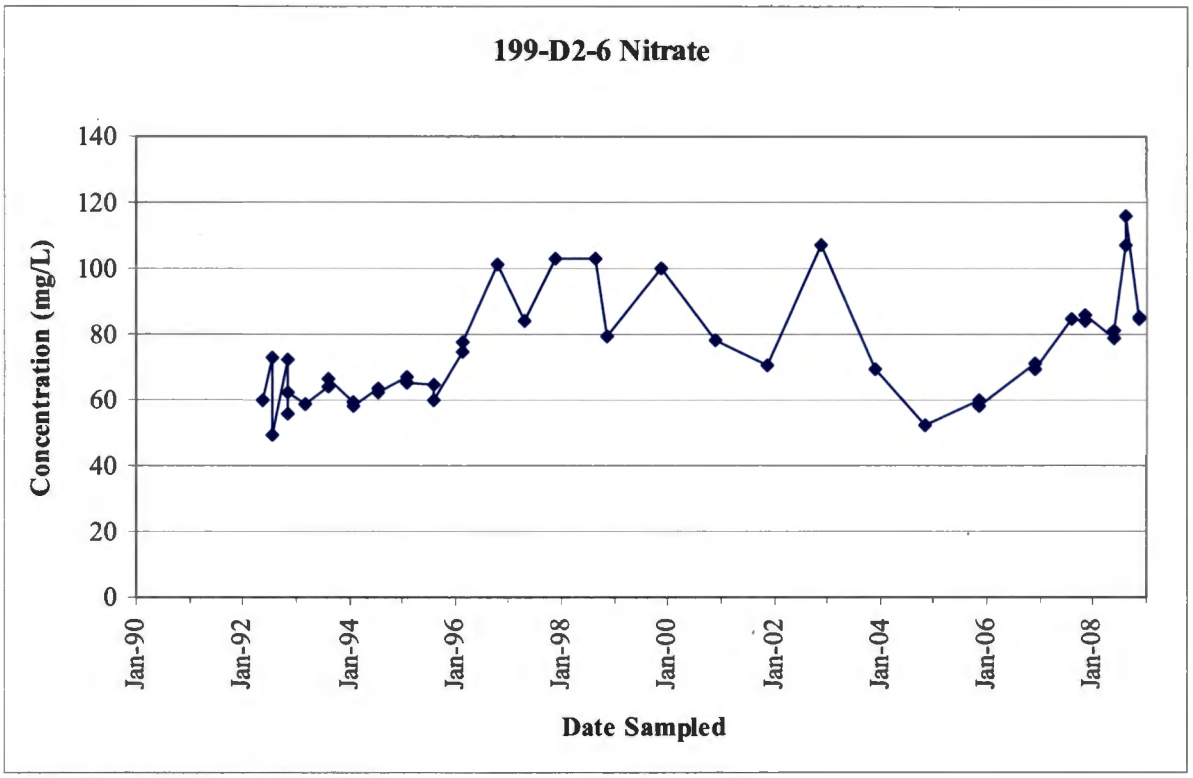

699-97-48C Hexavalent and Filtered Chromium
Concentration (ug/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

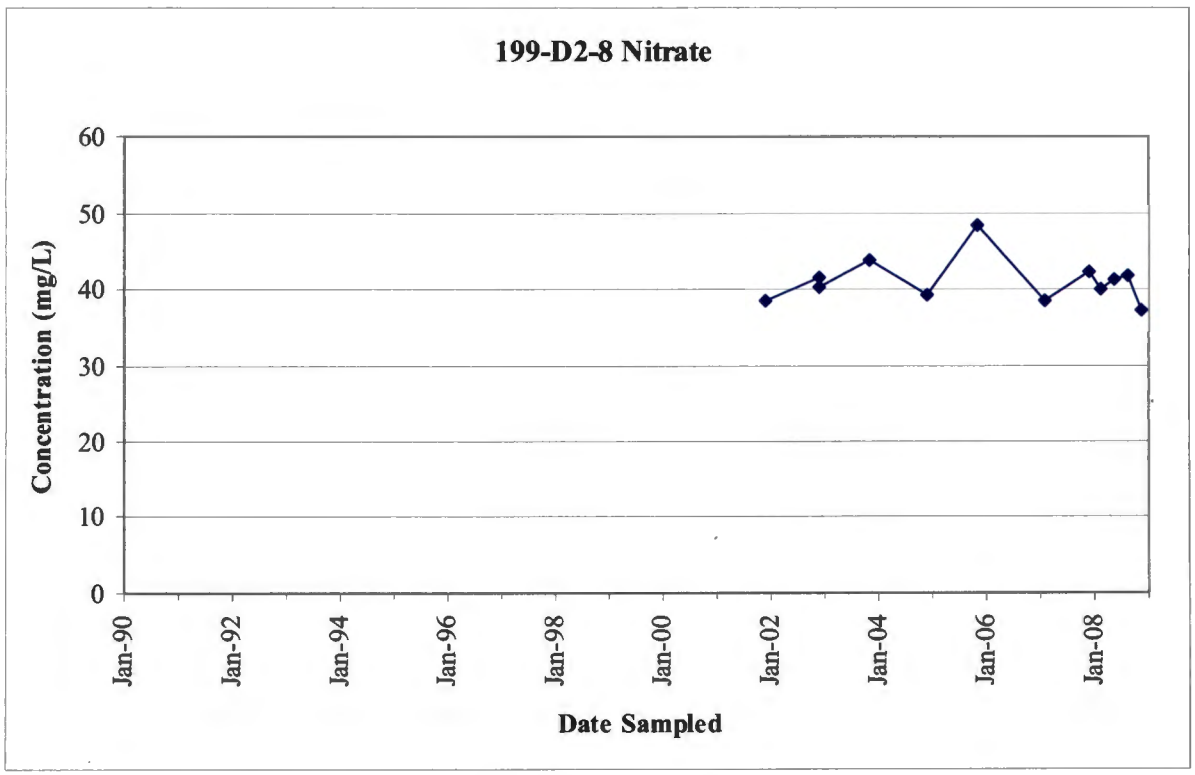

699-97-51A Hexavalent and Filtered Chromium
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

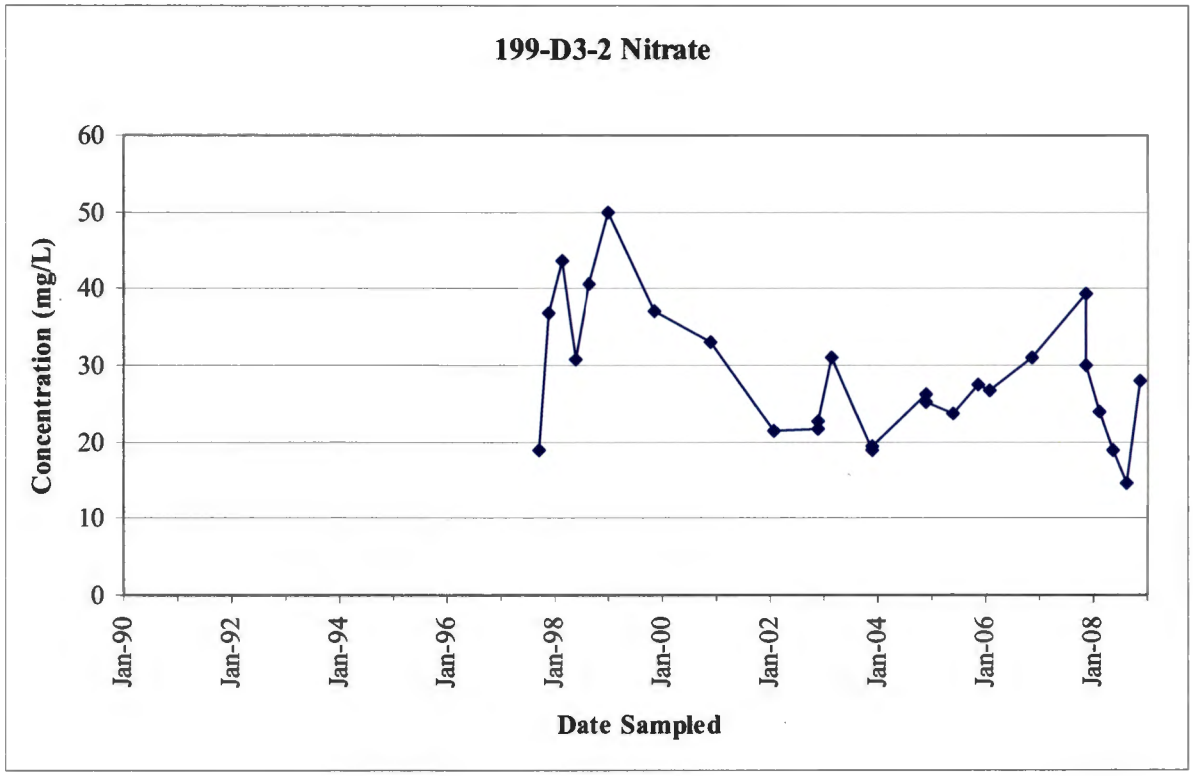

699-98-49A Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

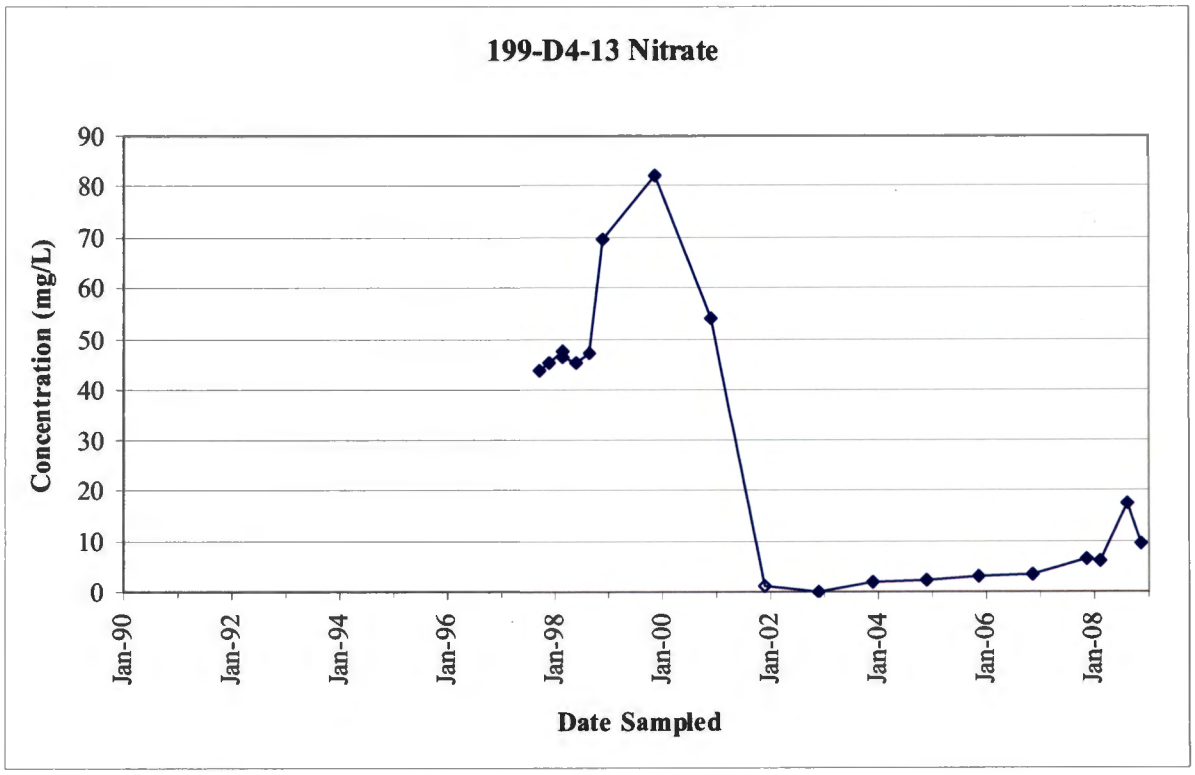

699-98-51 Hexavalent and Filtered Chromium
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

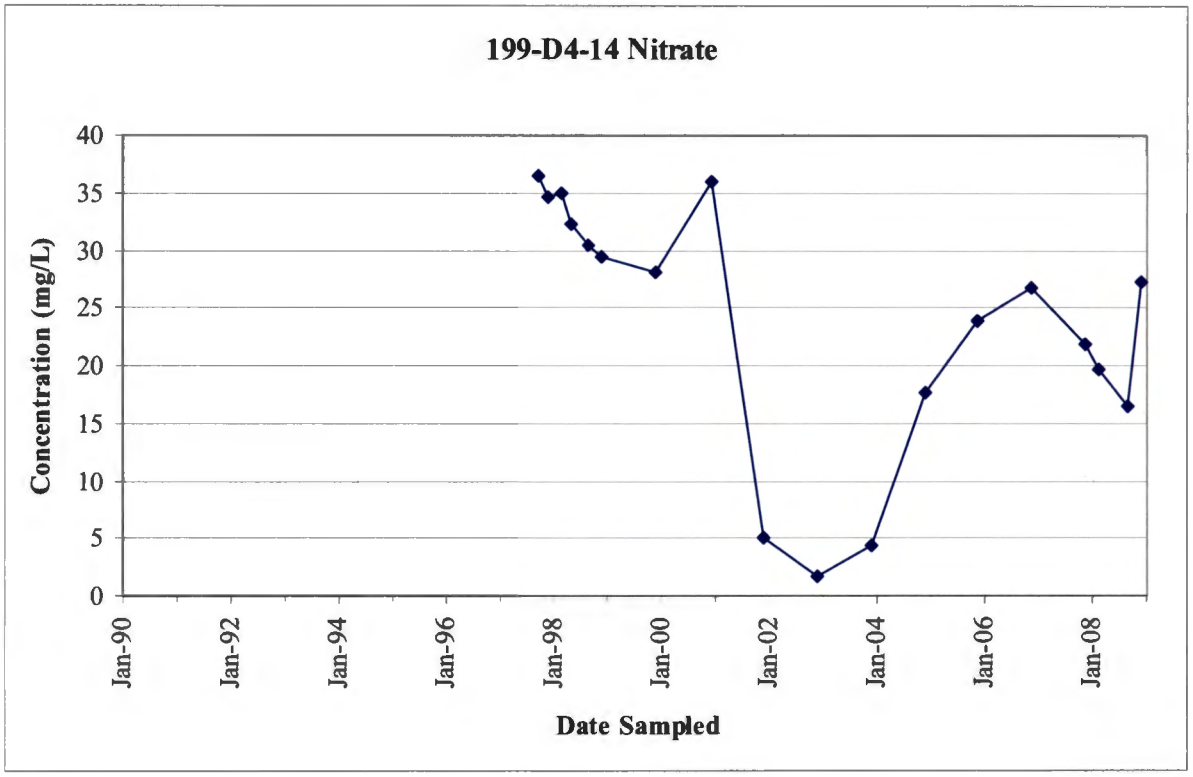

199-D2-11 Nitrate
Concentration (mg/L)
33
32
31
30
29
28
27
26
25
24
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

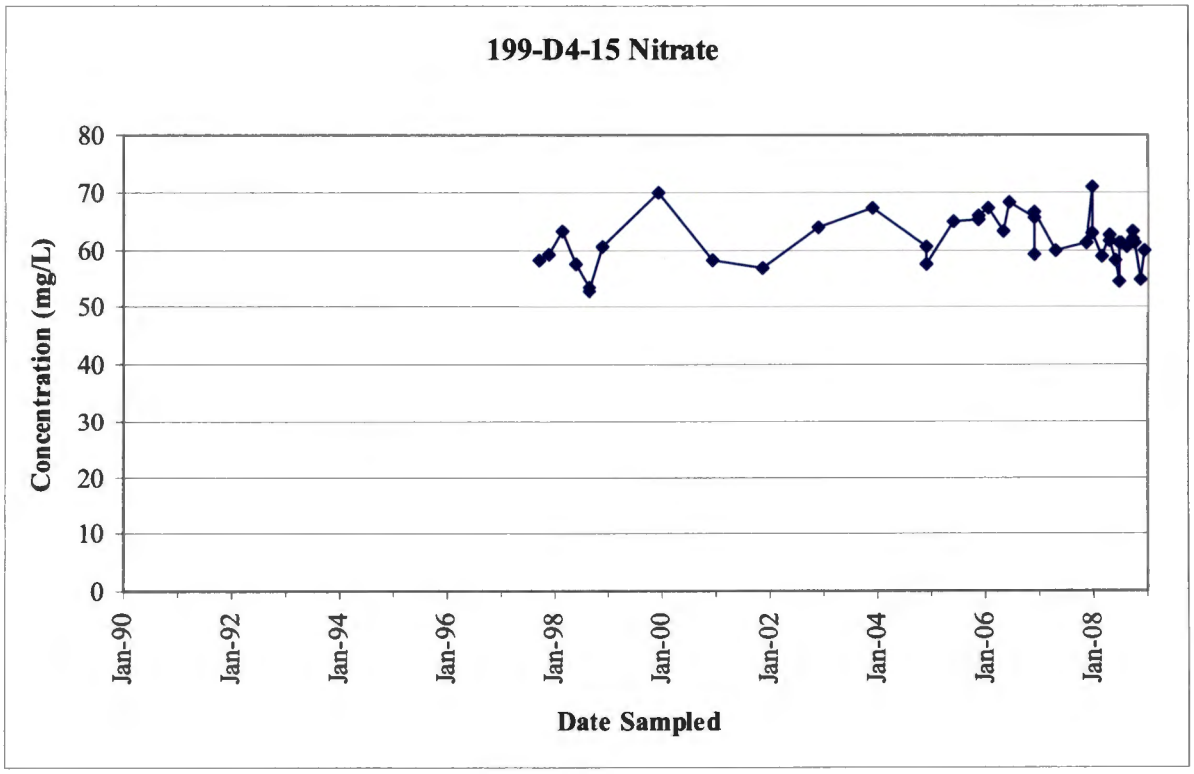

199-D2-6 Nitrate
Concentration (mg/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

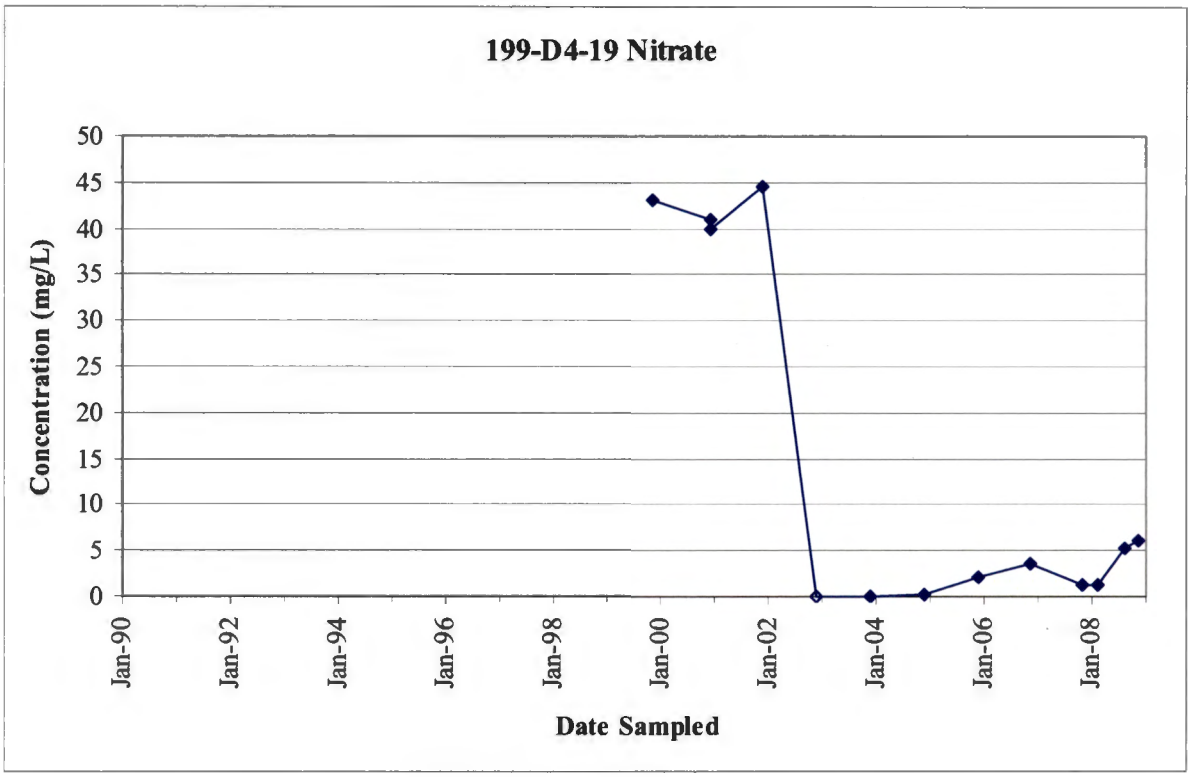

199-D2-8 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

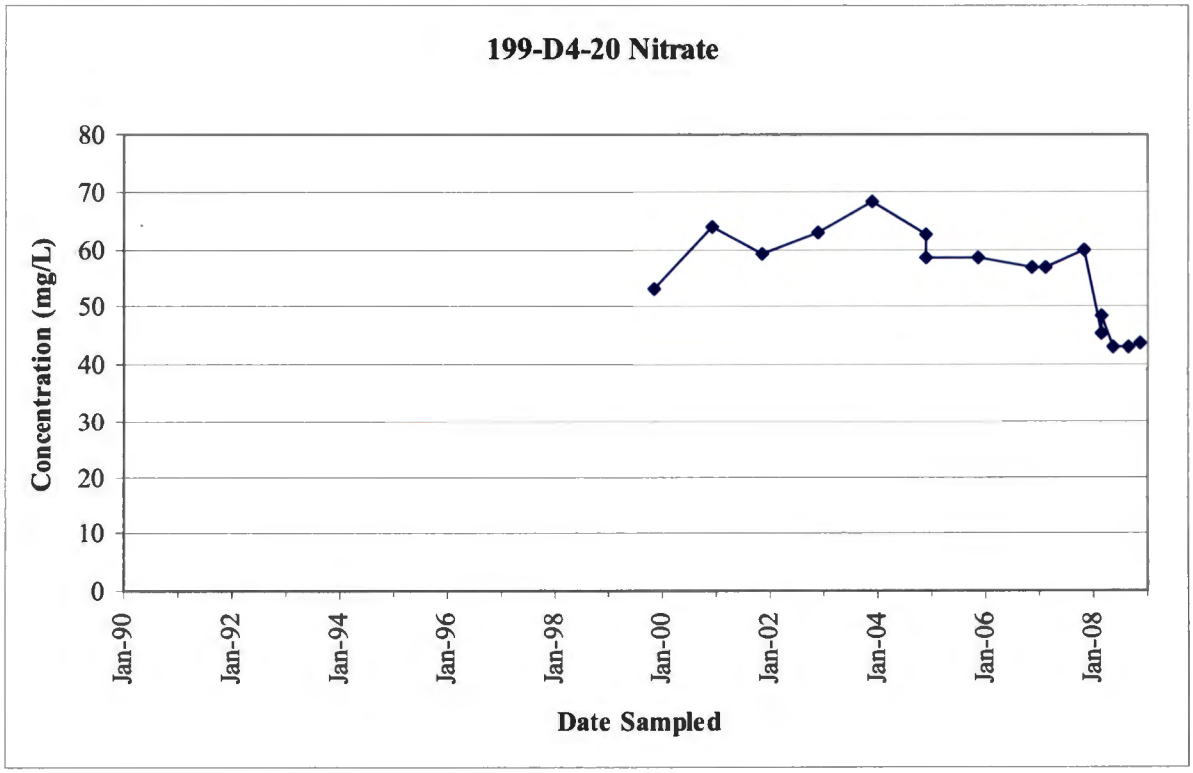

199-D3-2 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

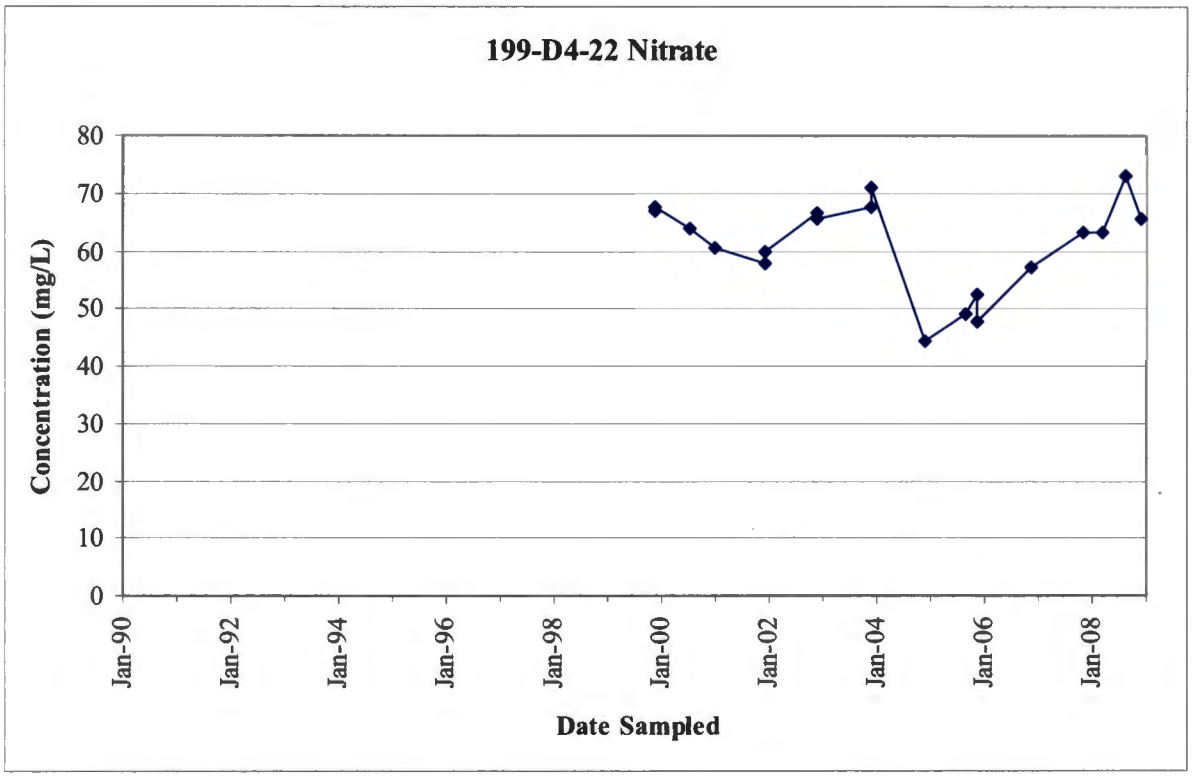

199-D4-13 Nitrate
Concentration (mg/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

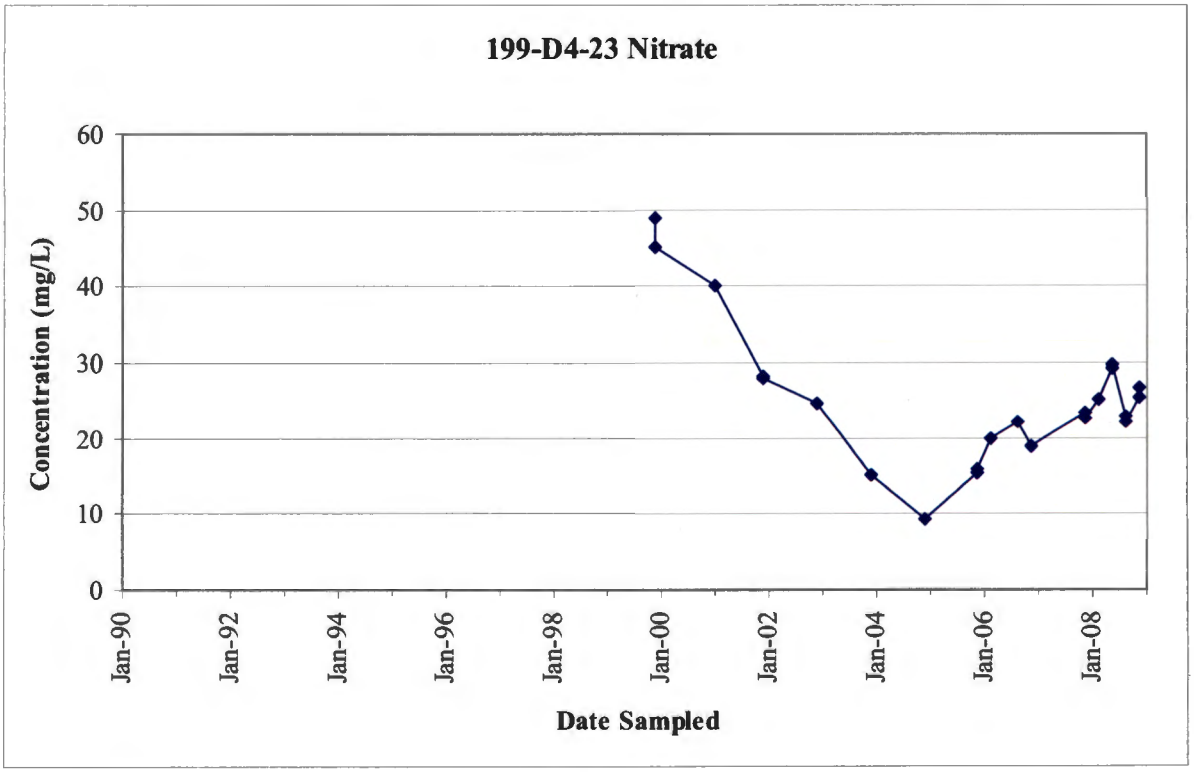

199-D4-14 Nitrate
Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

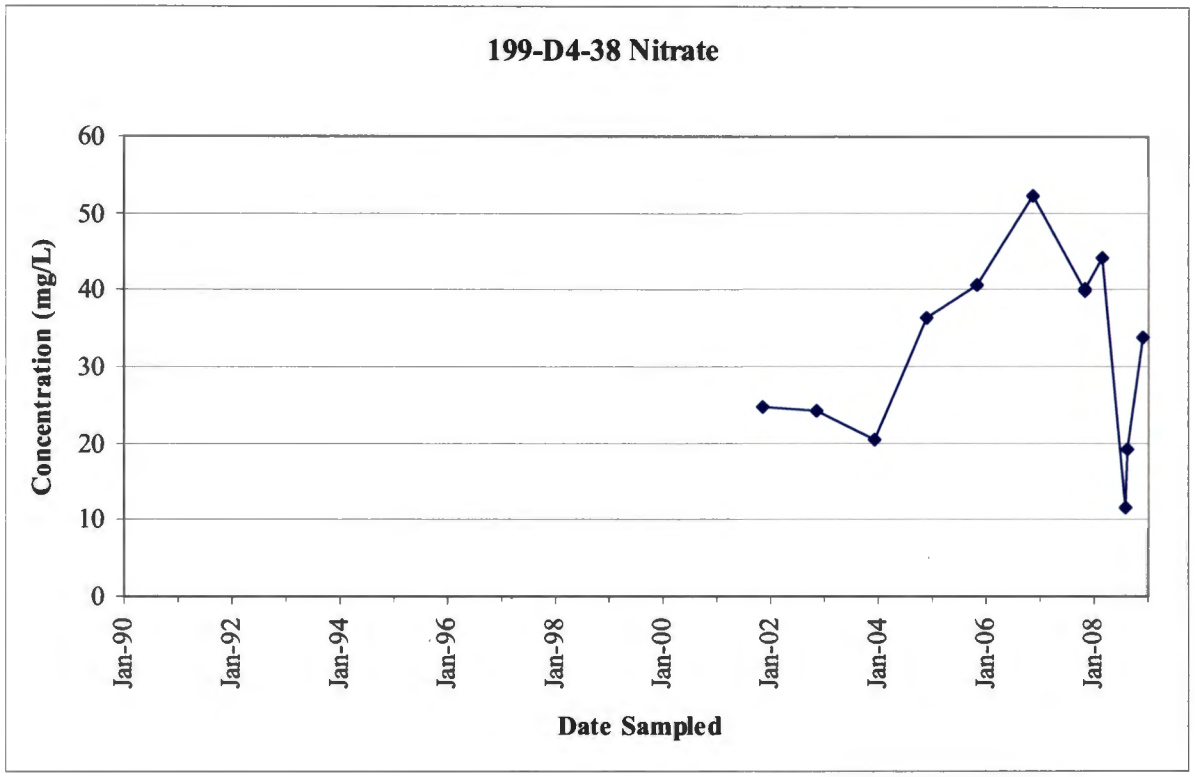

199-D4-15 Nitrate
Concentration (mg/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

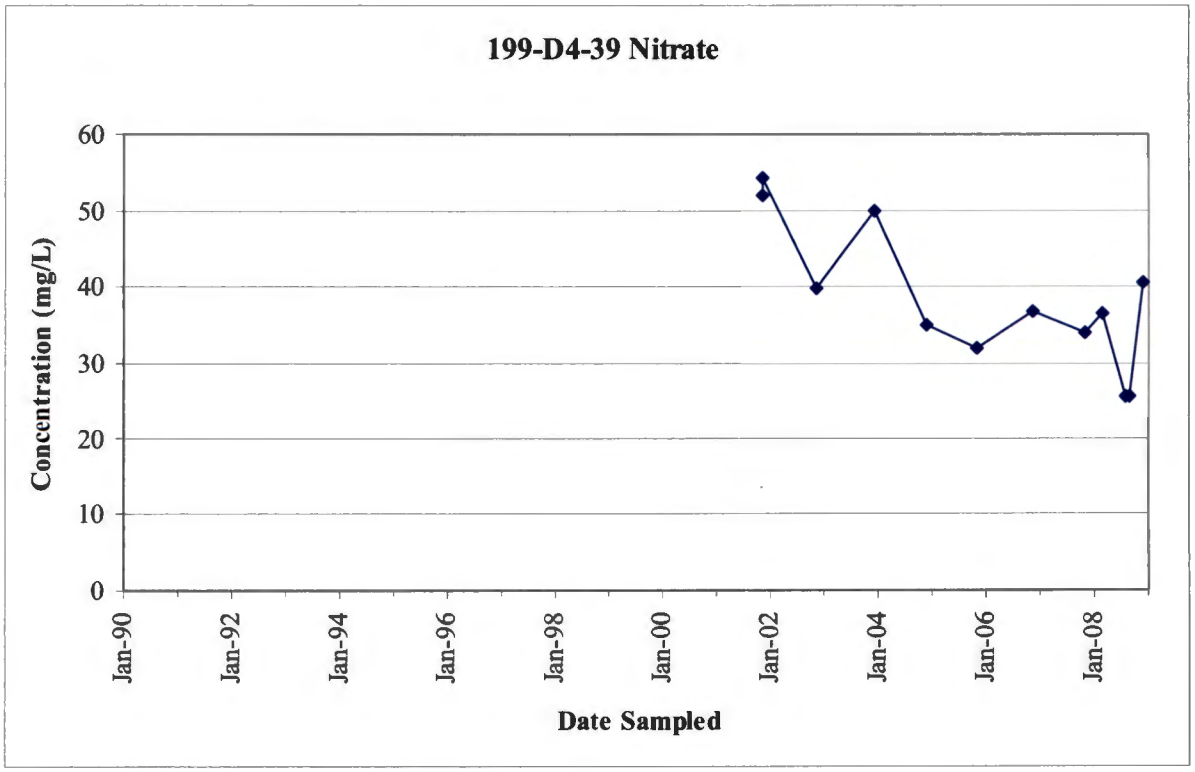

199-D4-19 Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

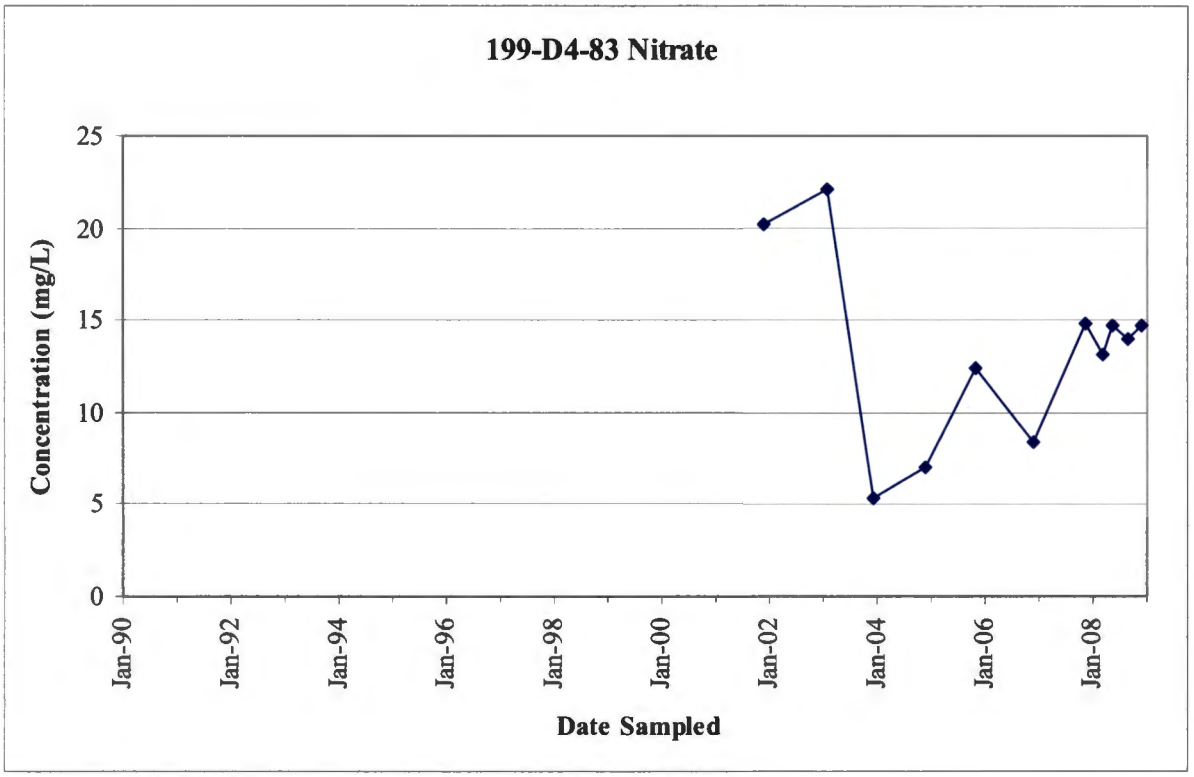

199-D4-20 Nitrate
Concentration (mg/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

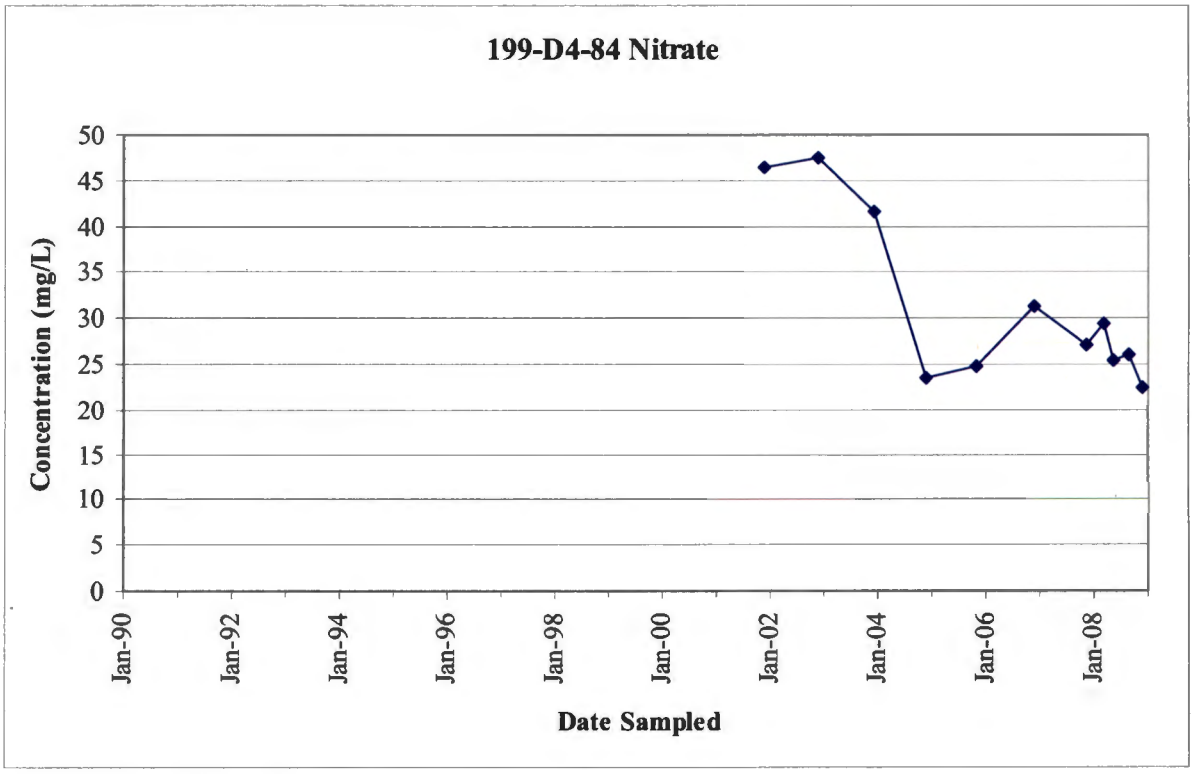

199-D4-22 Nitrate
Concentration (mg/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

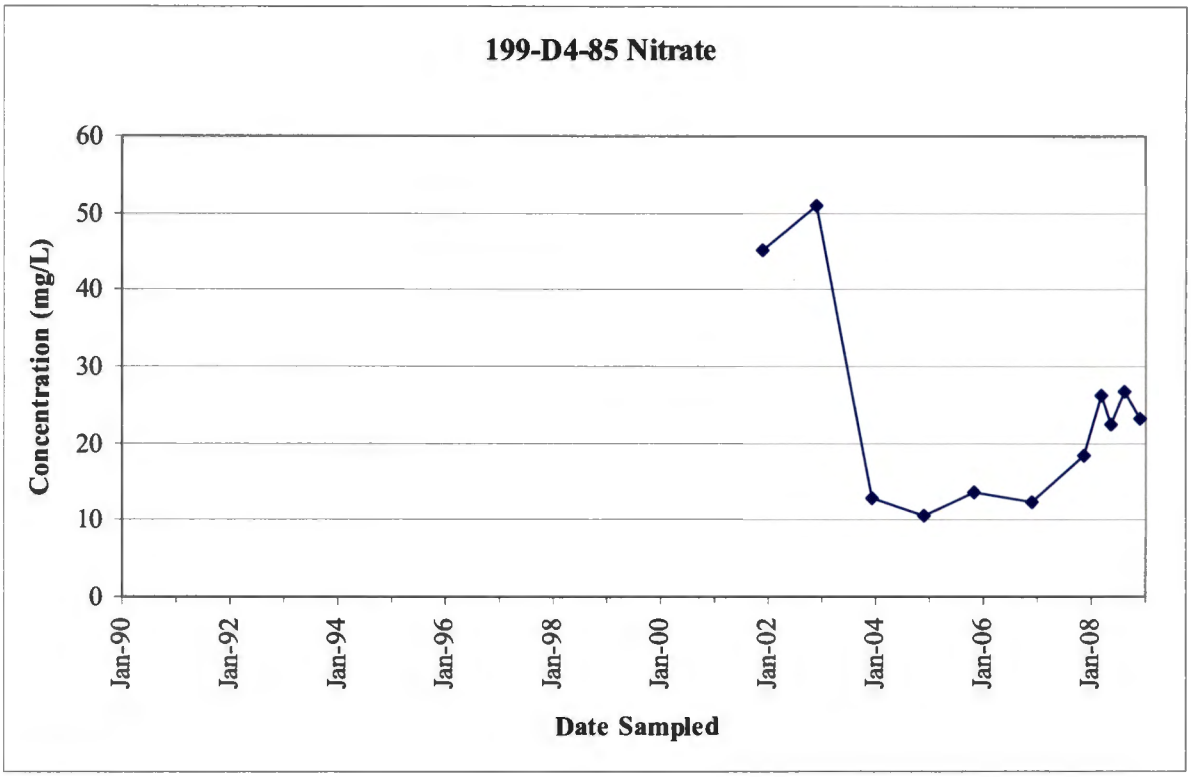

199-D4-23 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

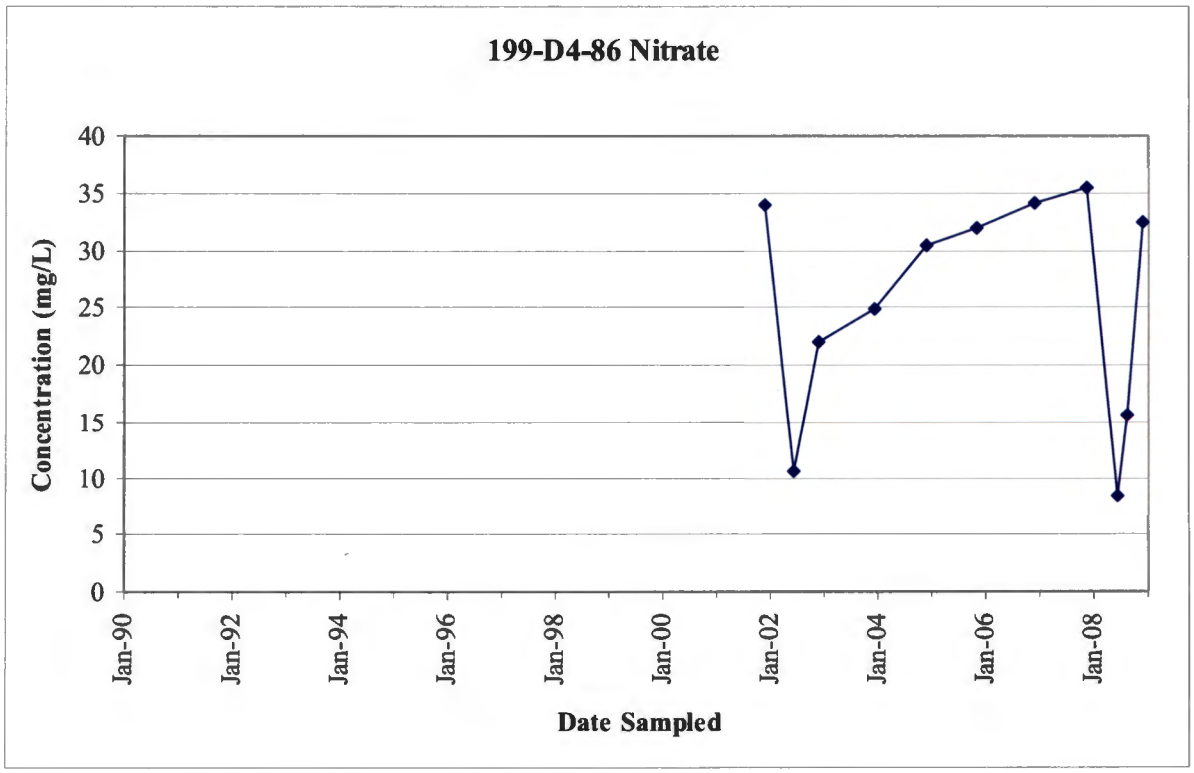

199-D4-38 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

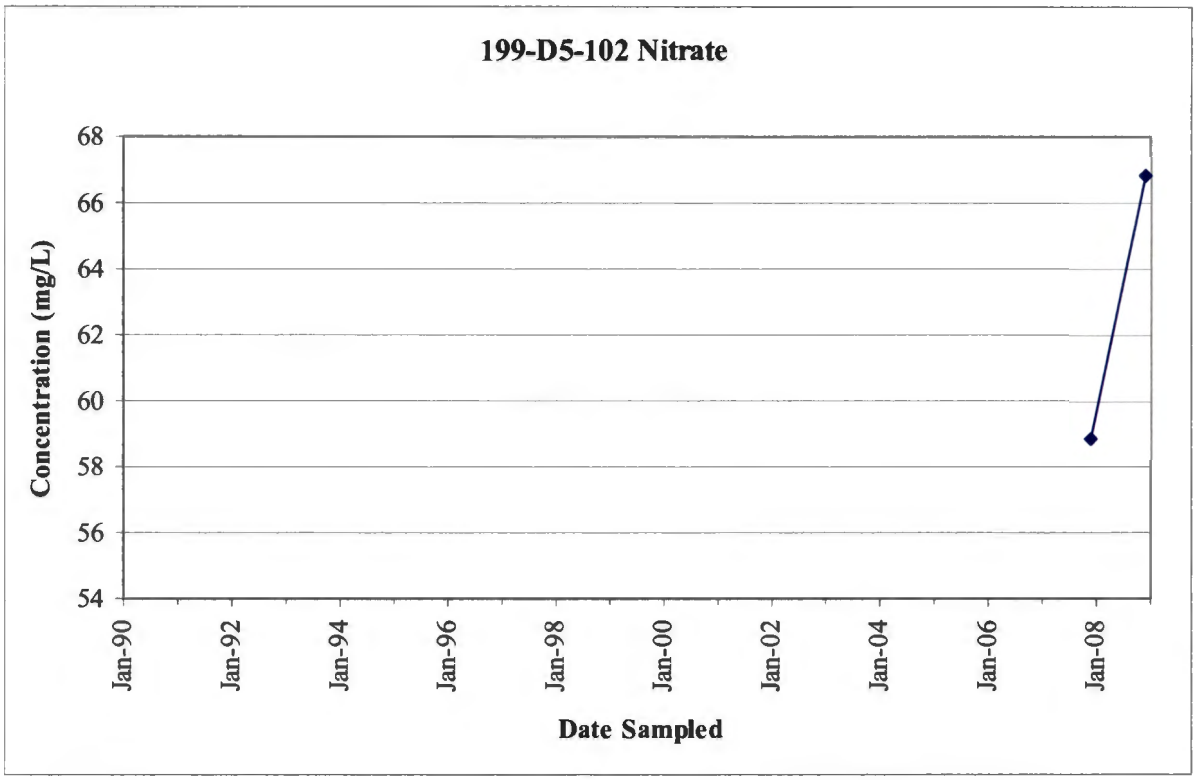

199-D4-39 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

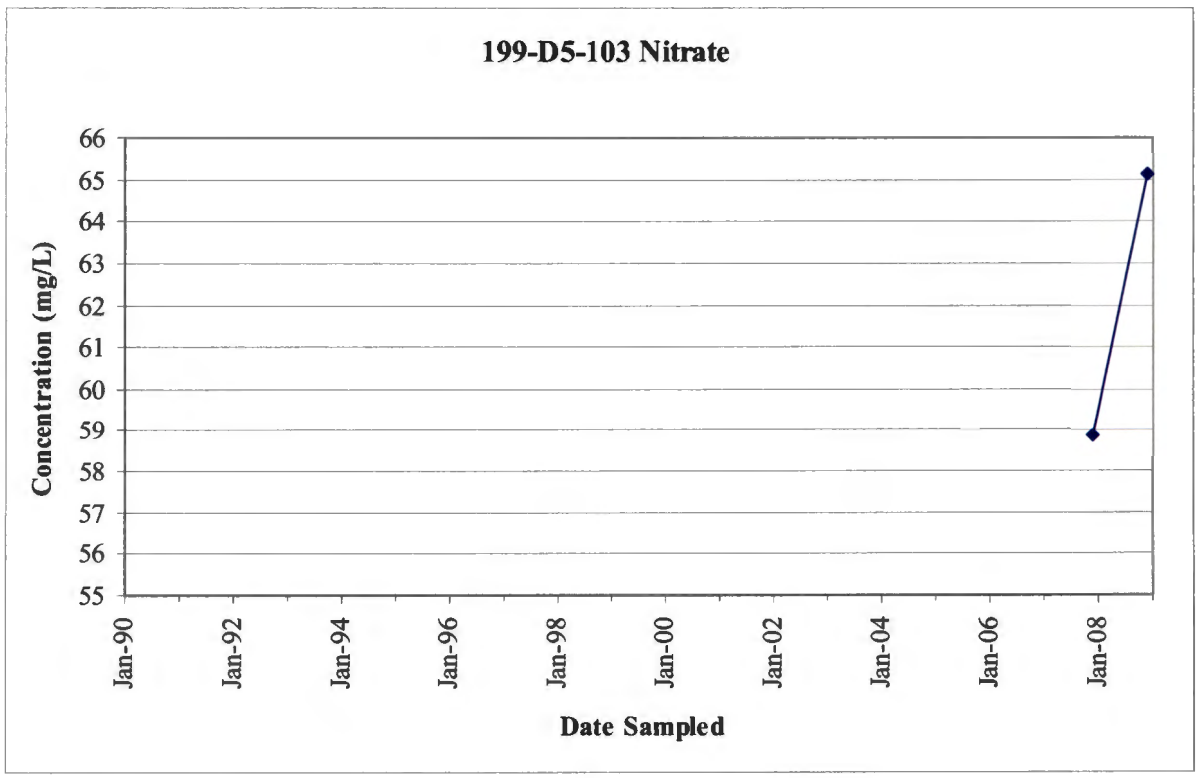

199-D4-83 Nitrate
Concentration (mg/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

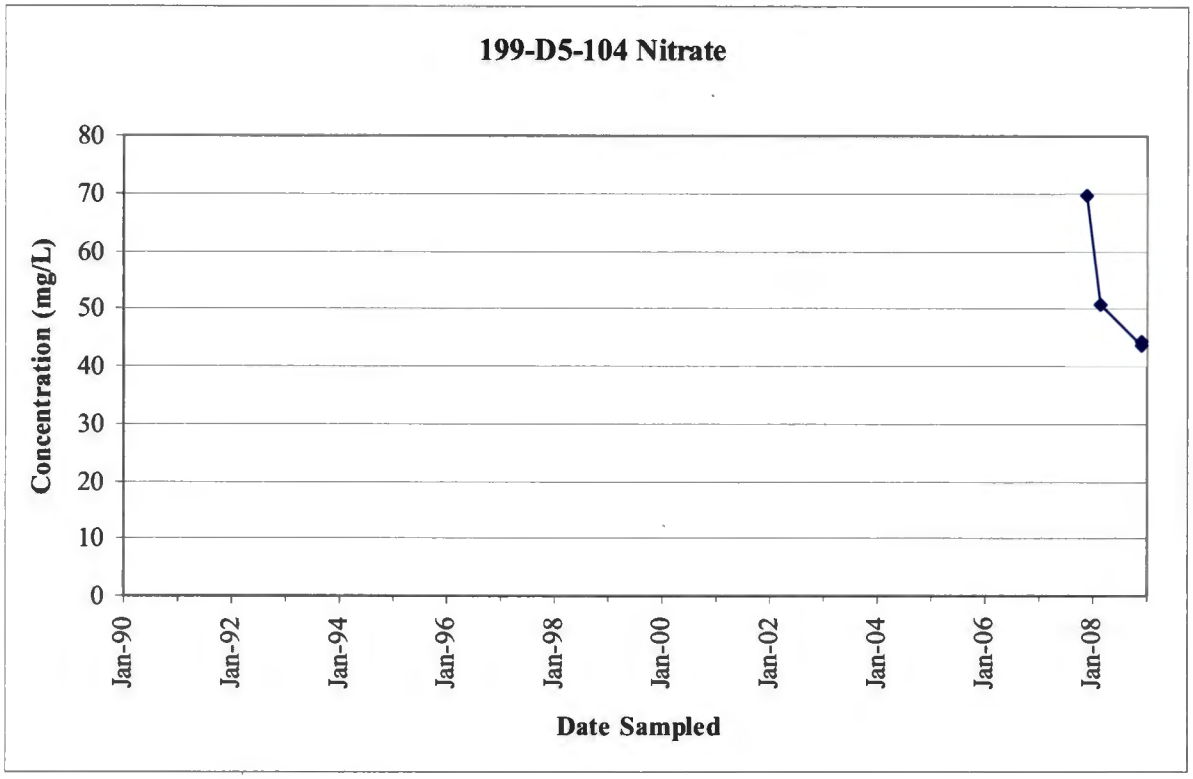

199-D4-84 Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

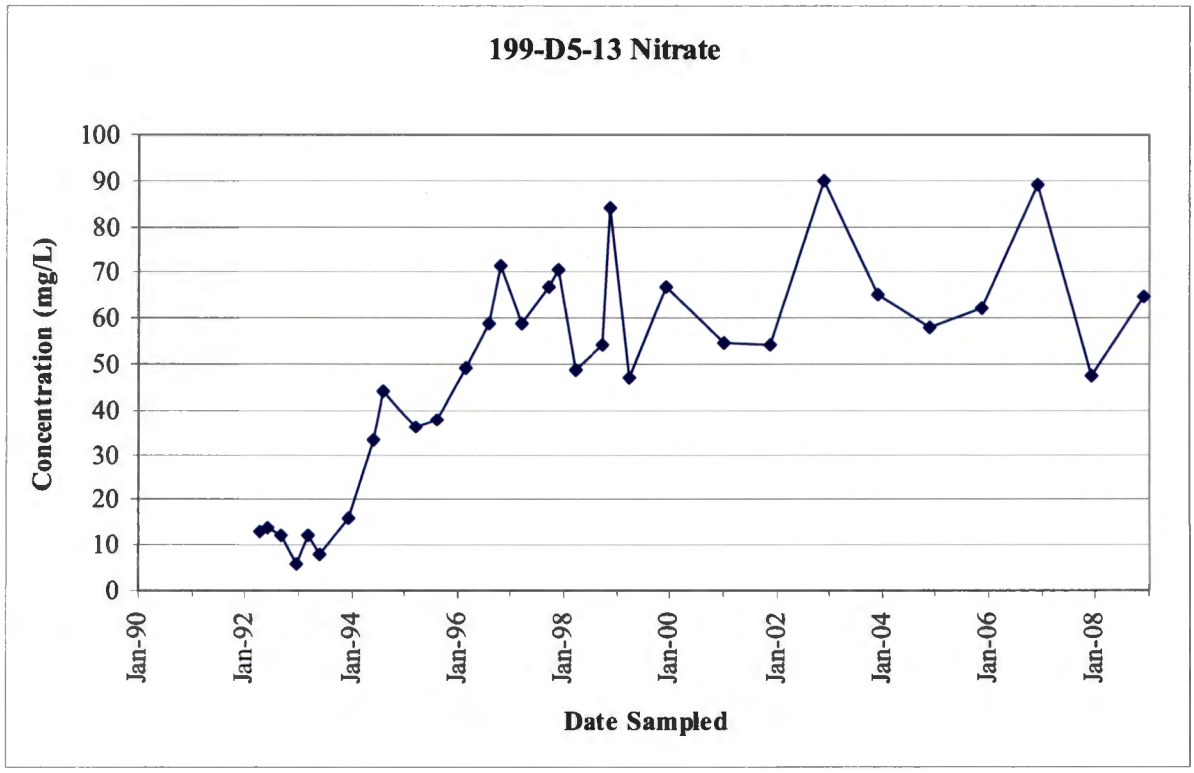

199-D4-85 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

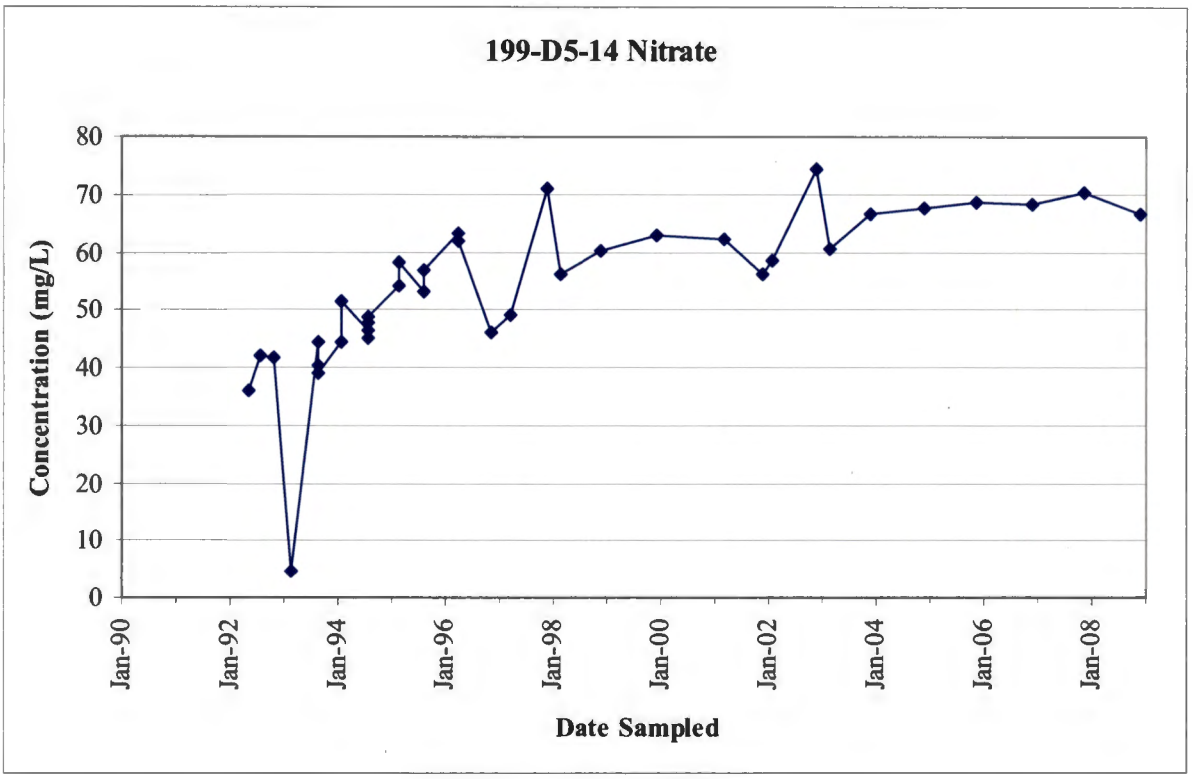

199-D4-86 Nitrate
Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

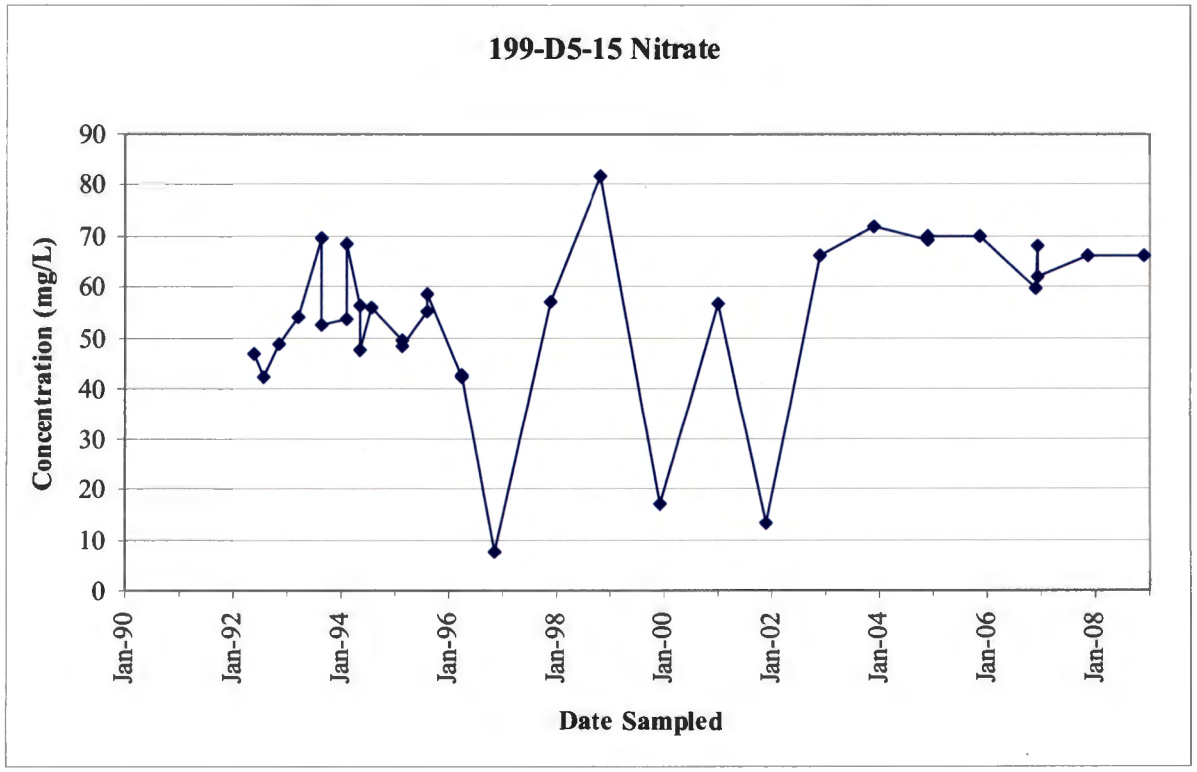

199-D5-102 Nitrate
Concentration (mg/L)
68
66
64
62
60
58
56
54
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

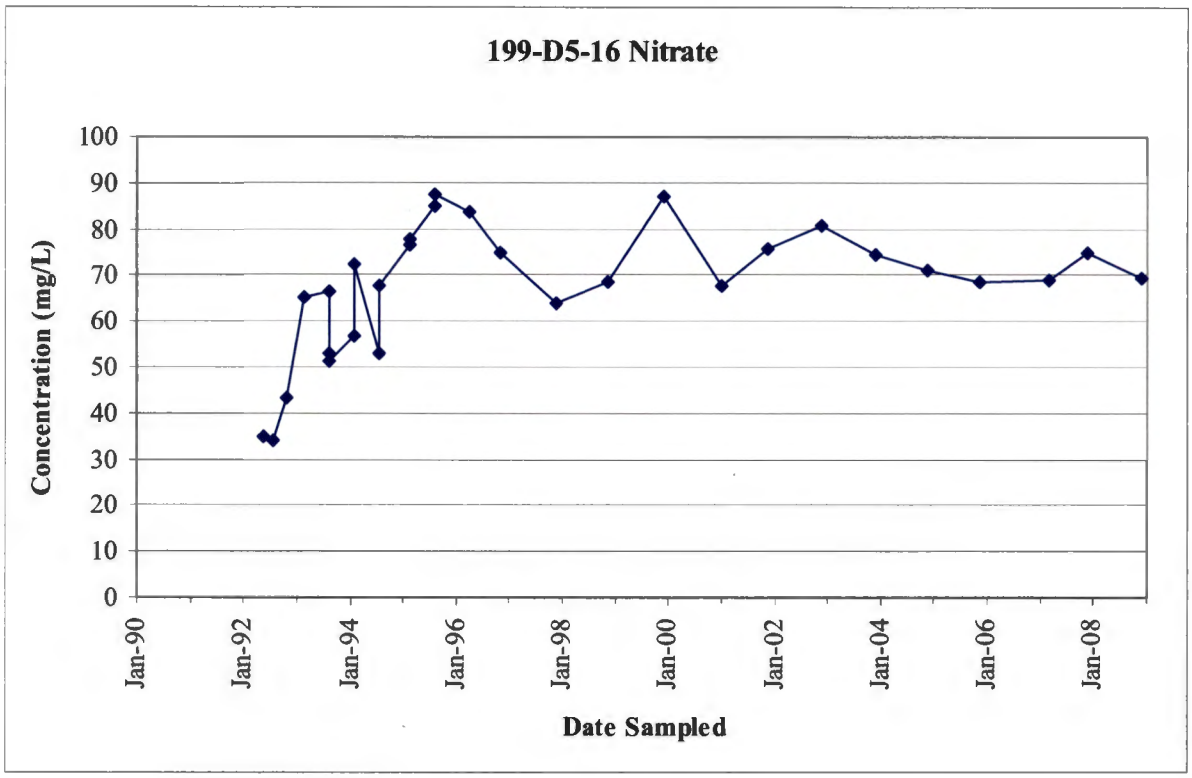

199-D5-103 Nitrate
Concentration (mg/L)
66
65
64
63
62
61
60
59
58
57
56
55
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

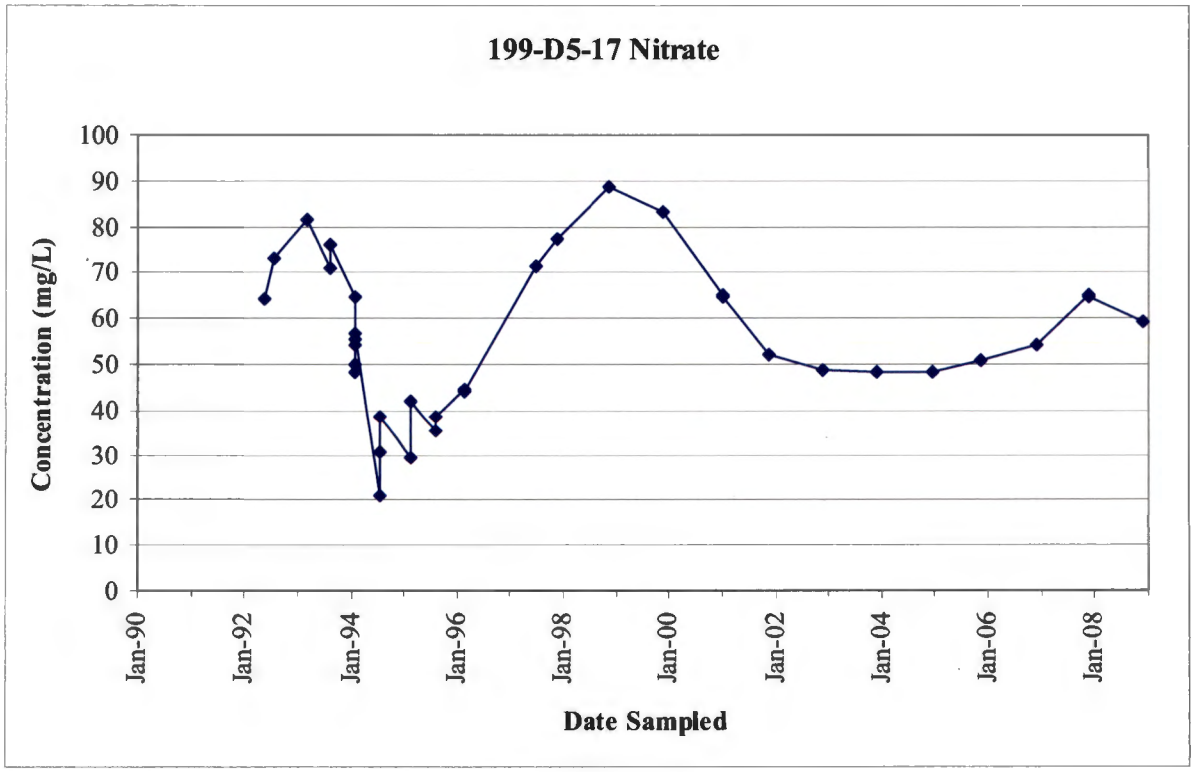

199-D5-104 Nitrate
Concentration (mg/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

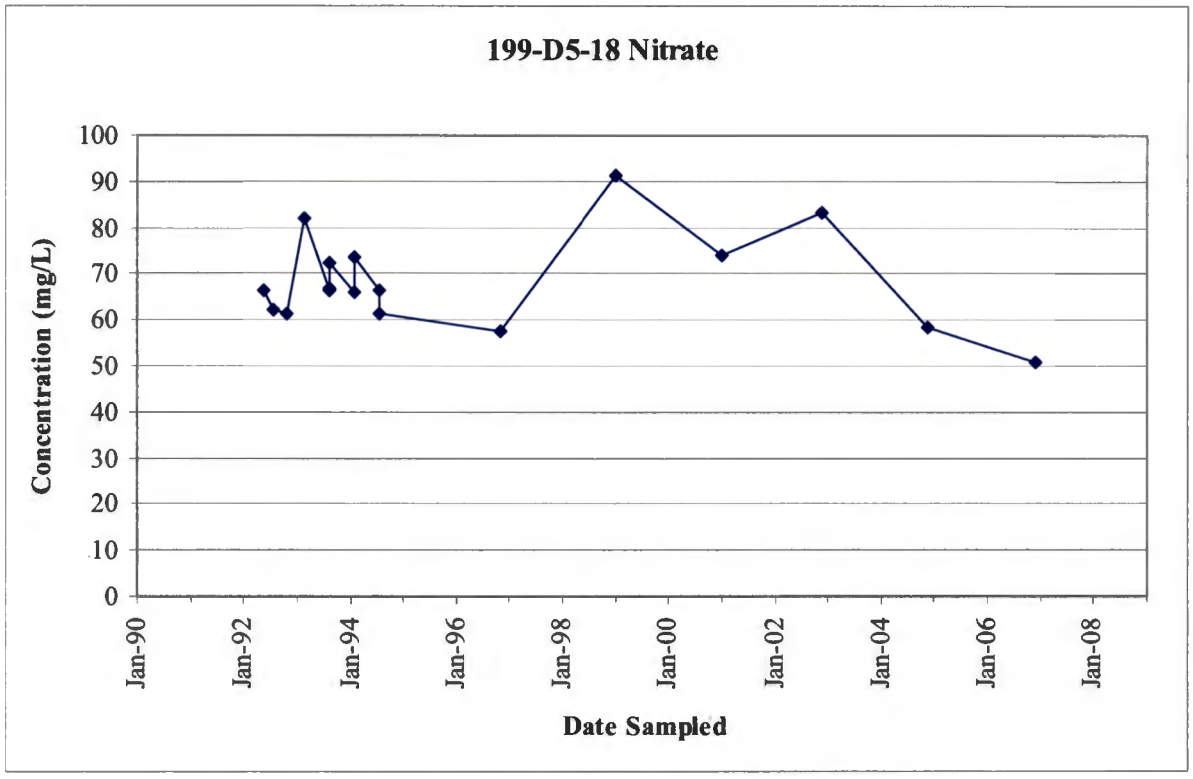

199-D5-13 Nitrate
Concentration (mg/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

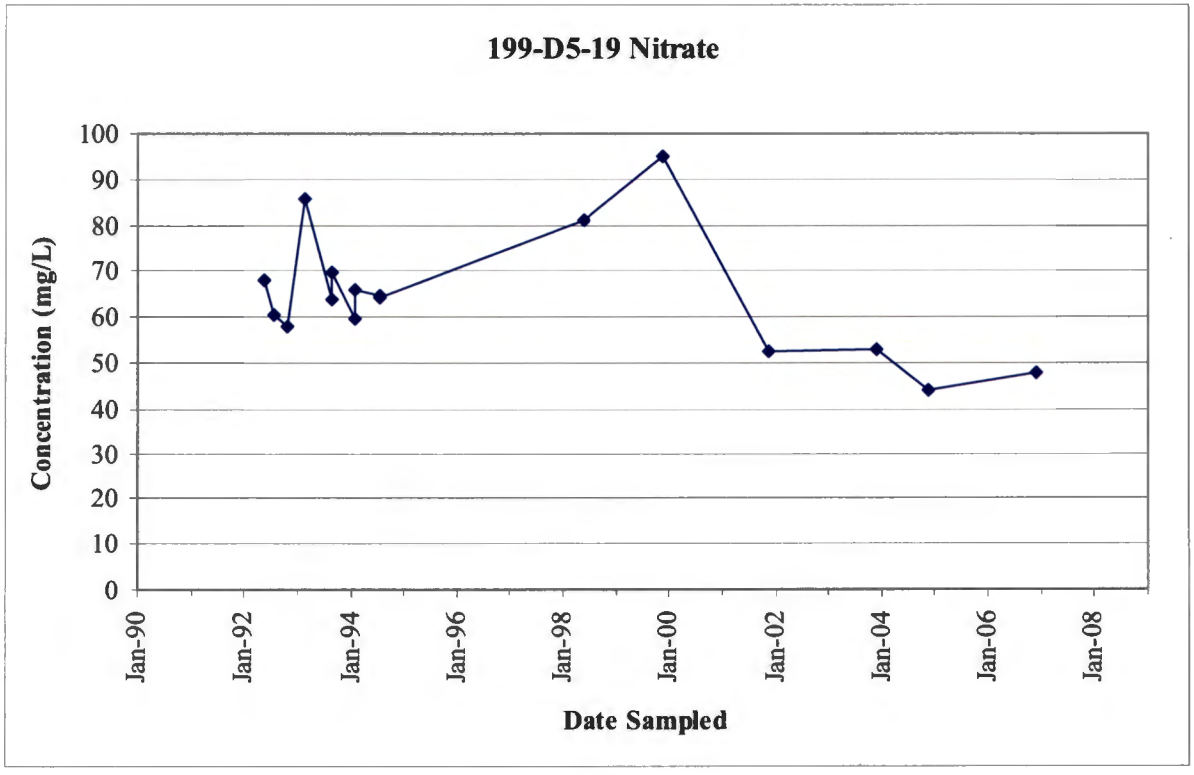

199-D5-14 Nitrate
Concentration (mg/L)
0
10
20
30
40
50
60
70
80
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

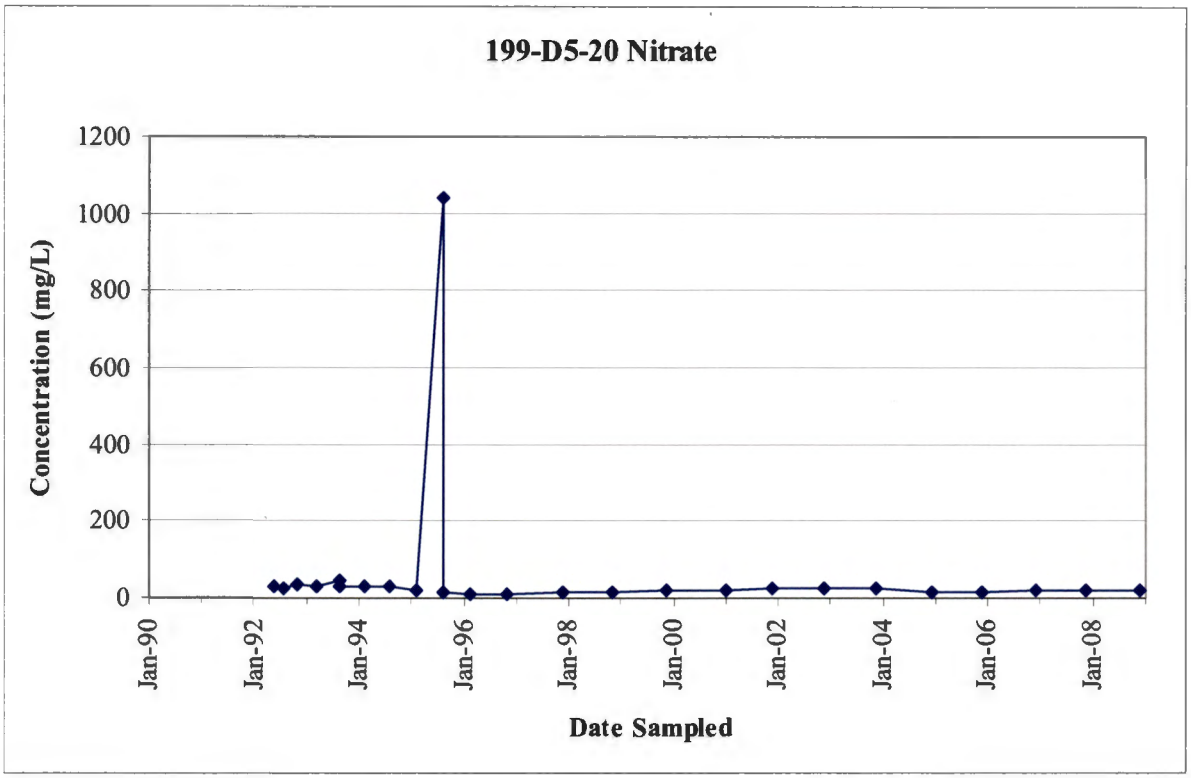

199-D5-15 Nitrate
Concentration (mg/L)
0
10
20
30
40
50
60
70
80
90
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

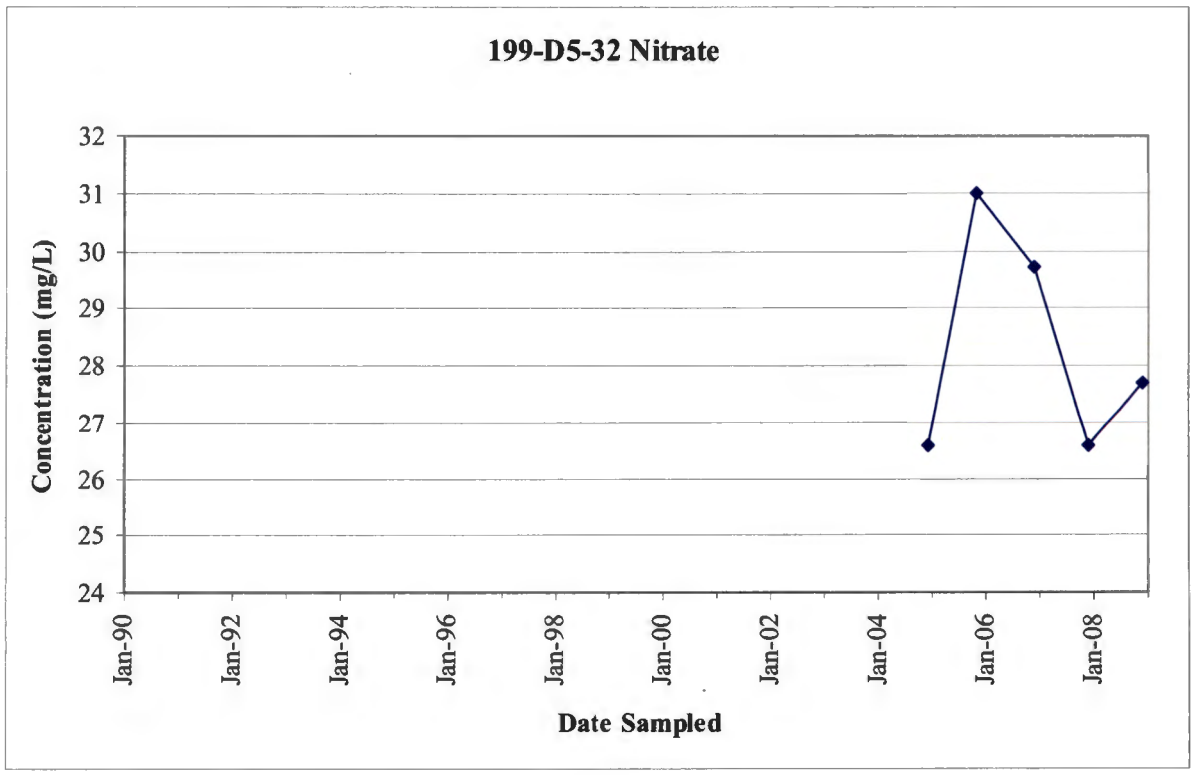

199-D5-16 Nitrate
Concentration (mg/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

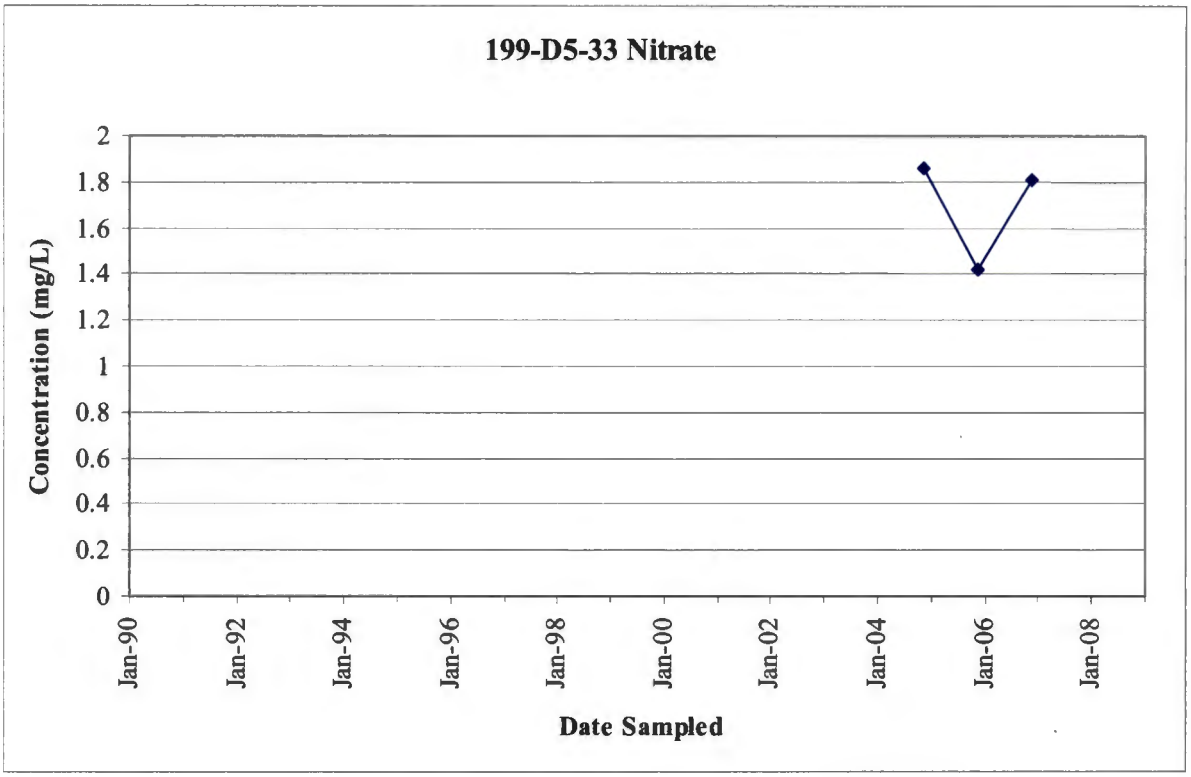

199-D5-17 Nitrate
Concentration (mg/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

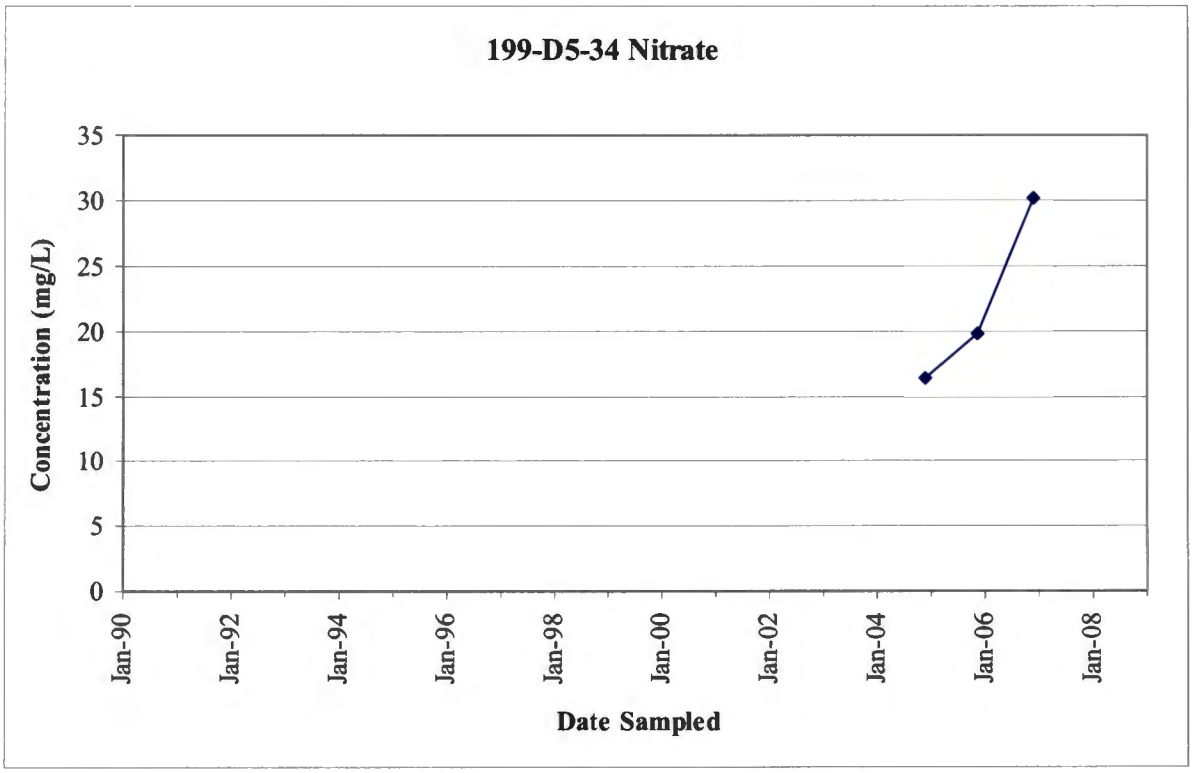

199-D5-18 Nitrate
Concentration (mg/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

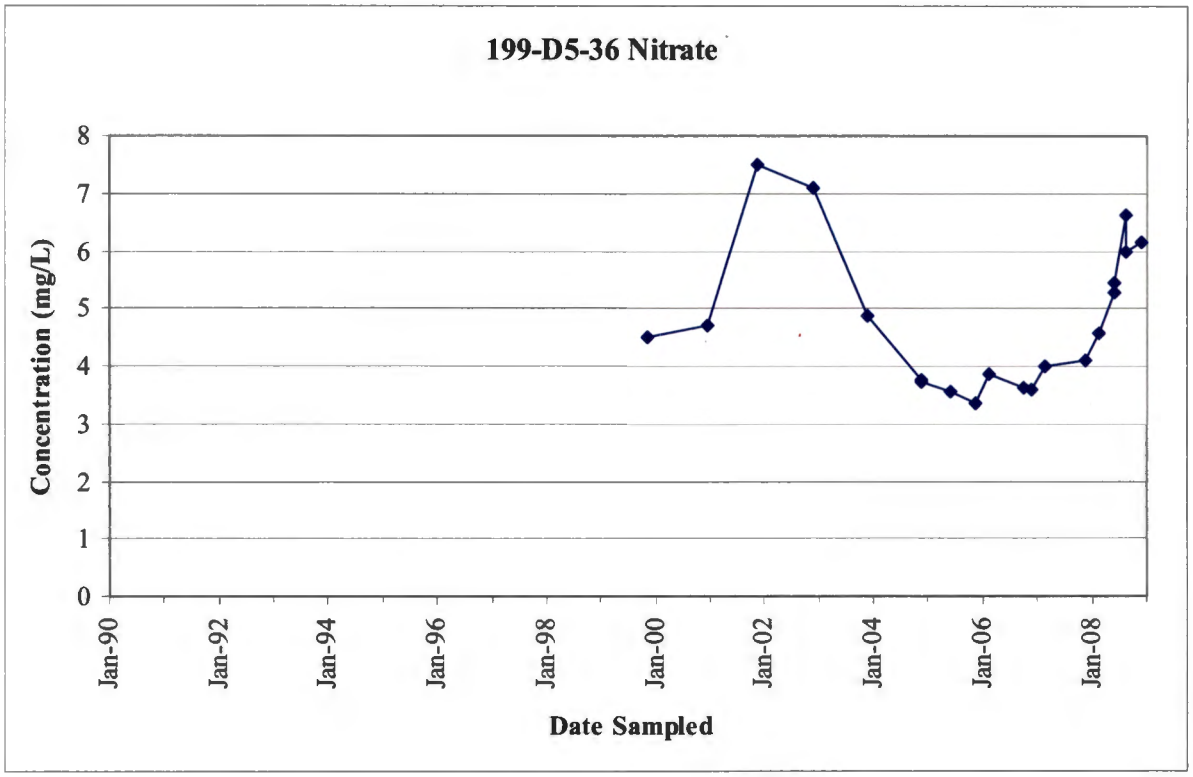

199-D5-19 Nitrate
Concentration (mg/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

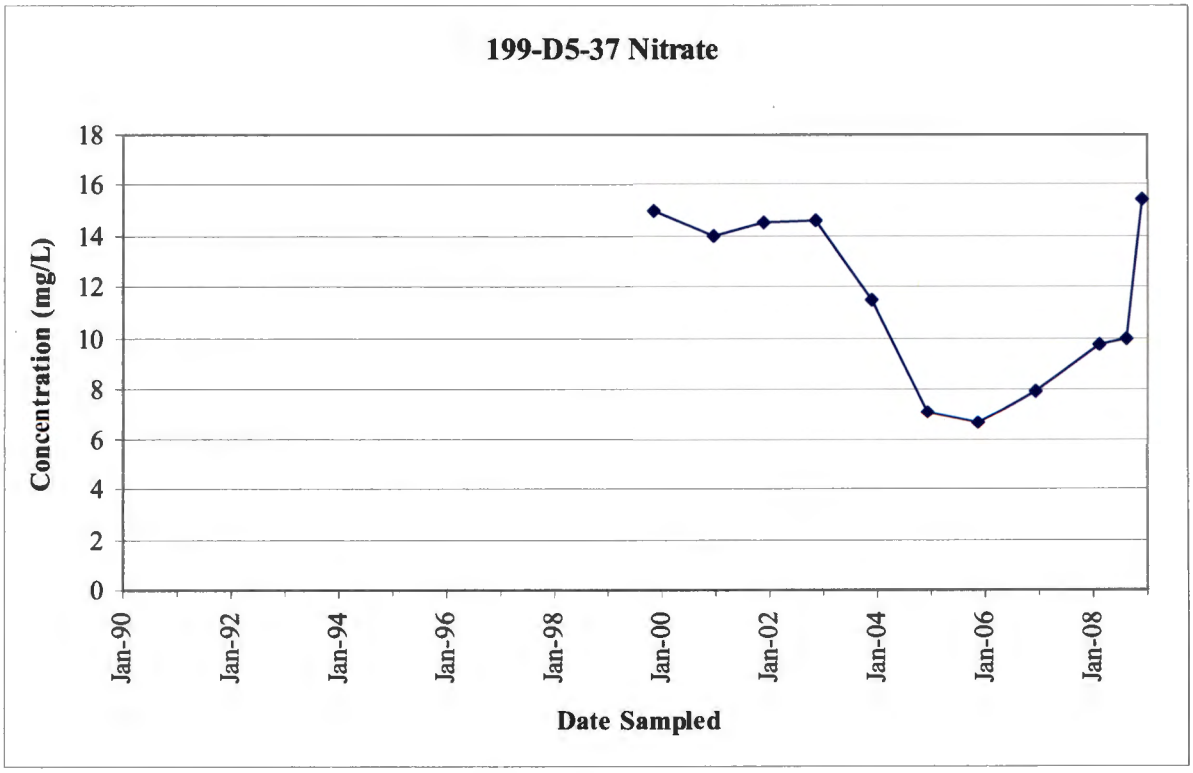

199-D5-20 Nitrate
Concentration (mg/L)
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

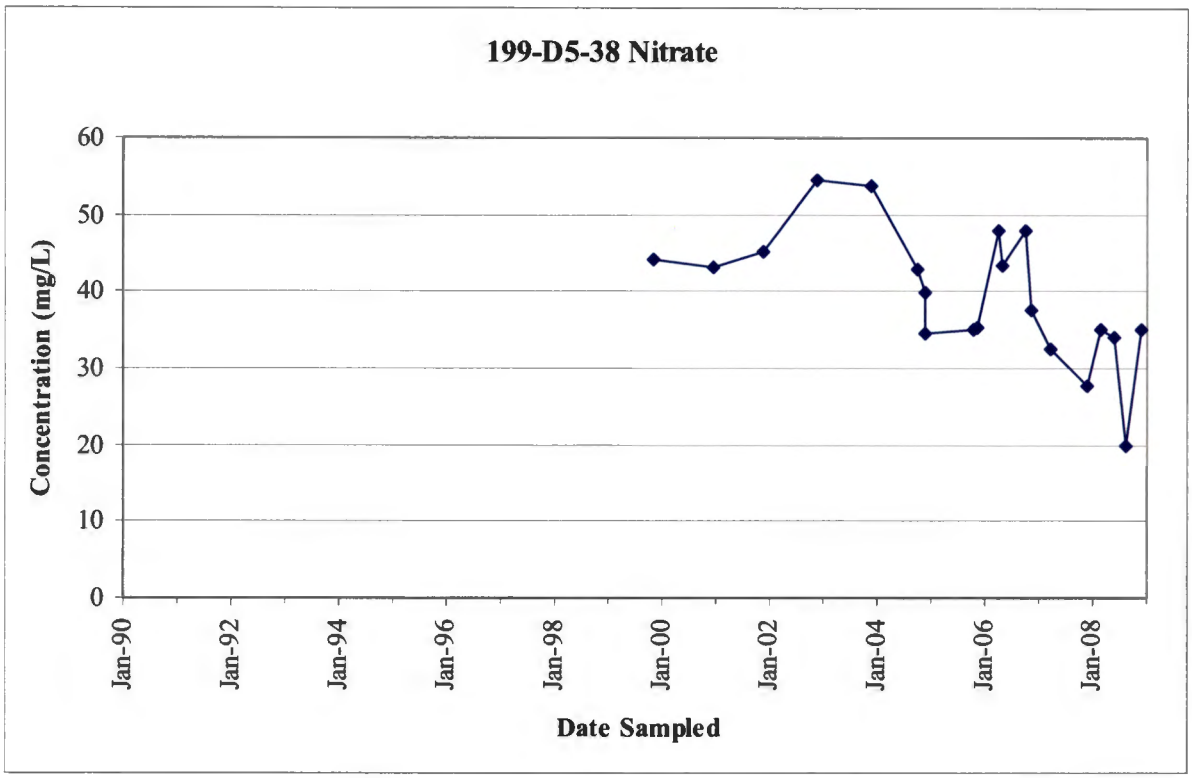

199-D5-32 Nitrate
Concentration (mg/L)
32
31
30
29
28
27
26
25
24
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

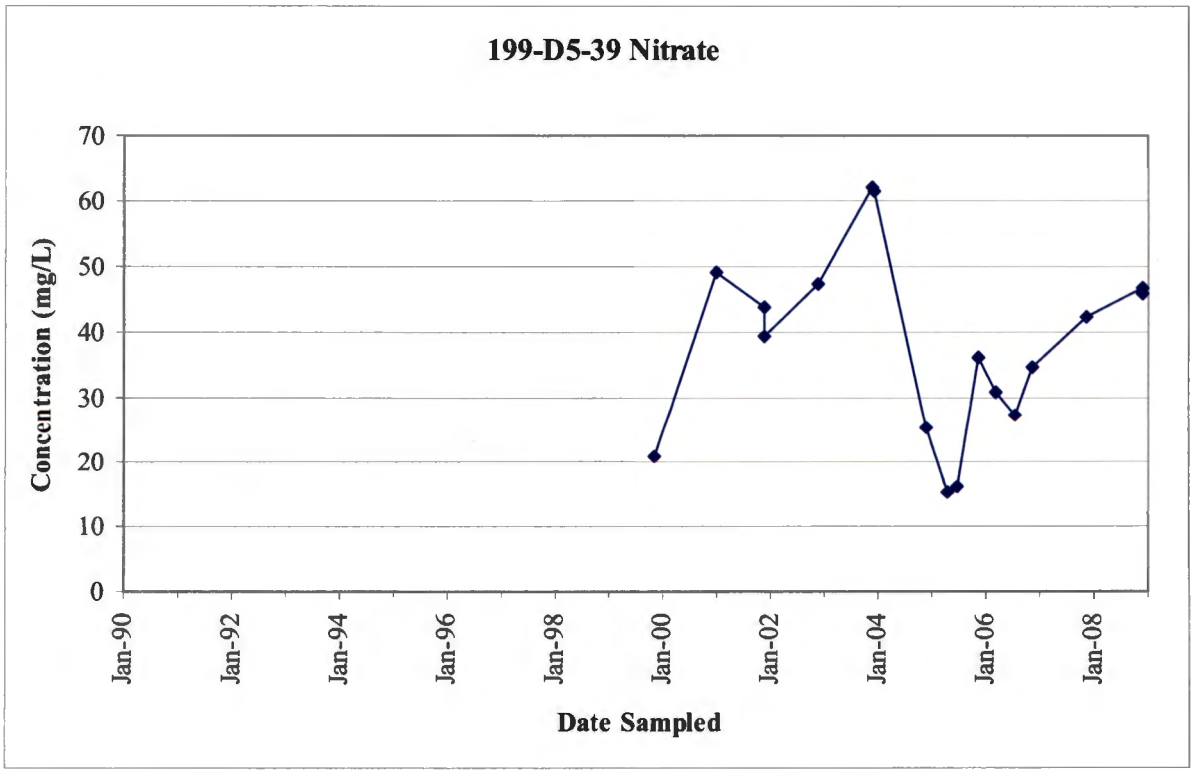

199-D5-33 Nitrate
Concentration (mg/L)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

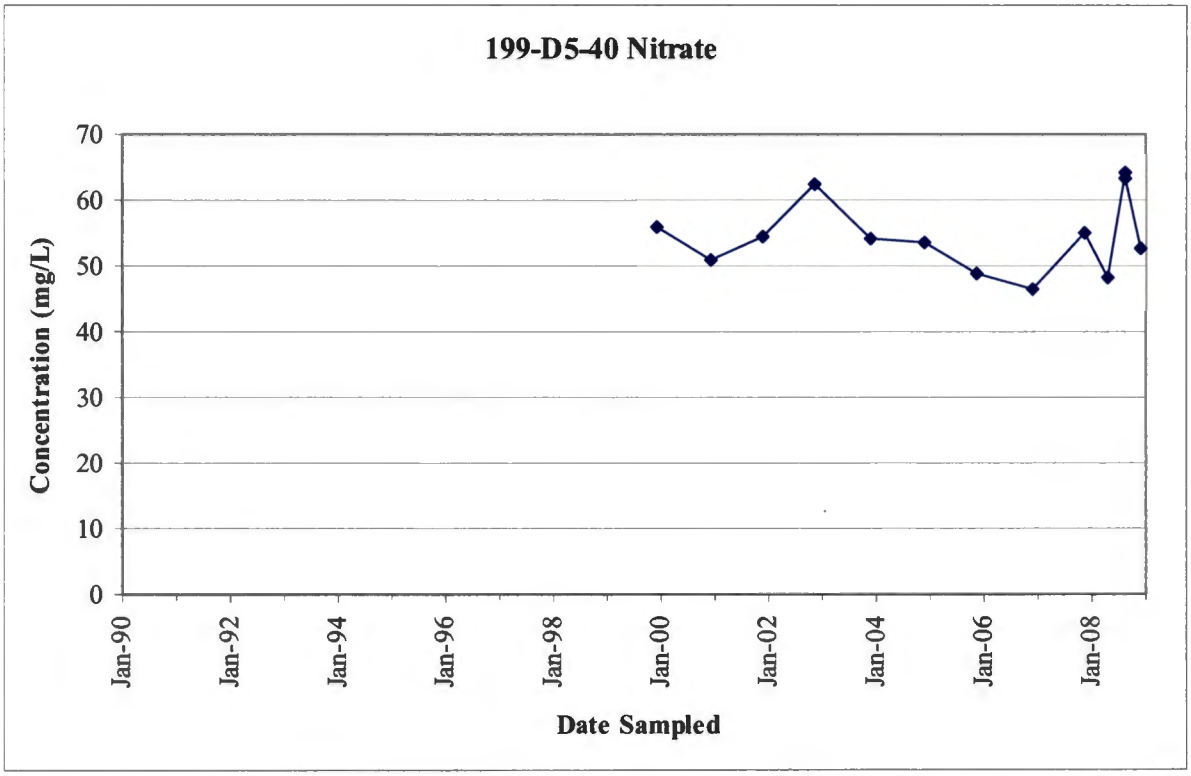

199-D5-34 Nitrate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

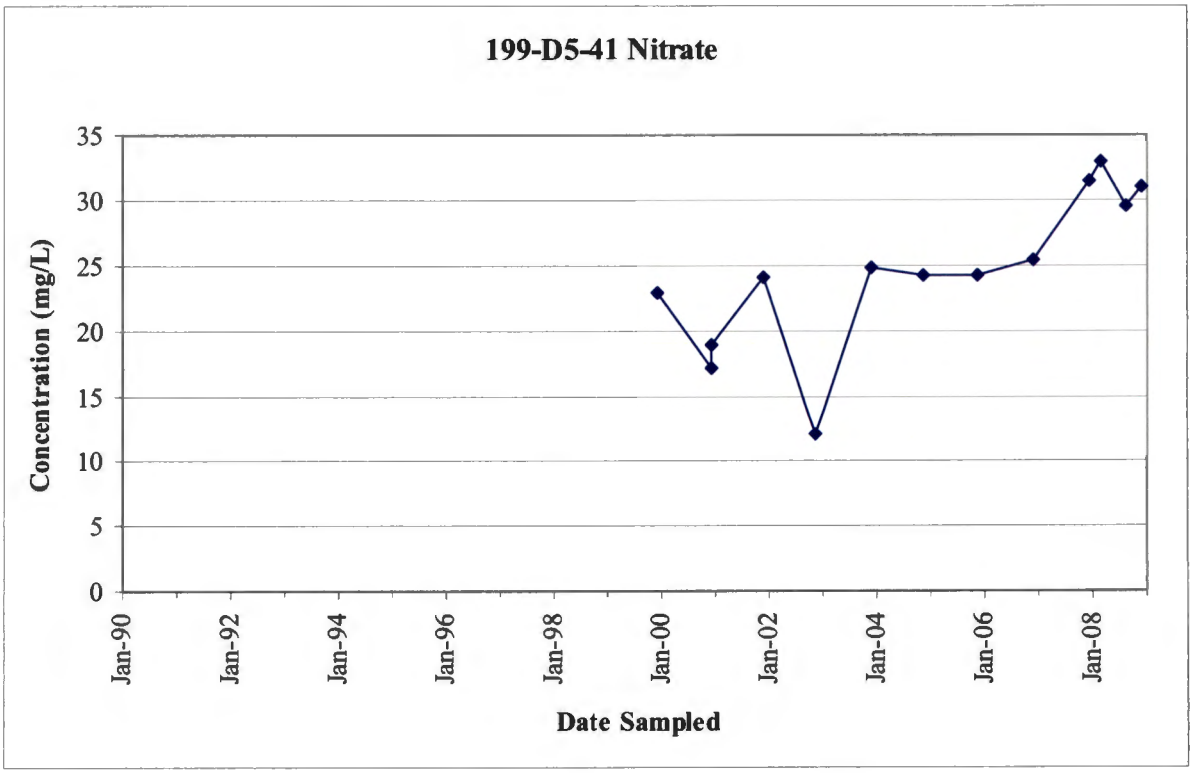

199-D5-36 Nitrate
Concentration (mg/L)
0
1
2
3
4
5
6
7
8
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

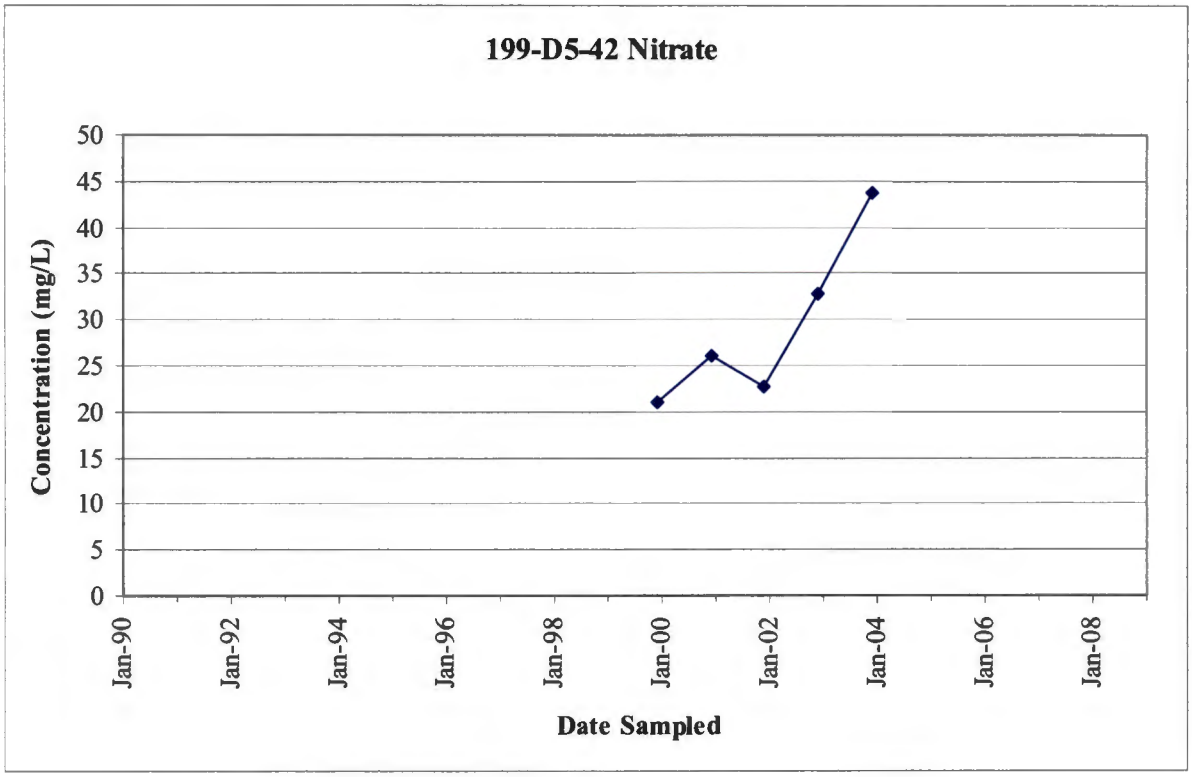

199-D5-37 Nitrate
Concentration (mg/L)
0
2
4
6
8
10
12
14
16
18
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

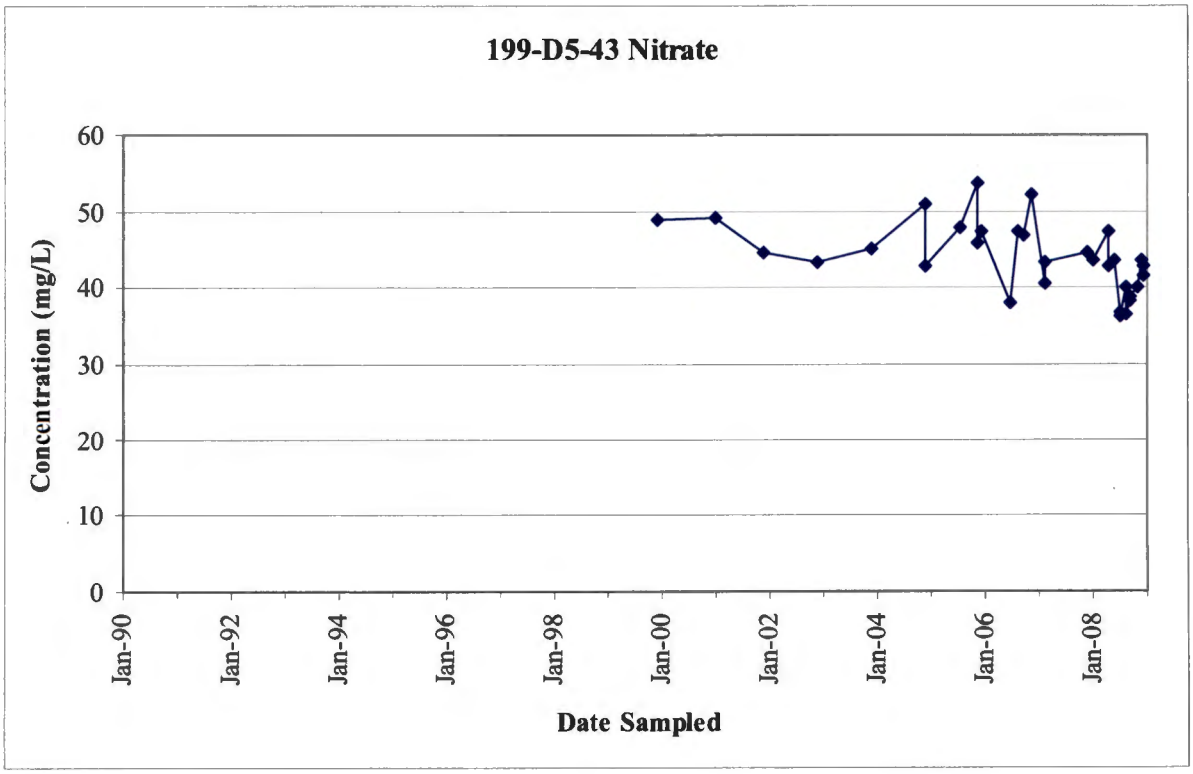

199-D5-38 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

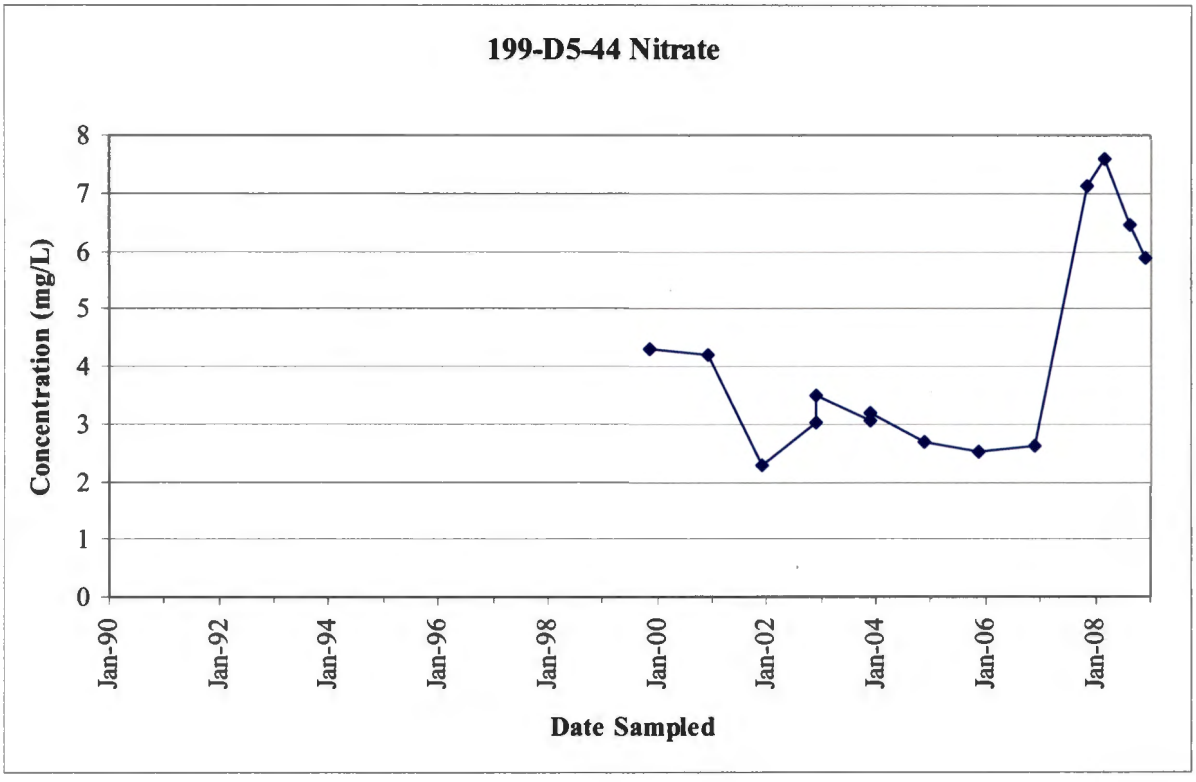

199-D5-39 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

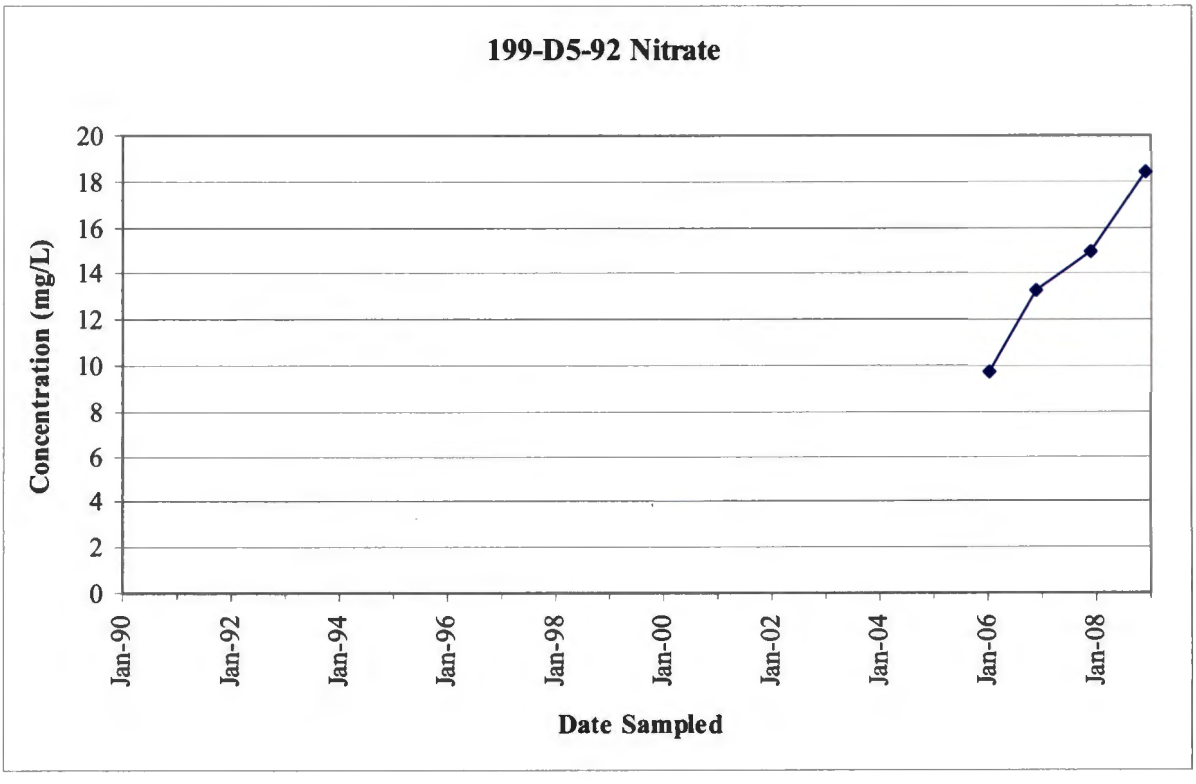

199-D5-40 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-41 Nitrate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-42 Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-43 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-44 Nitrate
Concentration (mg/L)
0
1
2
3
4
5
6
7
8
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-D5-92 Nitrate
Concentration (mg/L)
0
2
4
6
8
10
12
14
16
18
20
Jan-90
Jan-92
Jan-94
Jan-96
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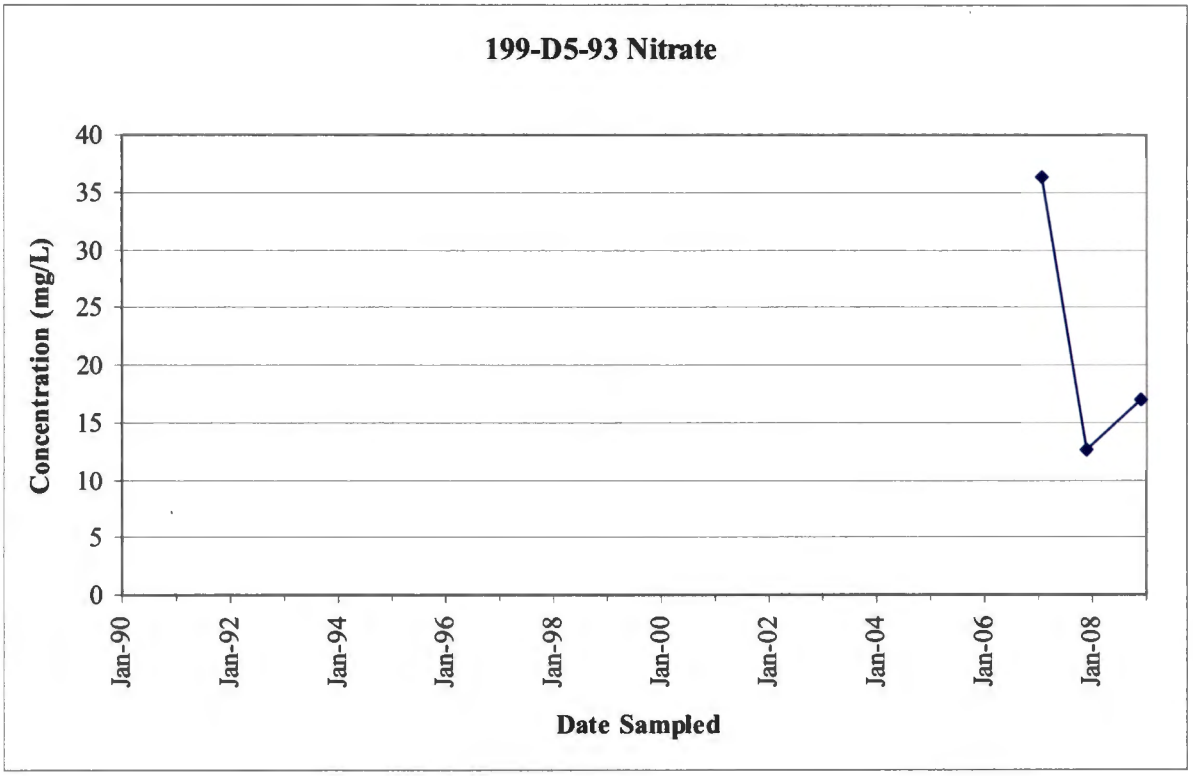
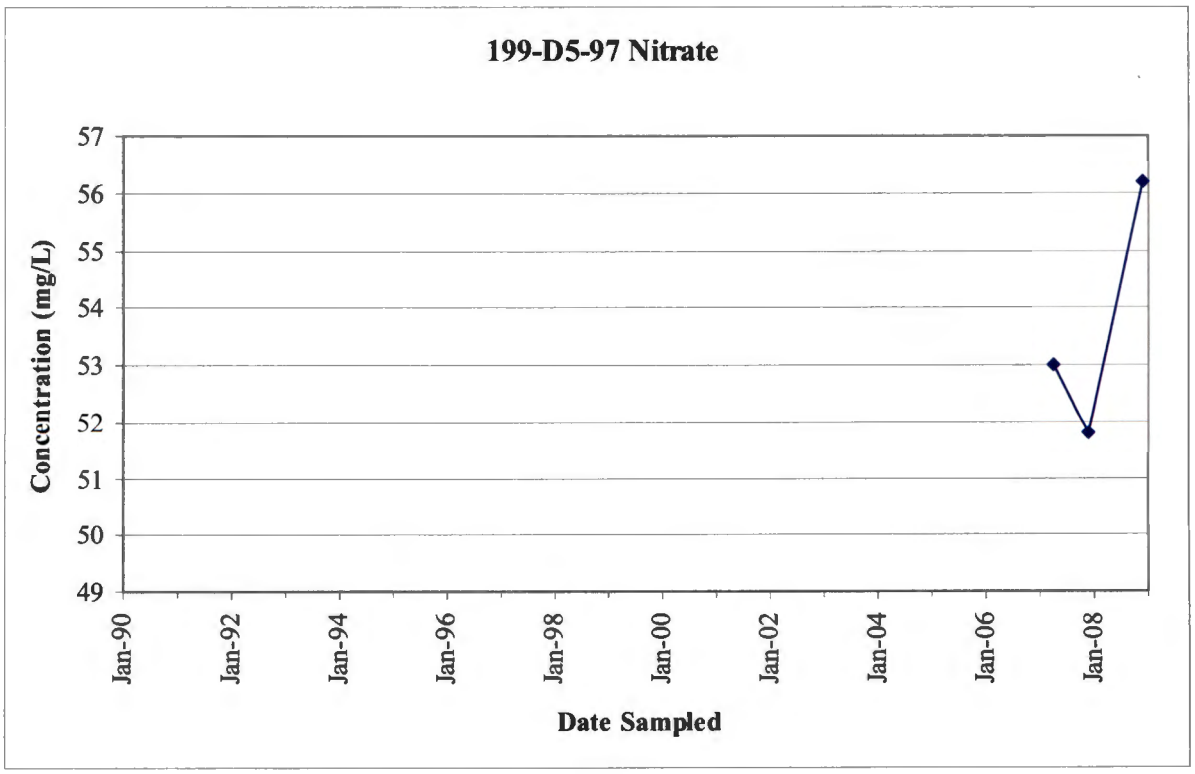
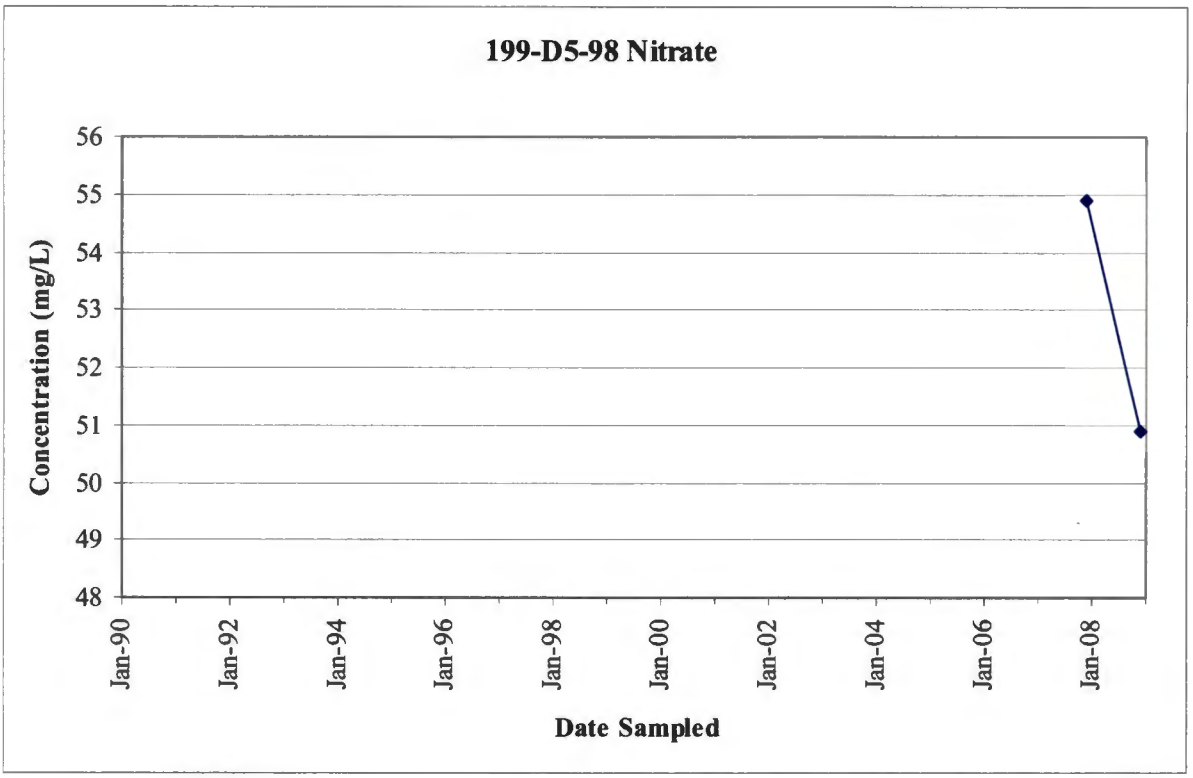
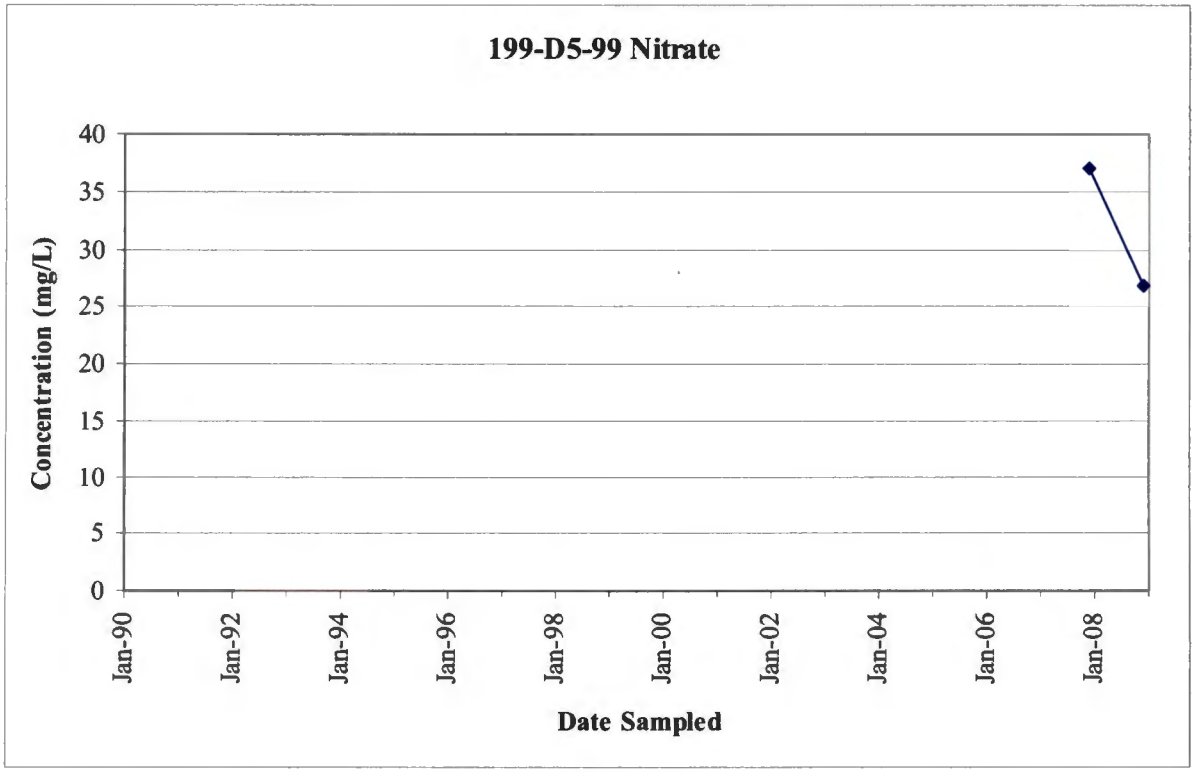
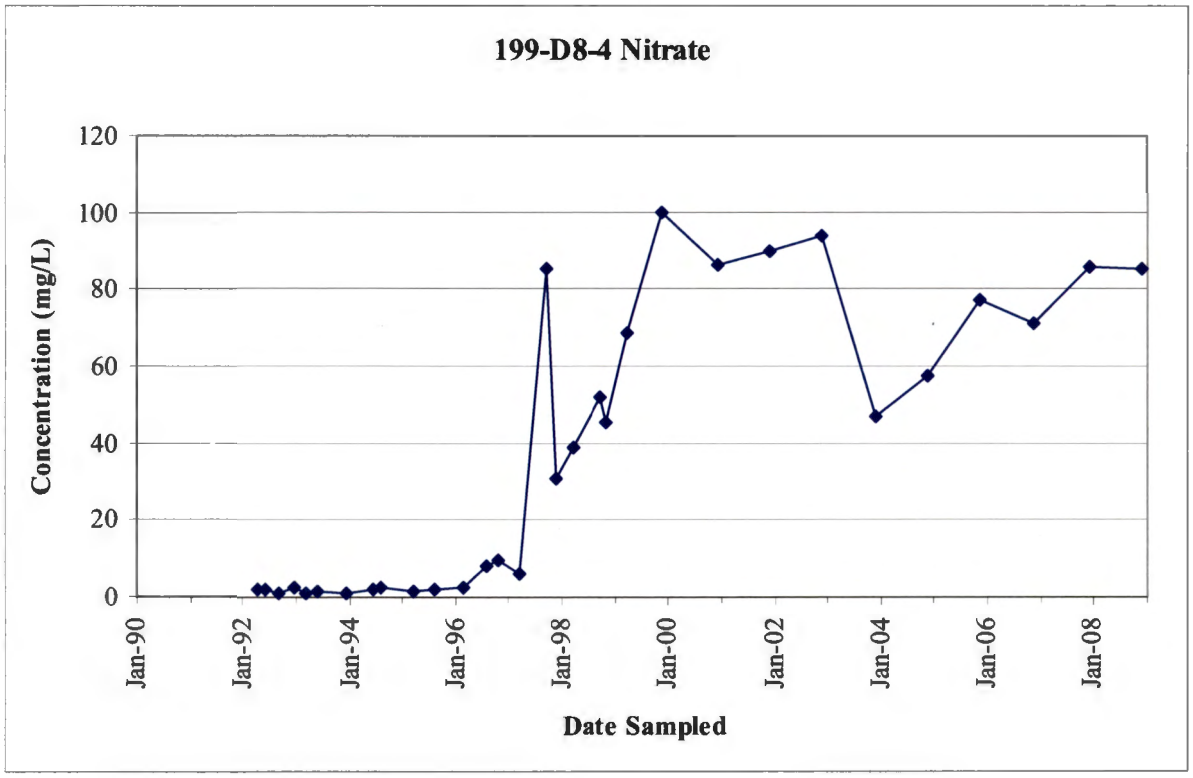
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

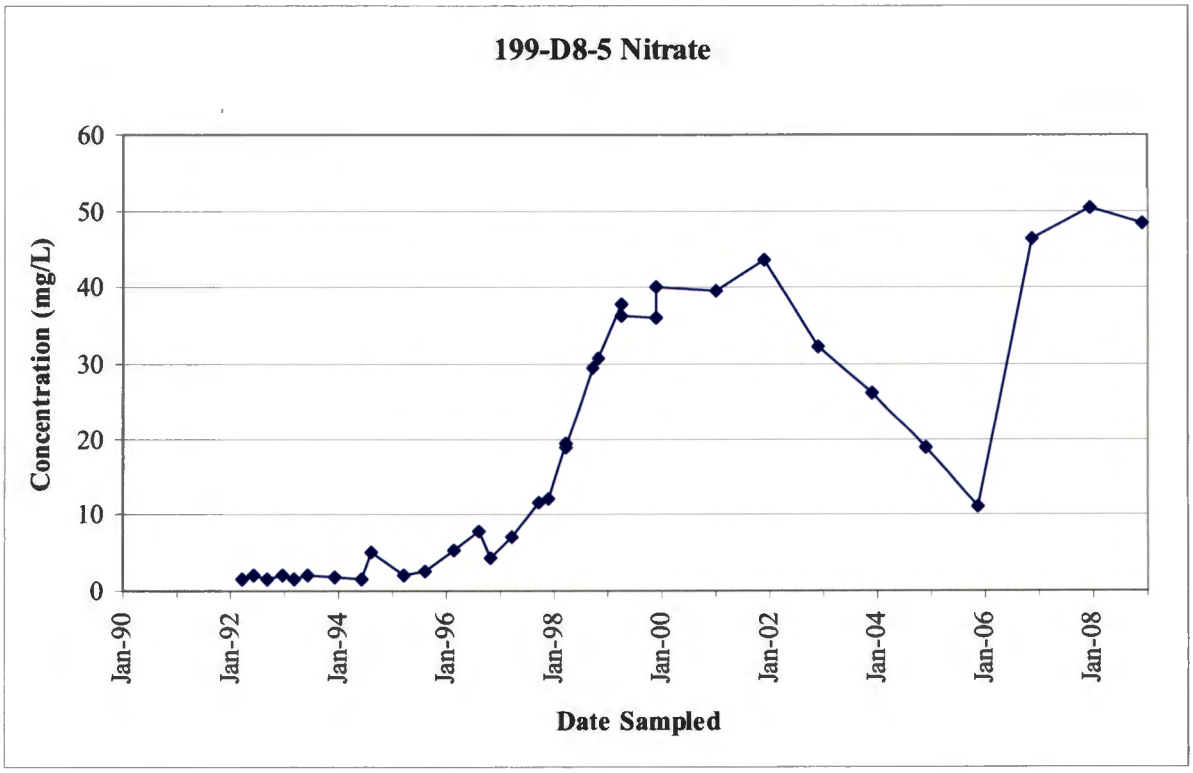

199-D5-93 Nitrate
Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

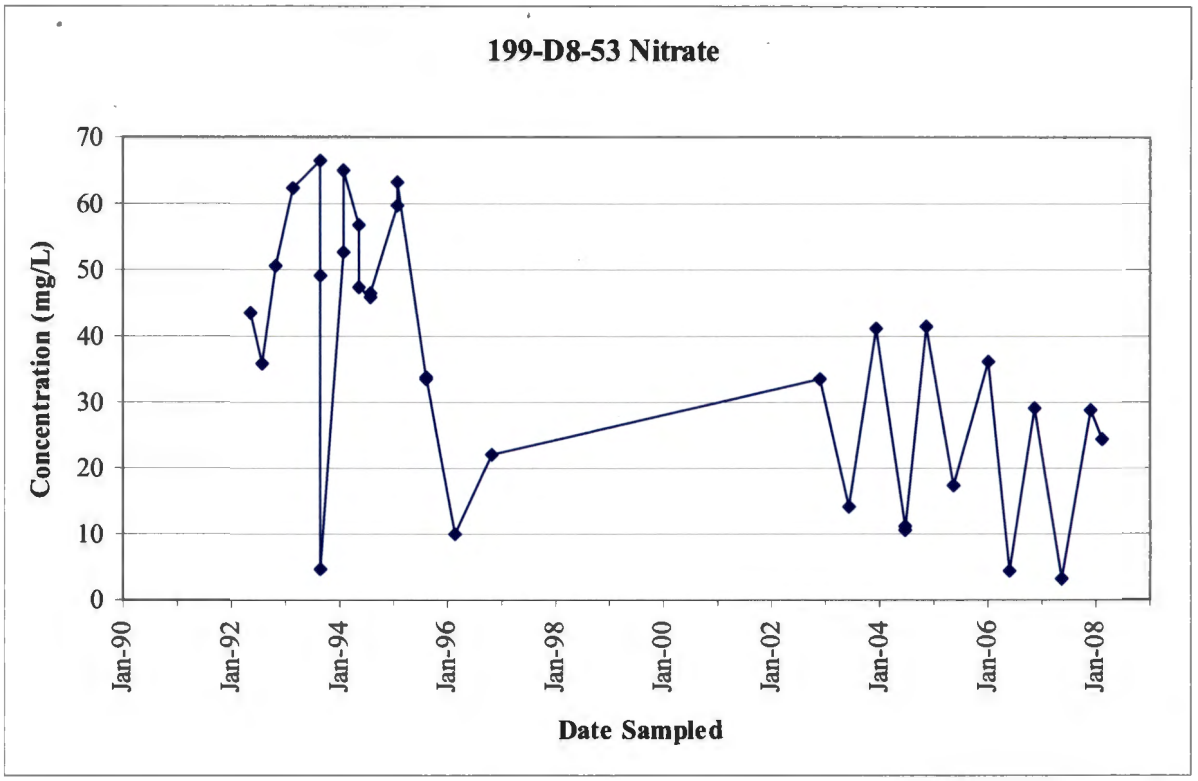

199-D5-97 Nitrate
Concentration (mg/L)
57
56
55
54
53
52
51
50
49
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

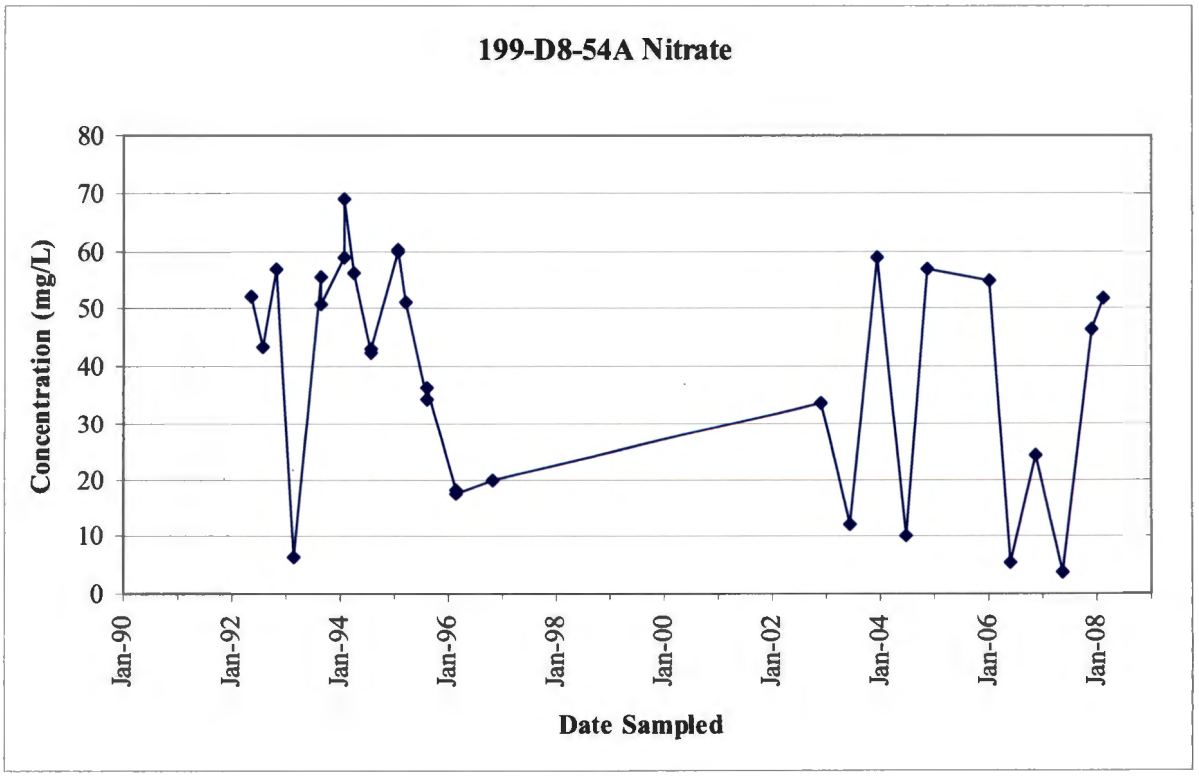

199-D5-98 Nitrate
Concentration (mg/L)
56
55
54
53
52
51
50
49
48
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

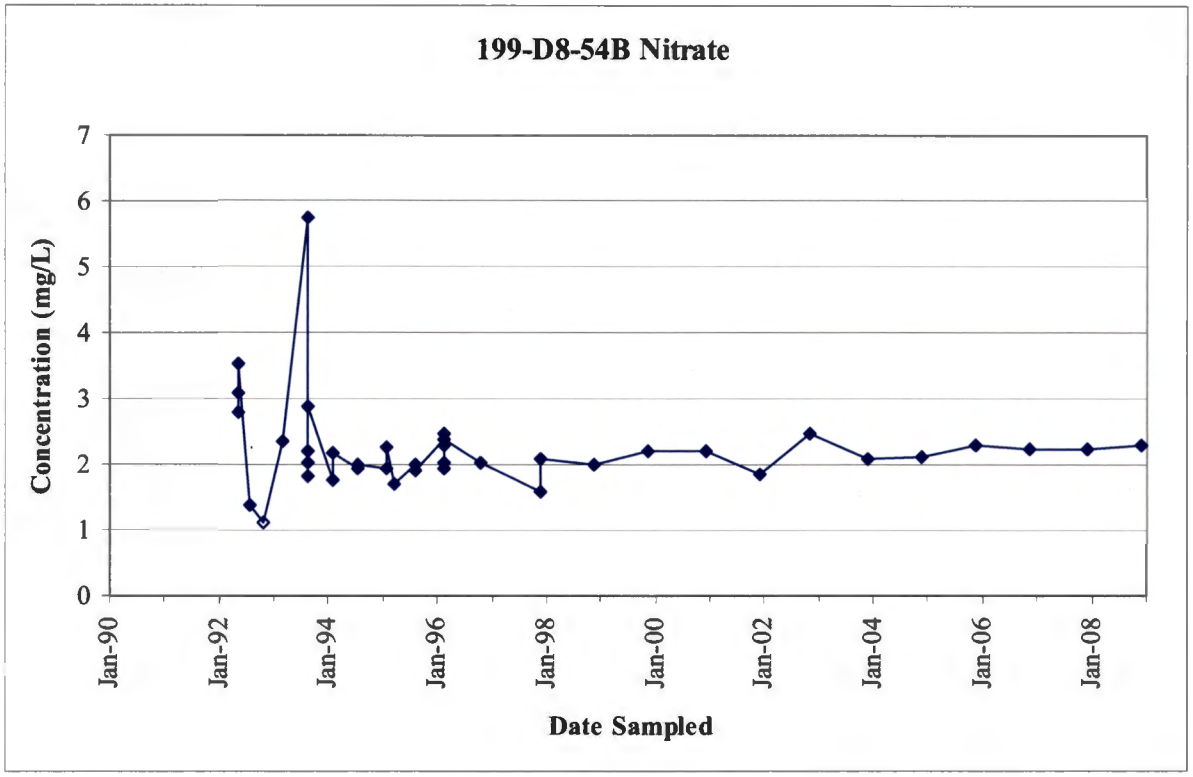

199-D5-99 Nitrate
Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

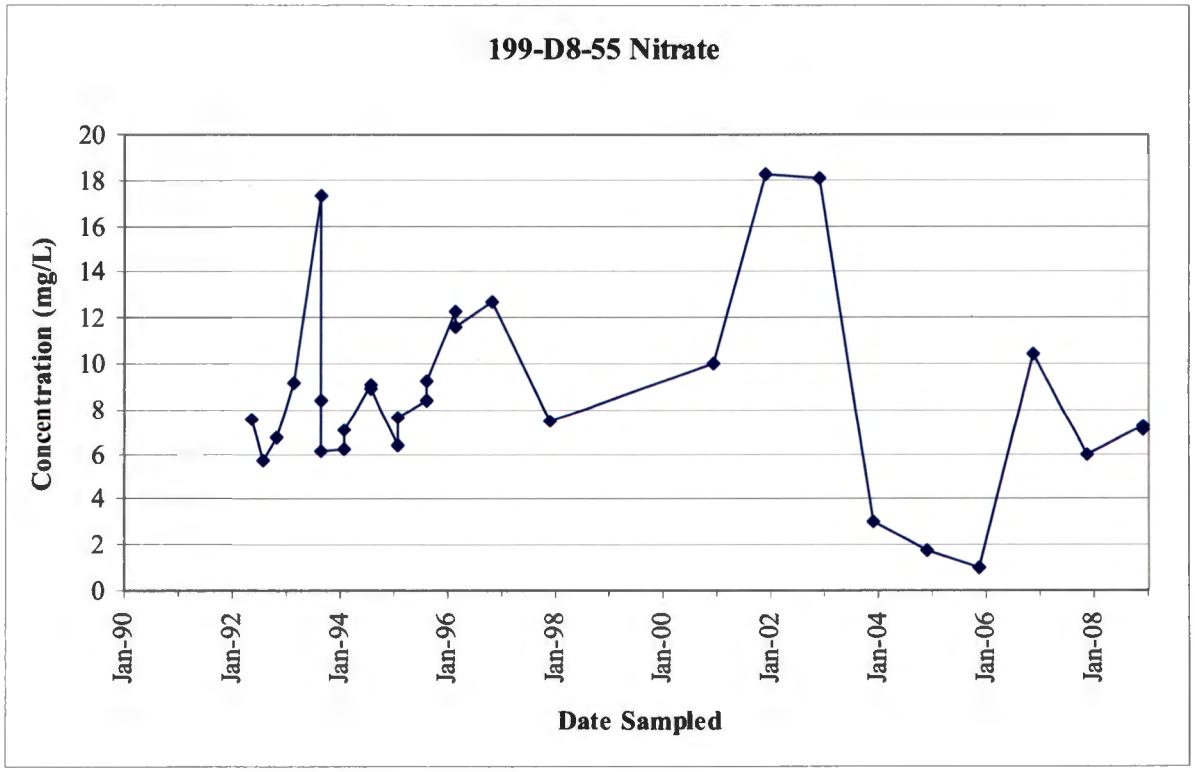

199-D8-4 Nitrate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

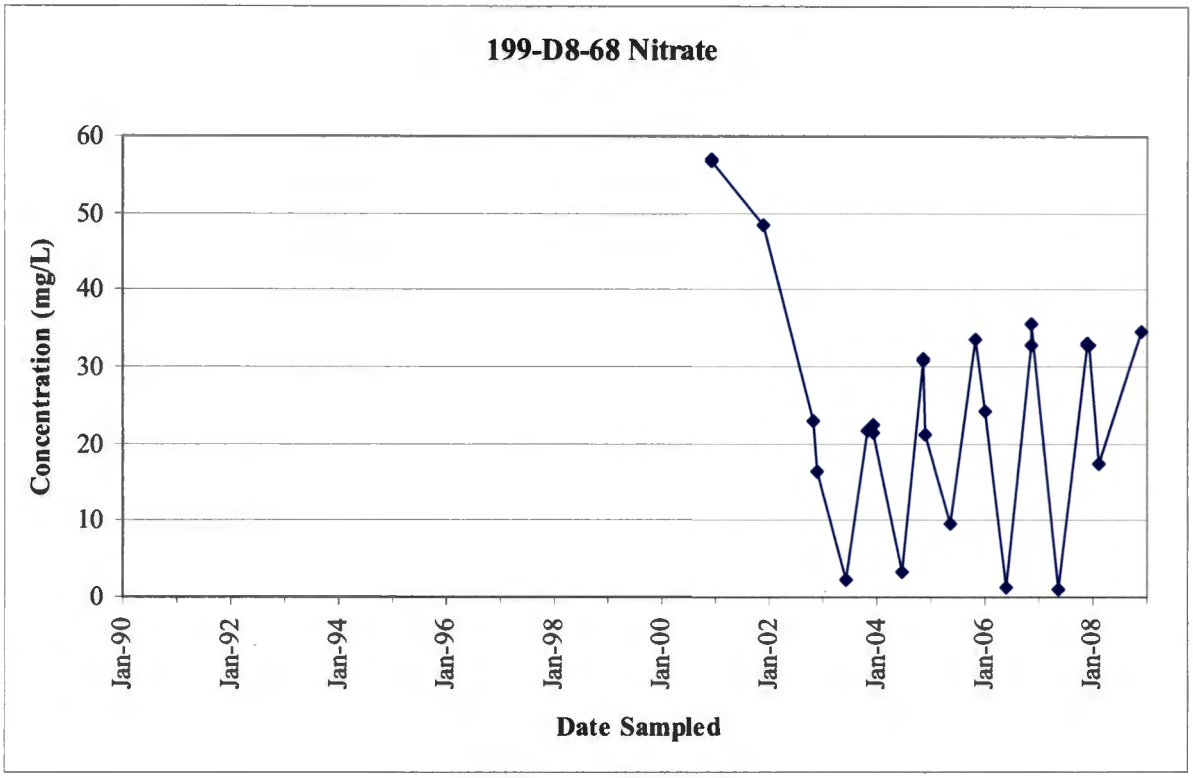

199-D8-5 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

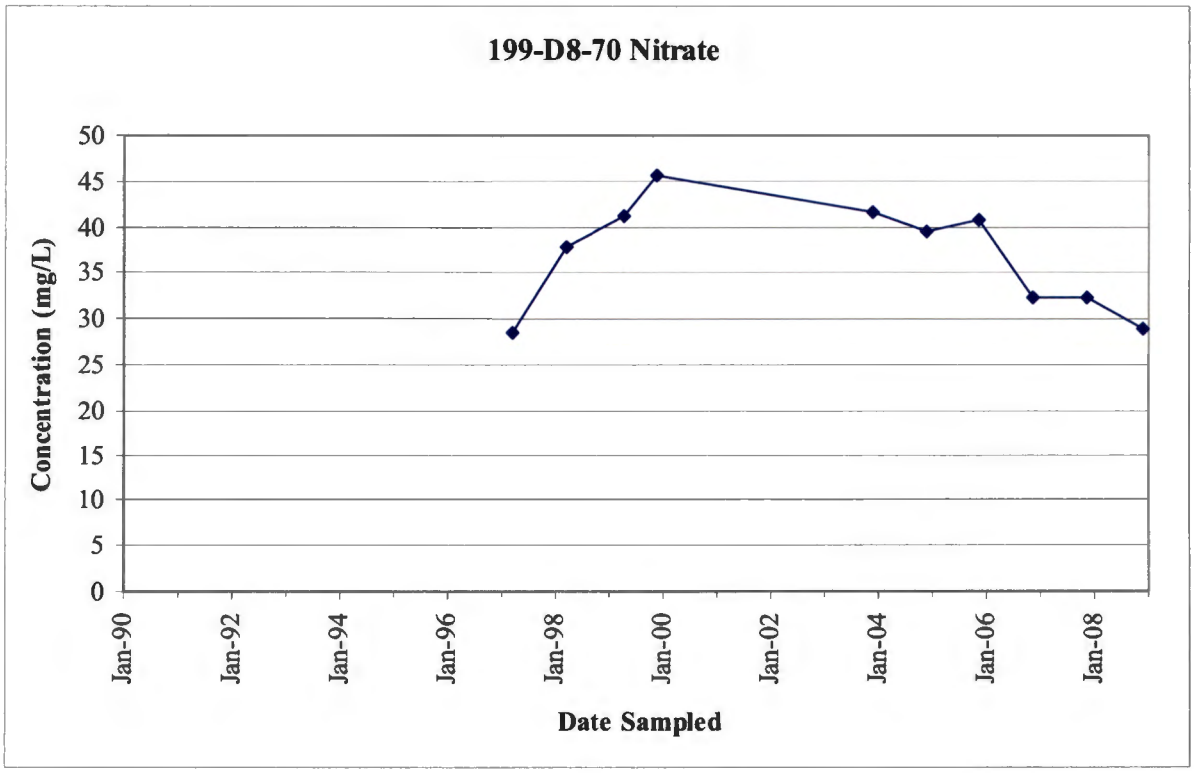

199-D8-53 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

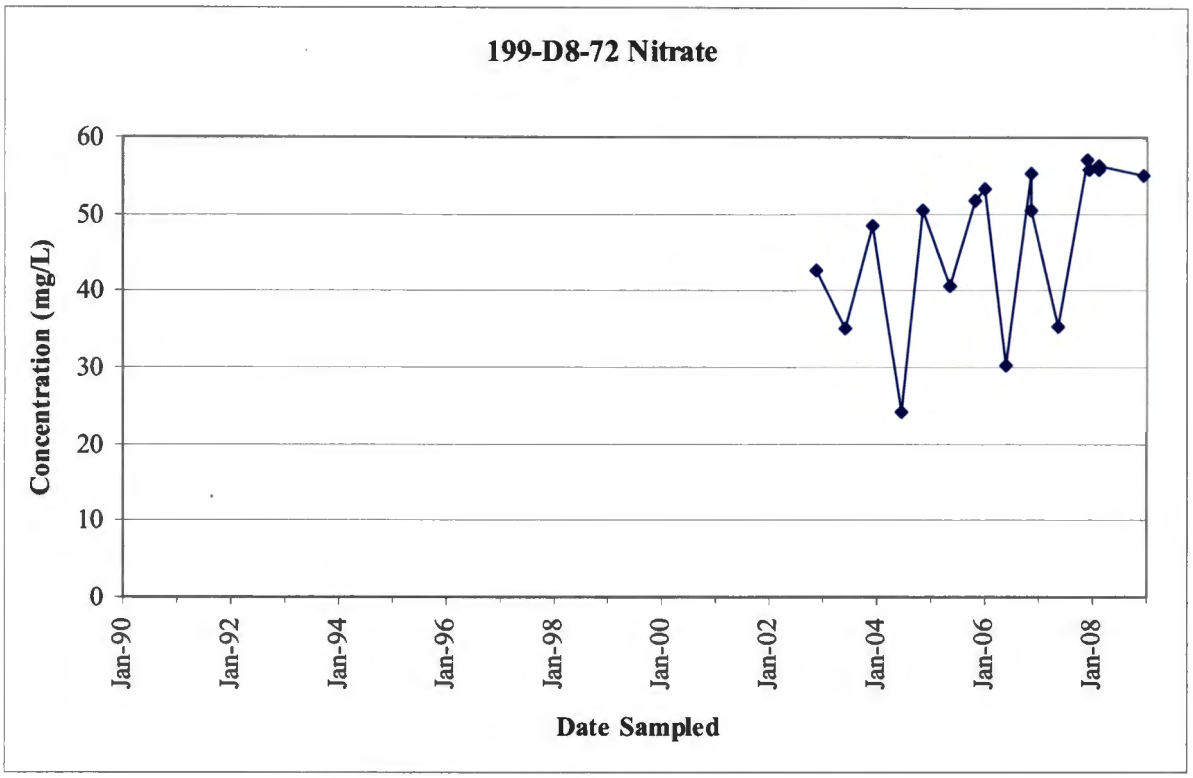

199-D8-54A Nitrate
Concentration (mg/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

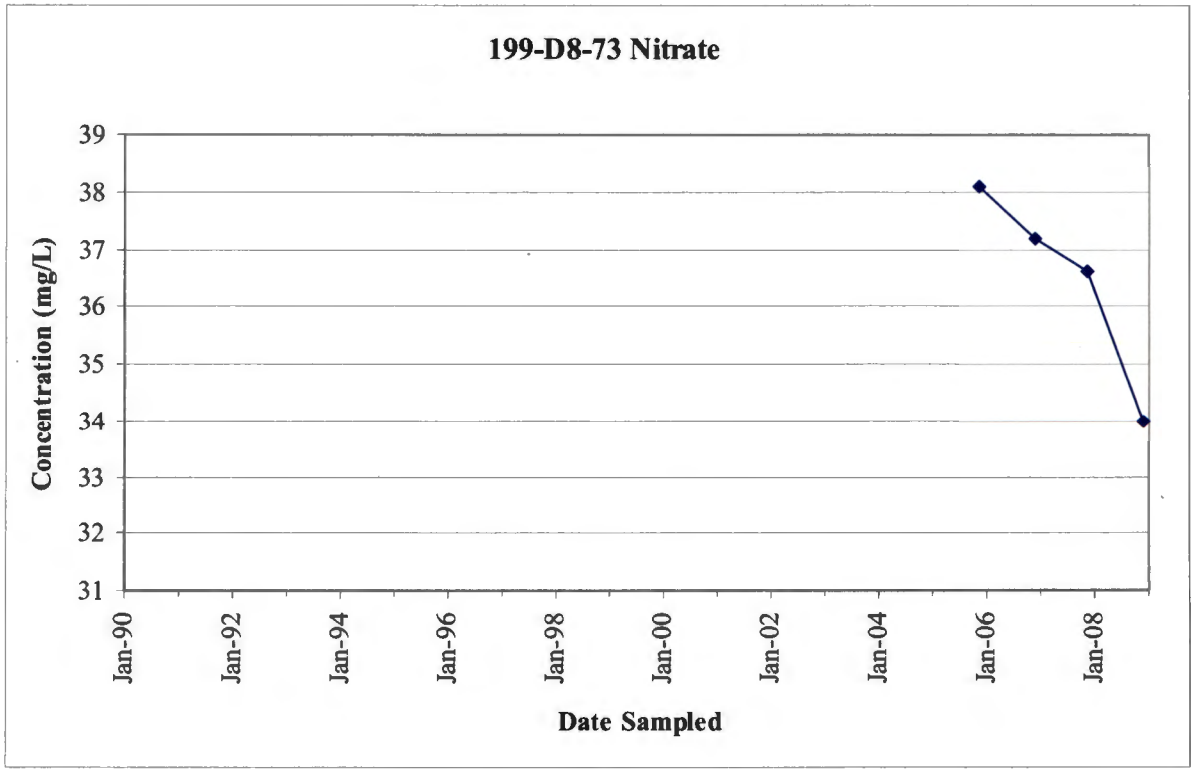

199-D8-54B Nitrate
Concentration (mg/L)
0
1
2
3
4
5
6
7
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

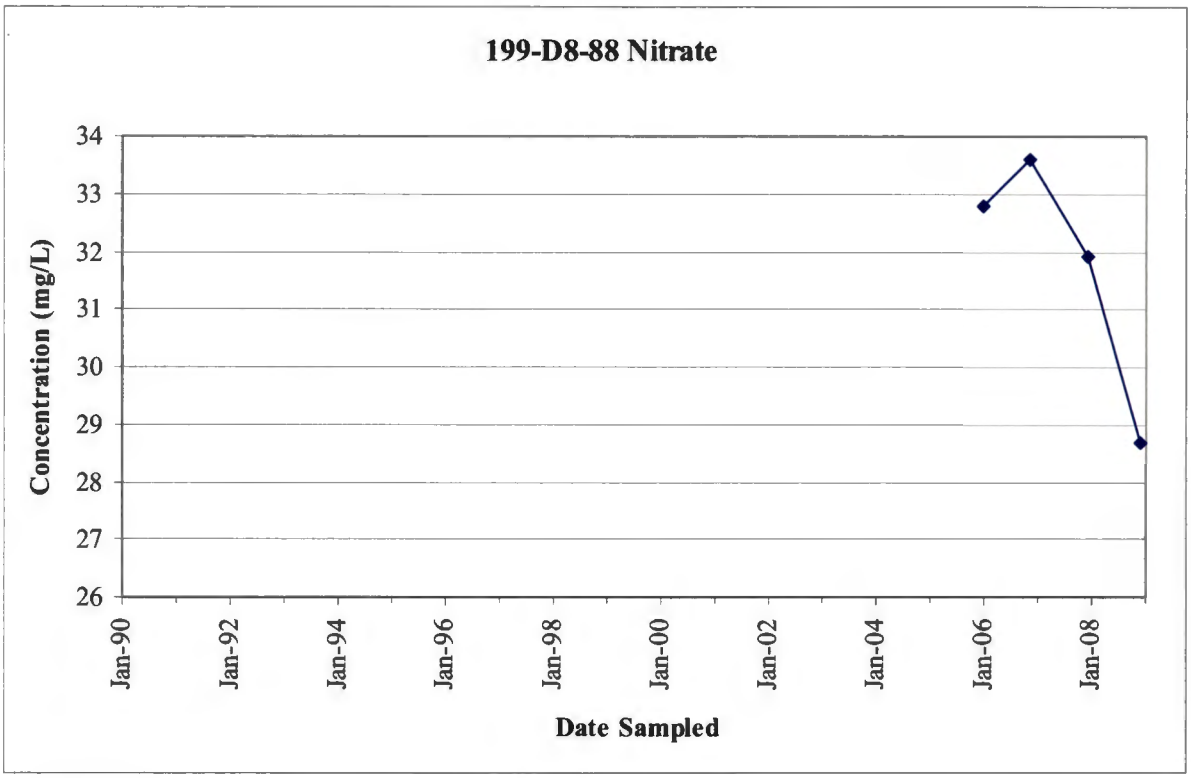

199-D8-55 Nitrate
Concentration (mg/L)
0
2
4
6
8
10
12
14
16
18
20
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

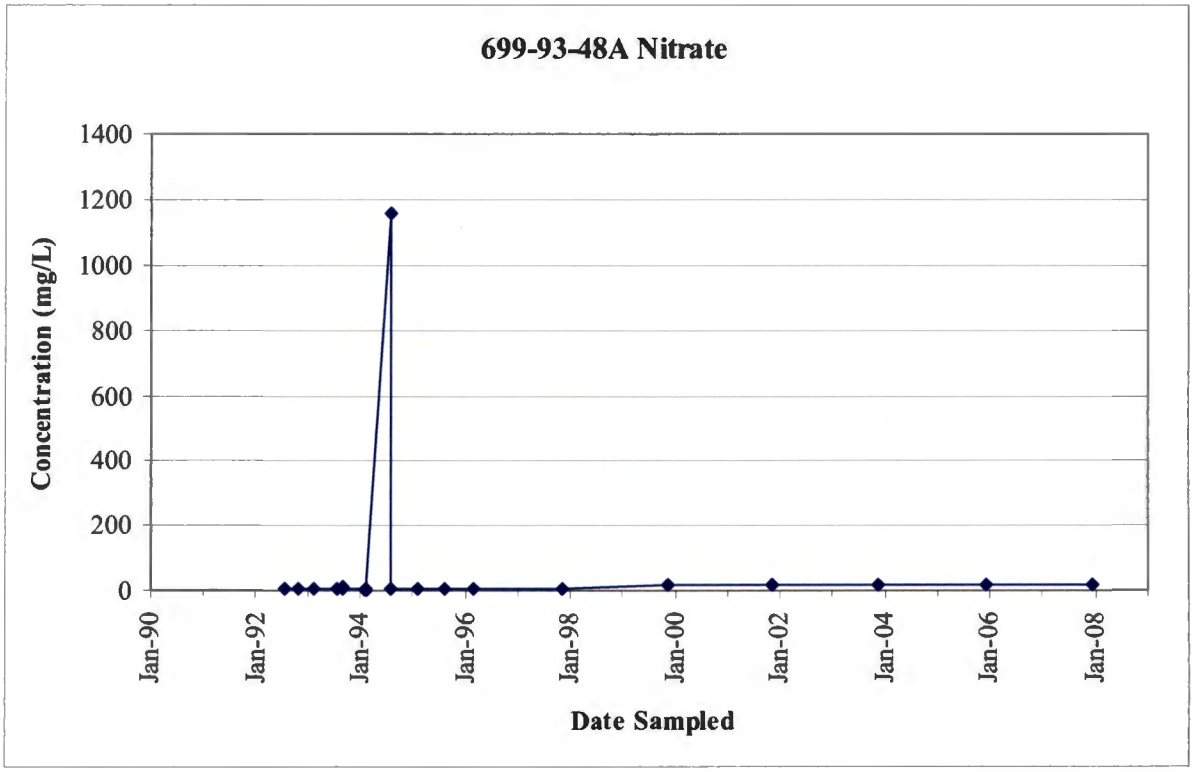

199-D8-68 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

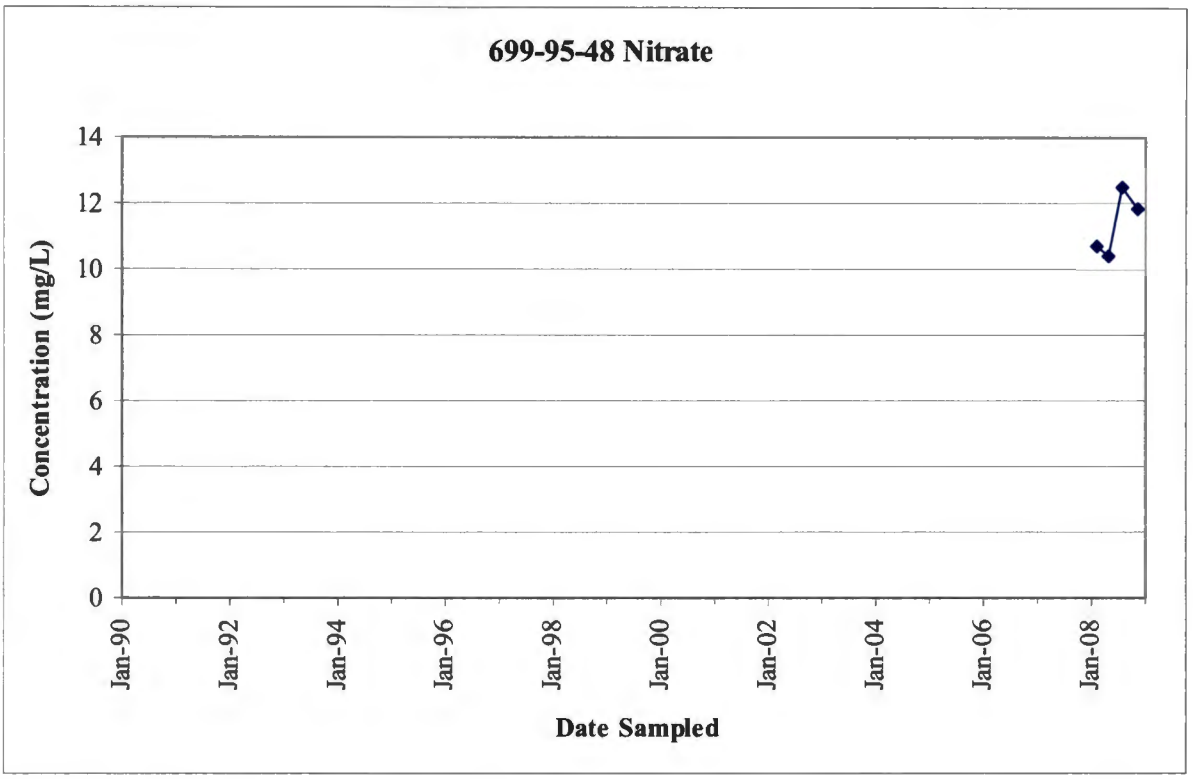

199-D8-70 Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

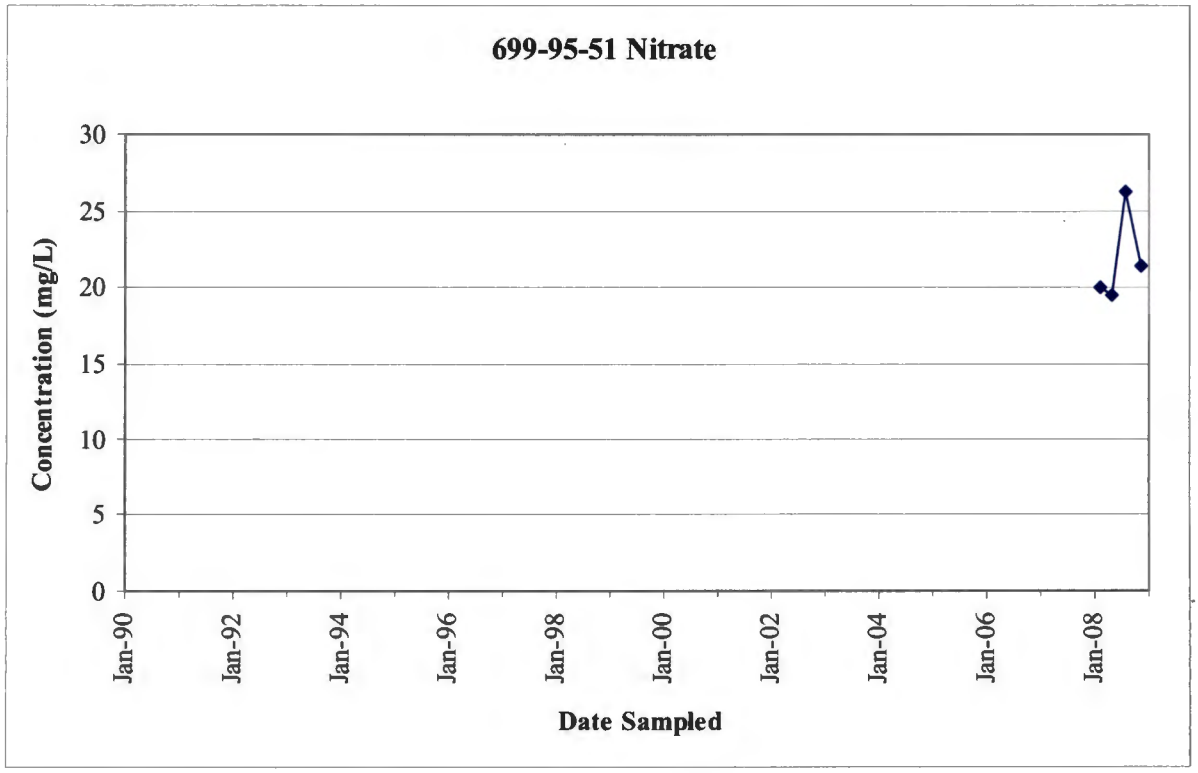

199-D8-72 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

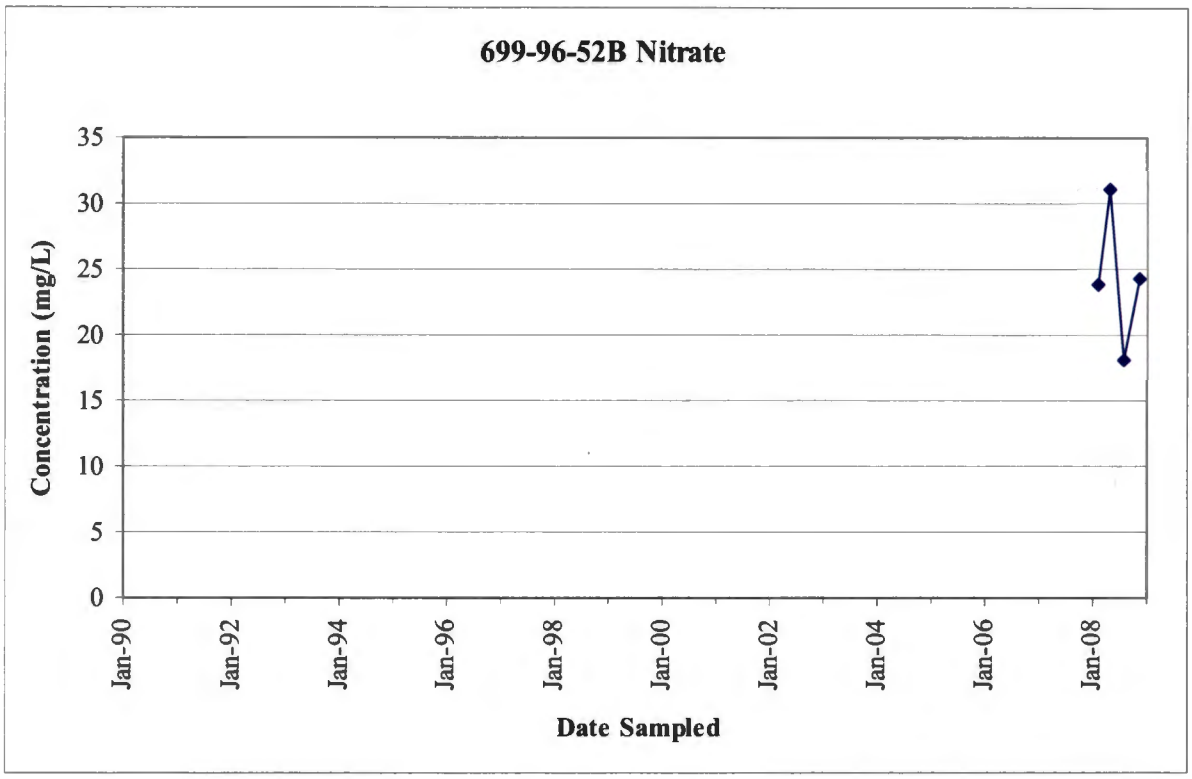

199-D8-73 Nitrate
Concentration (mg/L)
39
38
37
36
35
34
33
32
31
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

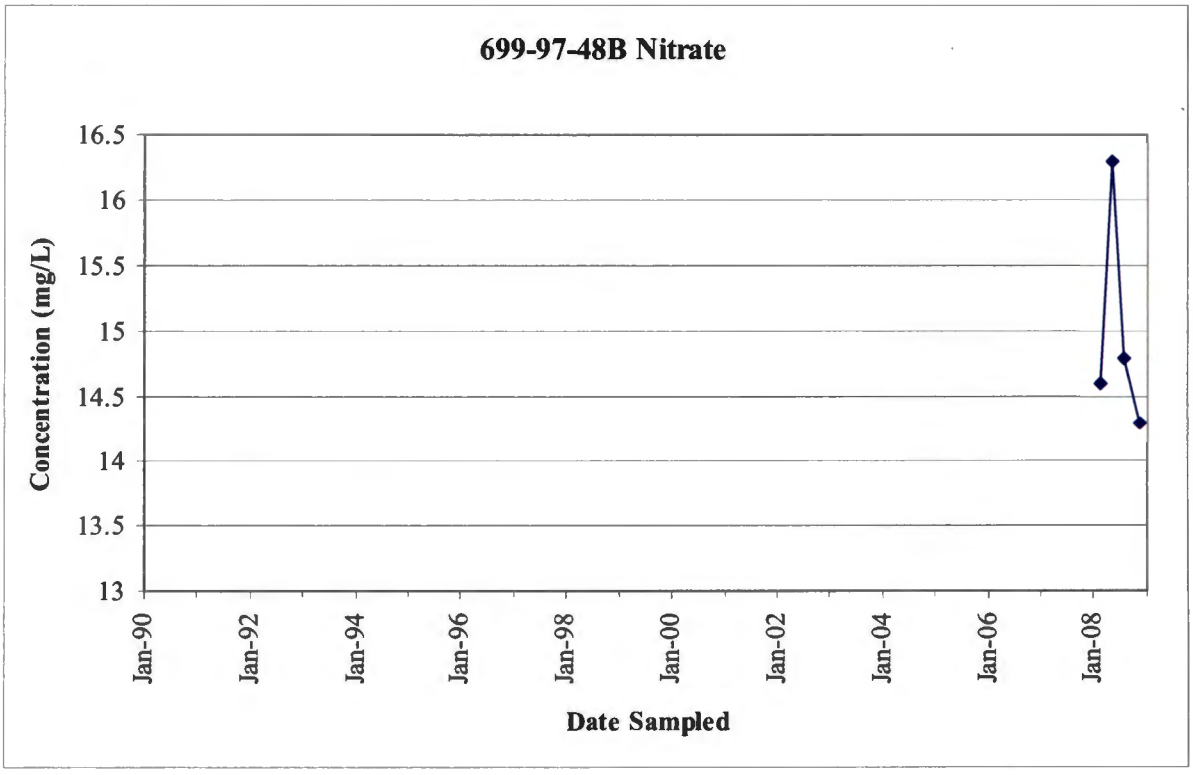

199-D8-88 Nitrate
Concentration (mg/L)
34
33
32
31
30
29
28
27
26
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

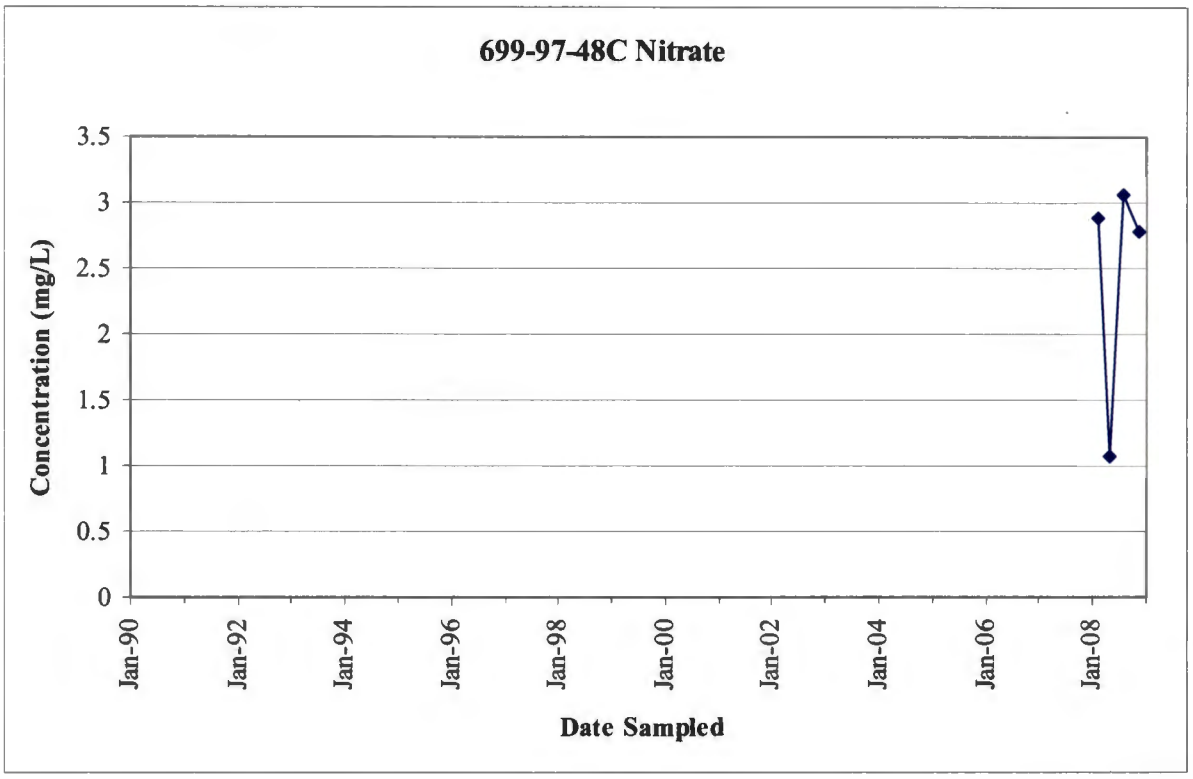

699-93-48A Nitrate
Concentration (mg/L)
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

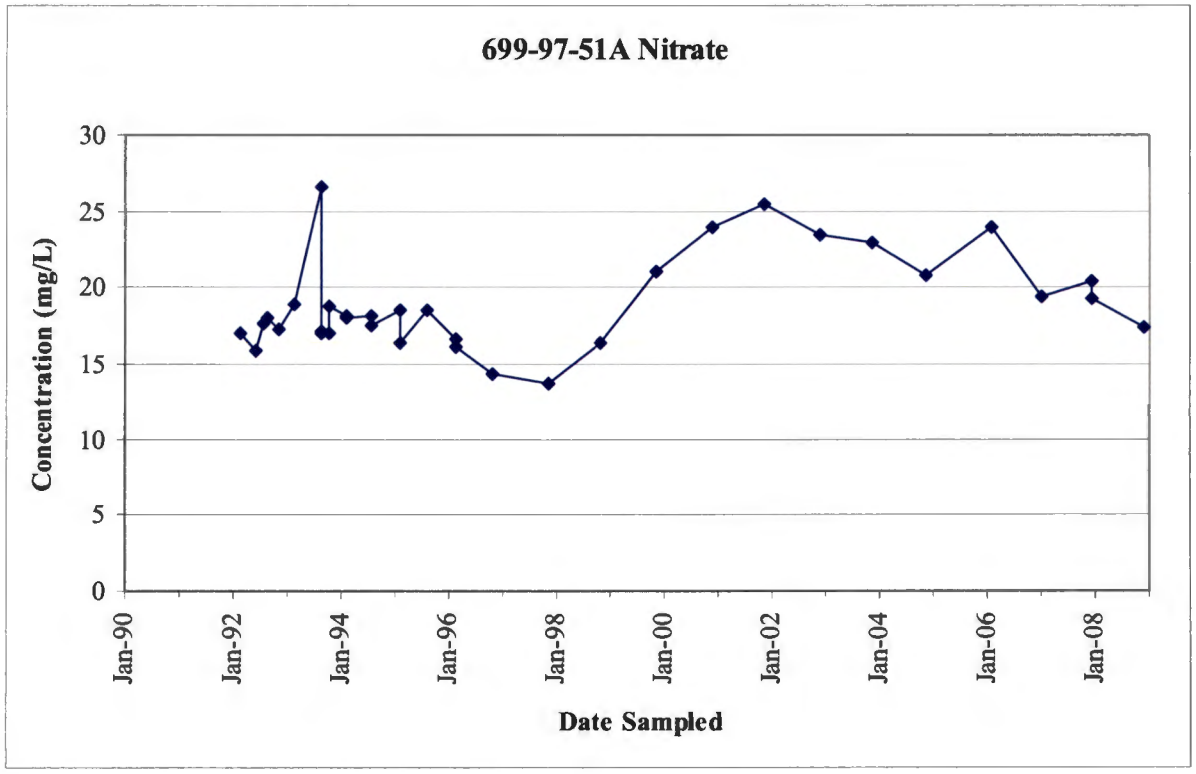

699-95-48 Nitrate
Concentration (mg/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

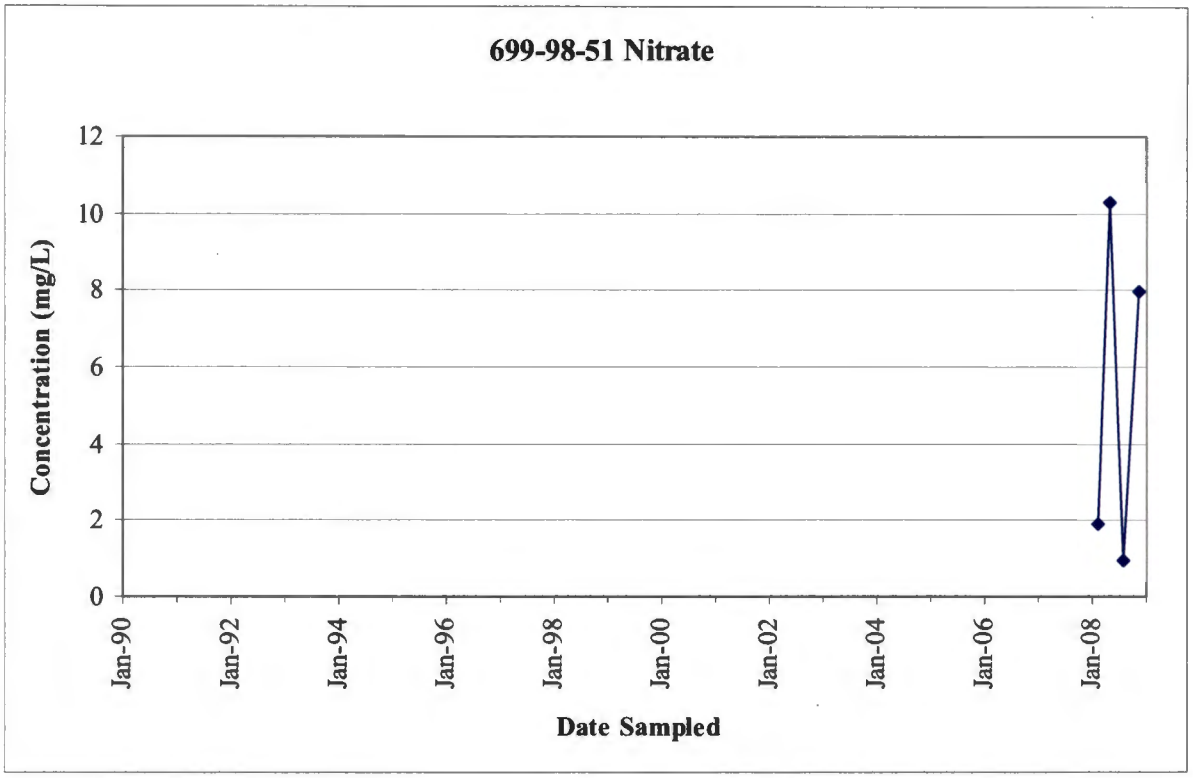

699-95-51 Nitrate
Concentration (mg/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

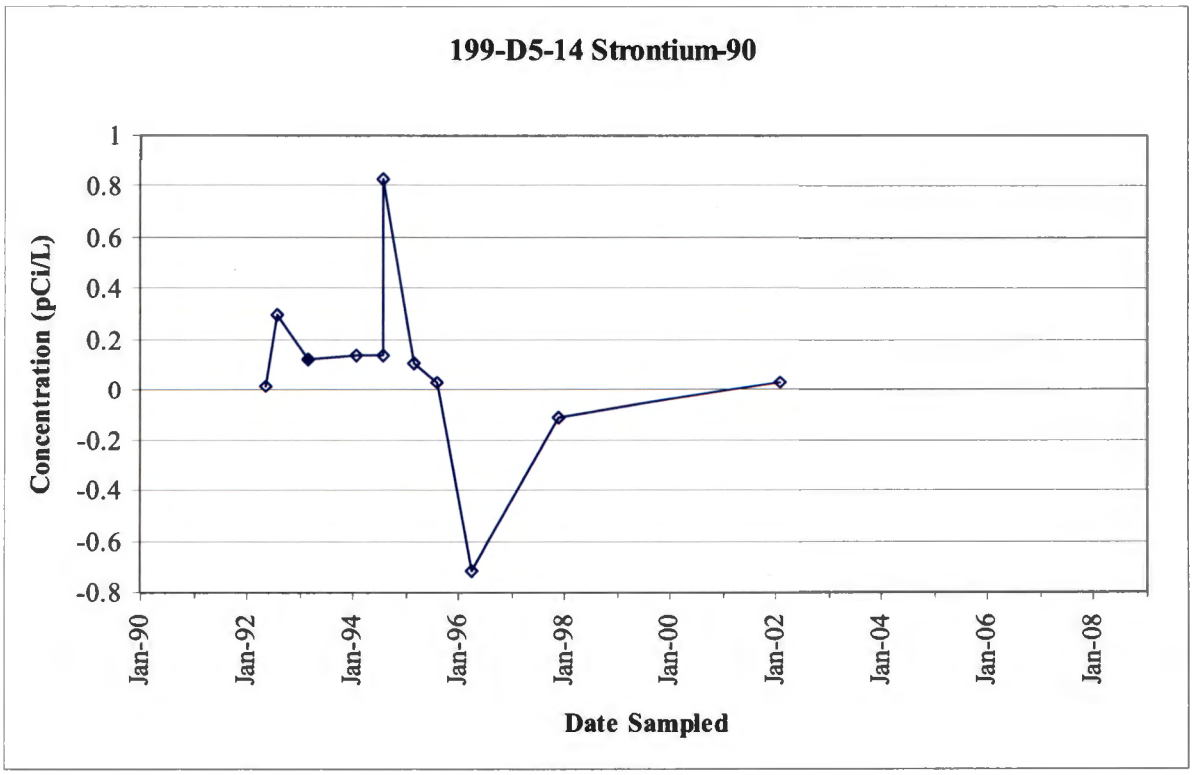

699-96-52B Nitrate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

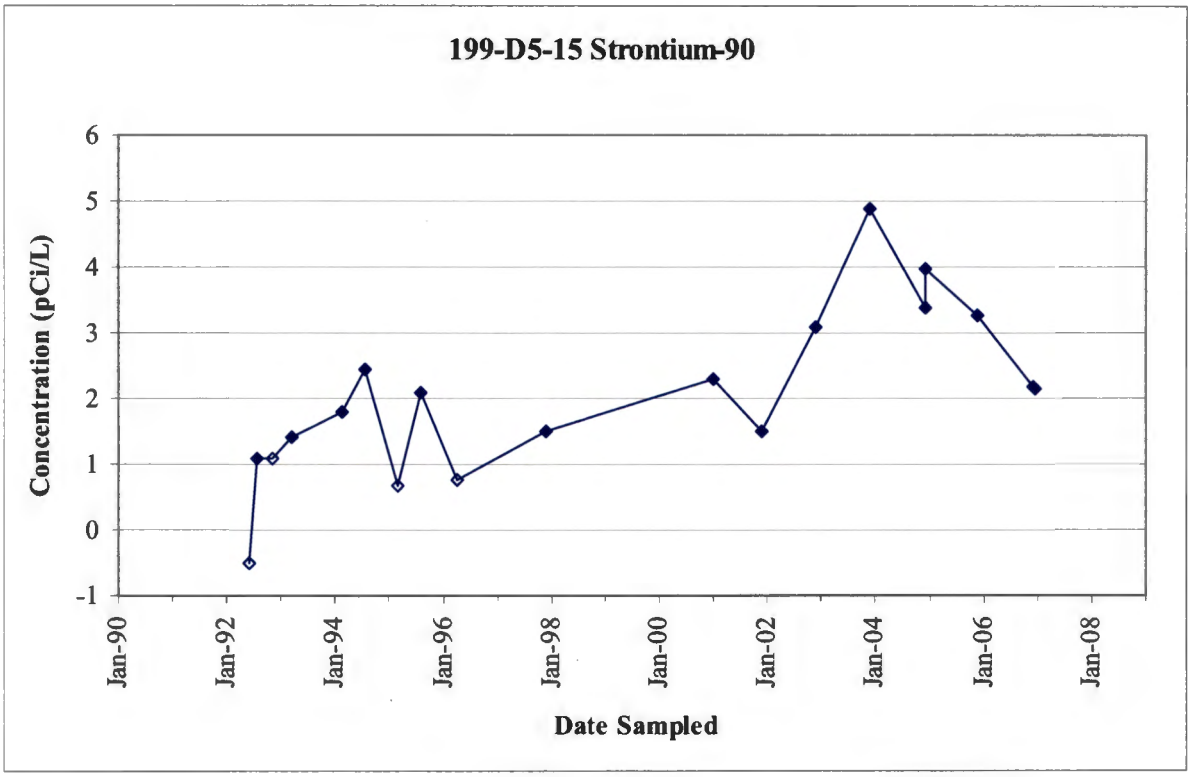

699-97-48B Nitrate
Concentration (mg/L)
16.5
16
15.5
15
14.5
14
13.5
13
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

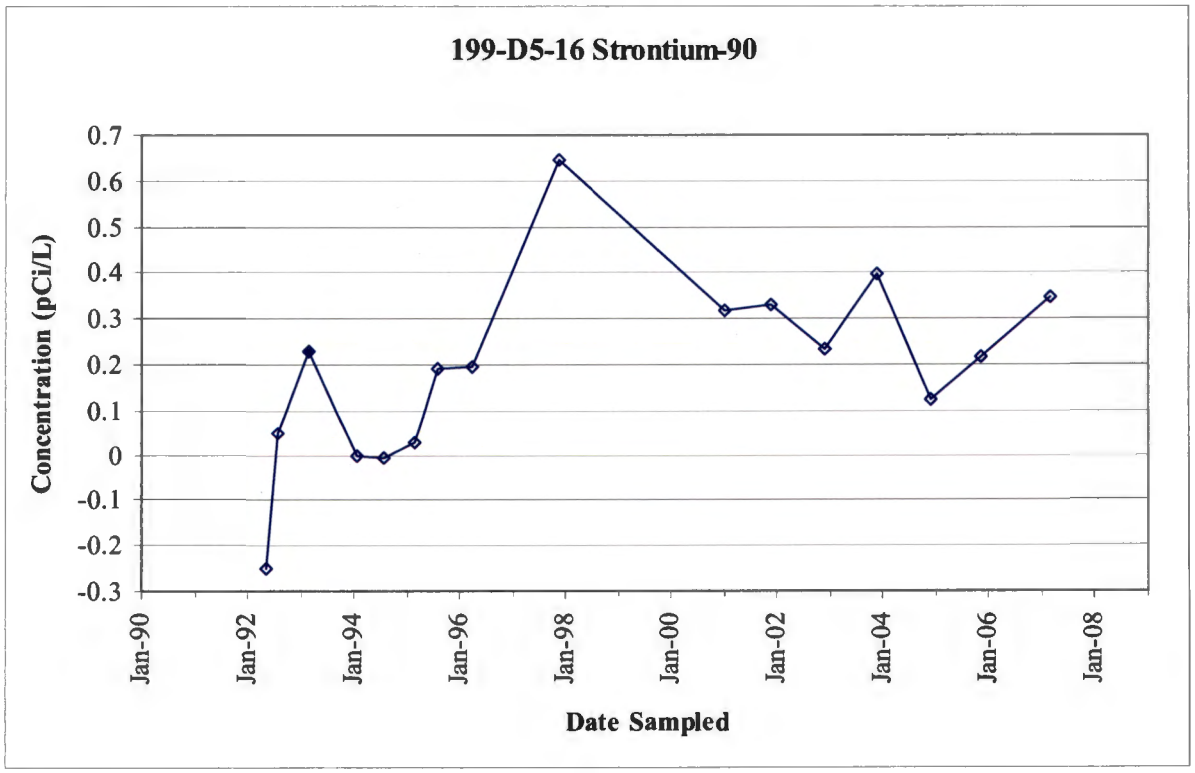

699-97-48C Nitrate
Concentration (mg/L)
3.5
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

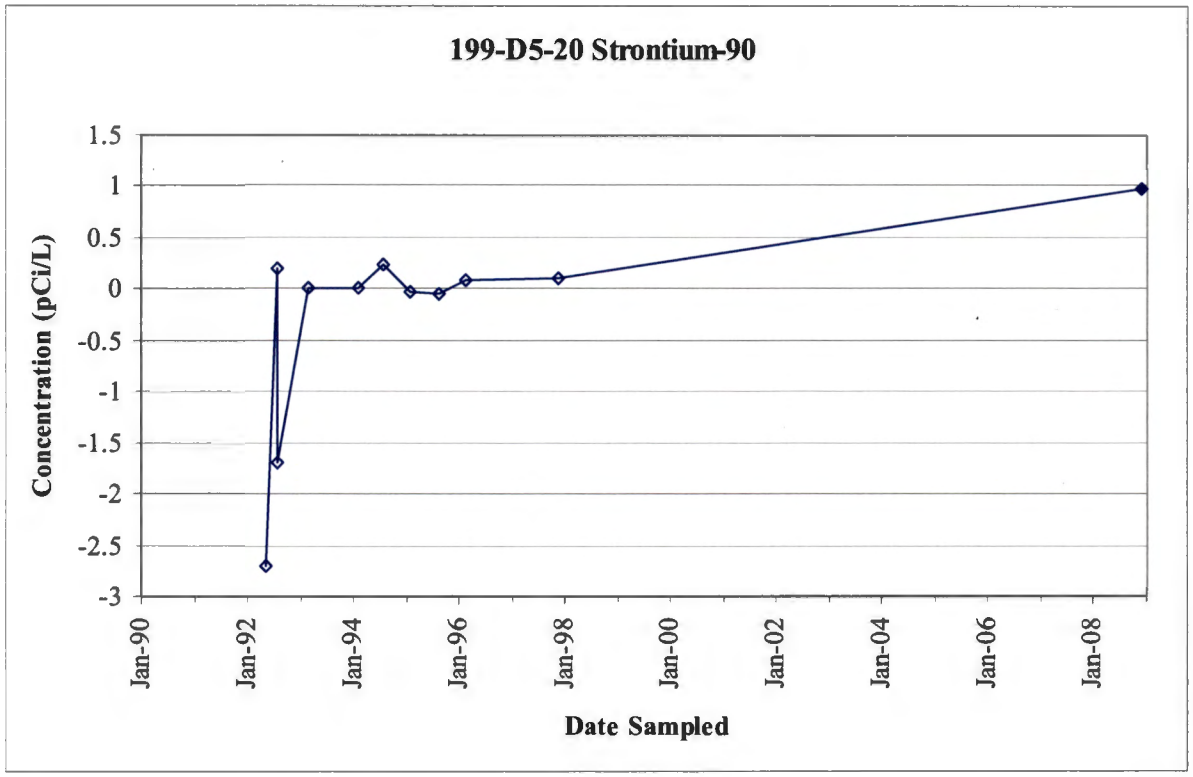

699-97-51A Nitrate
Concentration (mg/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

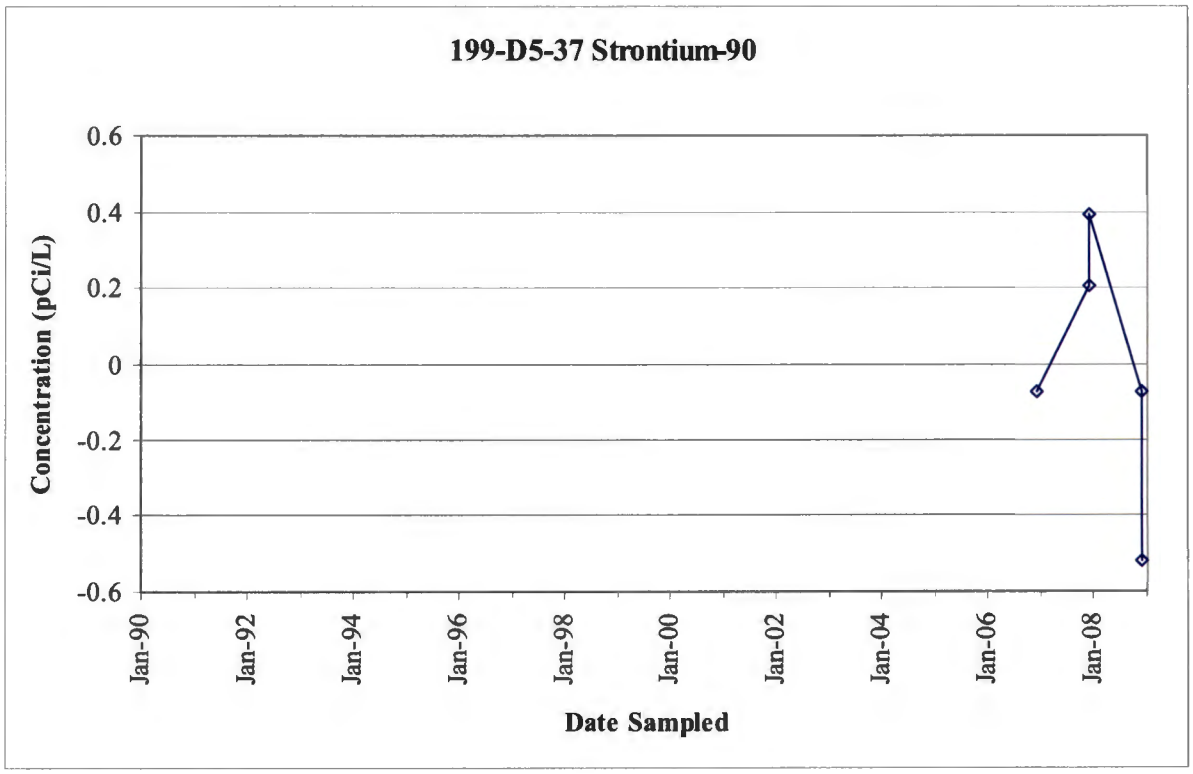

699-98-51 Nitrate
Concentration (mg/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

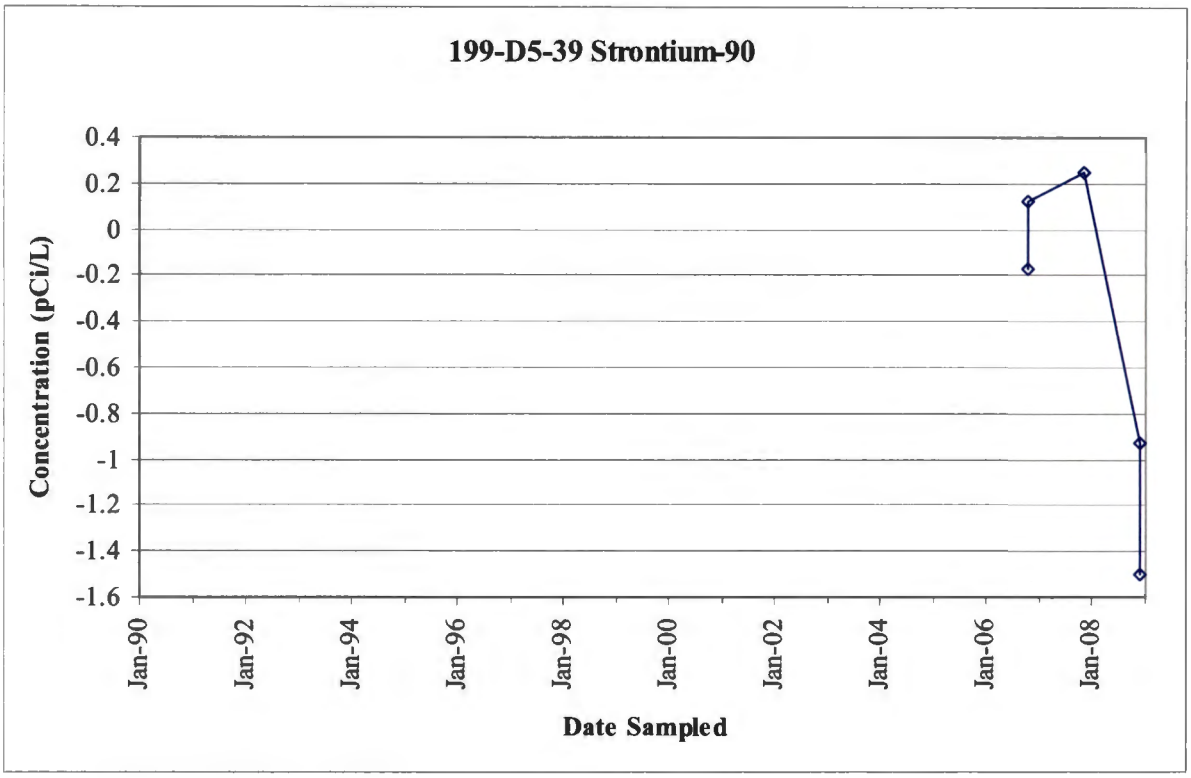

199-D5-14 Strontium-90
Concentration (pCi/L)
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

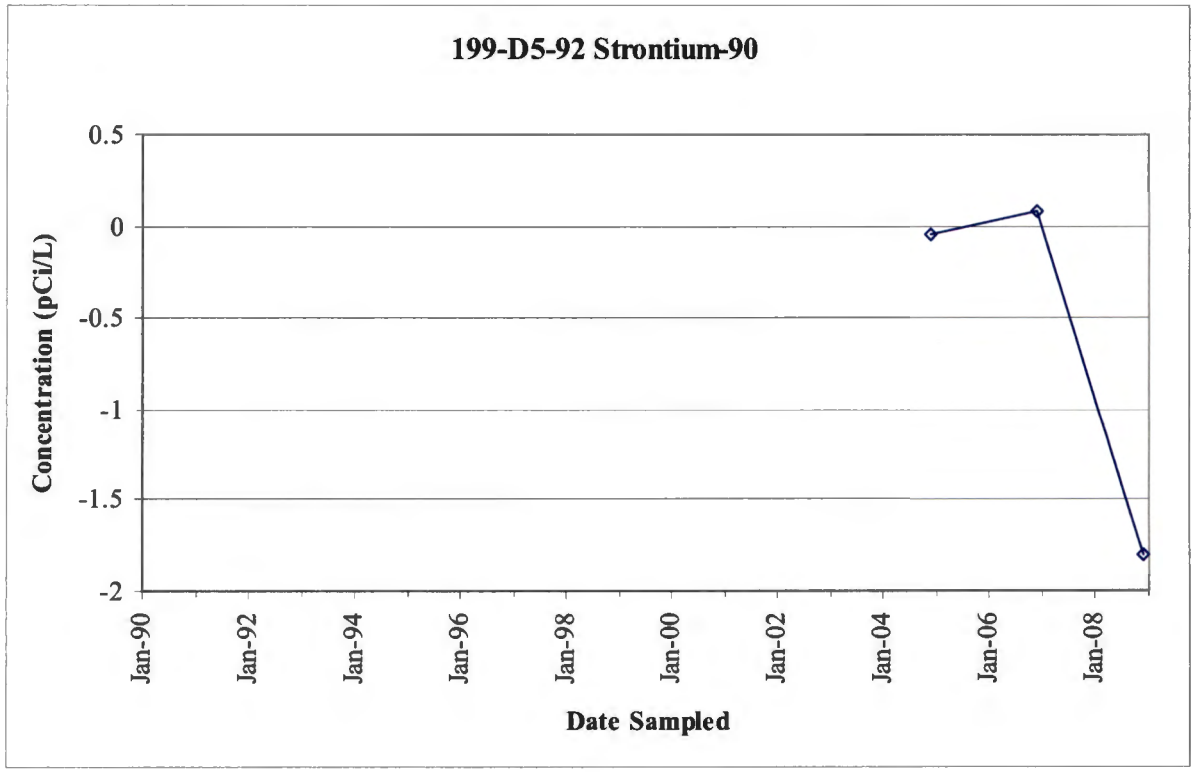

199-D5-15 Strontium-90
Concentration (pCi/L)
6
5
4
3
2
1
0
-1
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

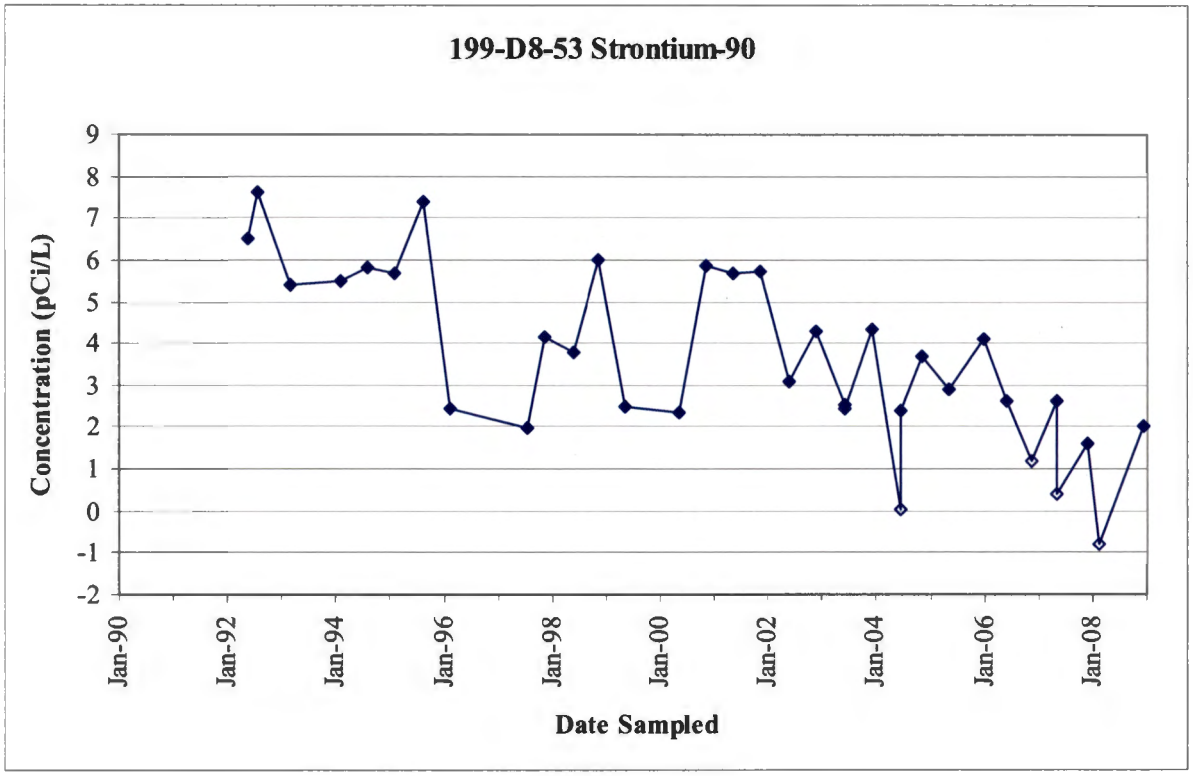

199-D5-16 Strontium-90
Concentration (pCi/L)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

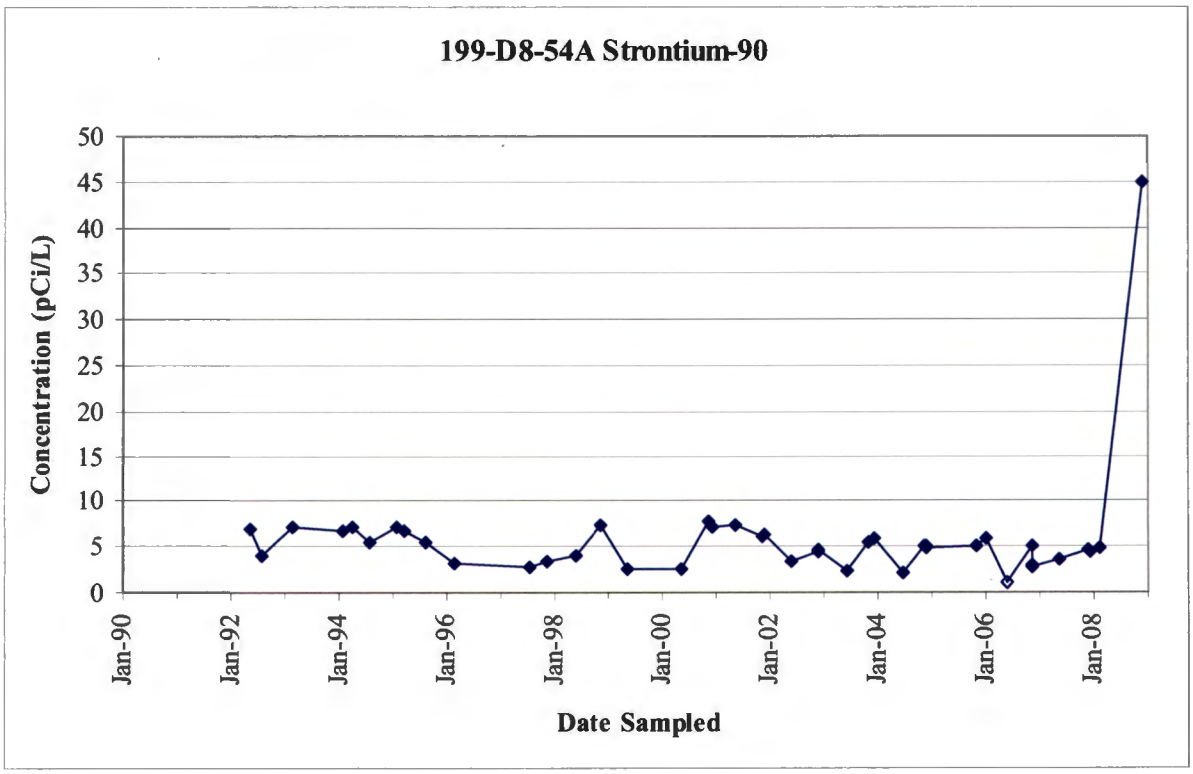

199-D5-20 Strontium-90
Concentration (pCi/L)
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

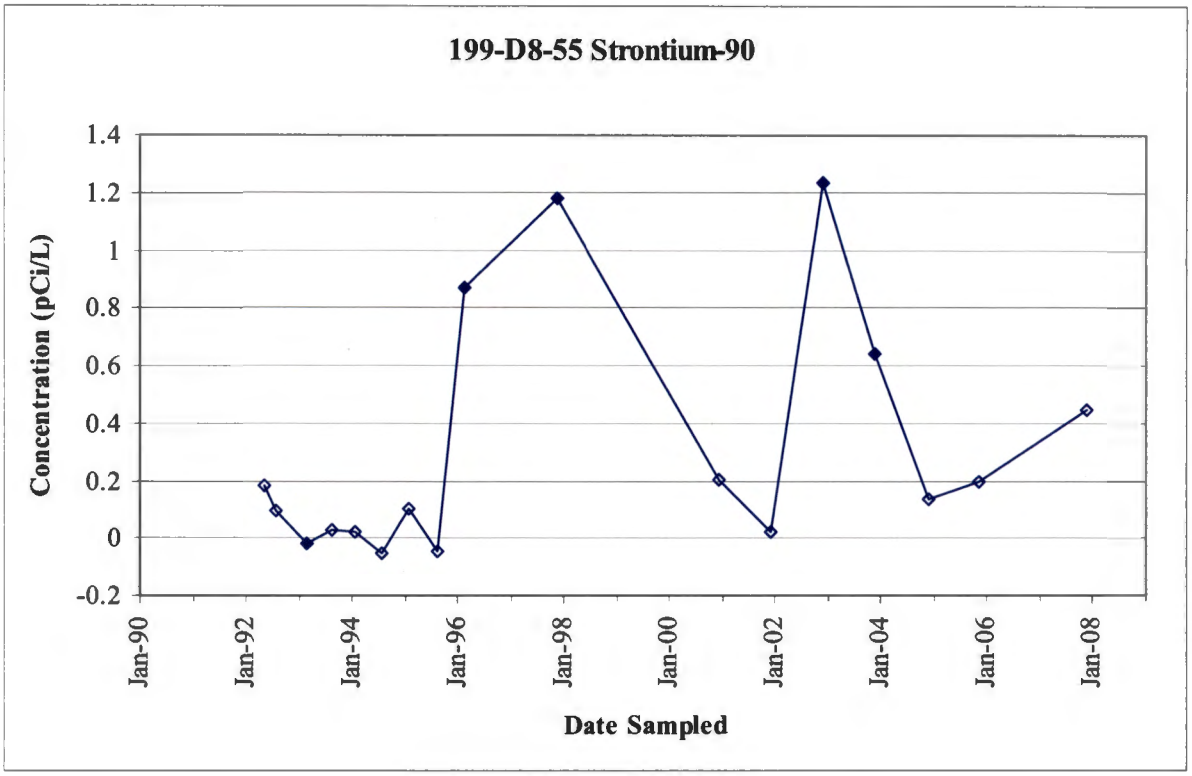

199-D5-37 Strontium-90
Concentration (pCi/L)
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

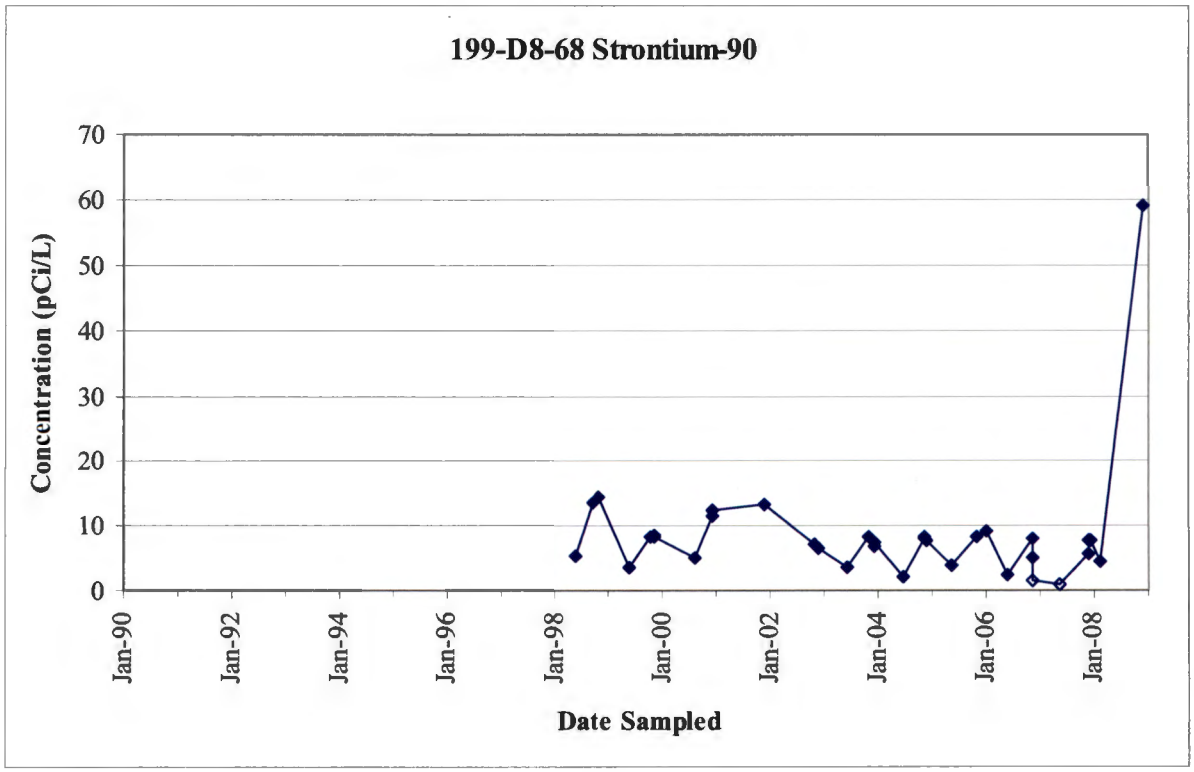

199-D5-39 Strontium-90
Concentration (pCi/L)
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

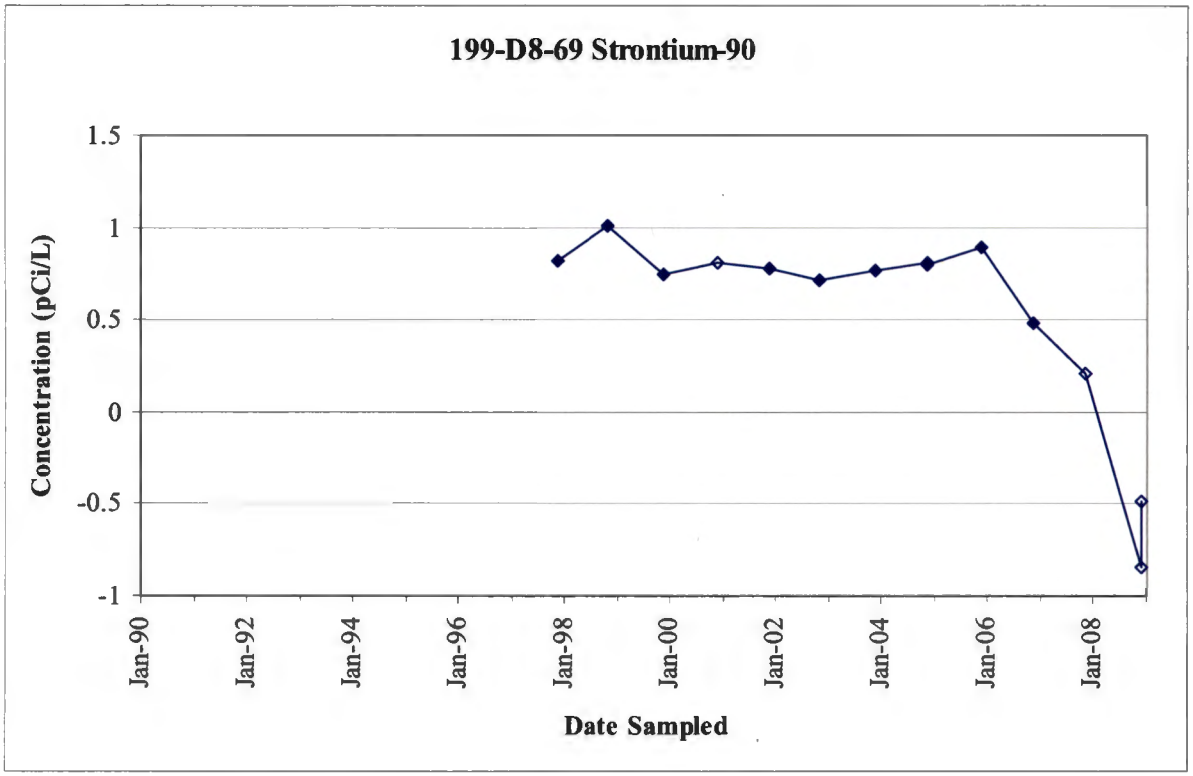

199-D5-92 Strontium-90
Concentration (pCi/L)
0.5
0
-0.5
-1
-1.5
-2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

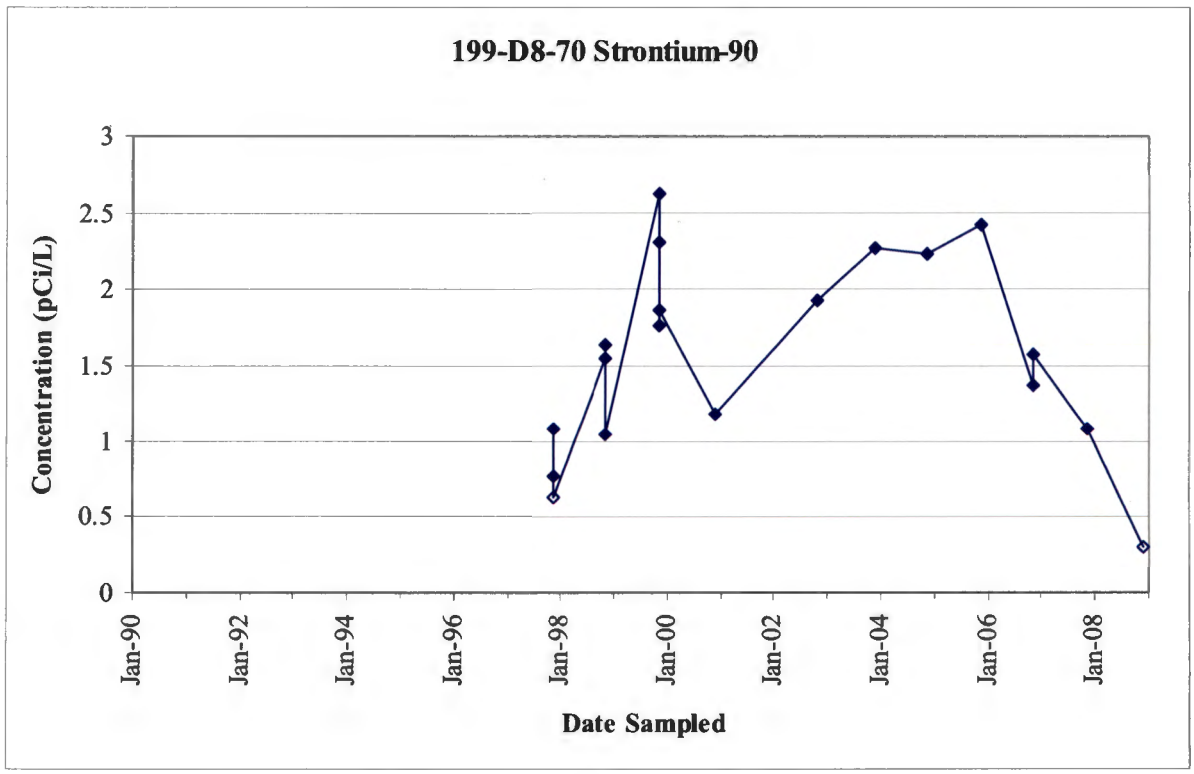

199-D8-53 Strontium-90
Concentration (pCi/L)
9
8
7
6
5
4
3
2
1
0
-1
-2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

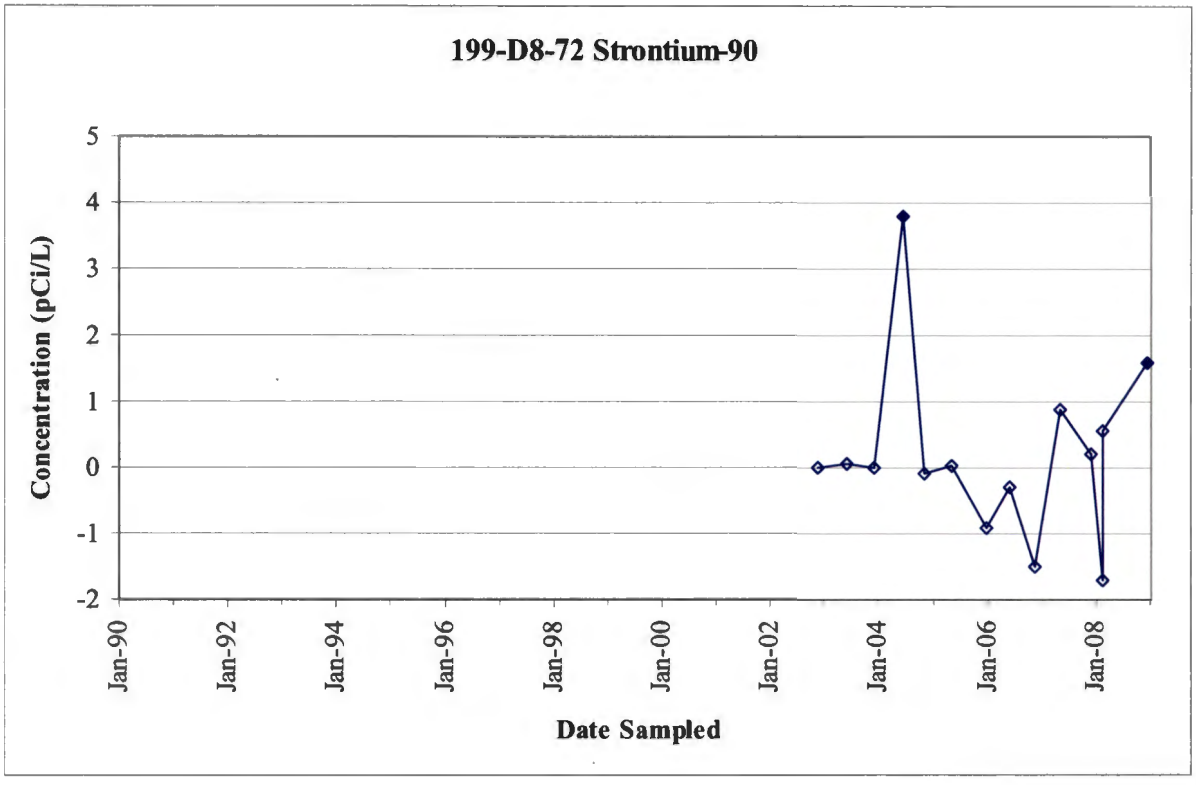

199-D8-54A Strontium-90
Concentration (pCi/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

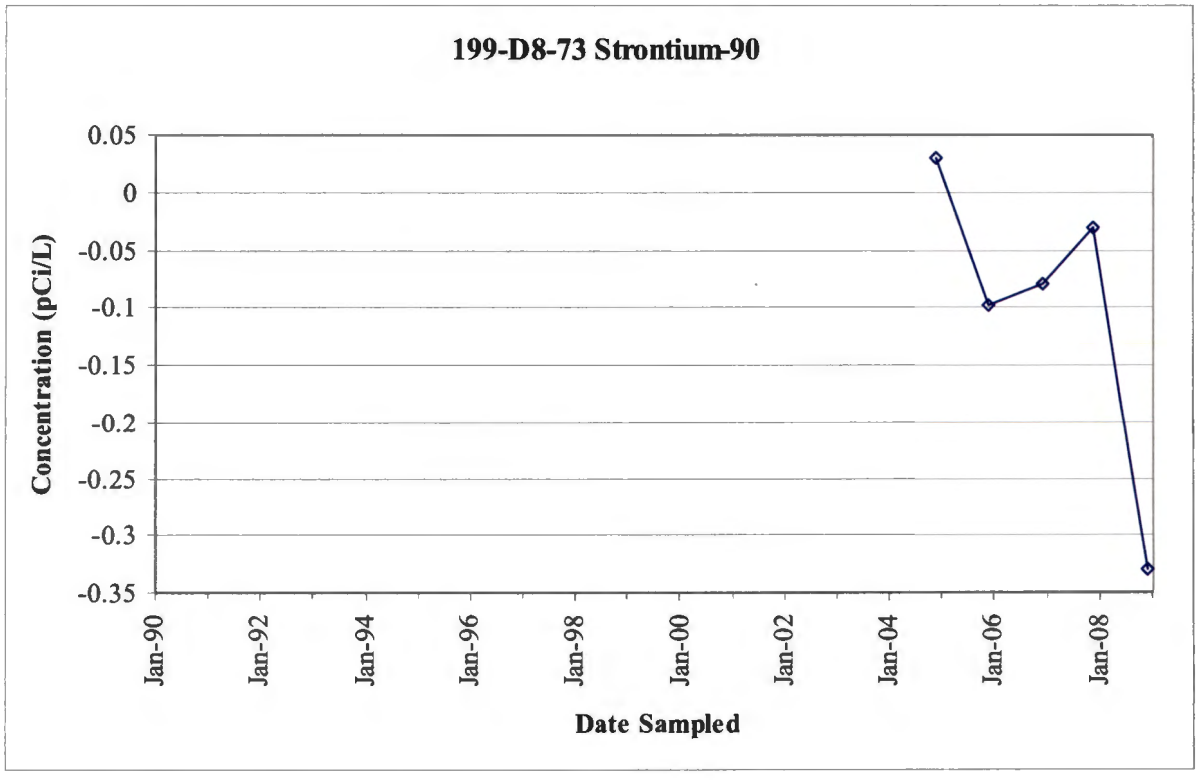

199-D8-55 Strontium-90
Concentration (pCi/L)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

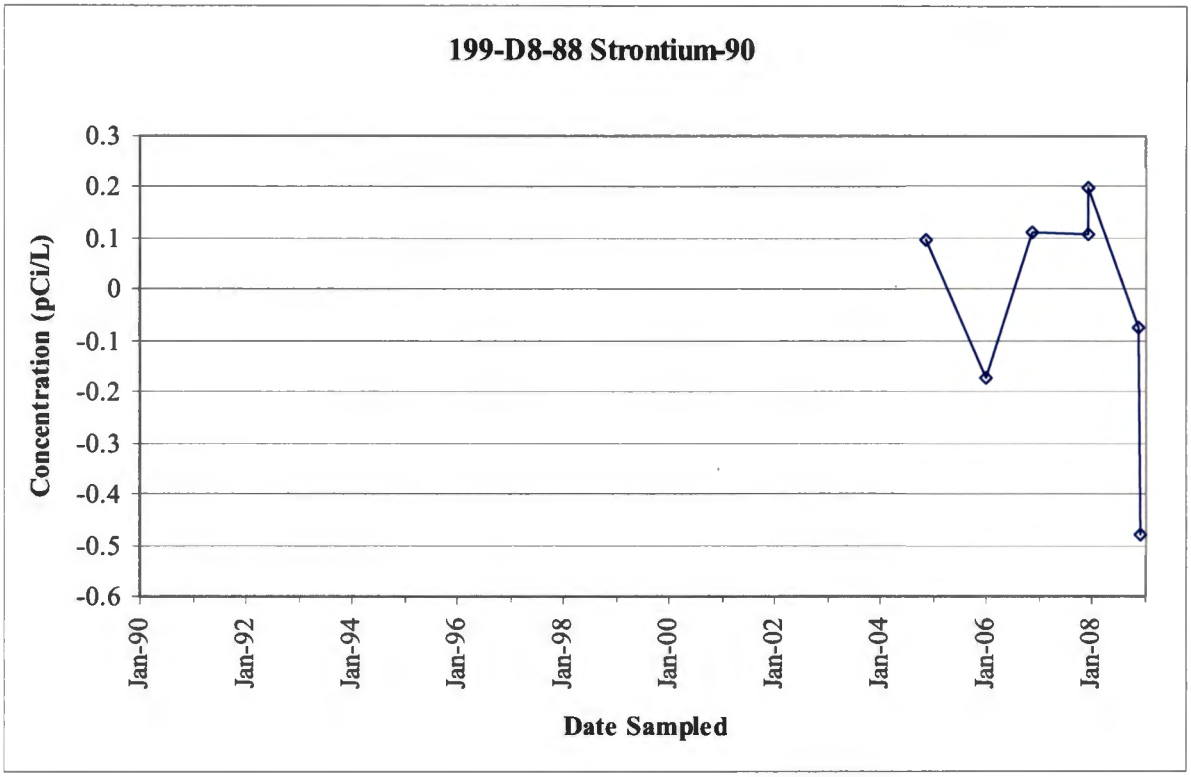

199-D8-68 Strontium-90
Concentration (pCi/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

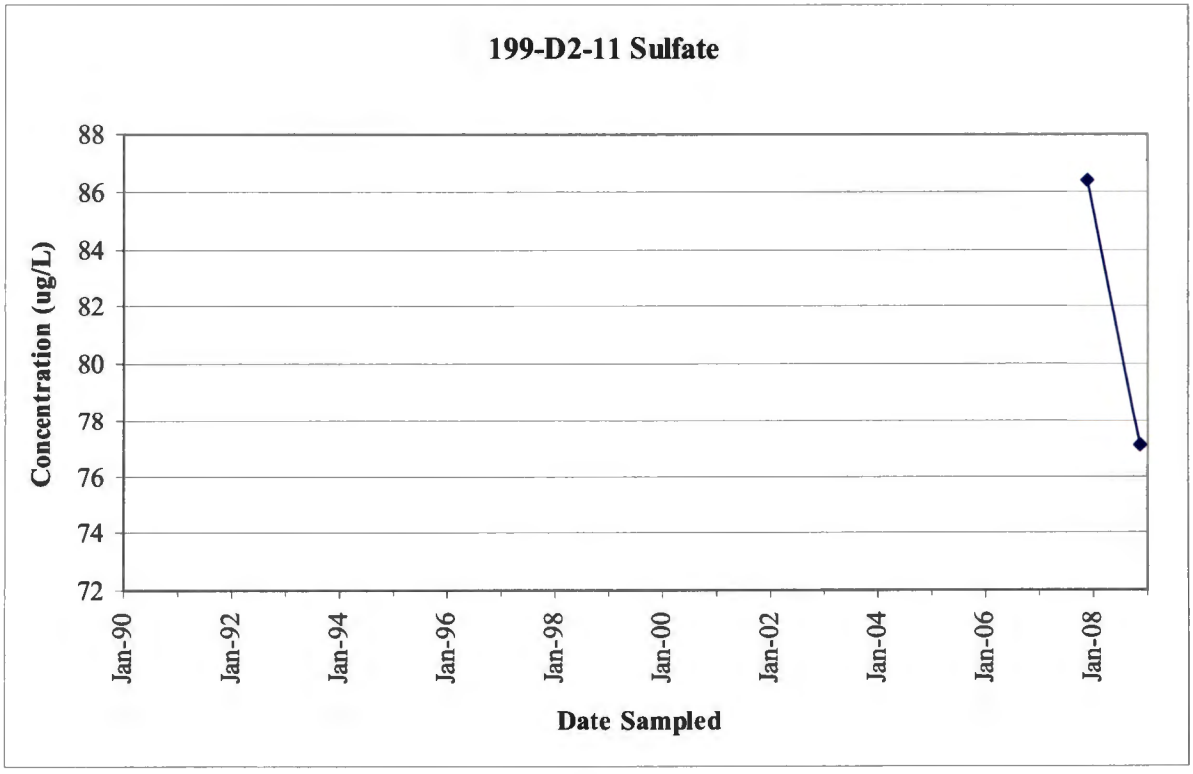

199-D8-69 Strontium-90
Concentration (pCi/L)
1.5
1
0.5
0
-0.5
-1
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

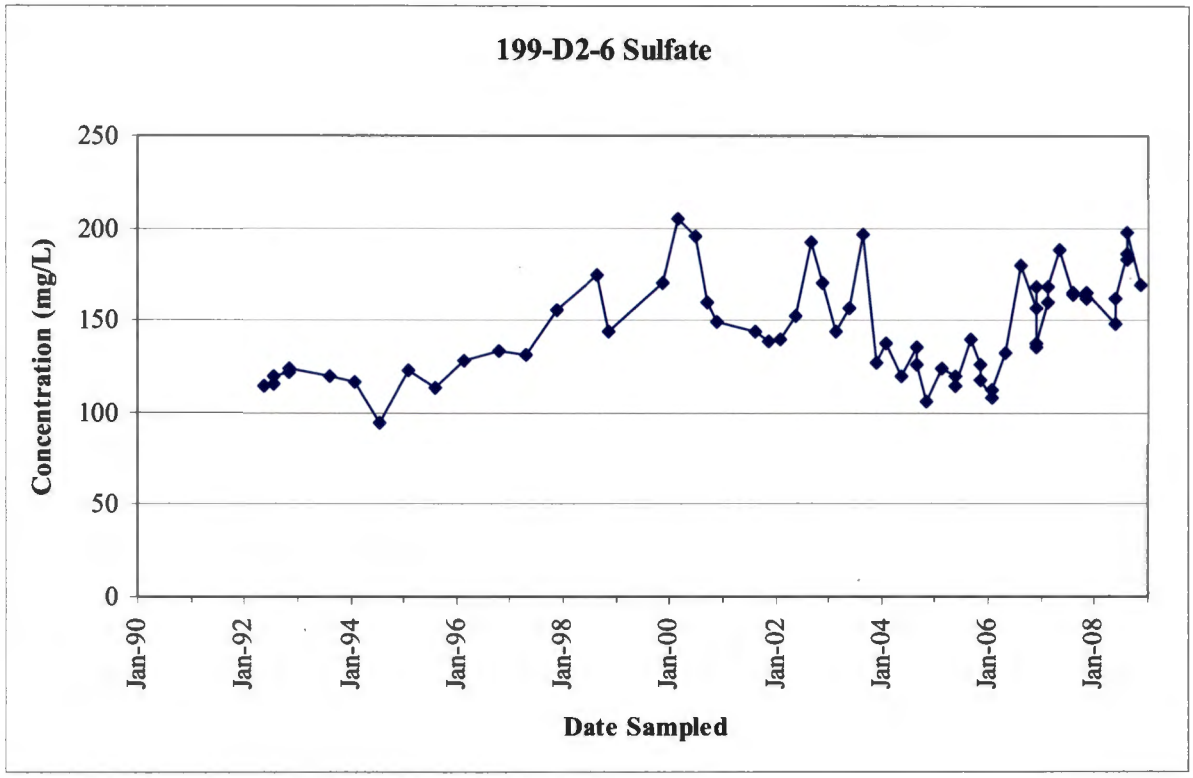

199-D8-70 Strontium-90
Concentration (pCi/L)
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

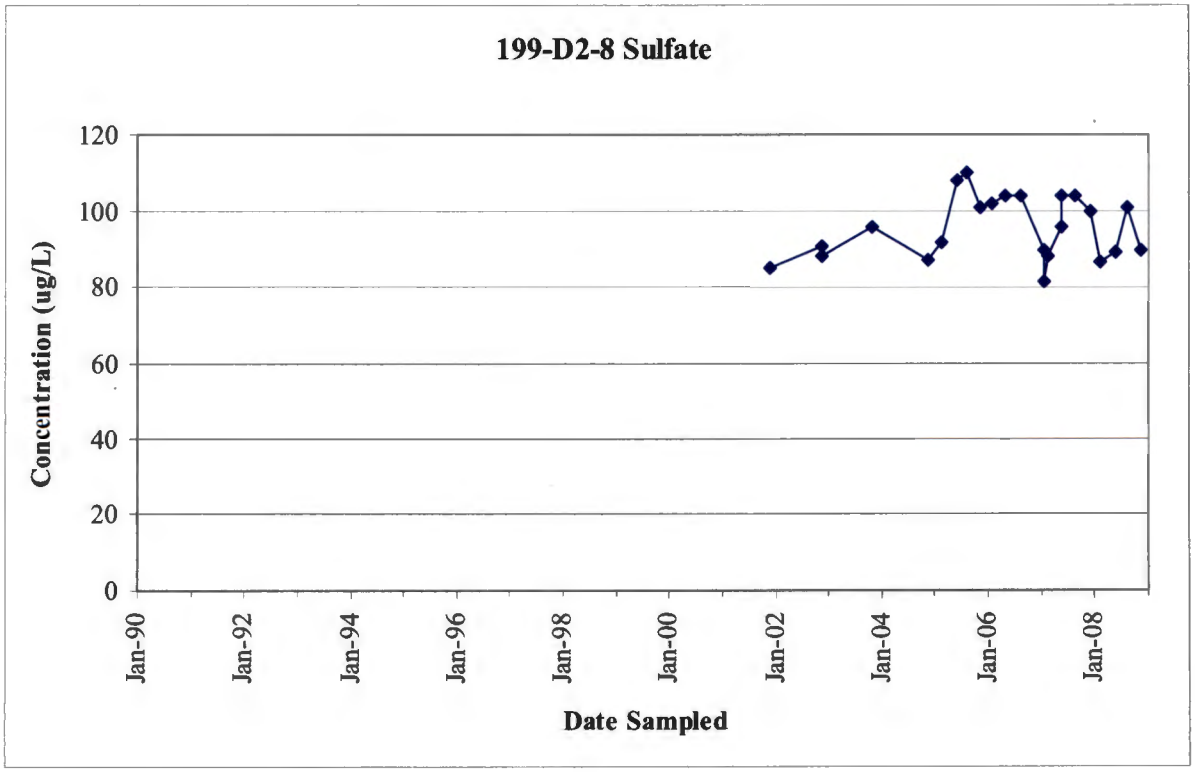

199-D8-72 Strontium-90
Concentration (pCi/L)
5
4
3
2
1
0
-1
-2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

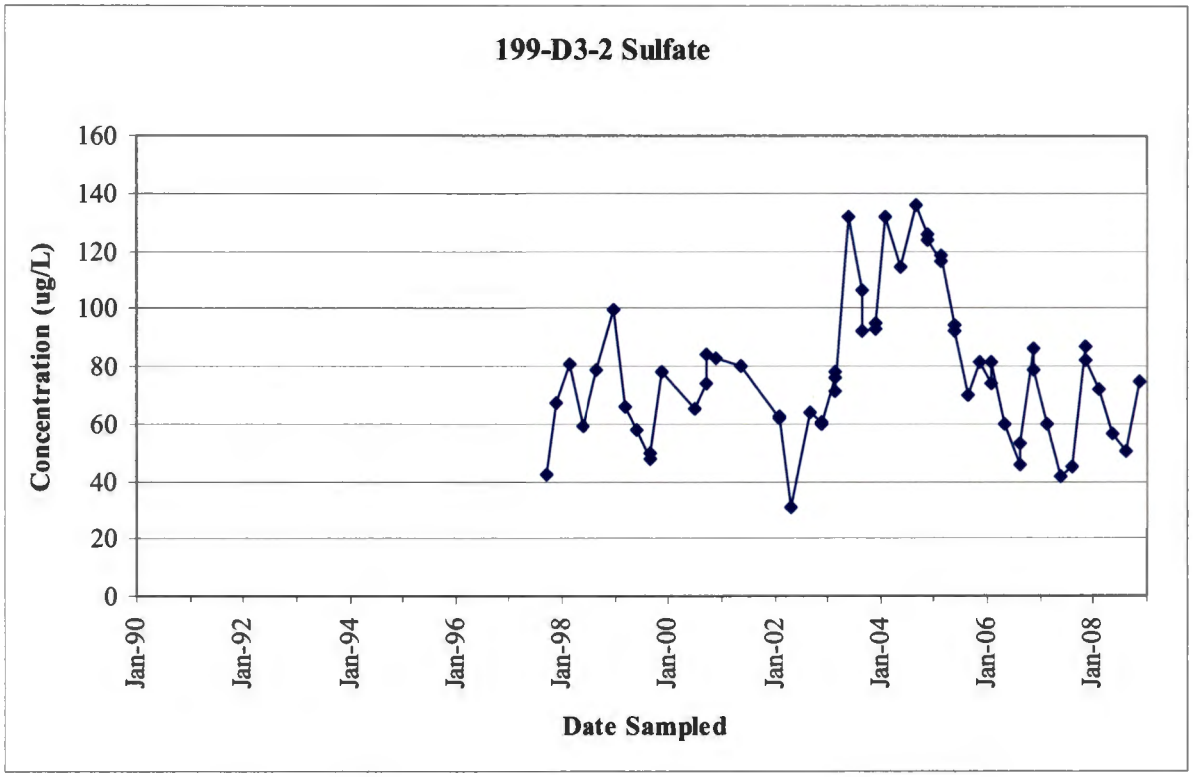

199-D8-73 Strontium-90
Concentration (pCi/L)
0.05
0
-0.05
-0.1
-0.15
-0.2
-0.25
-0.3
-0.35
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

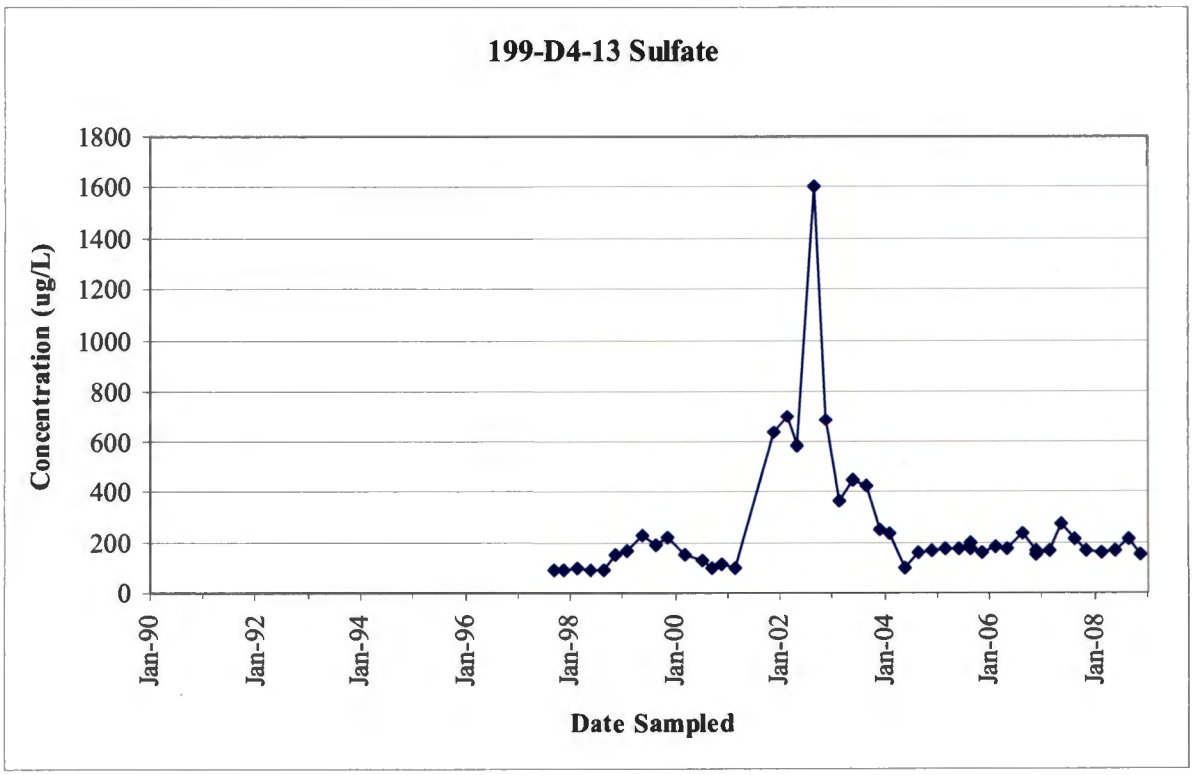

199-D8-88 Strontium-90
Concentration (pCi/L)
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

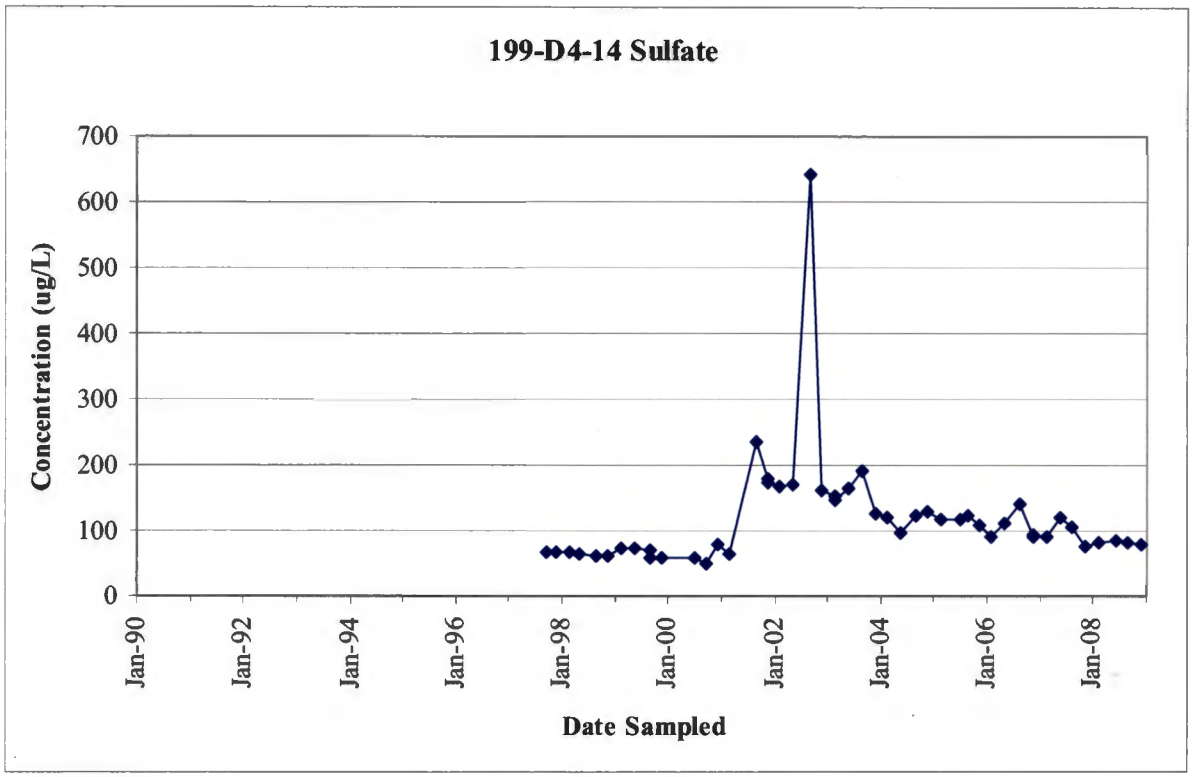

199-D2-11 Sulfate
Concentration (ug/L)
88
86
84
82
80
78
76
74
72
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

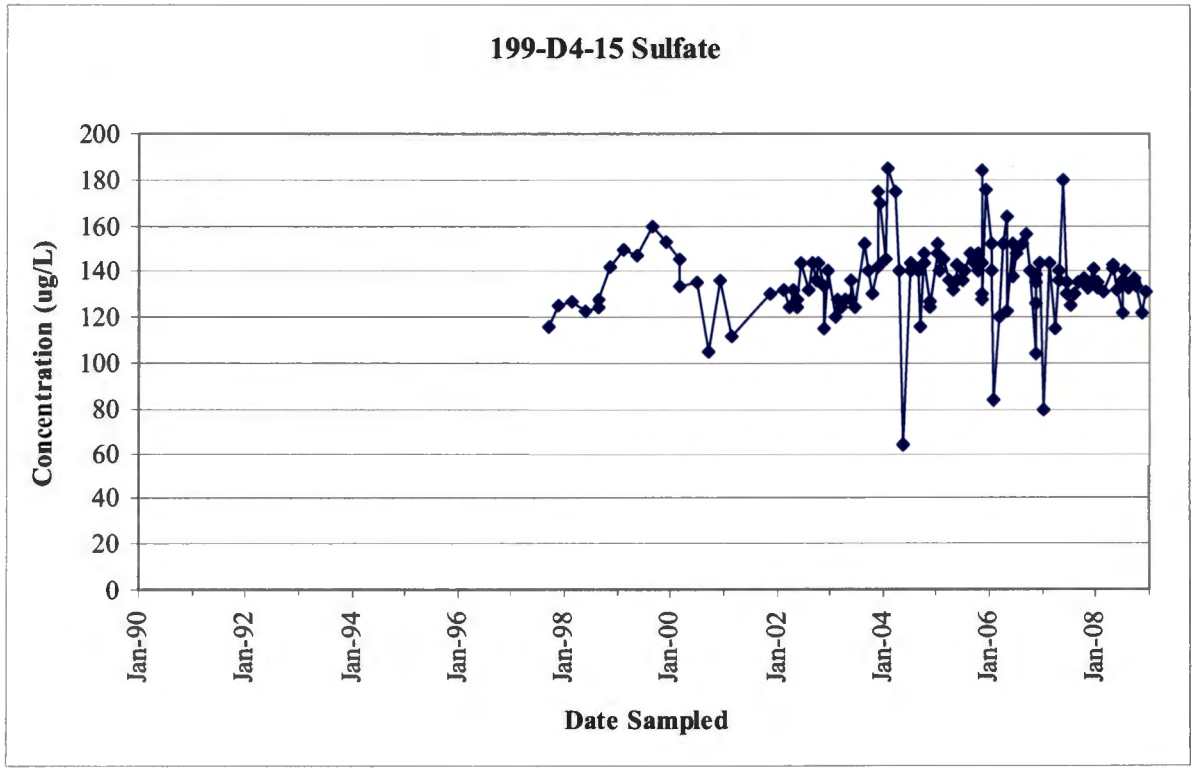

199-D2-6 Sulfate
Concentration (mg/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

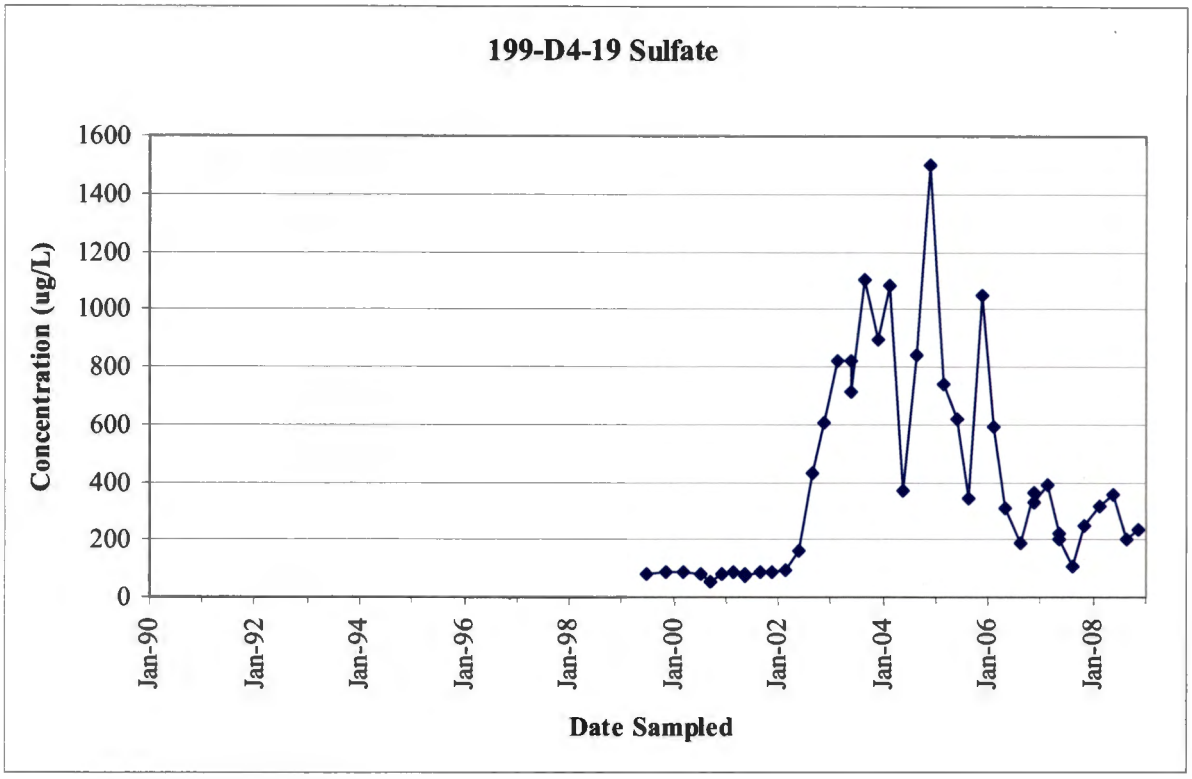

199-D2-8 Sulfate
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

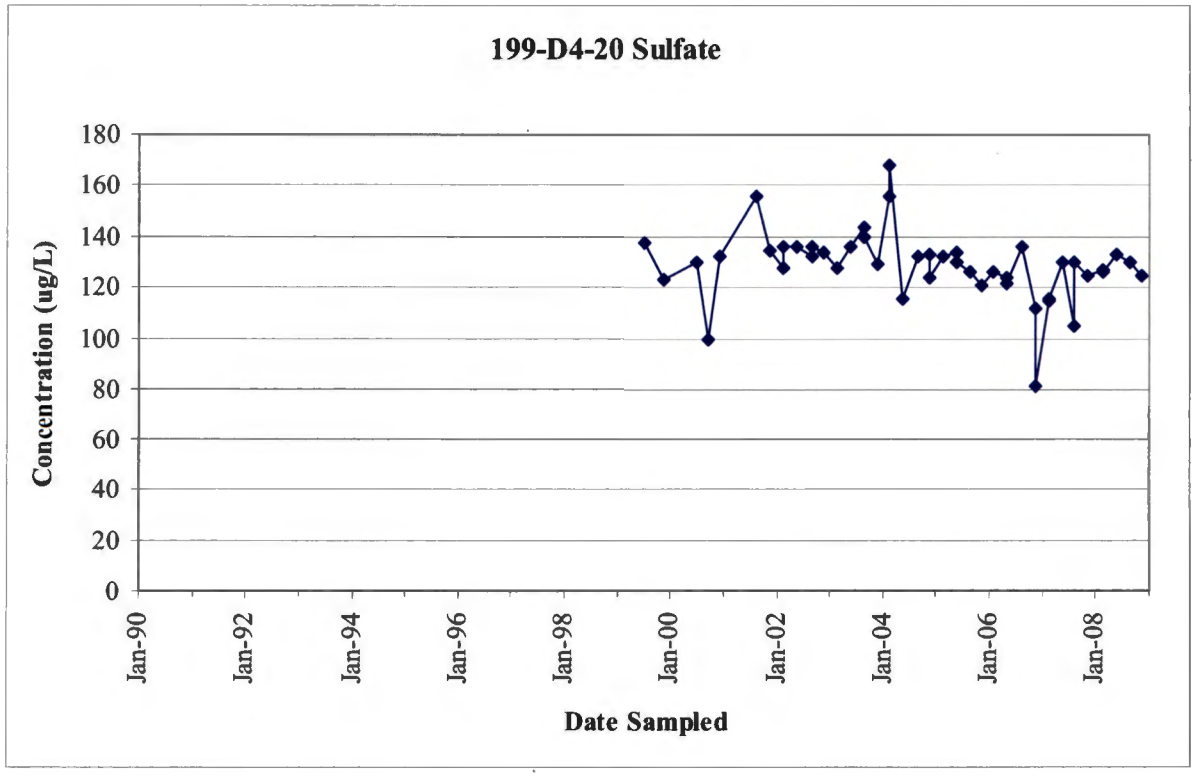

199-D3-2 Sulfate
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

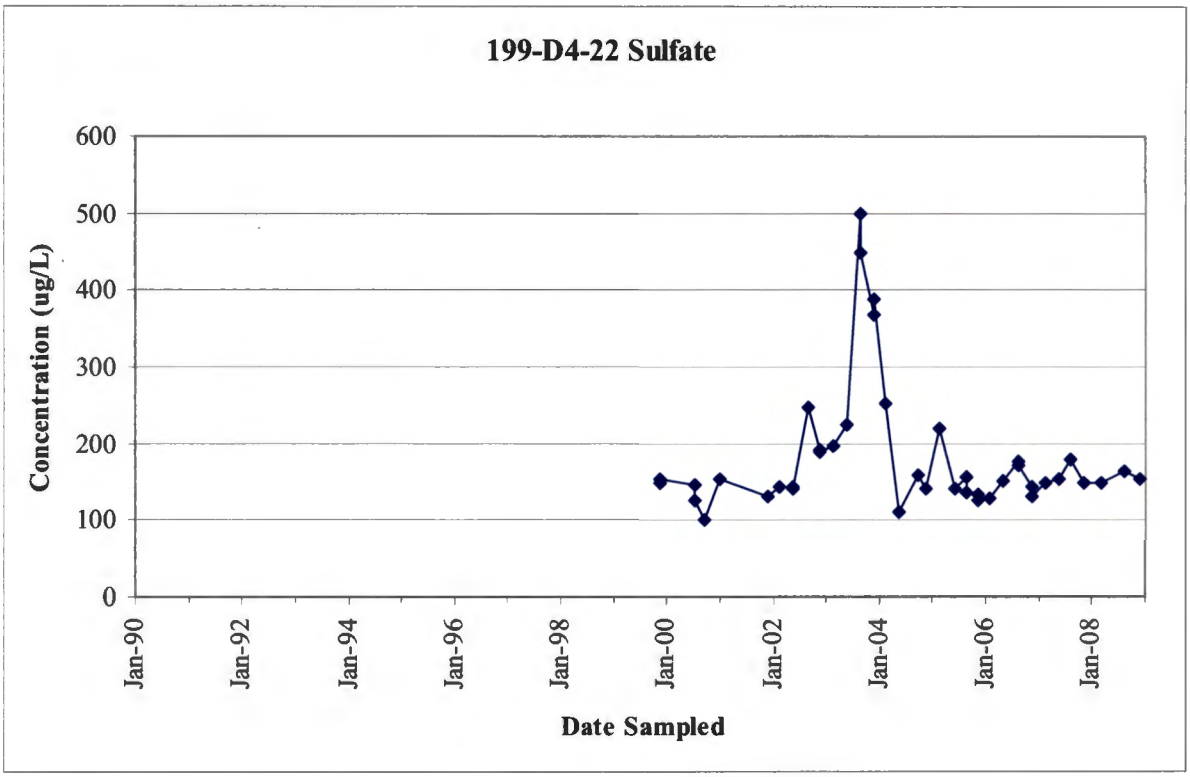

199-D4-13 Sulfate
Concentration (ug/L)
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

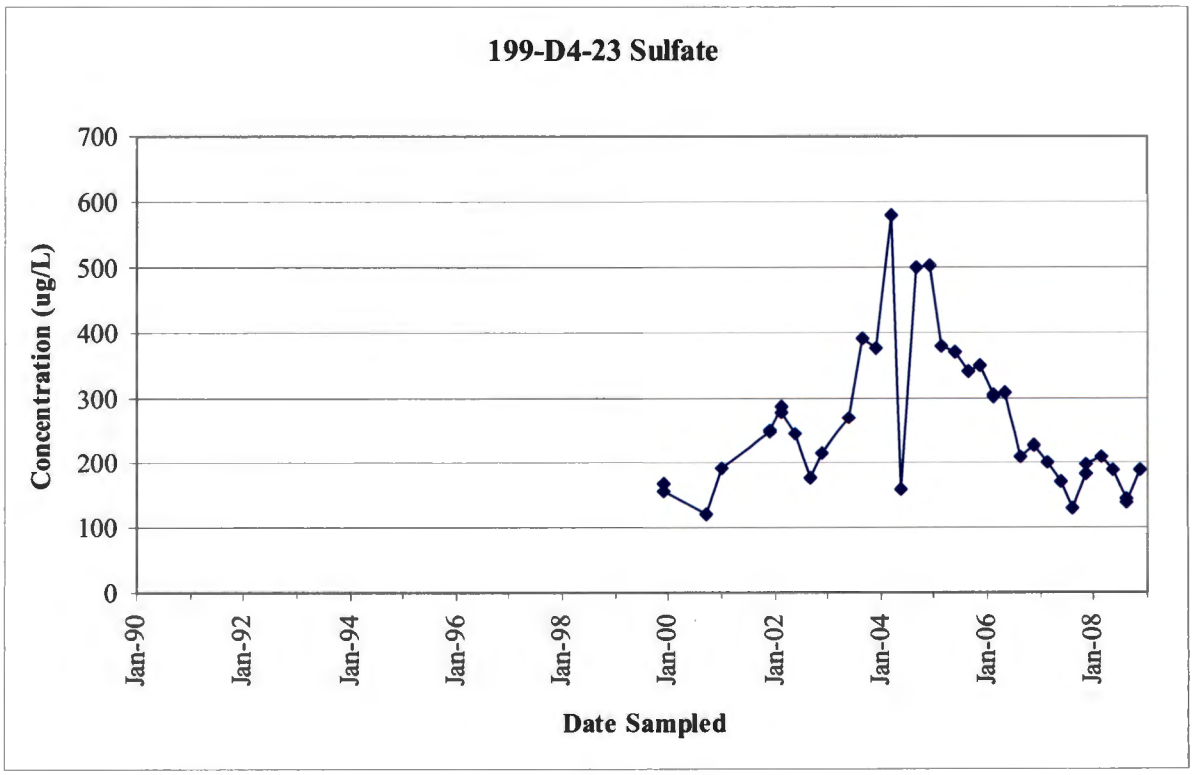

199-D4-14 Sulfate
Concentration (ug/L)
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

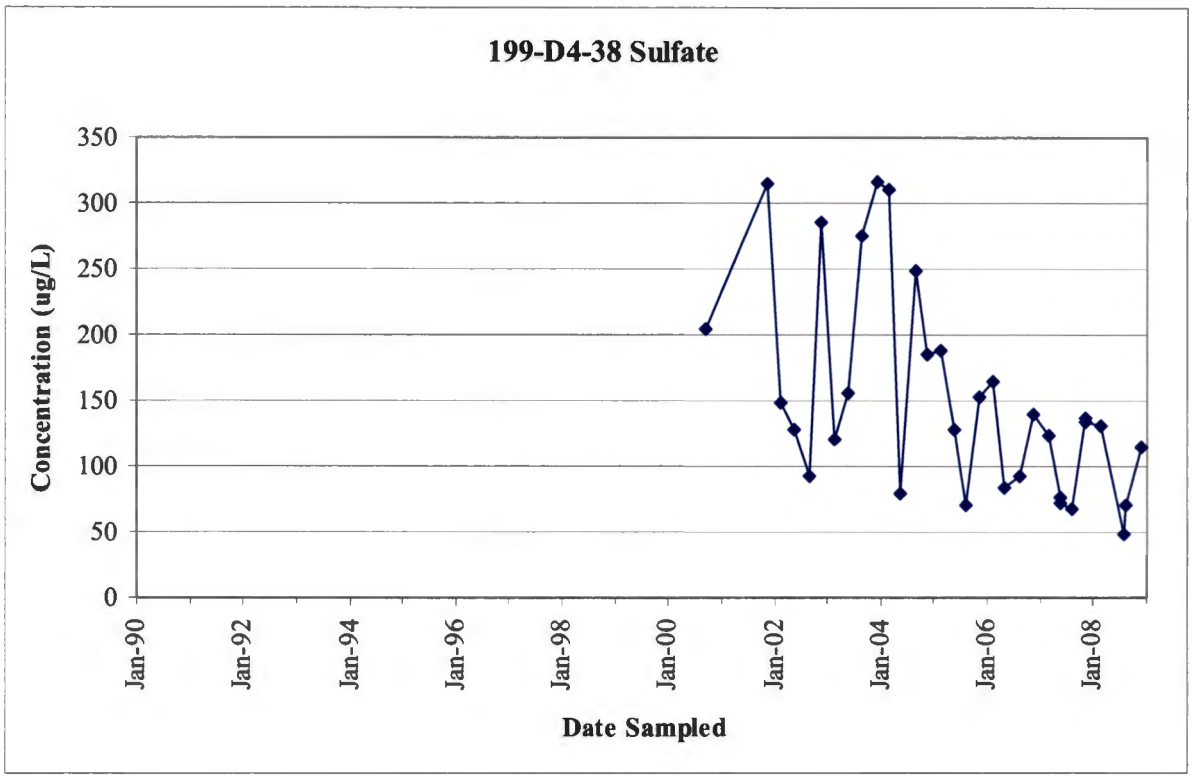

199-D4-15 Sulfate
Concentration (ug/L)
200
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

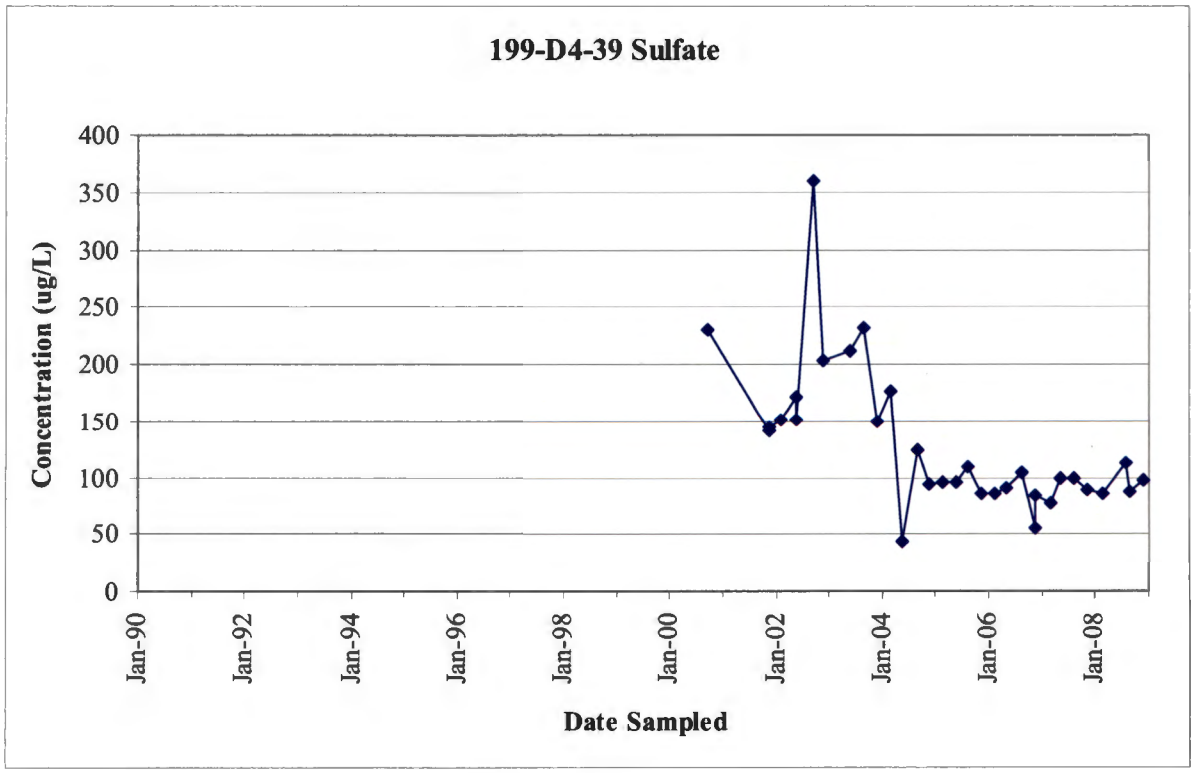

199-D4-19 Sulfate
Concentration (ug/L)
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

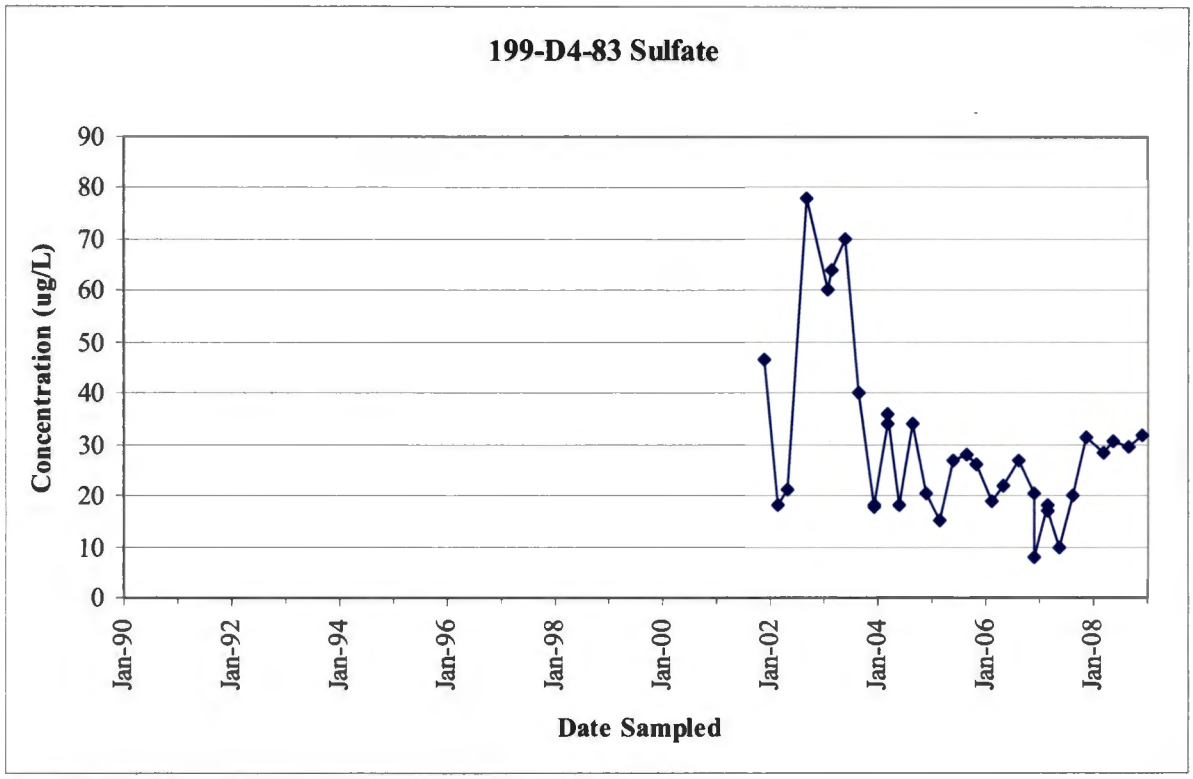

199-D4-20 Sulfate
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

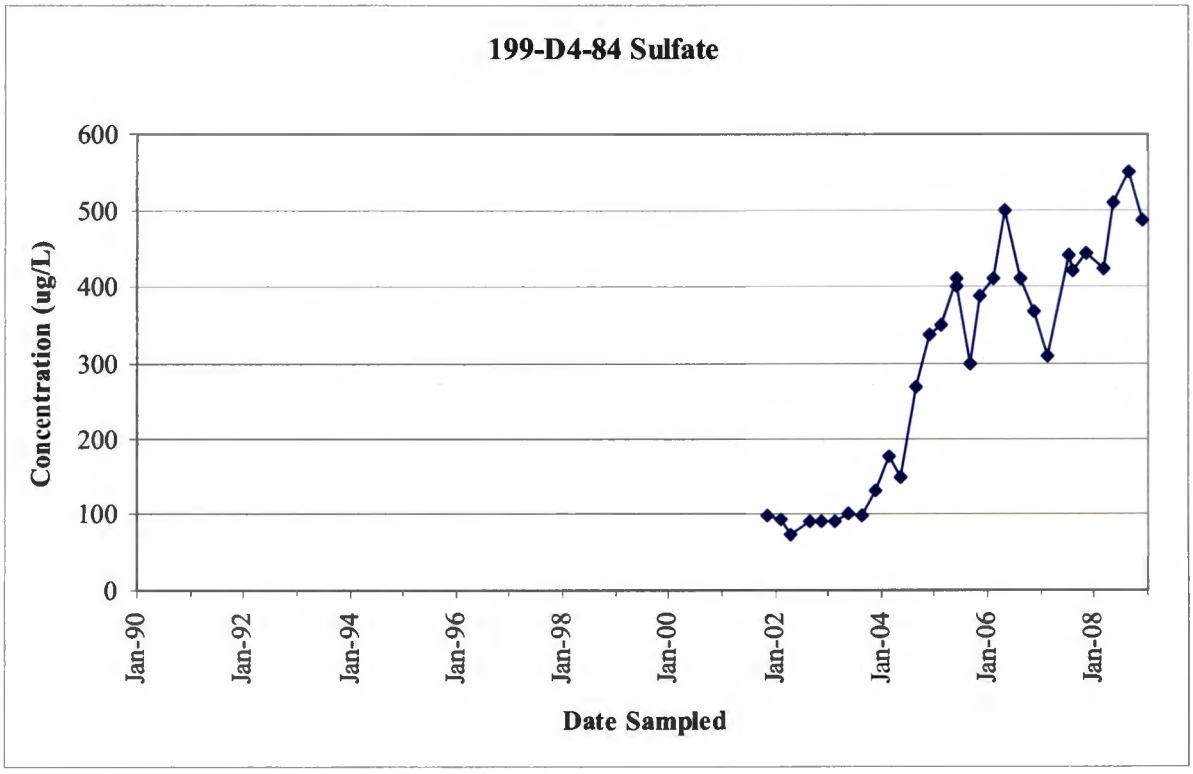

199-D4-22 Sulfate
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

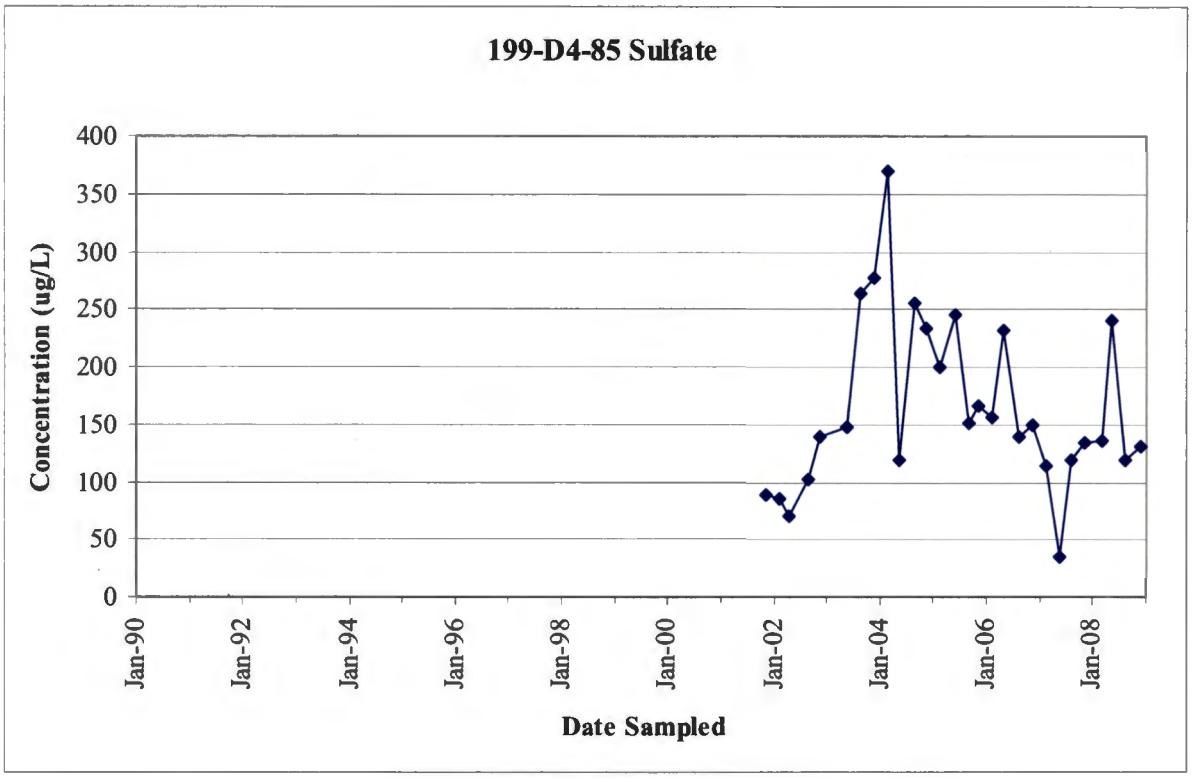

199-D4-23 Sulfate
Concentration (ug/L)
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

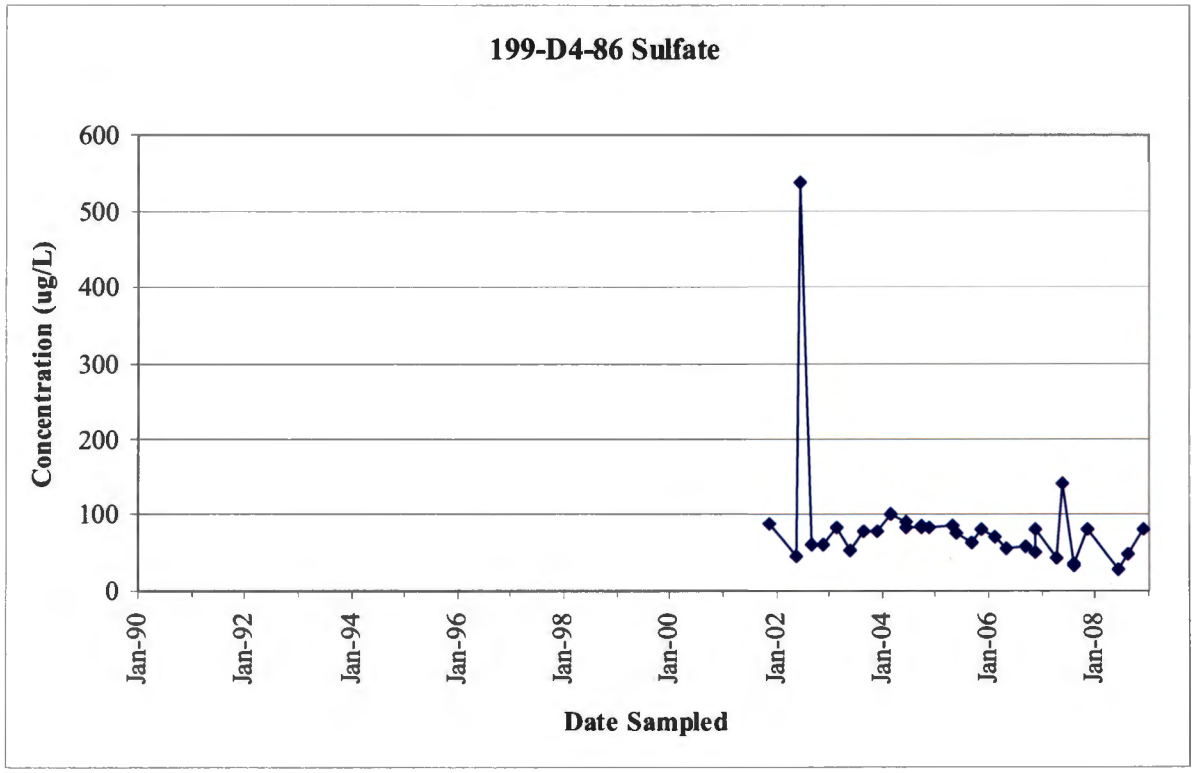

199-D4-38 Sulfate
Concentration (ug/L)
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

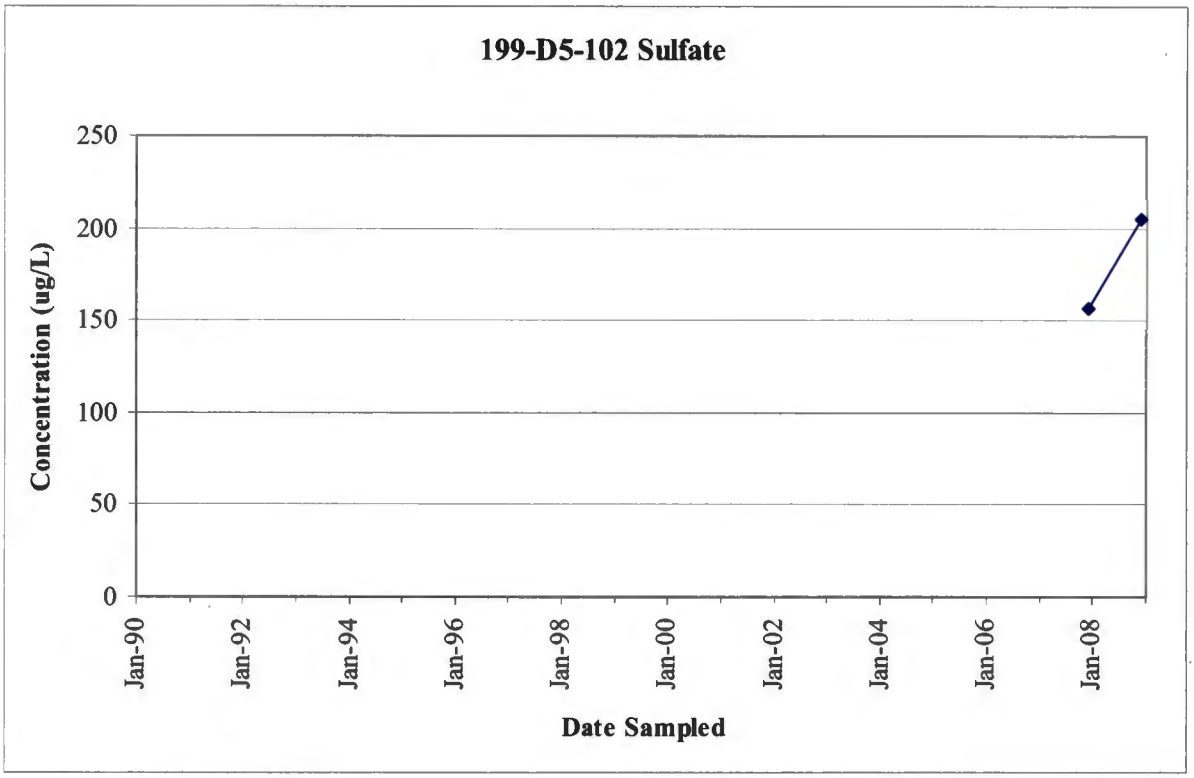

199-D4-39 Sulfate
Concentration (ug/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

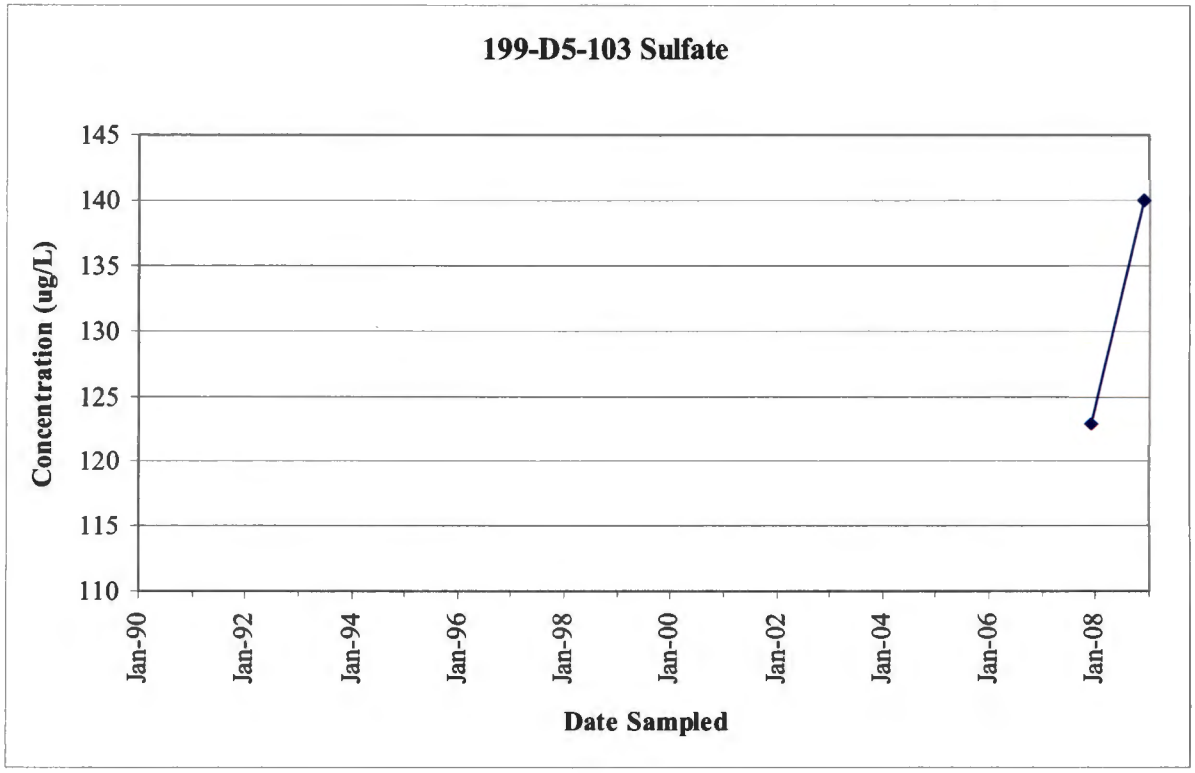

199-D4-83 Sulfate
Concentration (ug/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

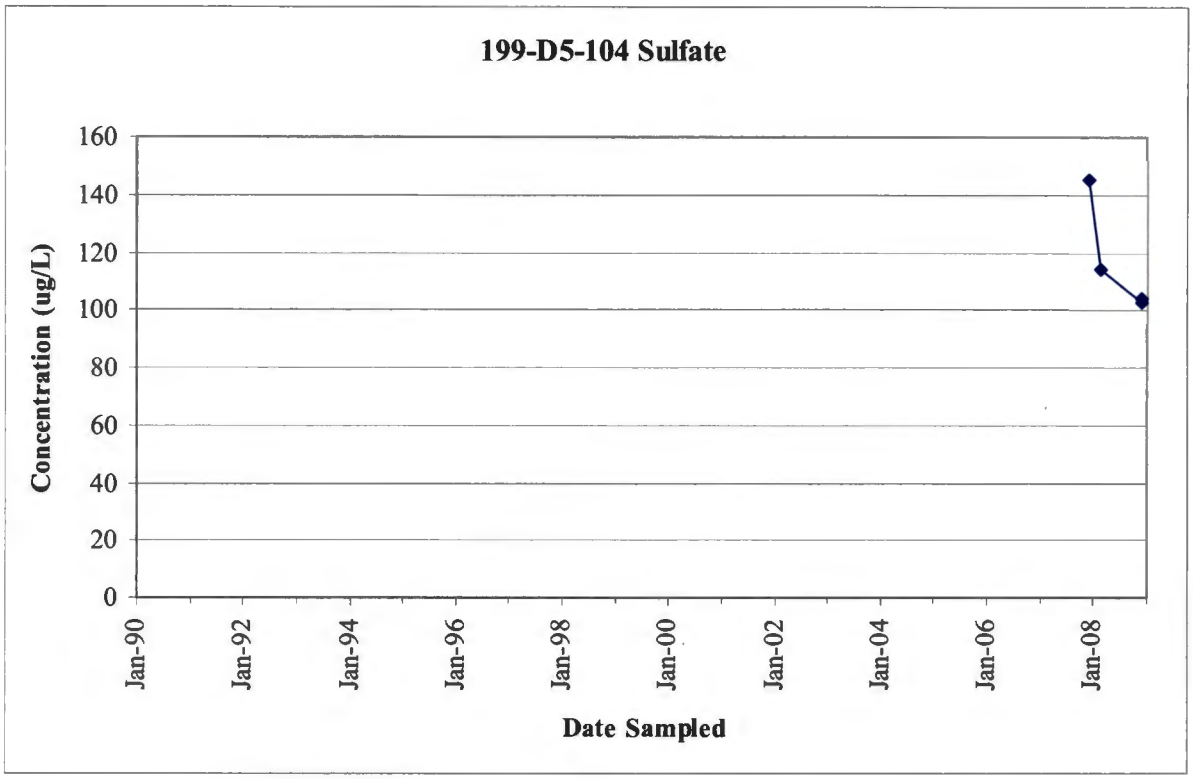

199-D4-84 Sulfate
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

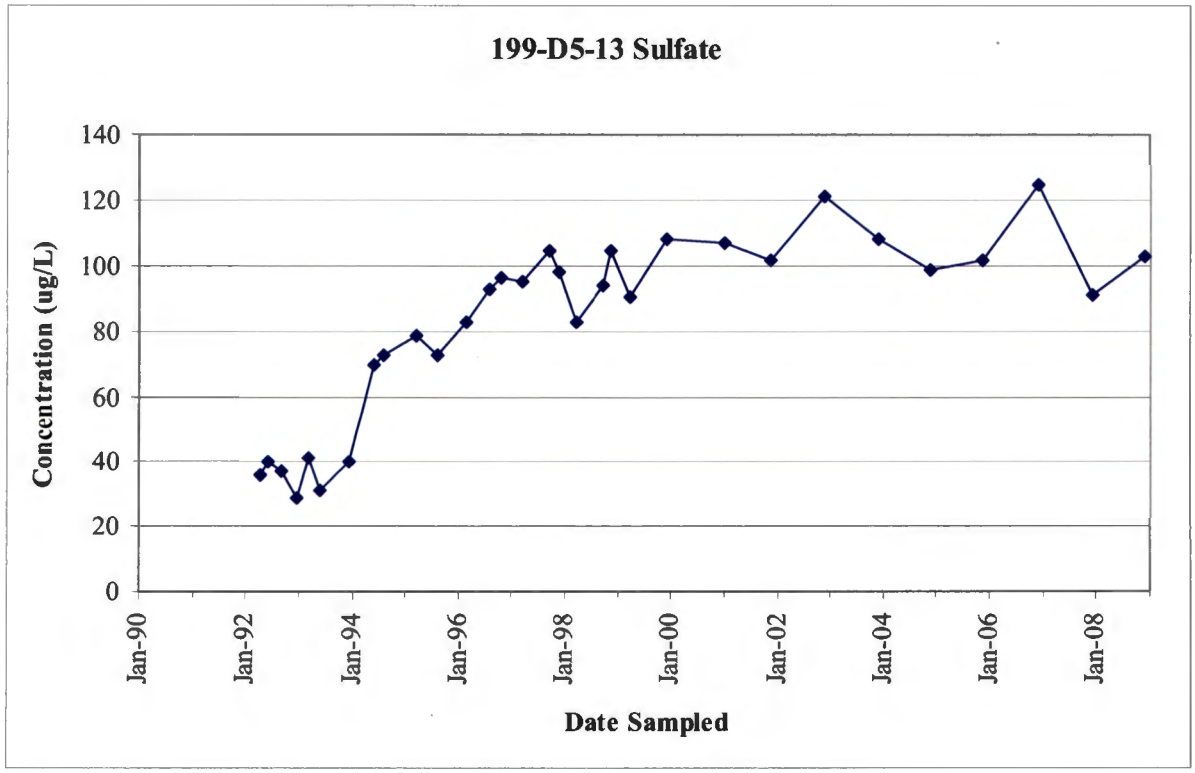

199-D4-85 Sulfate
Concentration (ug/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

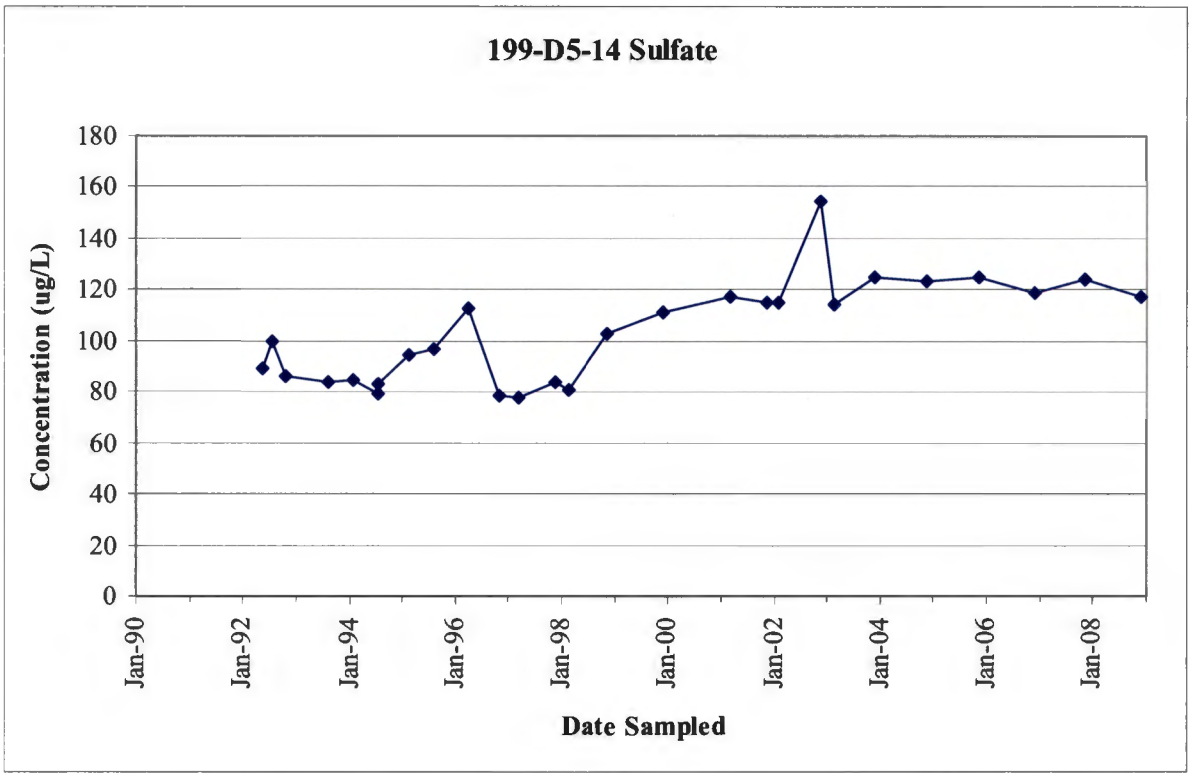

199-D4-86 Sulfate
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

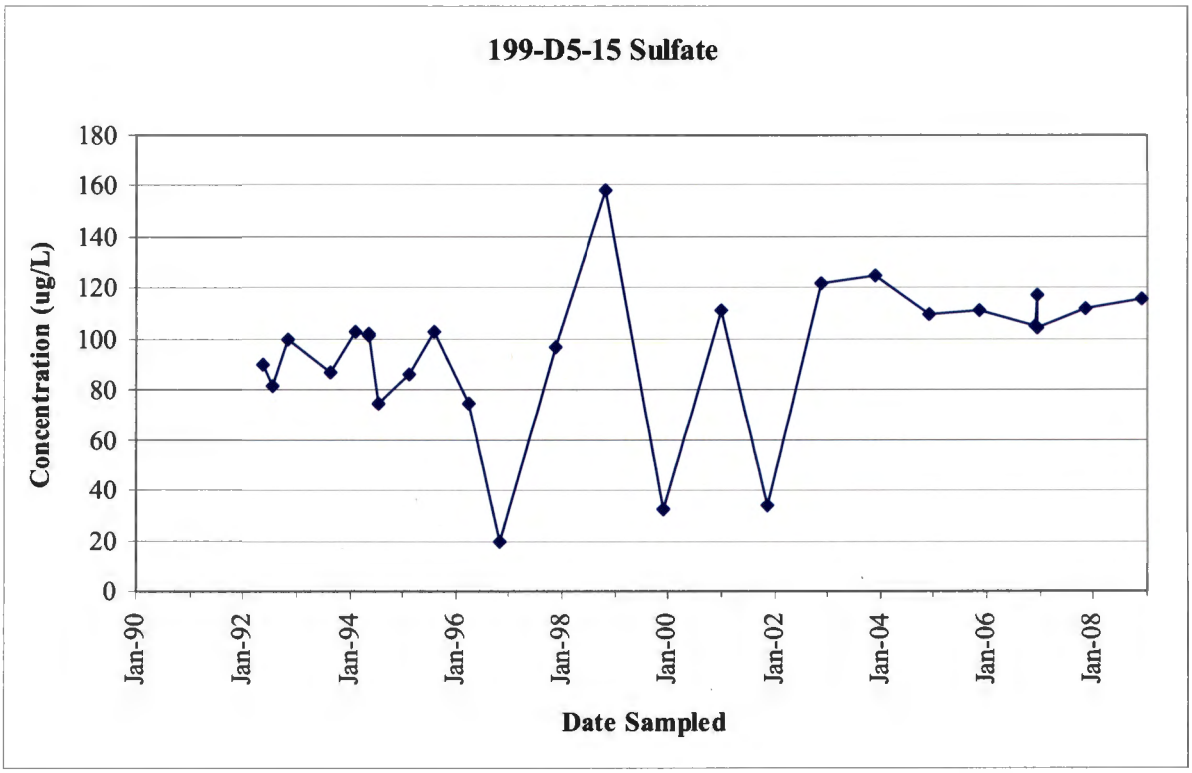

199-D5-102 Sulfate
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

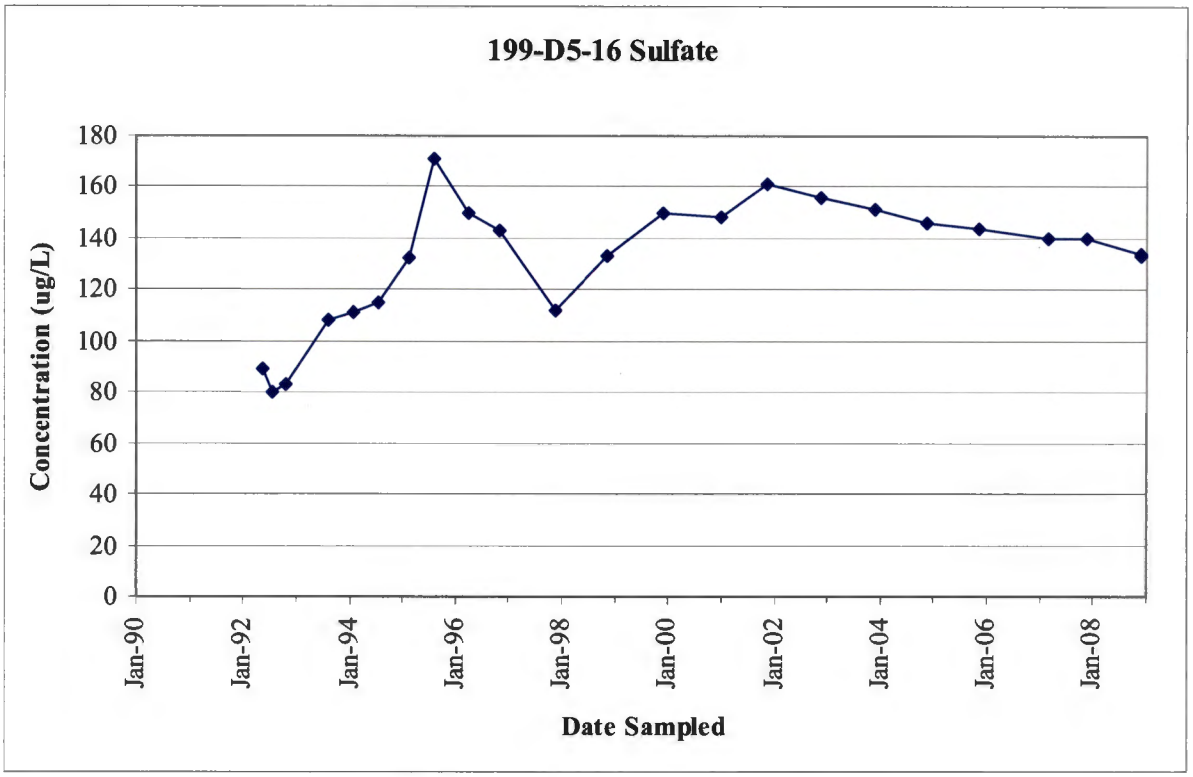

199-D5-103 Sulfate
Concentration (ug/L)
145
140
135
130
125
120
115
110
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

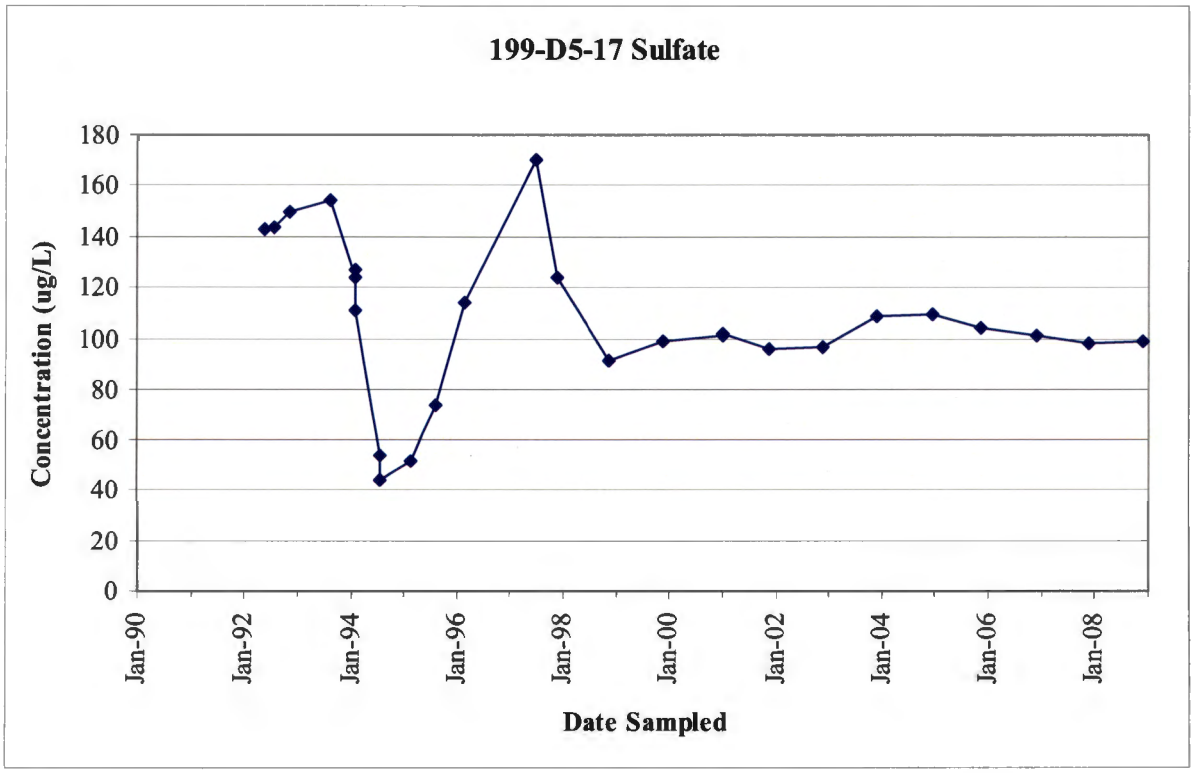

199-D5-104 Sulfate
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

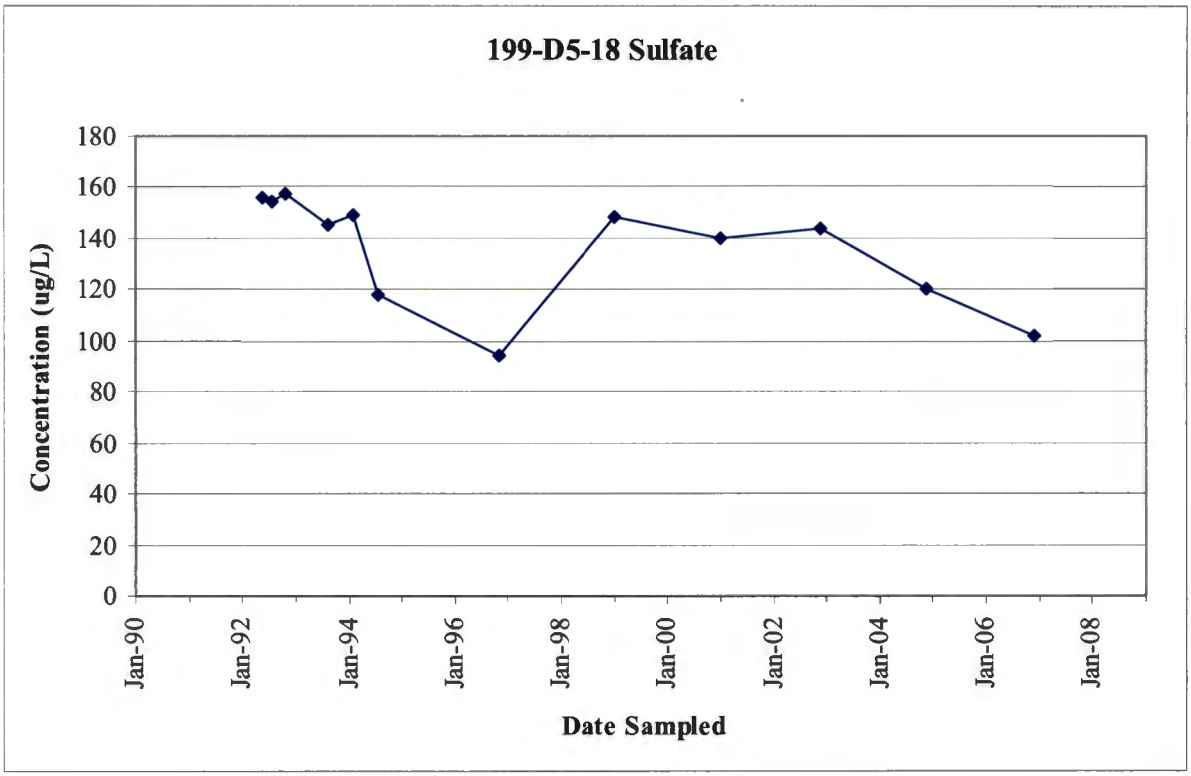

199-D5-13 Sulfate
Concentration (ug/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

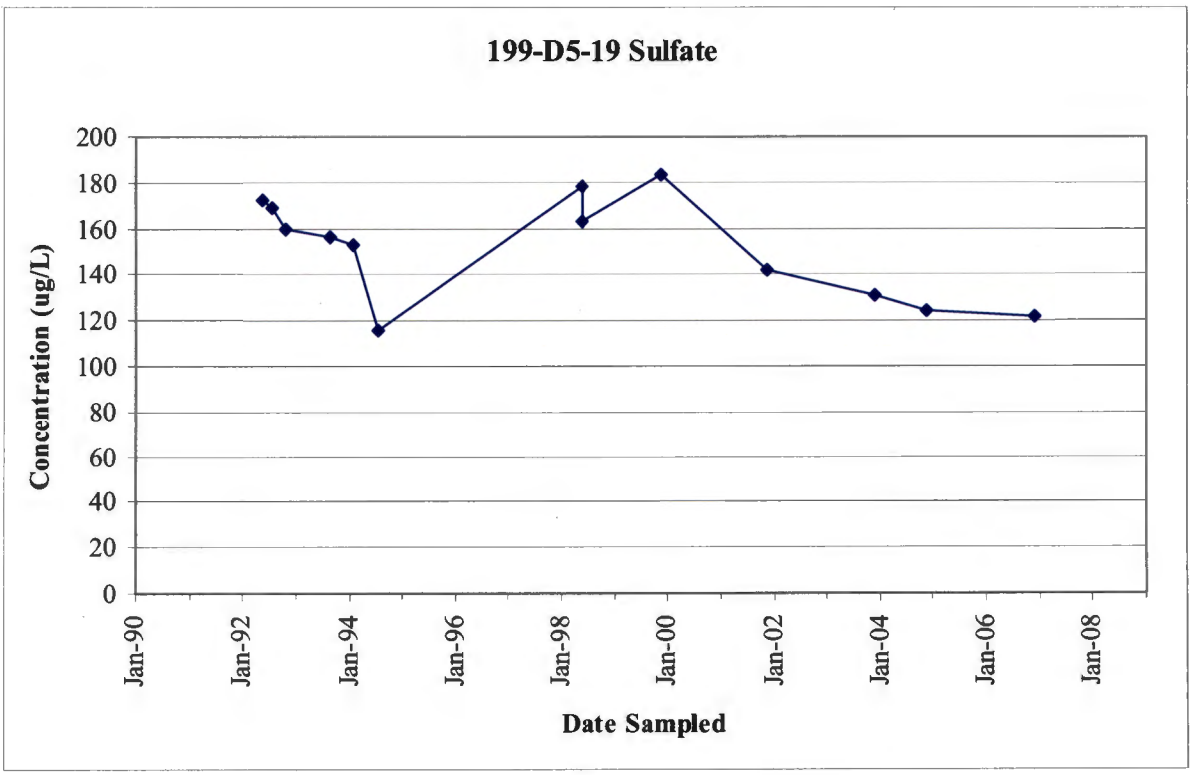

199-D5-14 Sulfate
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

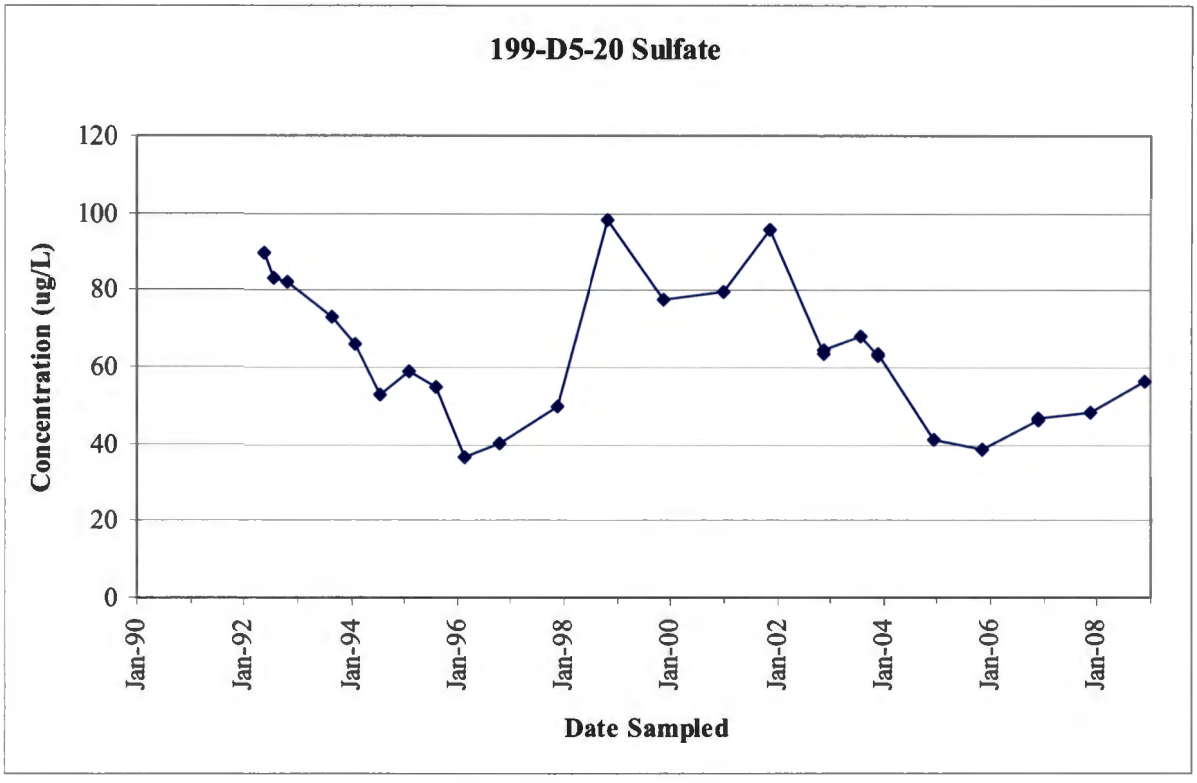

199-D5-15 Sulfate
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

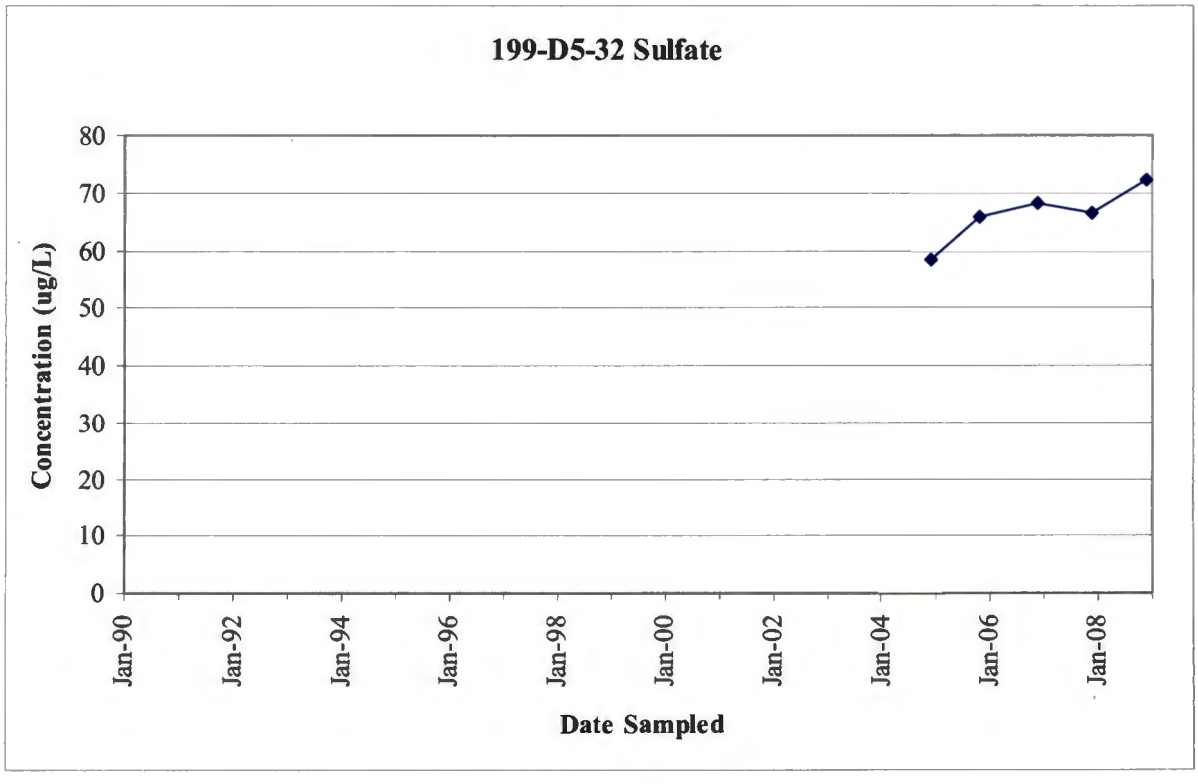

199-D5-16 Sulfate
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

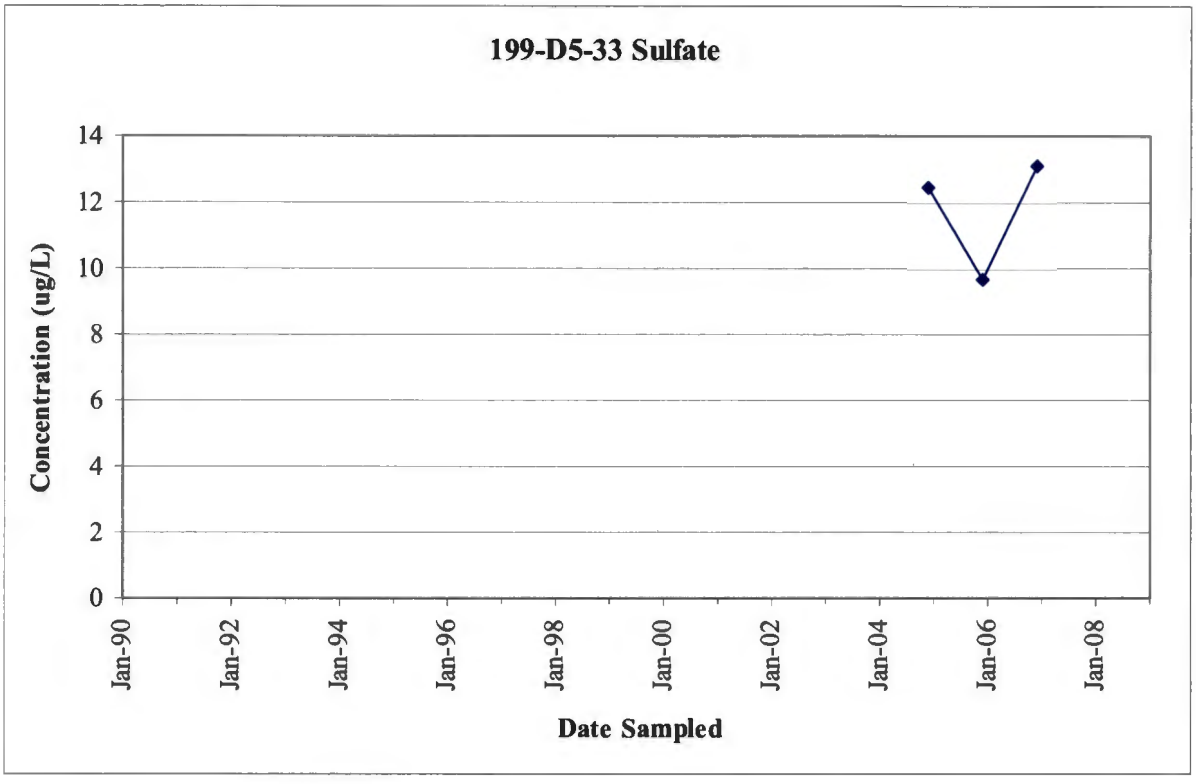

199-D5-17 Sulfate
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

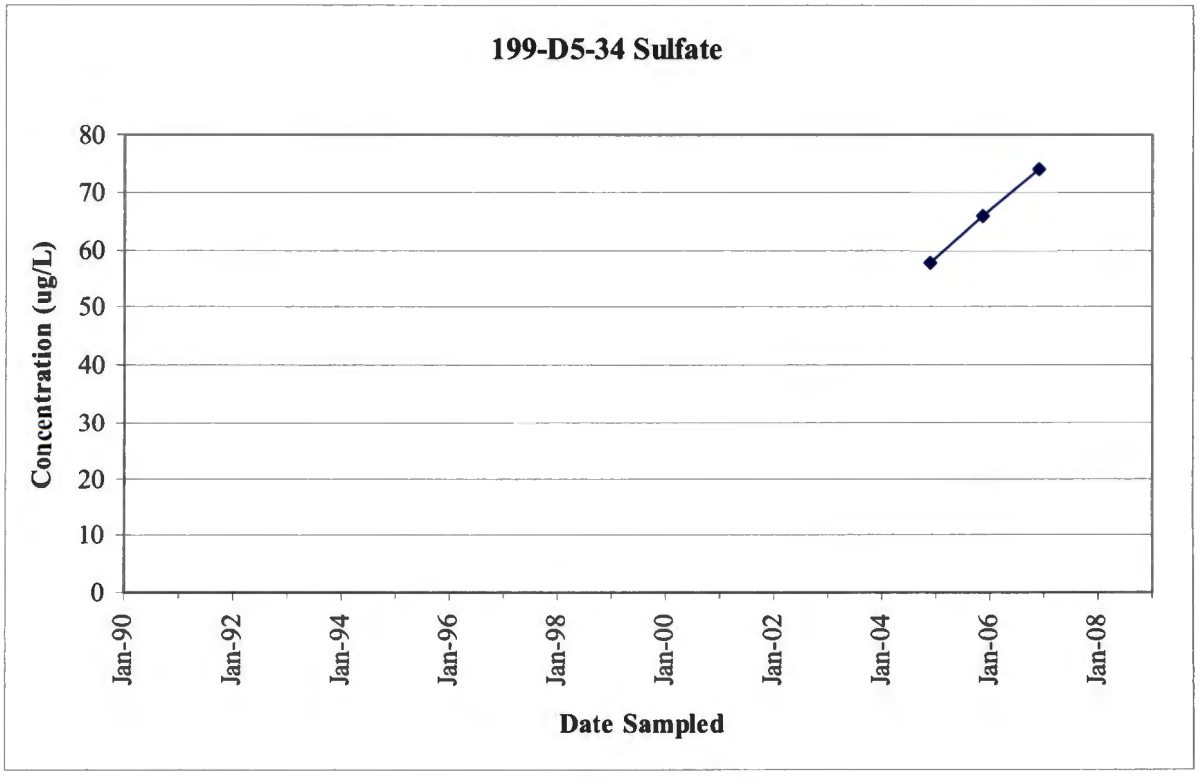

199-D5-18 Sulfate
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

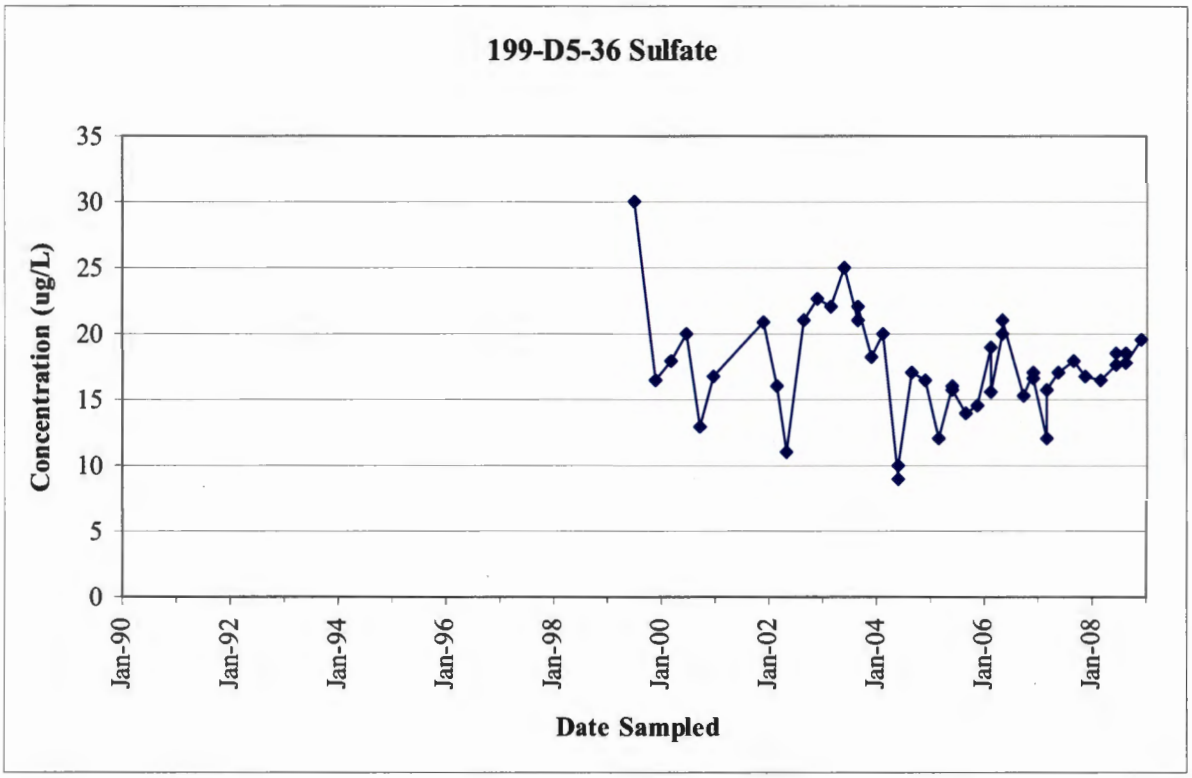

199-D5-19 Sulfate
Concentration (ug/L)
200
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

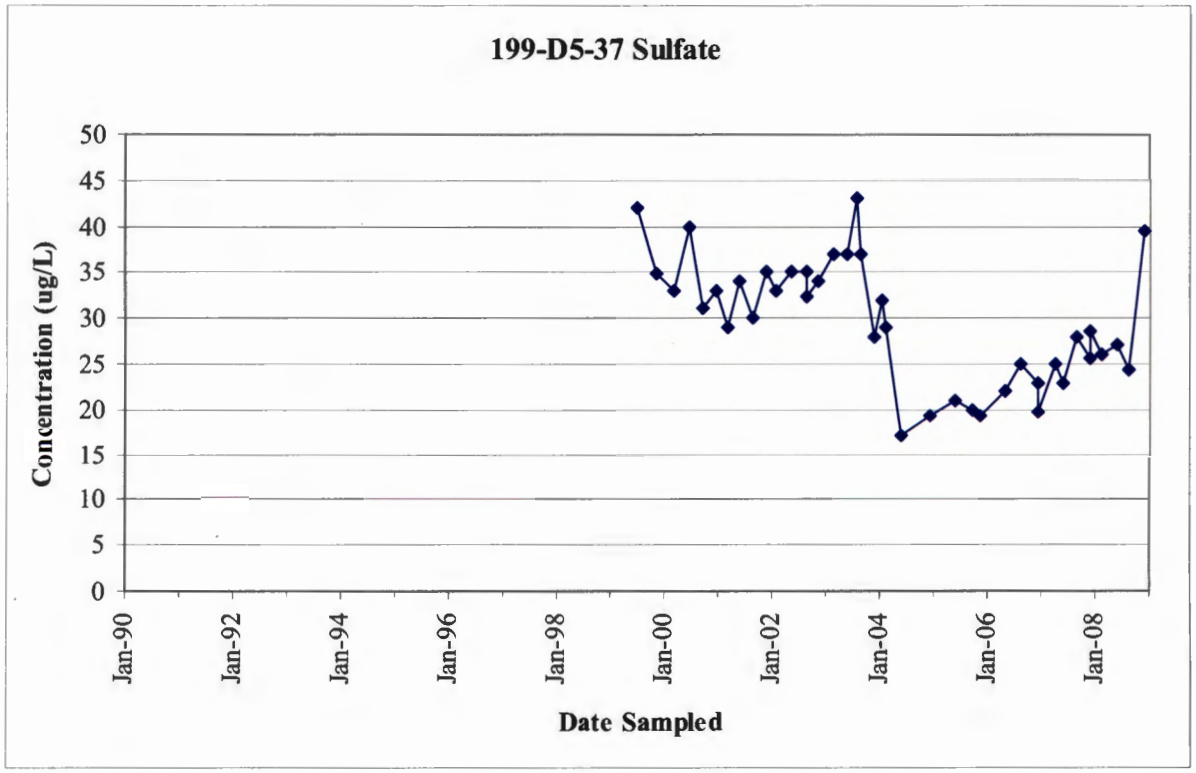

199-D5-20 Sulfate
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

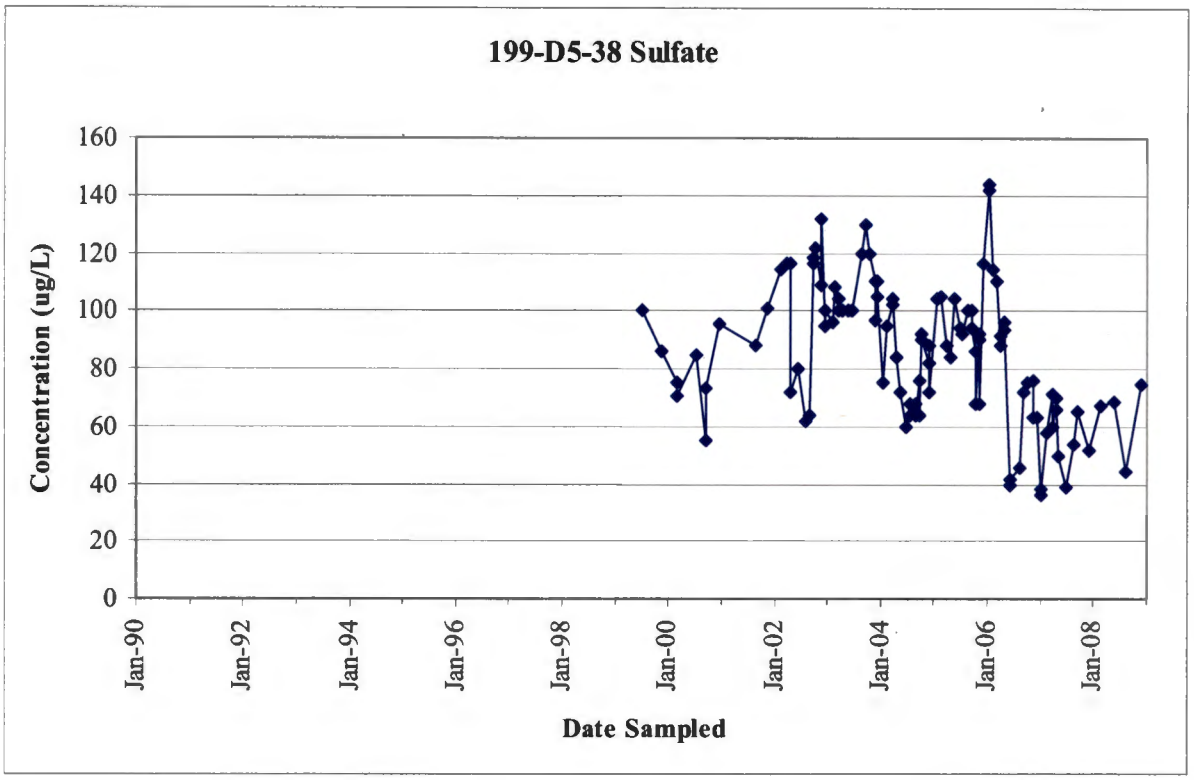

199-D5-32 Sulfate
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

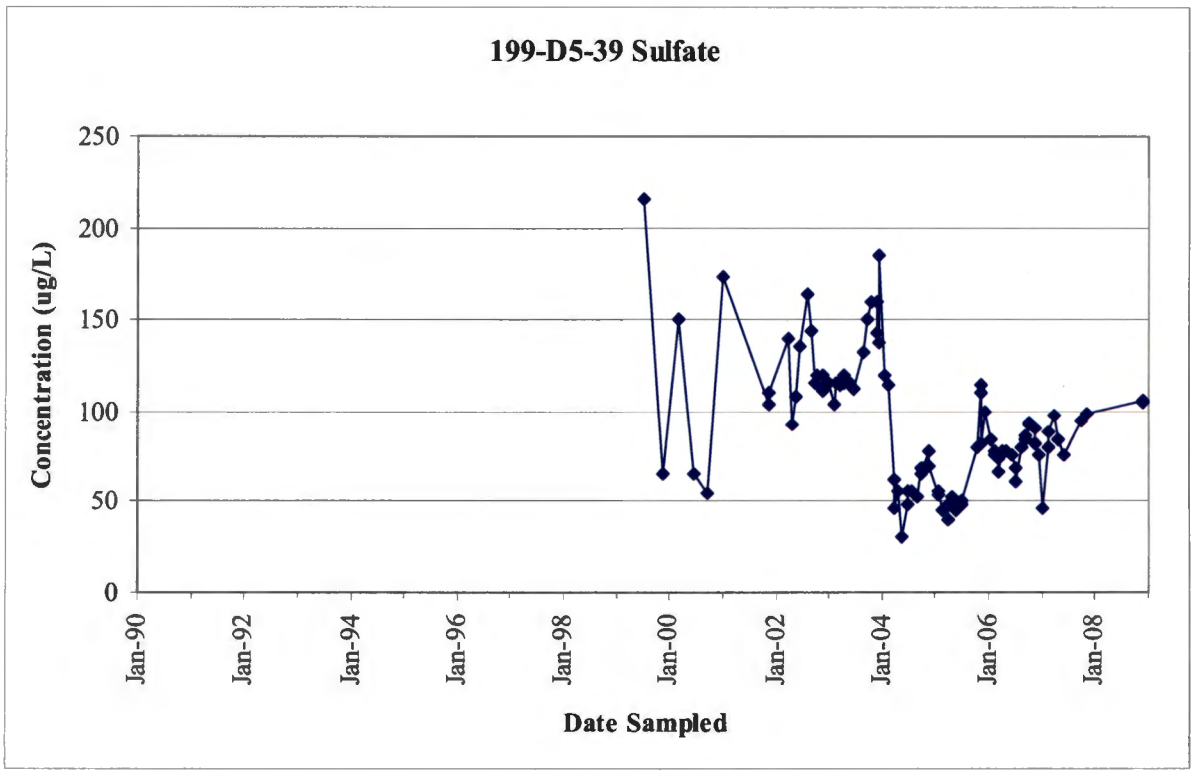

199-D5-33 Sulfate
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

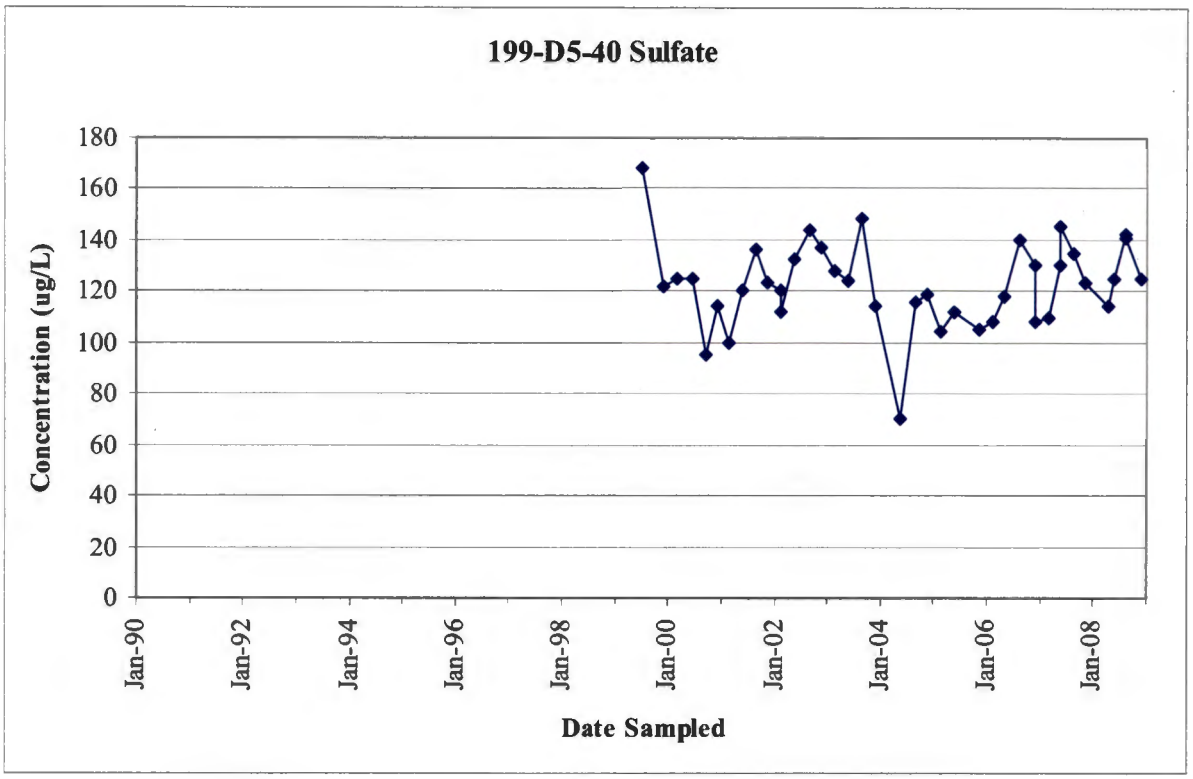

199-D5-34 Sulfate
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

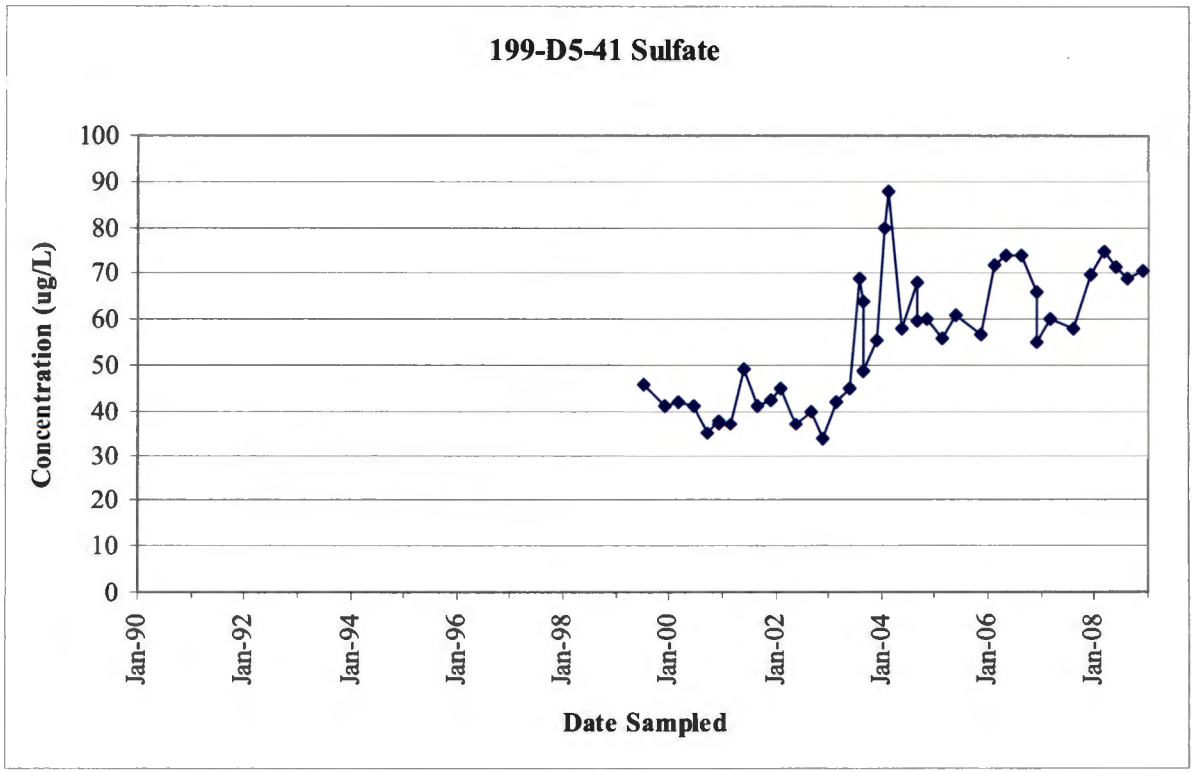

199-D5-36 Sulfate
Concentration (ug/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

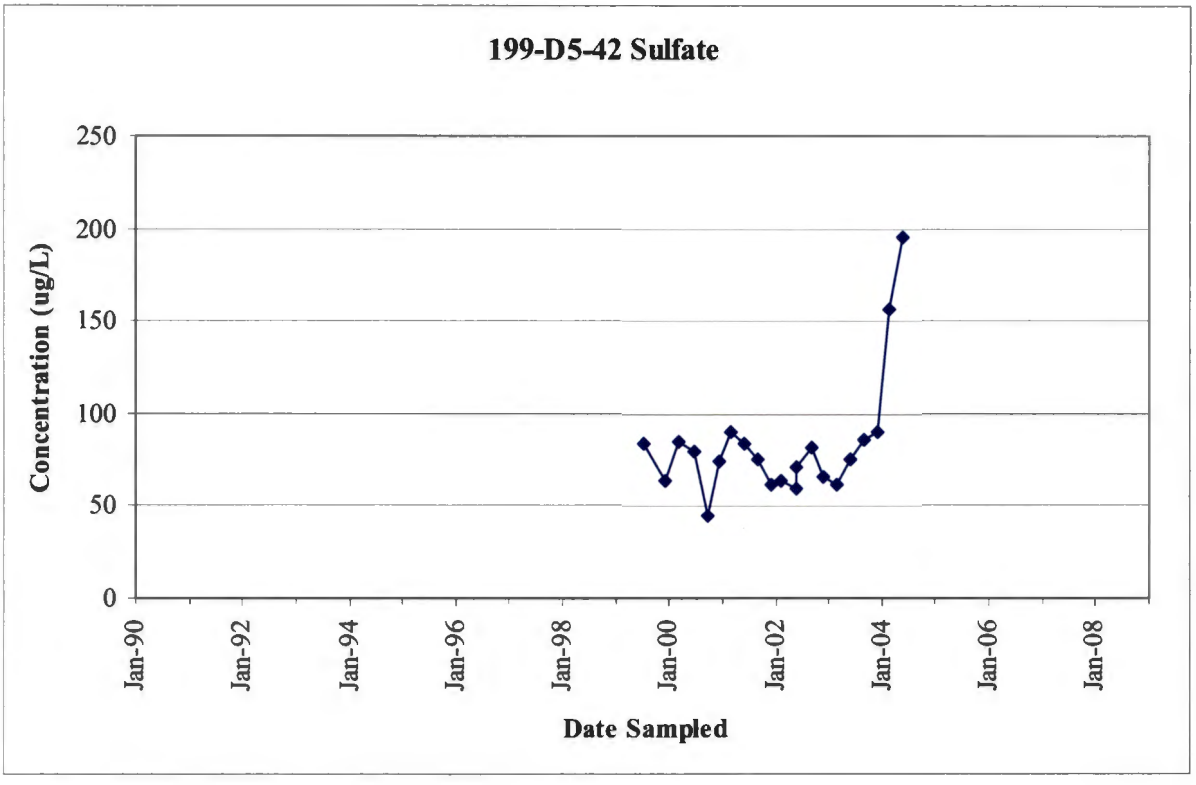

199-D5-37 Sulfate
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

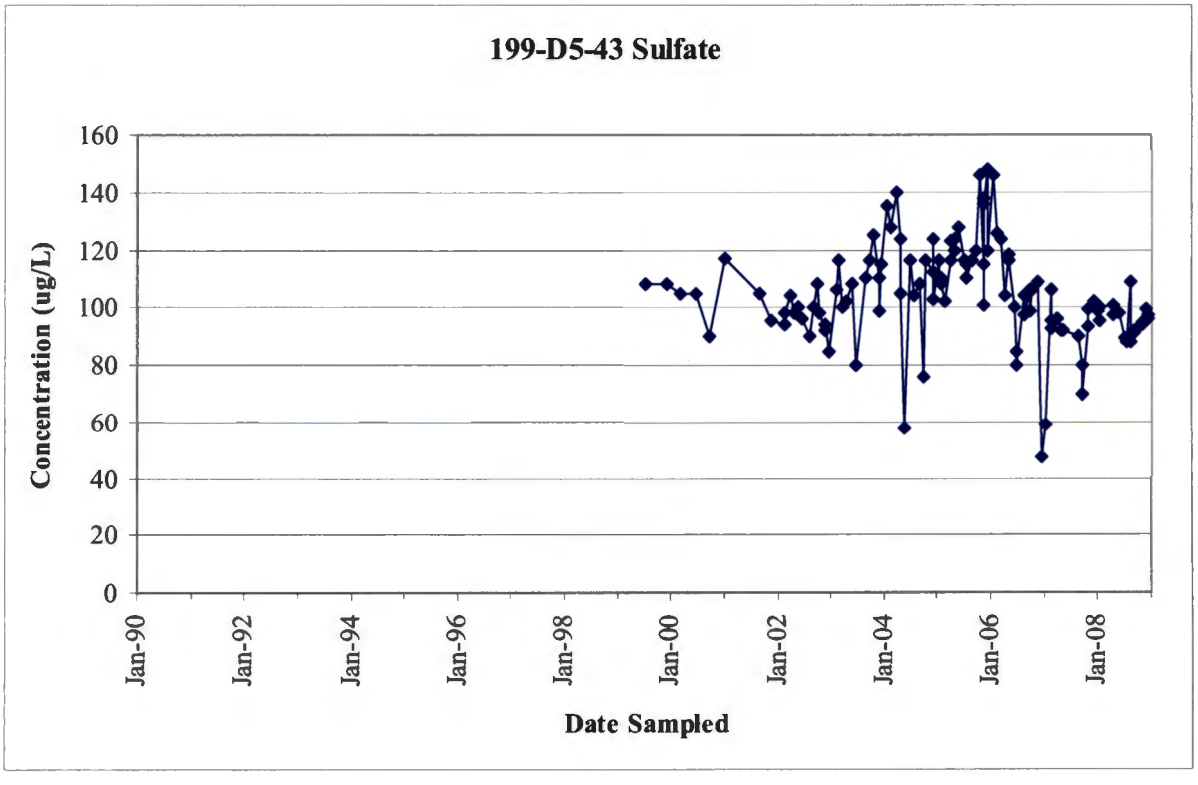

199-D5-38 Sulfate
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

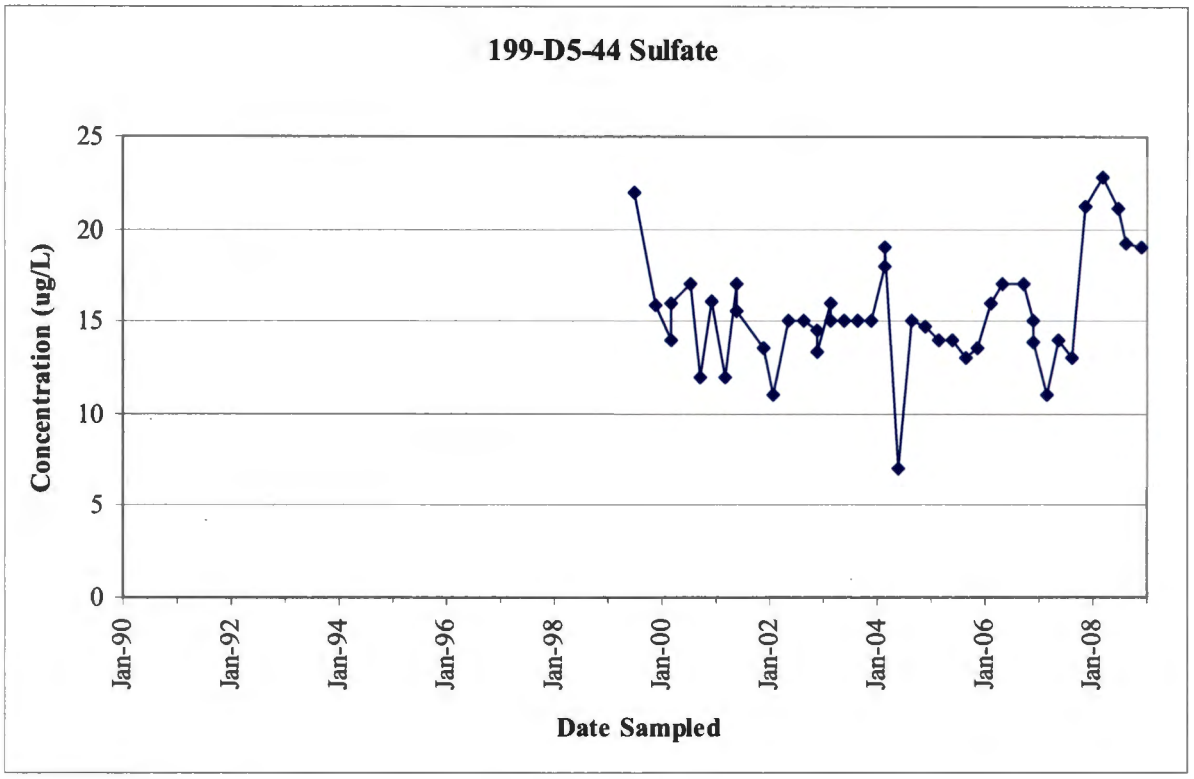

199-D5-39 Sulfate
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

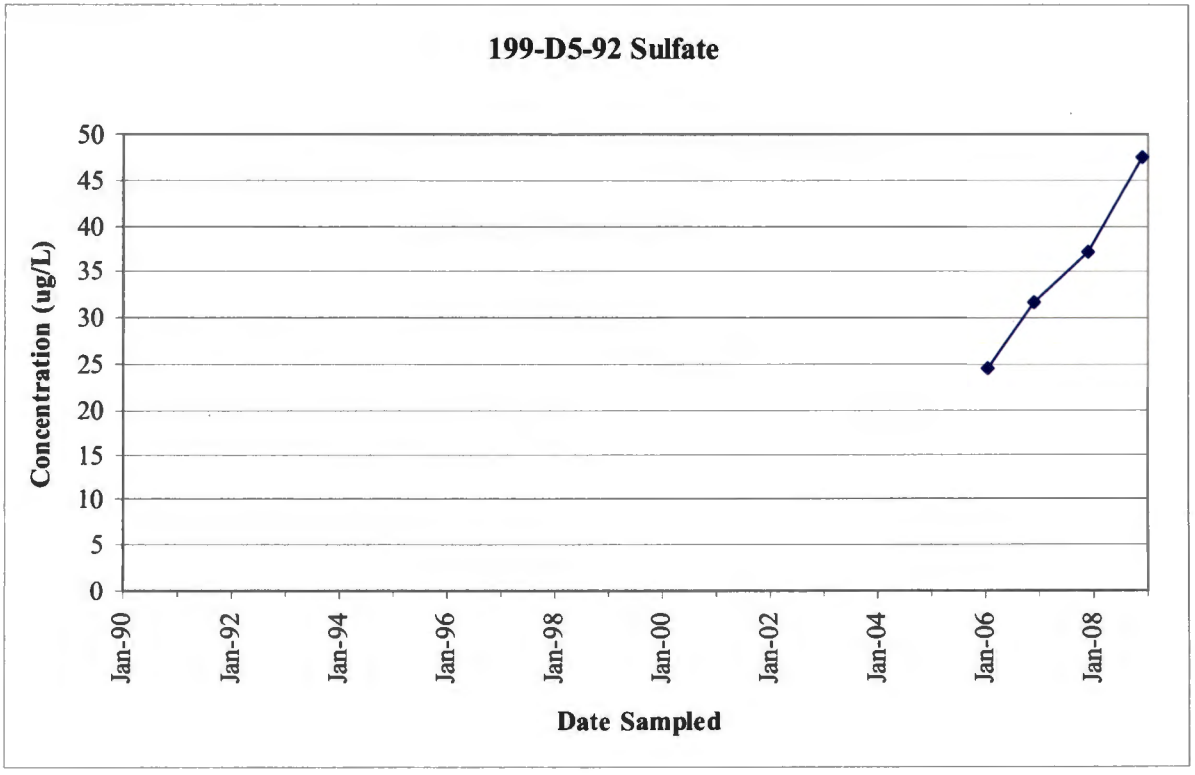

199-D5-40 Sulfate
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

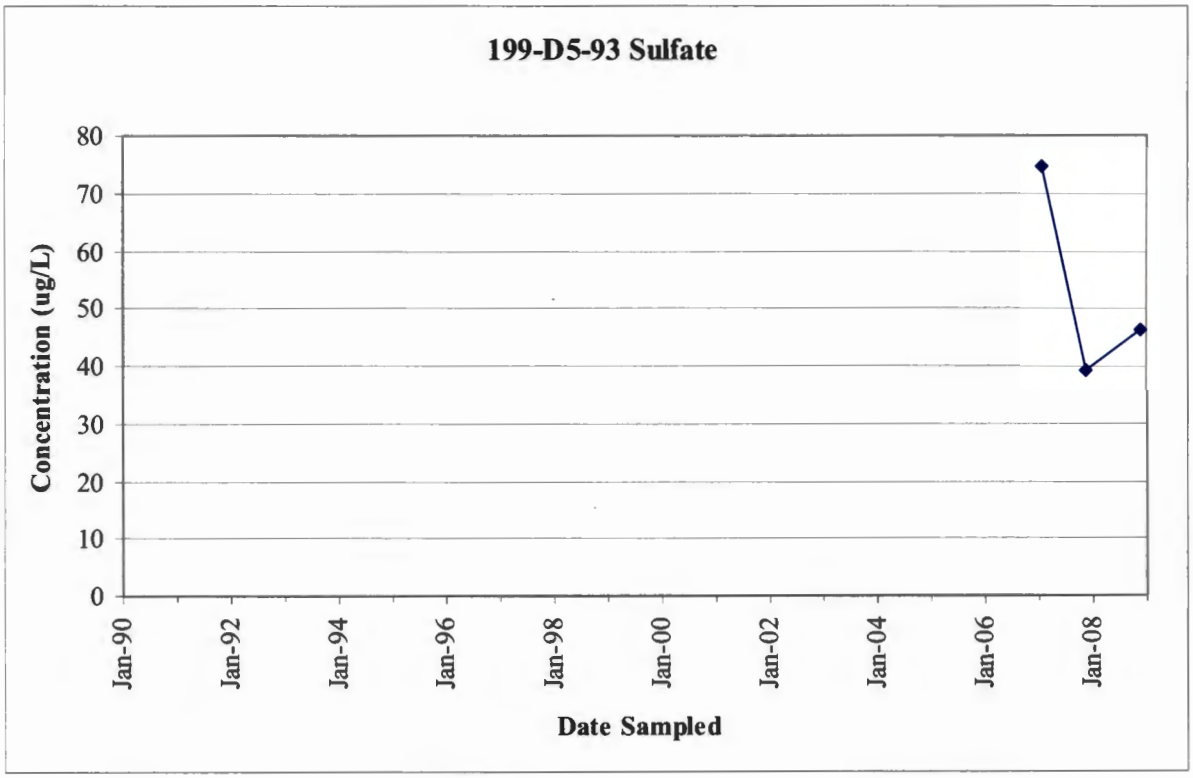

199-D5-41 Sulfate
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

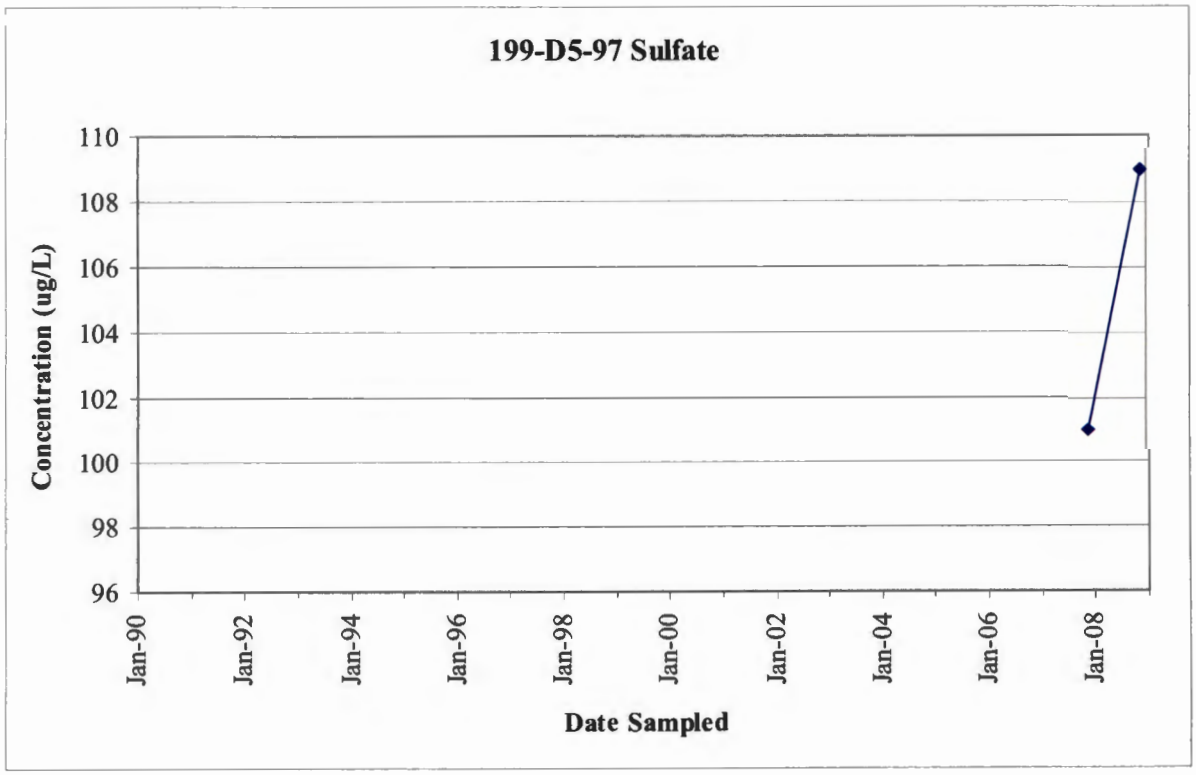

199-D5-42 Sulfate
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

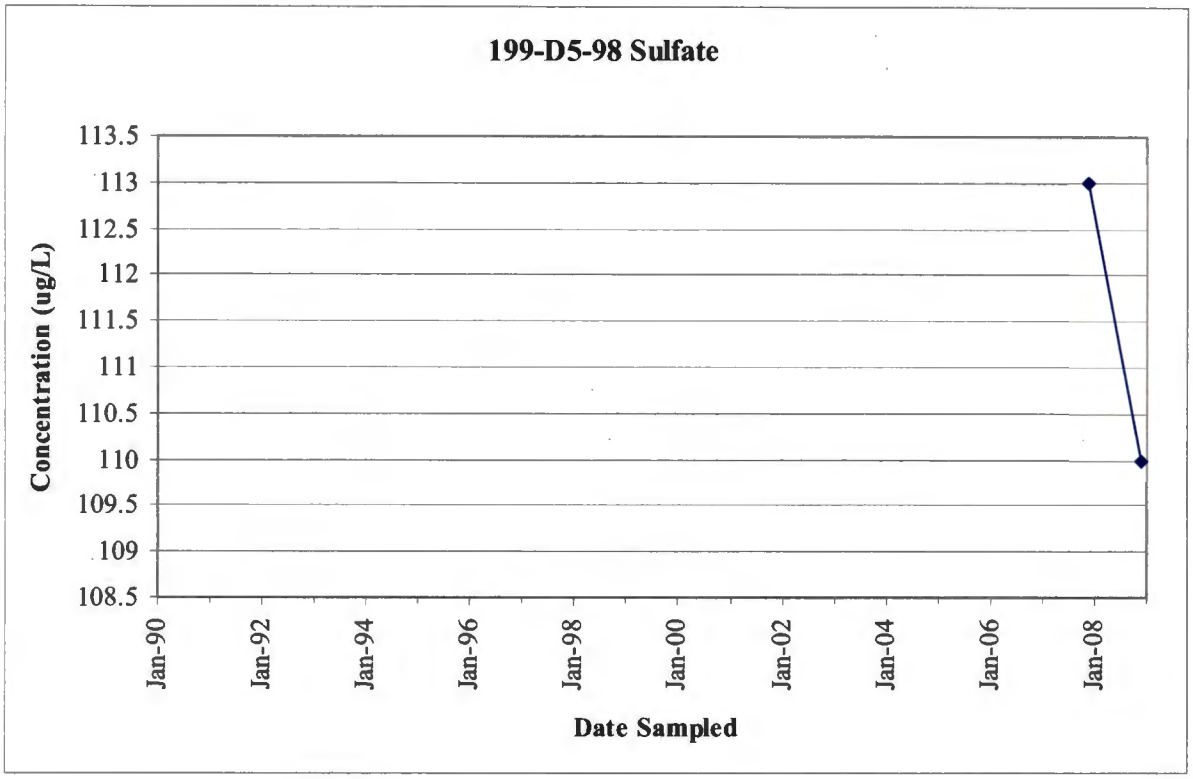

199-D5-43 Sulfate
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

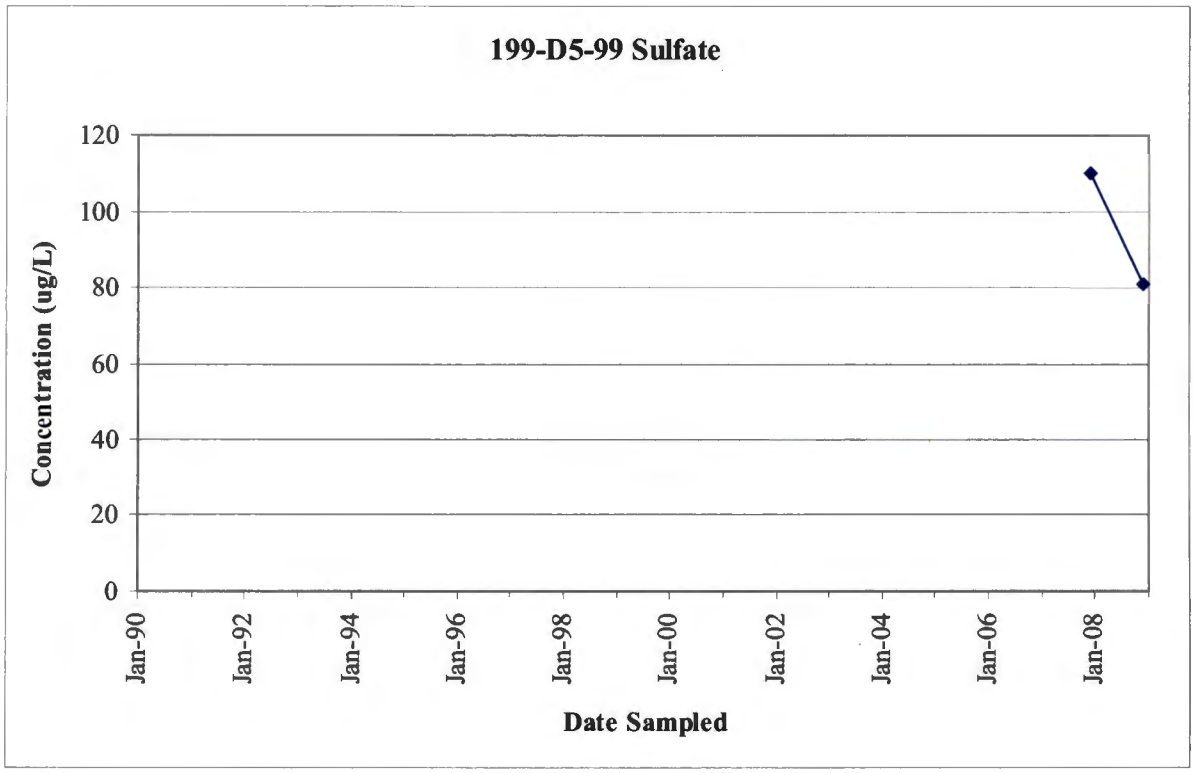

199-D5-44 Sulfate
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

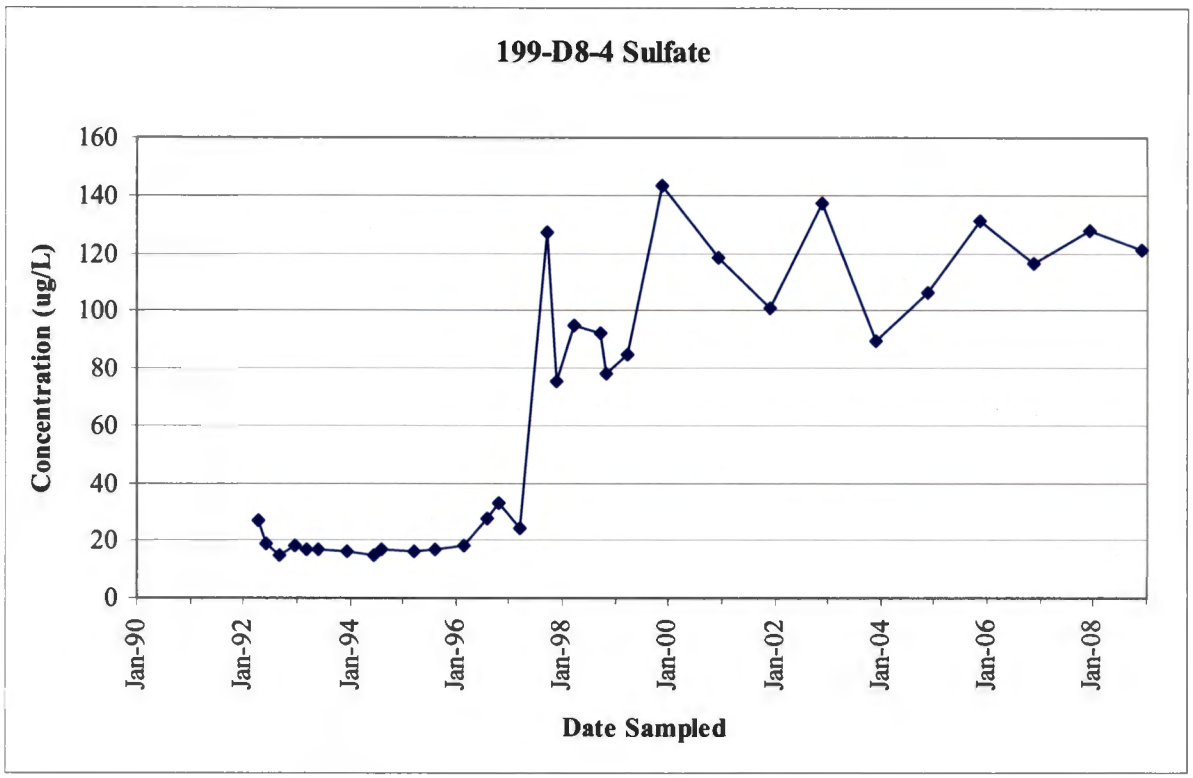

199-D5-92 Sulfate
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

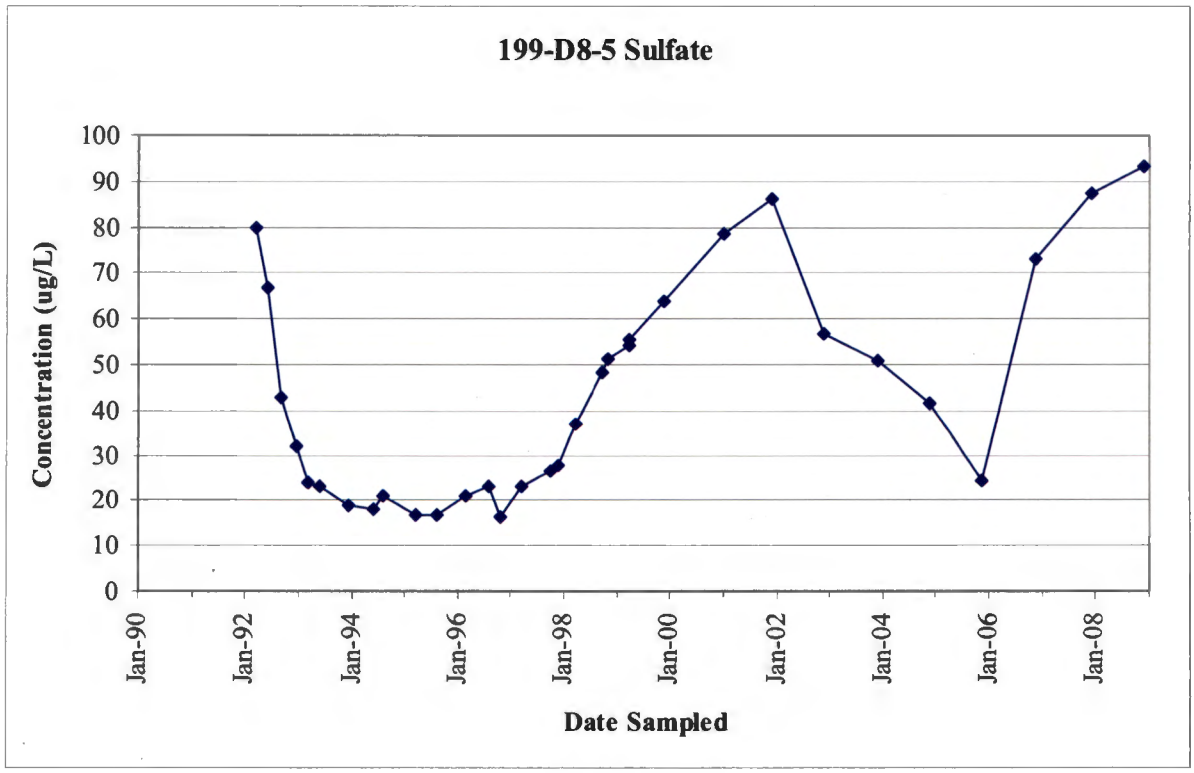

199-D5-93 Sulfate
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

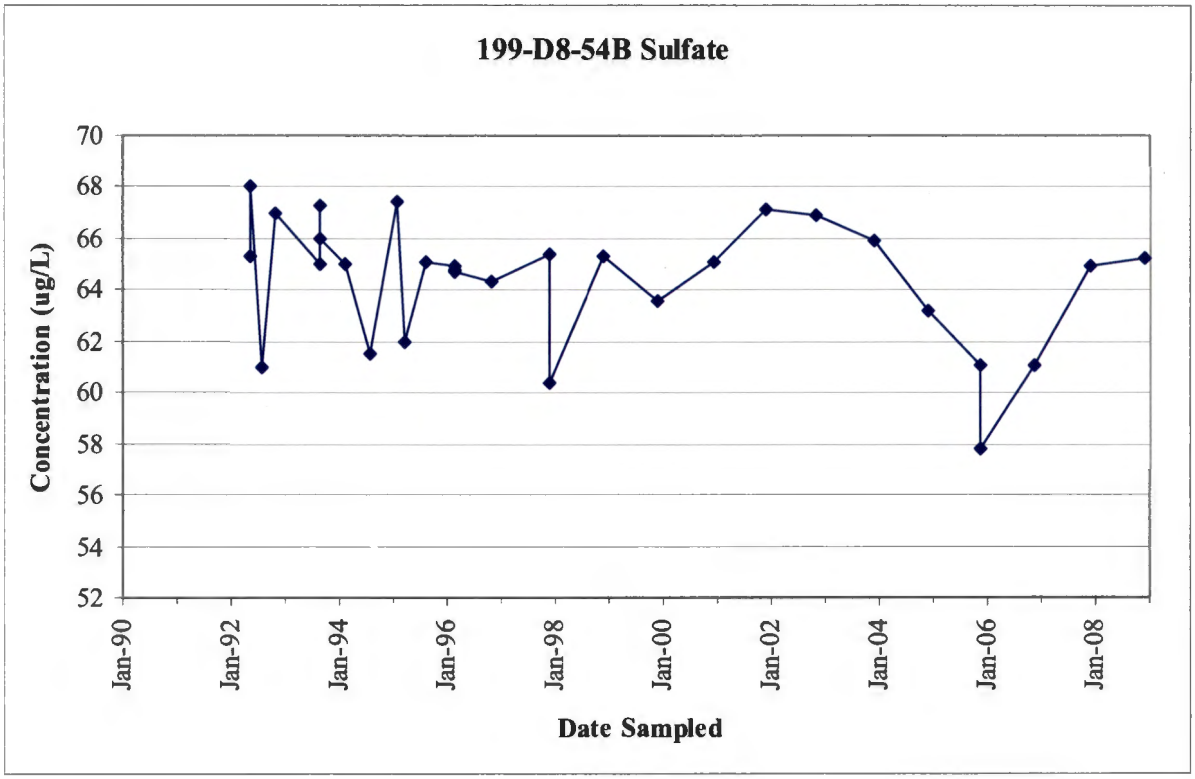

199-D5-97 Sulfate
Concentration (ug/L)
110
108
106
104
102
100
98
96
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

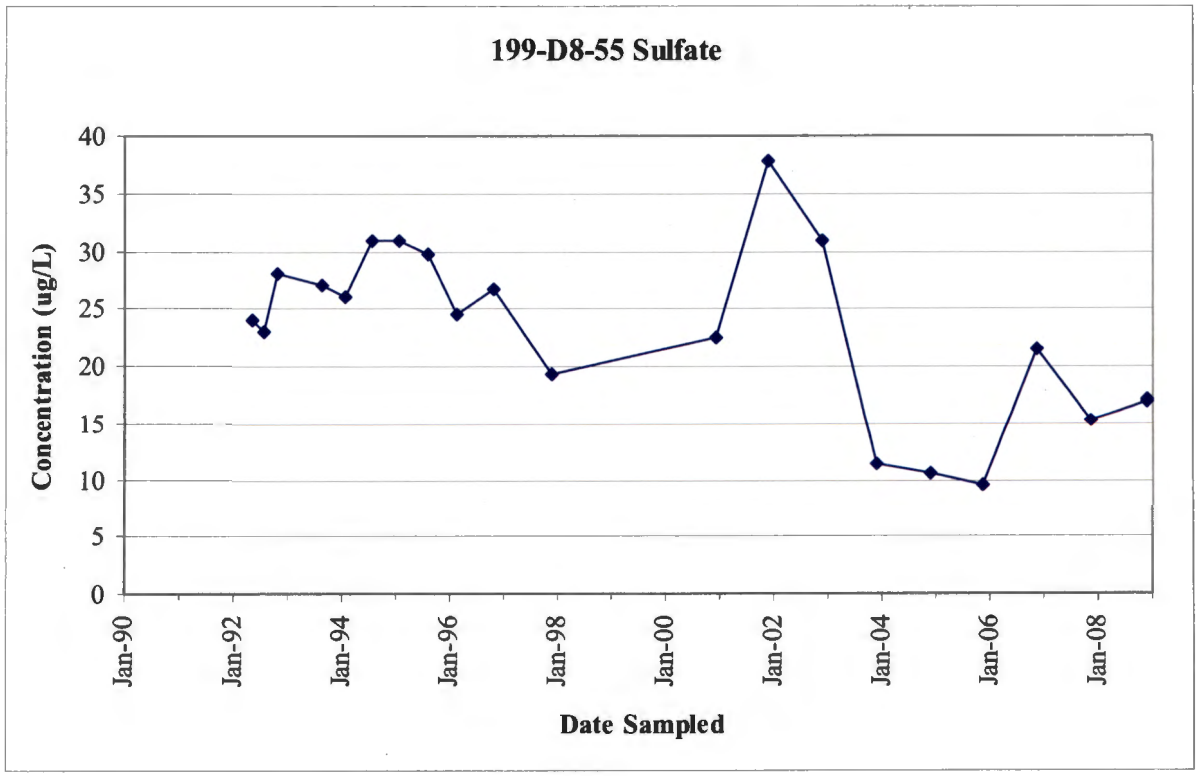

199-D5-98 Sulfate
Concentration (ug/L)
113.5
113
112.5
112
111.5
111
110.5
110
109.5
109
108.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

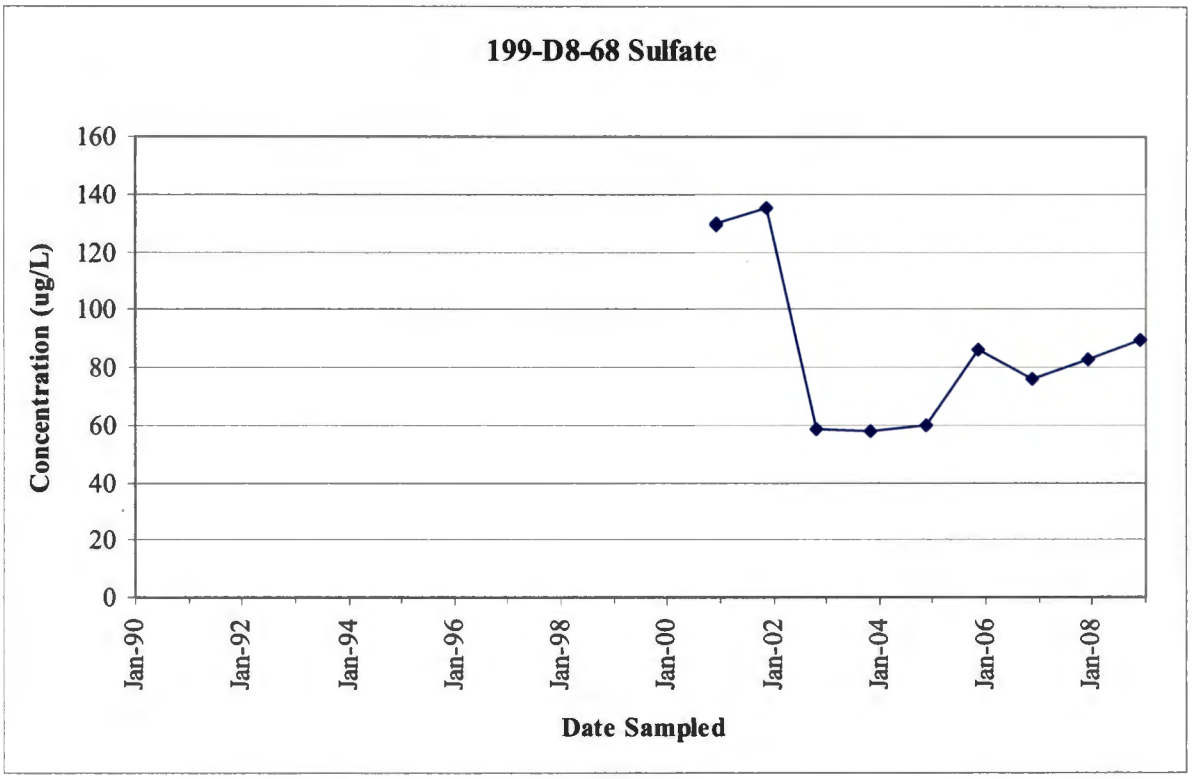

199-D5-99 Sulfate
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

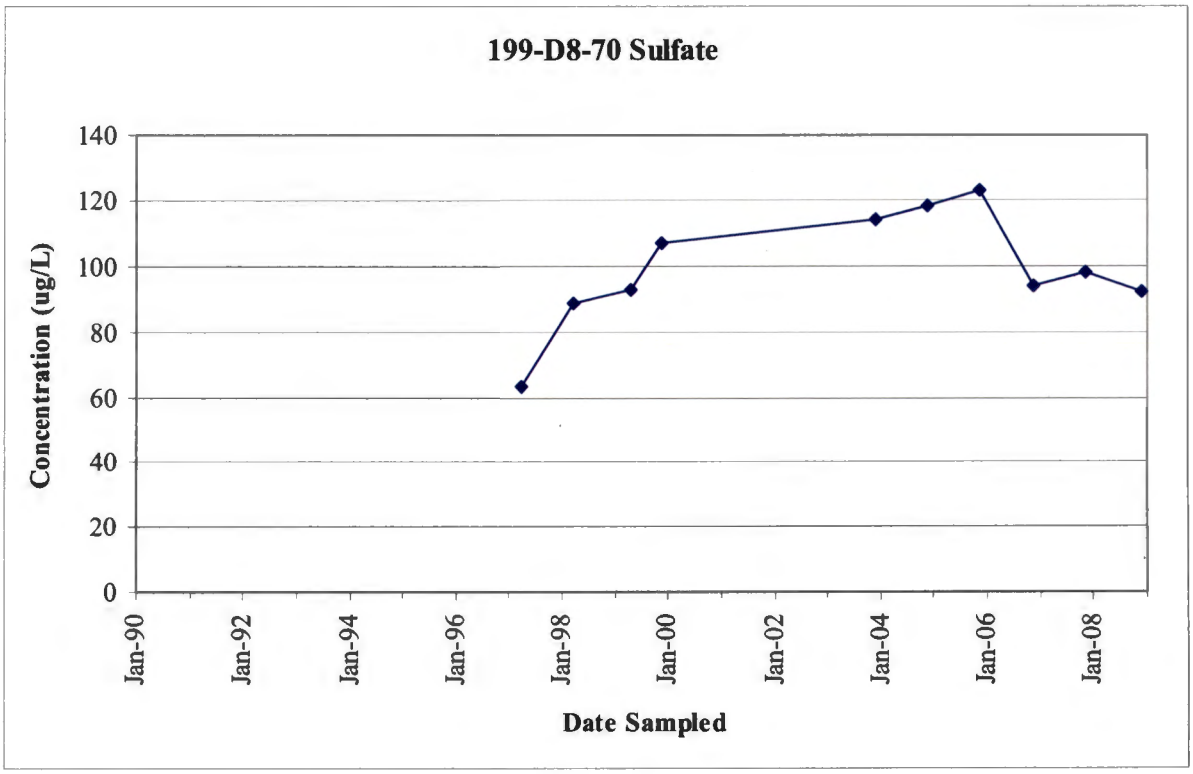

199-D8-4 Sulfate
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

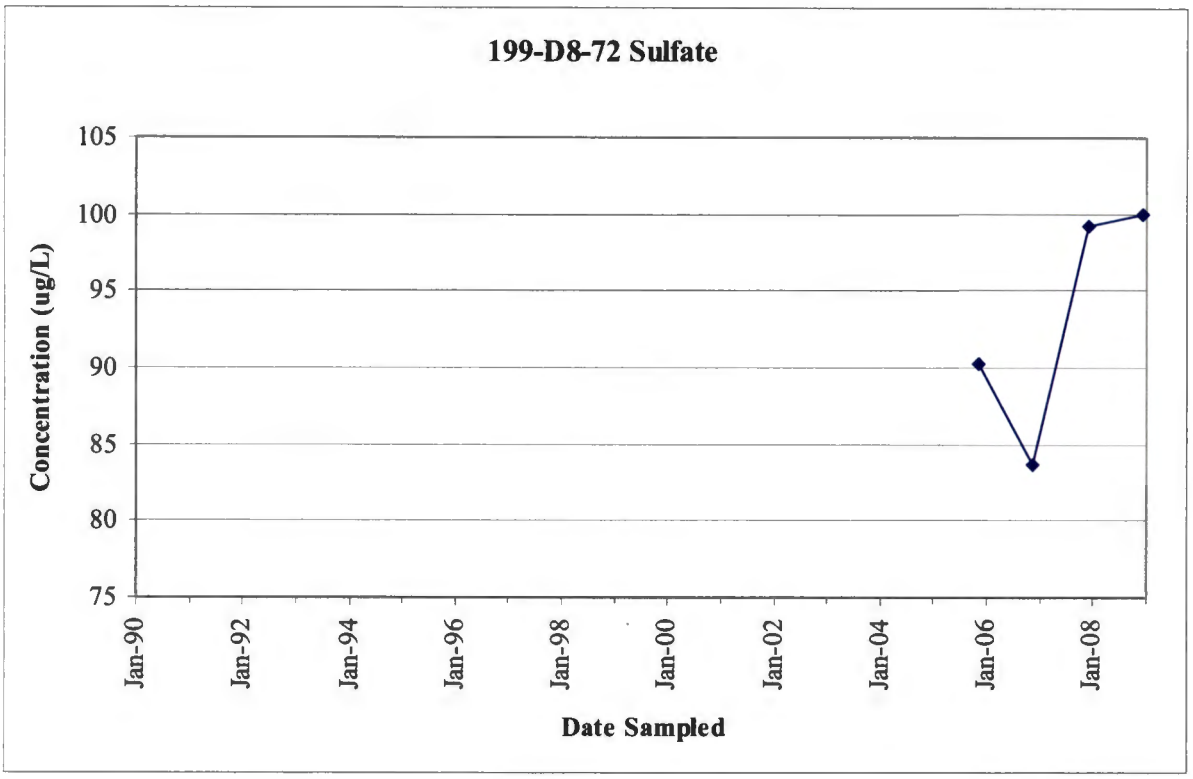

199-D8-5 Sulfate
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

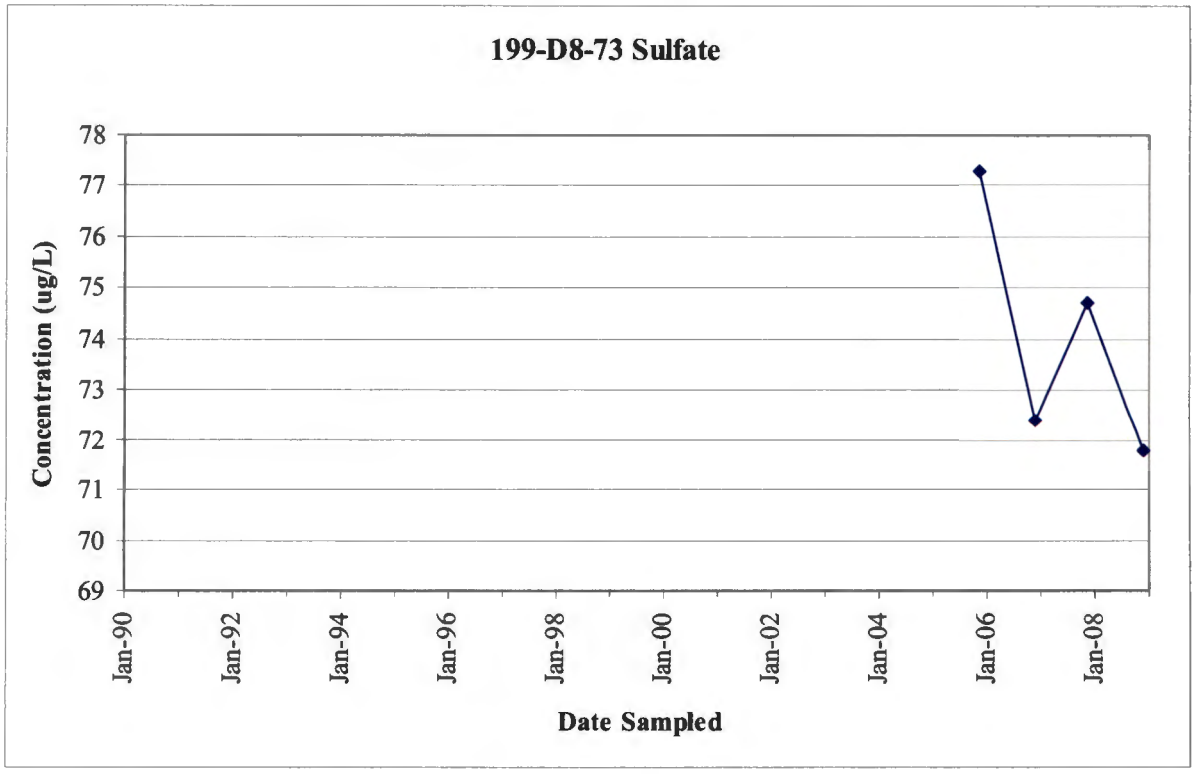

199-D8-54B Sulfate
Concentration (ug/L)
70
68
66
64
62
60
58
56
54
52
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

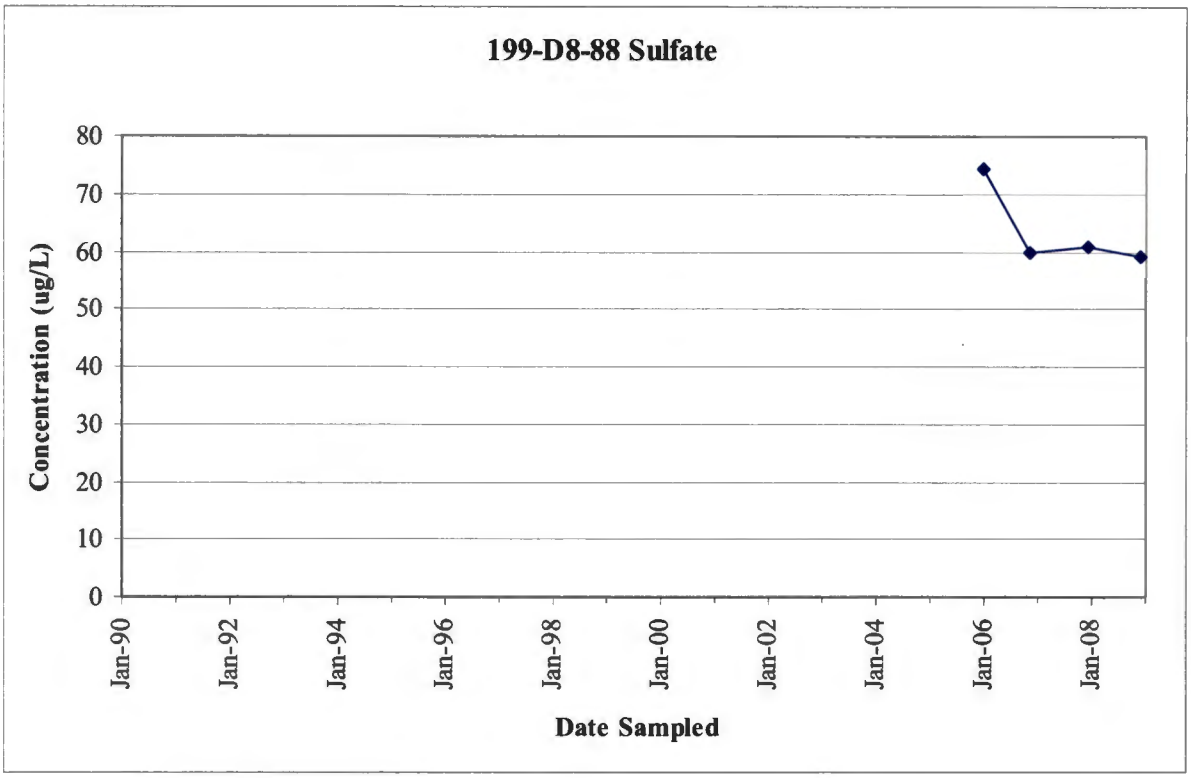

199-D8-55 Sulfate
Concentration (ug/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

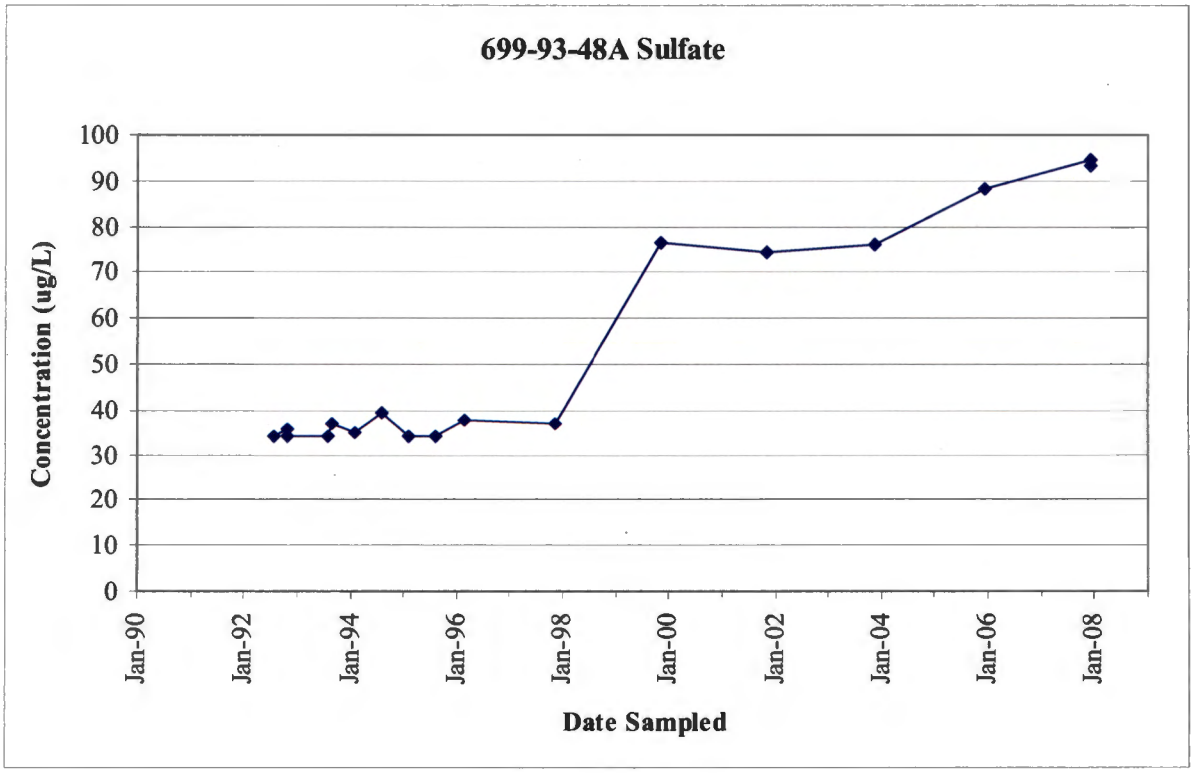

199-D8-68 Sulfate
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

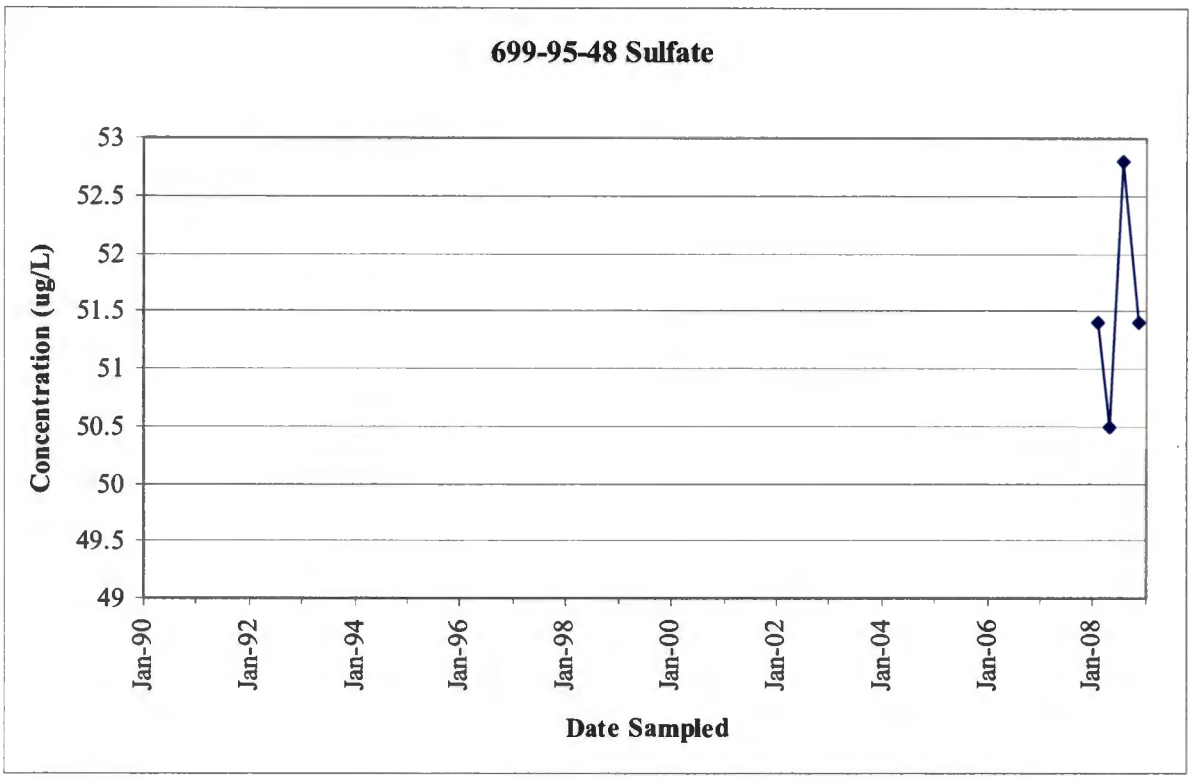

199-D8-70 Sulfate
Concentration (ug/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

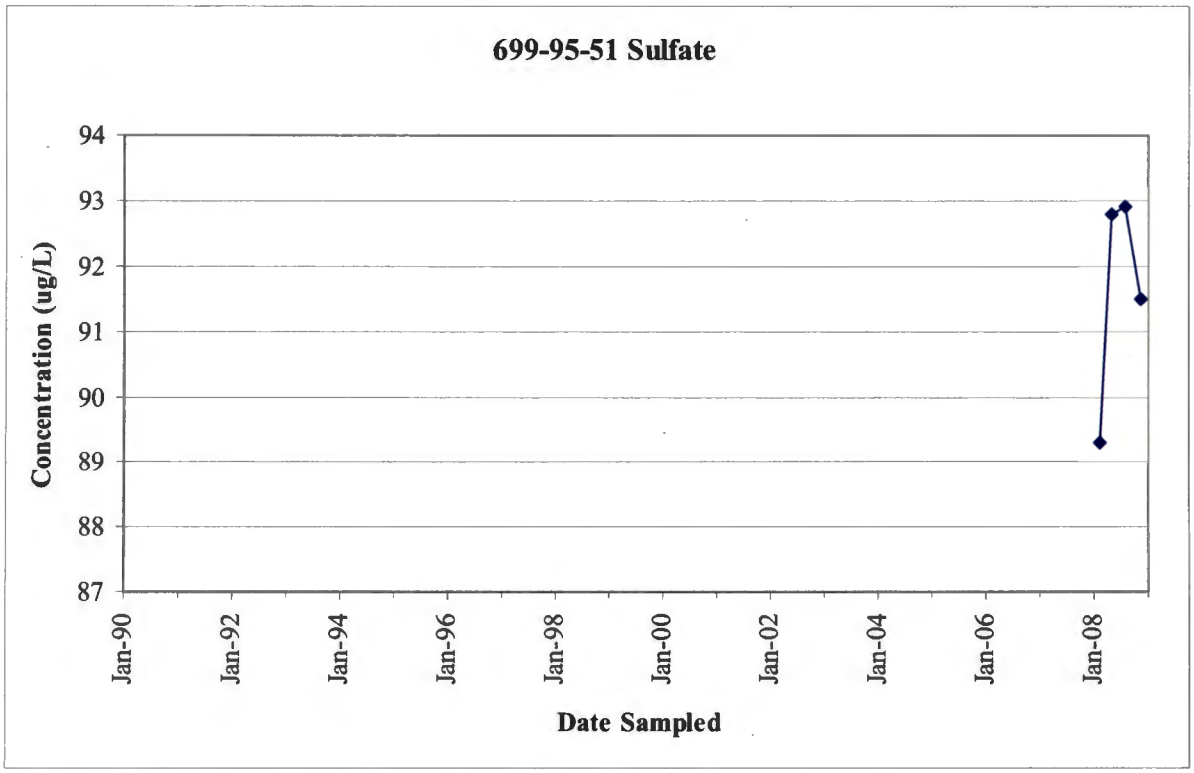

199-D8-72 Sulfate
105
100
95
90
85
80
75
Concentration (ug/L)
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

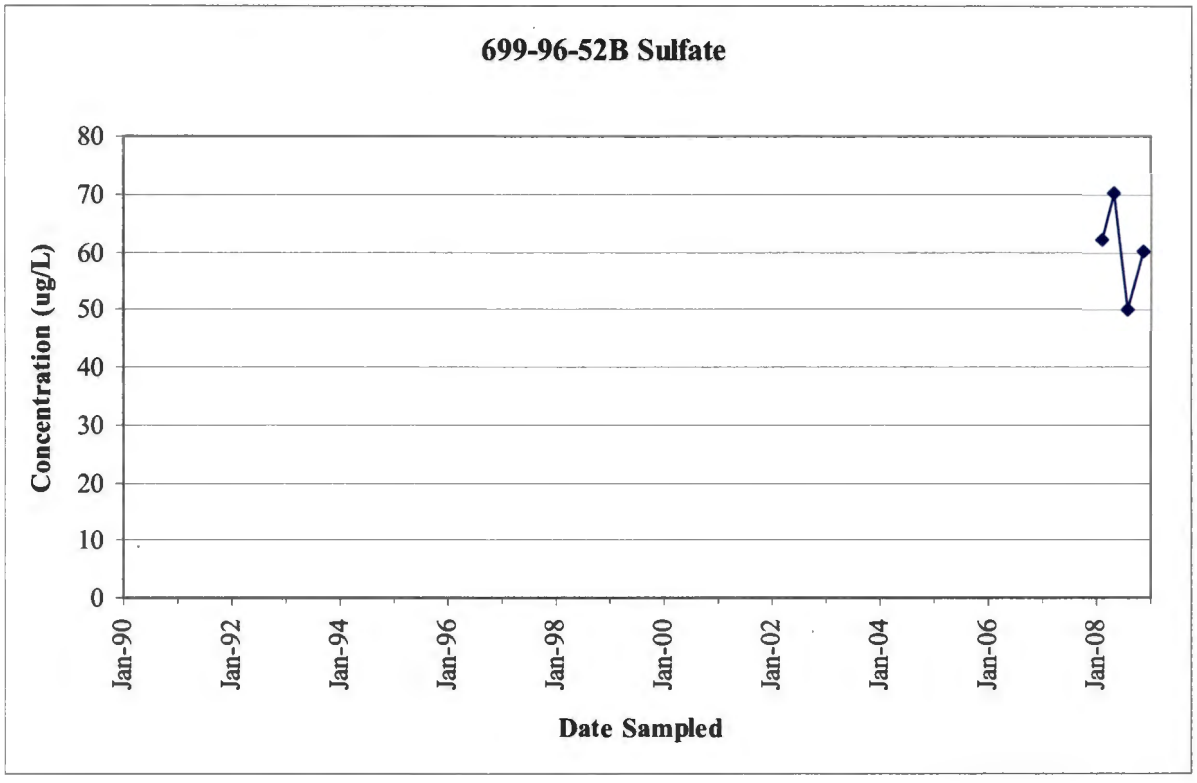

199-D8-73 Sulfate
78
77
76
75
74
73
72
71
70
69
Concentration (ug/L)
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

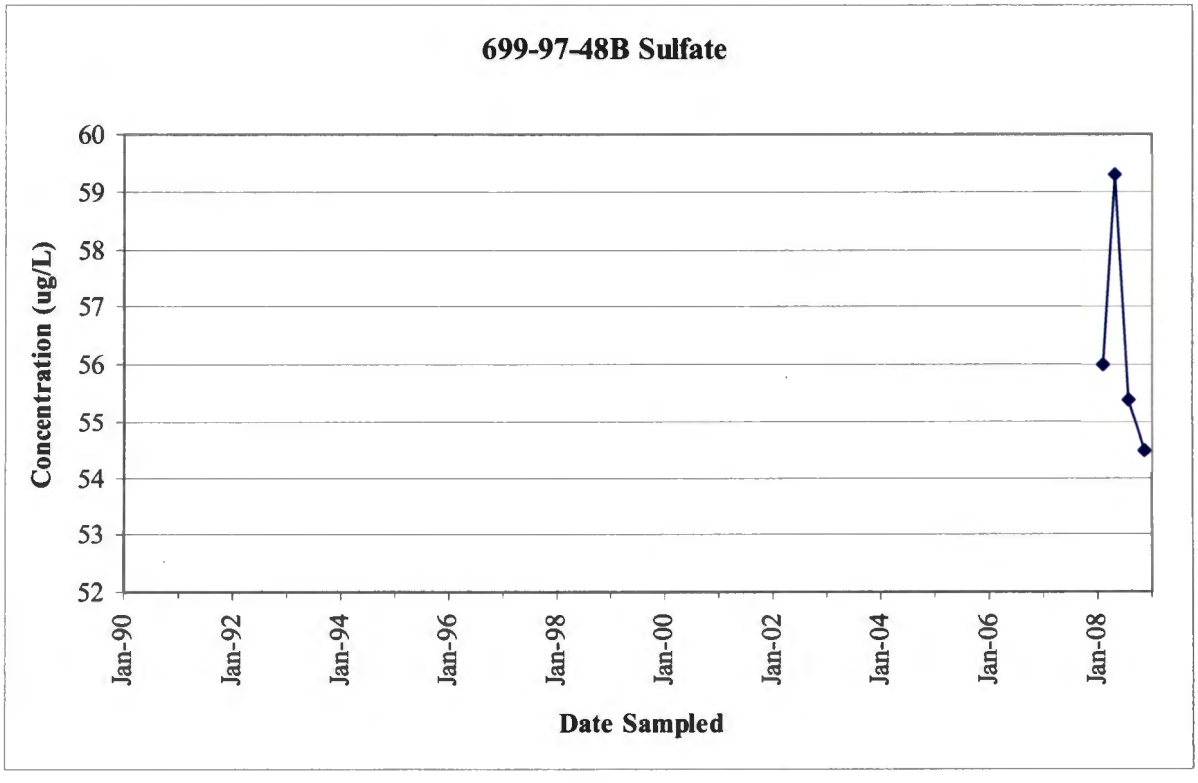

199-D8-88 Sulfate
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

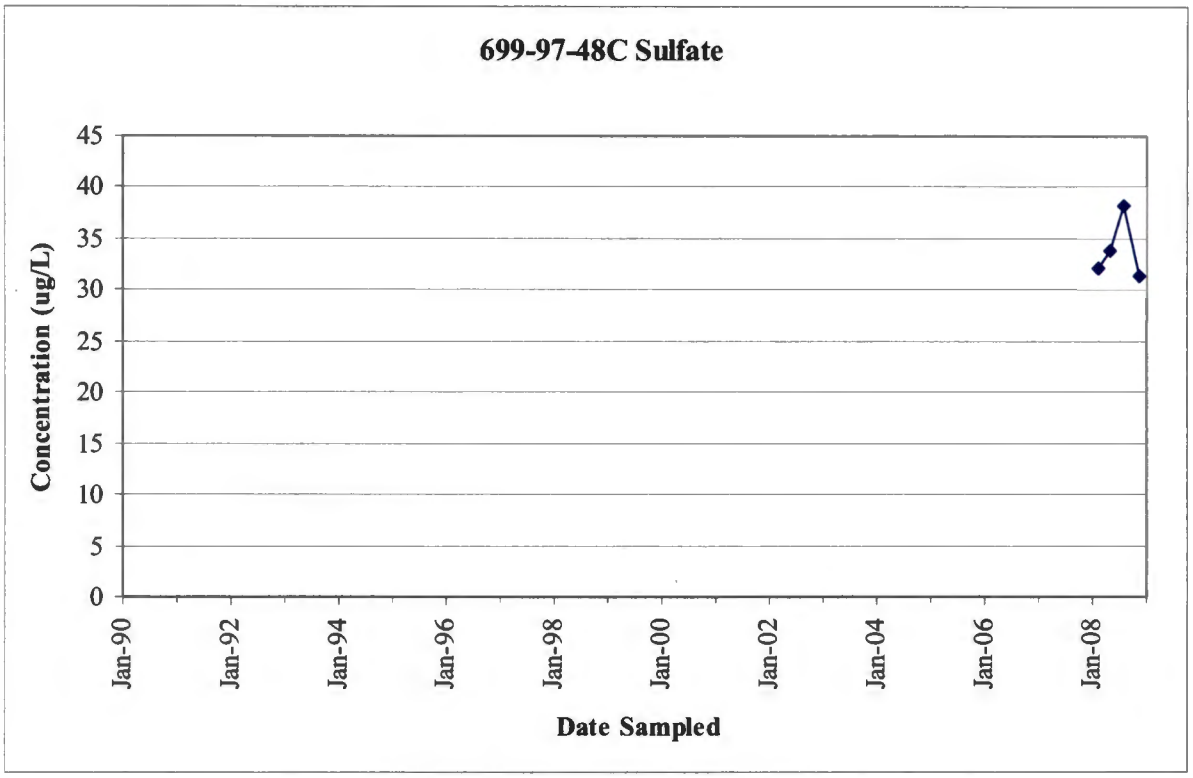

699-93-48A Sulfate
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

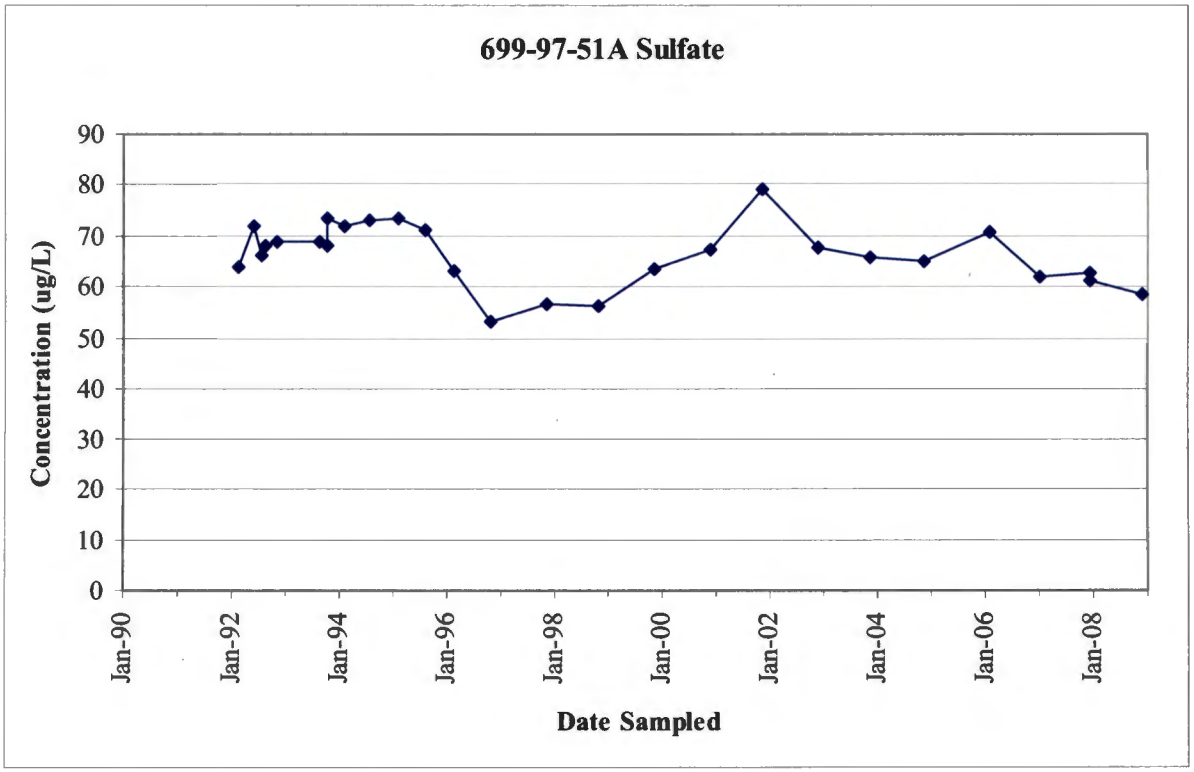

699-95-48 Sulfate
Concentration (ug/L)
53
52.5
52
51.5
51
50.5
50
49.5
49
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

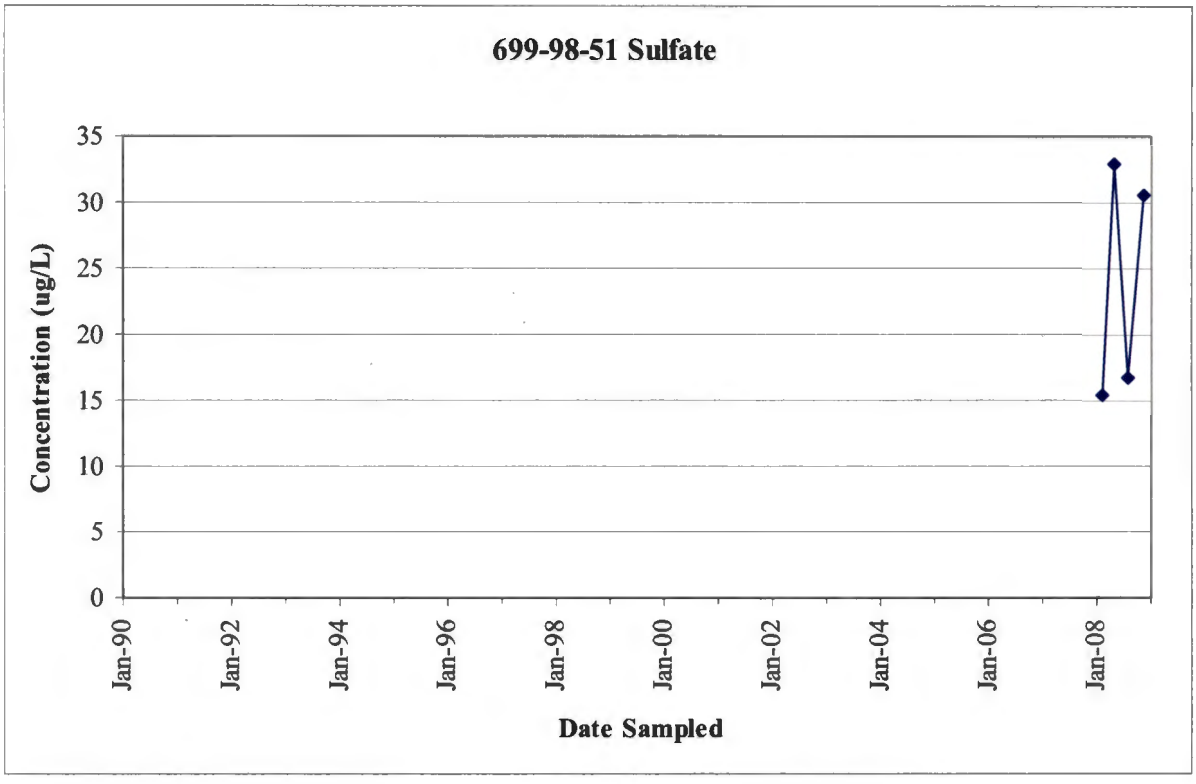

699-95-51 Sulfate
Concentration (ug/L)
94
93
92
91
90
89
88
87
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

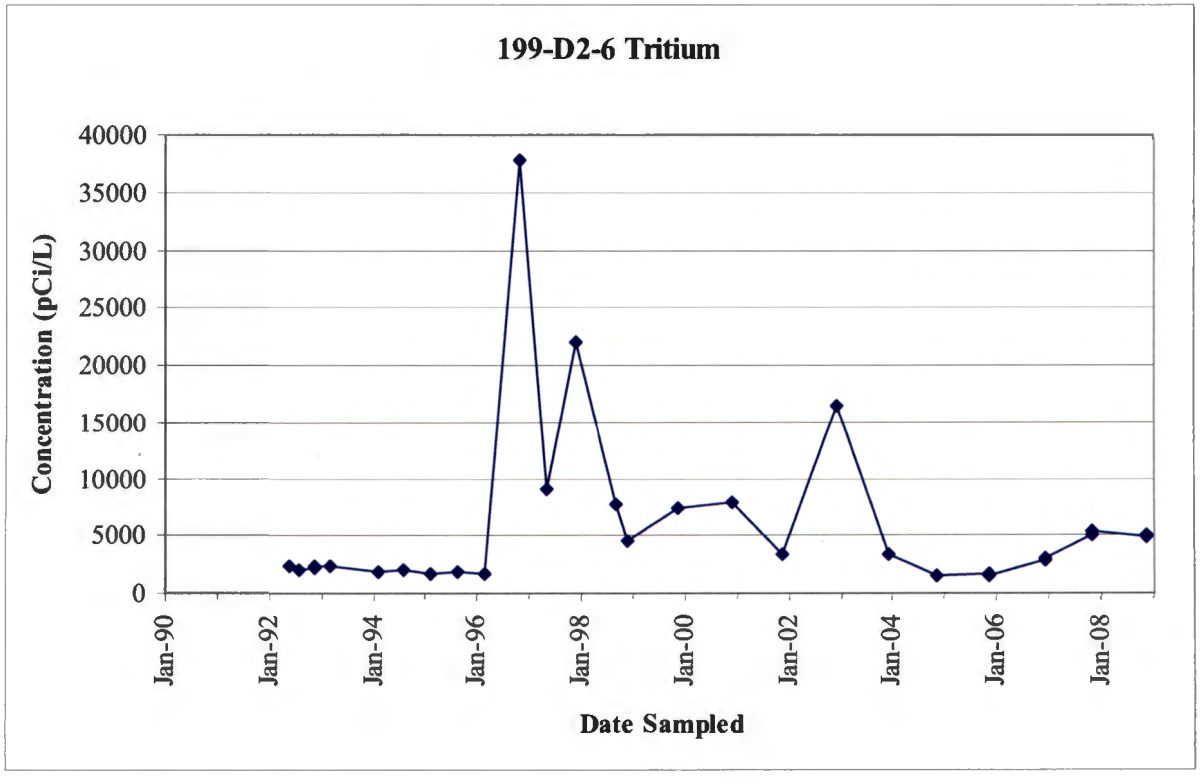

699-96-52B Sulfate
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

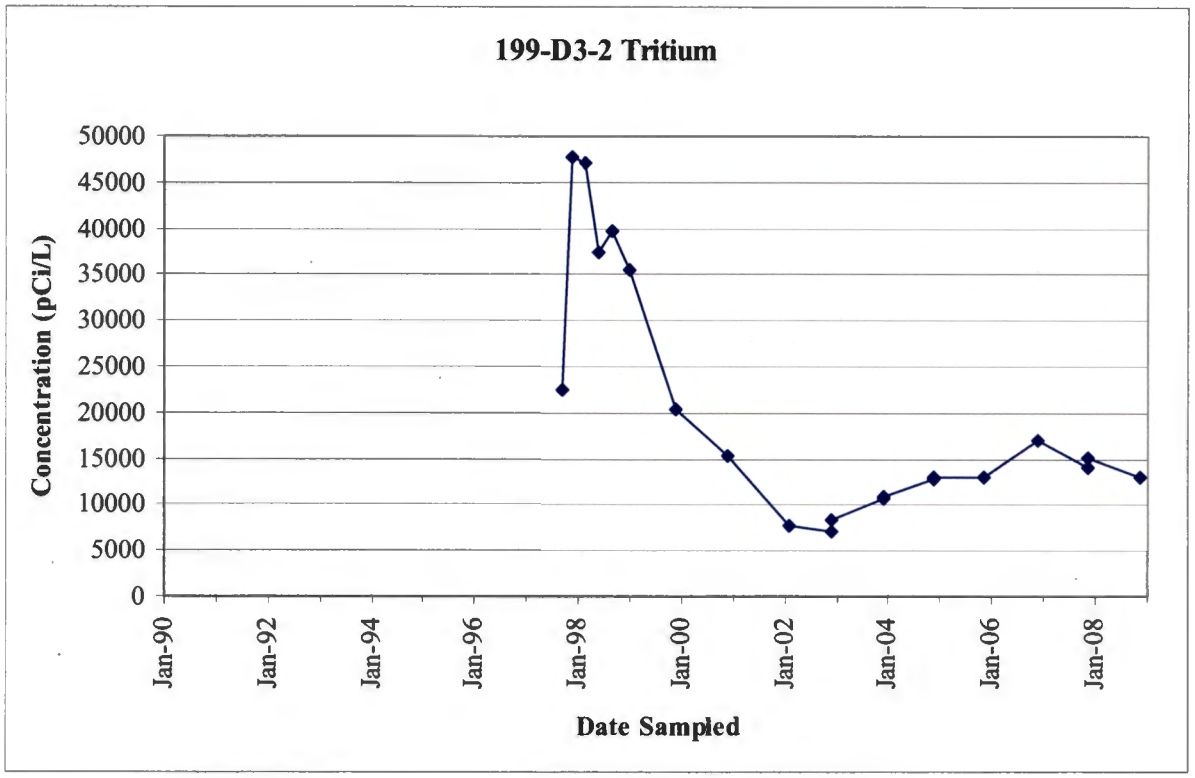

699-97-48B Sulfate
Concentration (ug/L)
60
59
58
57
56
55
54
53
52
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

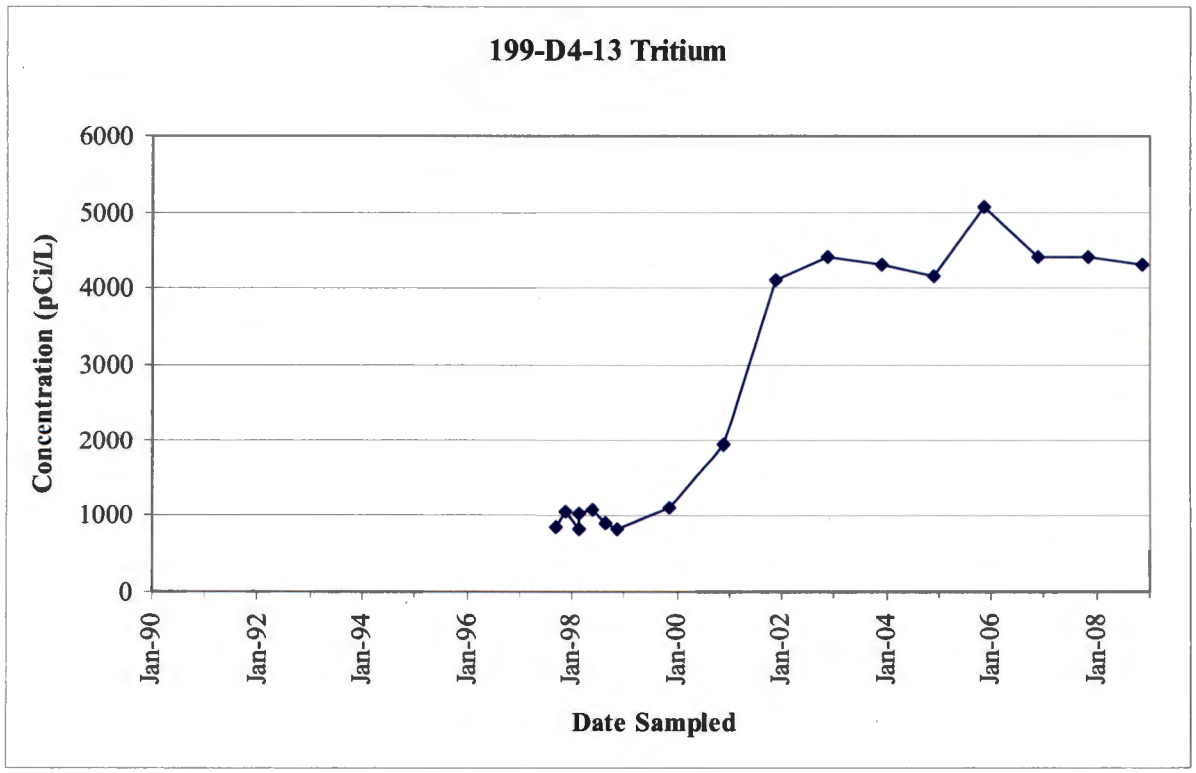

699-97-48C Sulfate
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

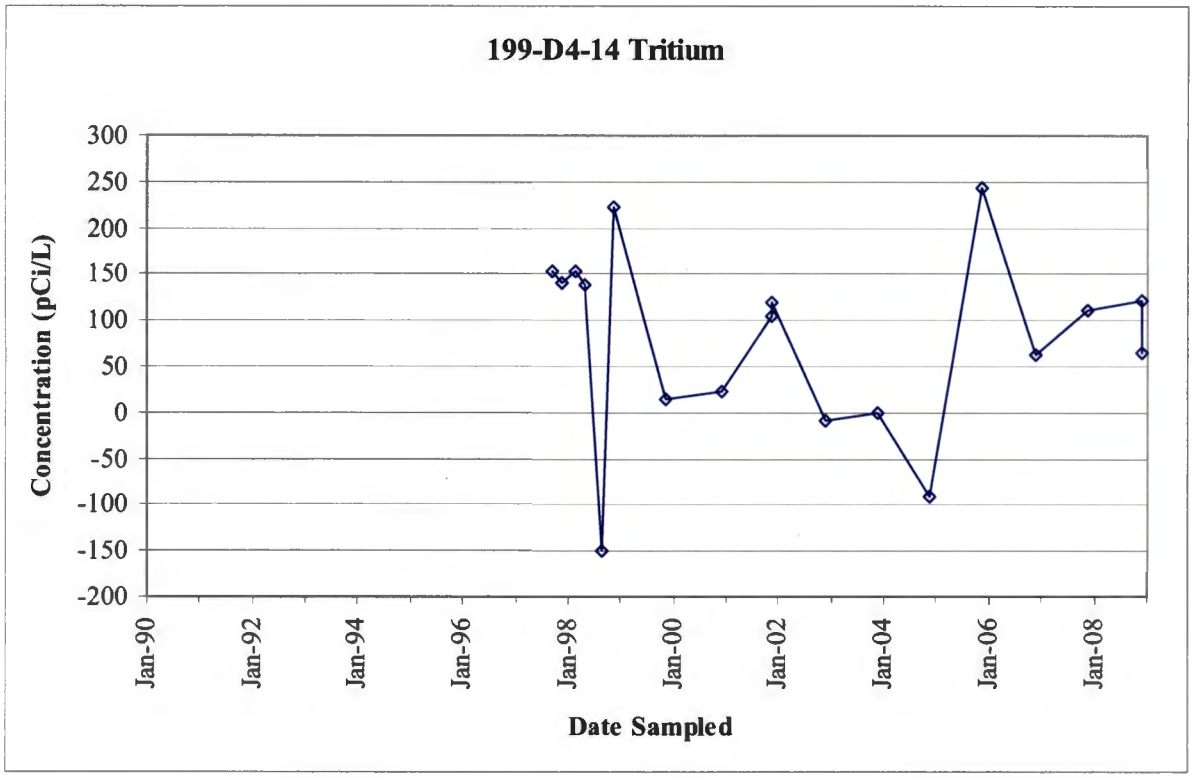

699-97-51A Sulfate
Concentration (ug/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

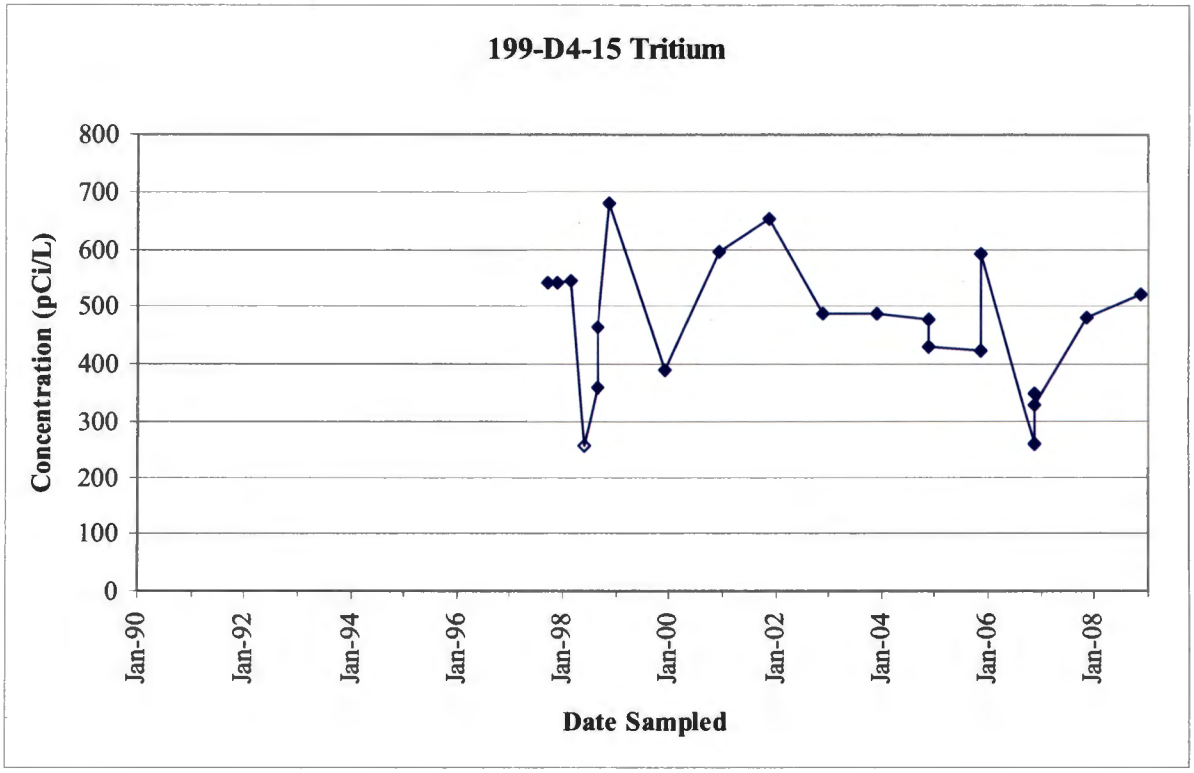

699-98-51 Sulfate
Concentration (ug/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

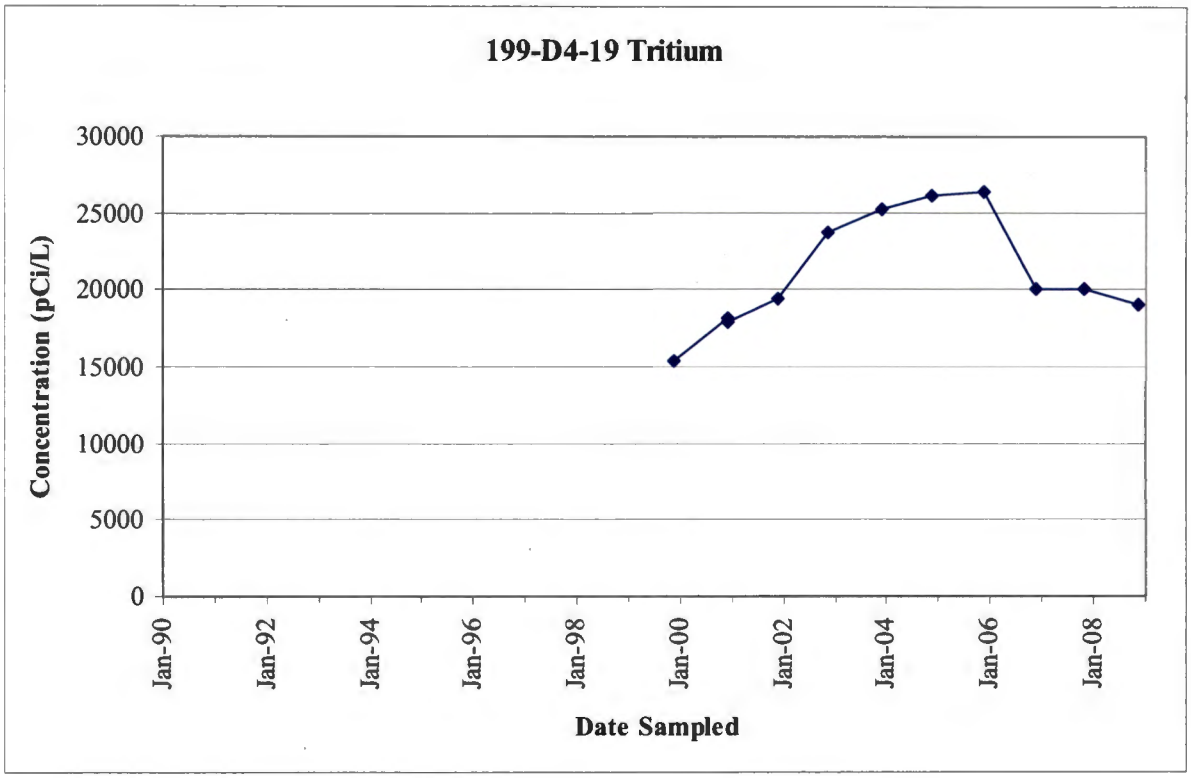

199-D2-6 Tritium
Concentration (pCi/L)
40000
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

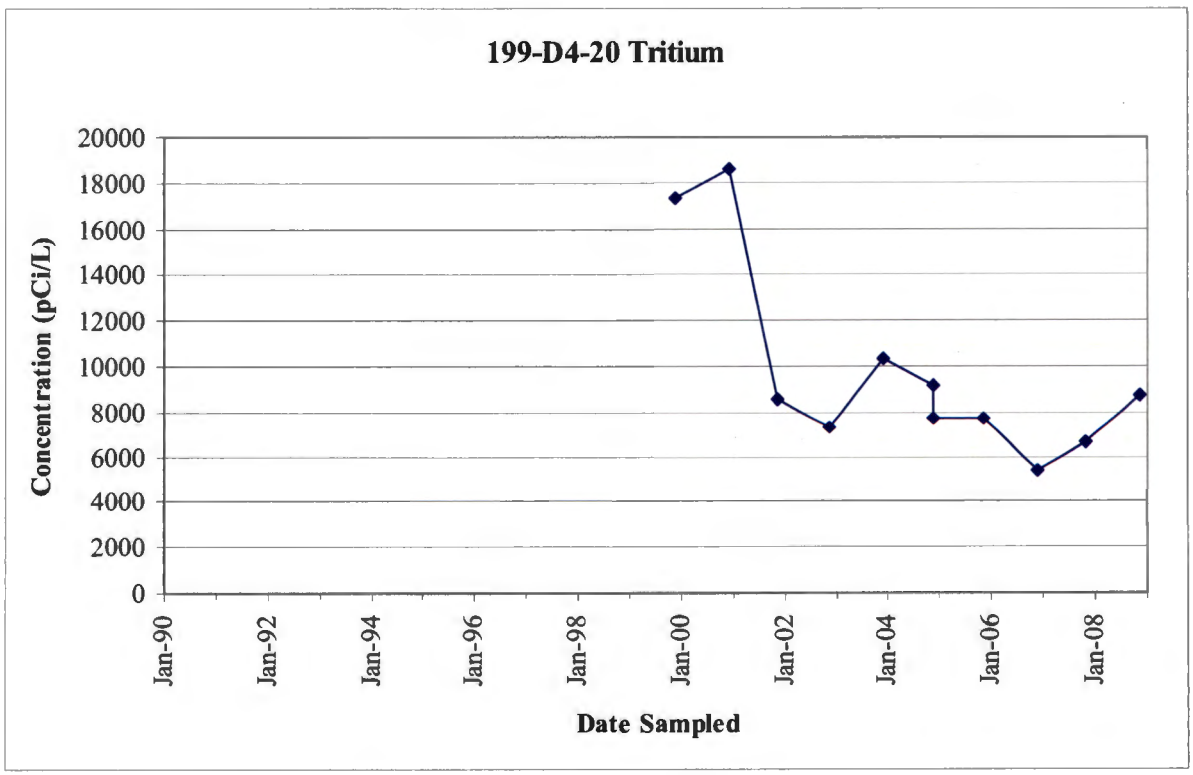

199-D3-2 Tritium
Concentration (pCi/L)
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

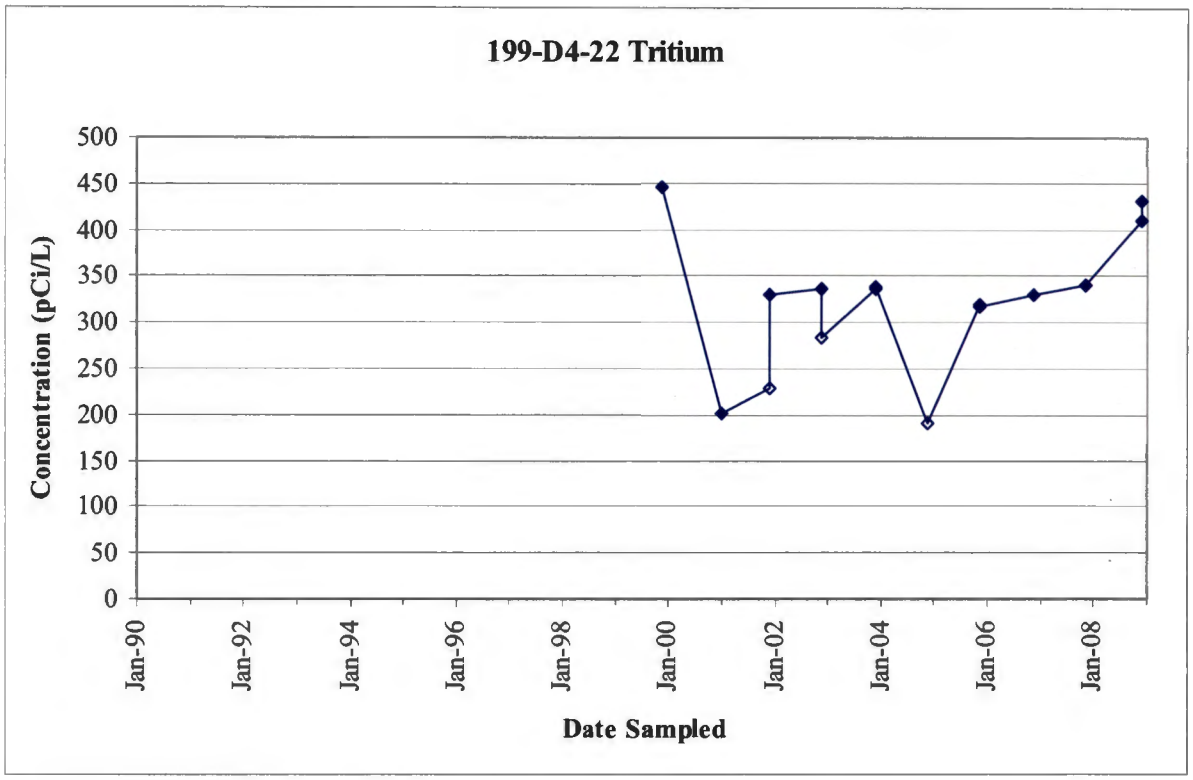

199-D4-13 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

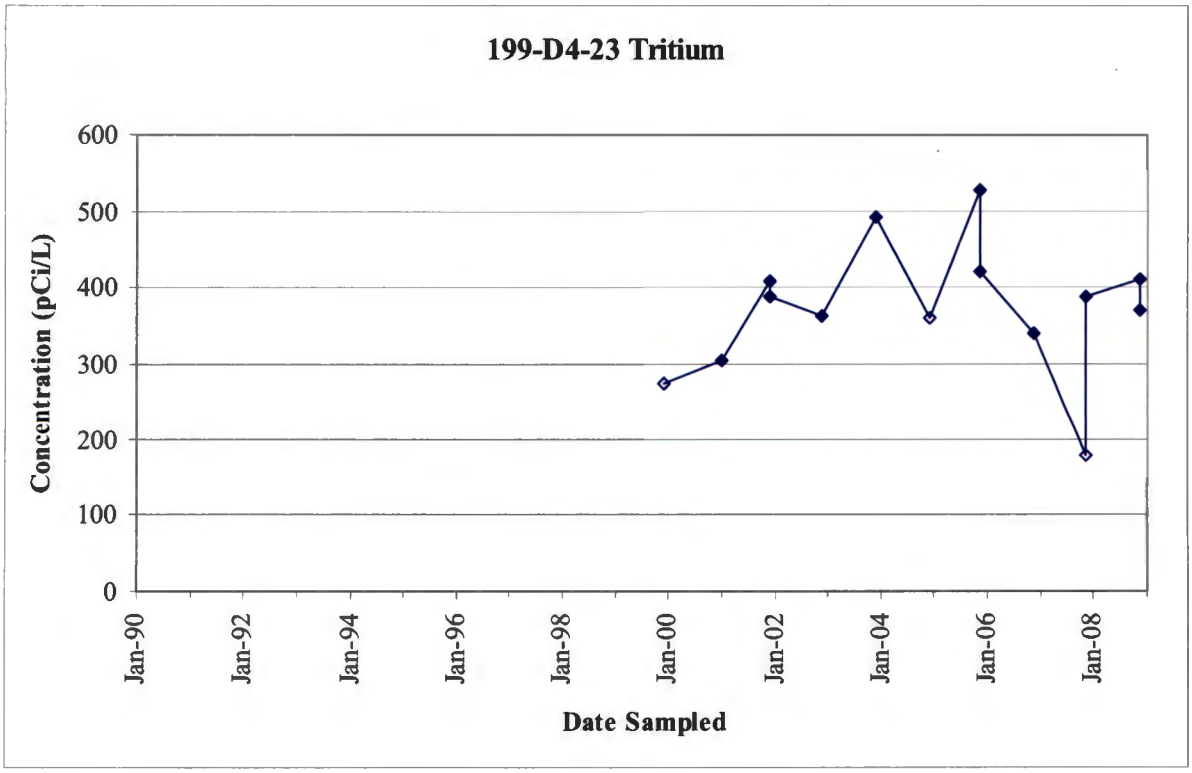

199-D4-14 Tritium
Concentration (pCi/L)
300
250
200
150
100
50
0
-50
-100
-150
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

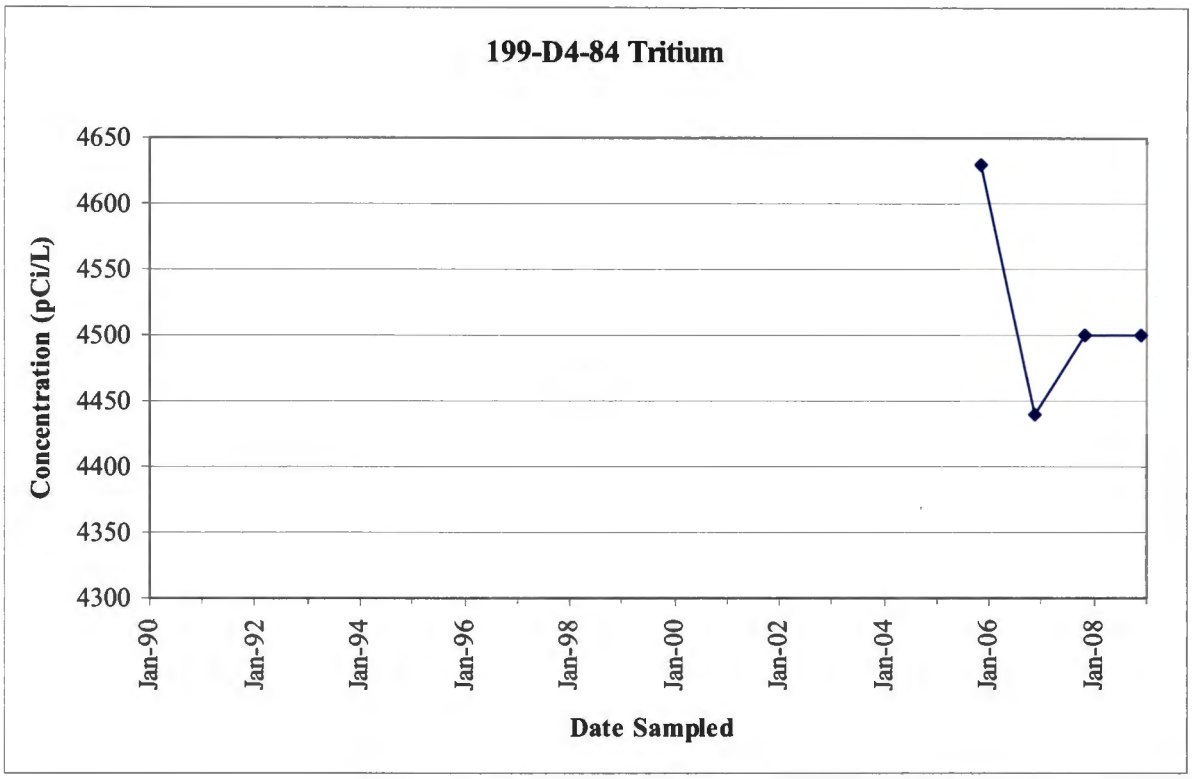

199-D4-15 Tritium
Concentration (pCi/L)
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

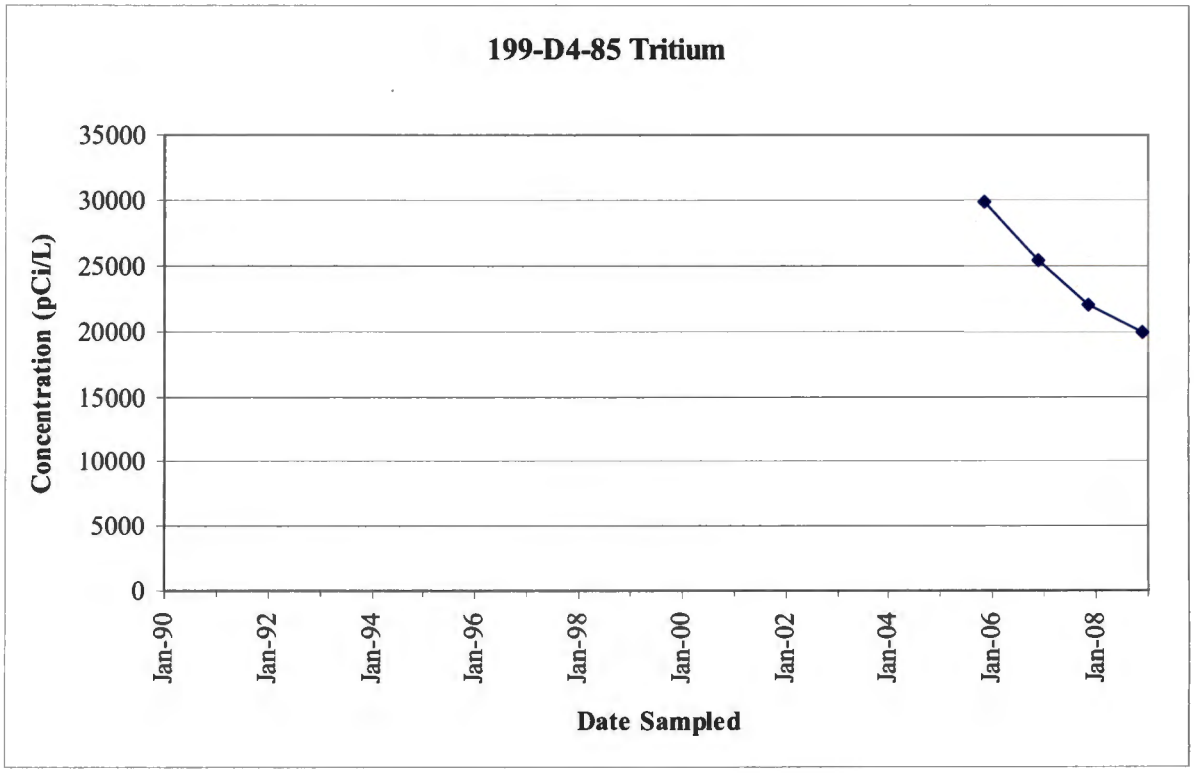

199-D4-19 Tritium
Concentration (pCi/L)
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

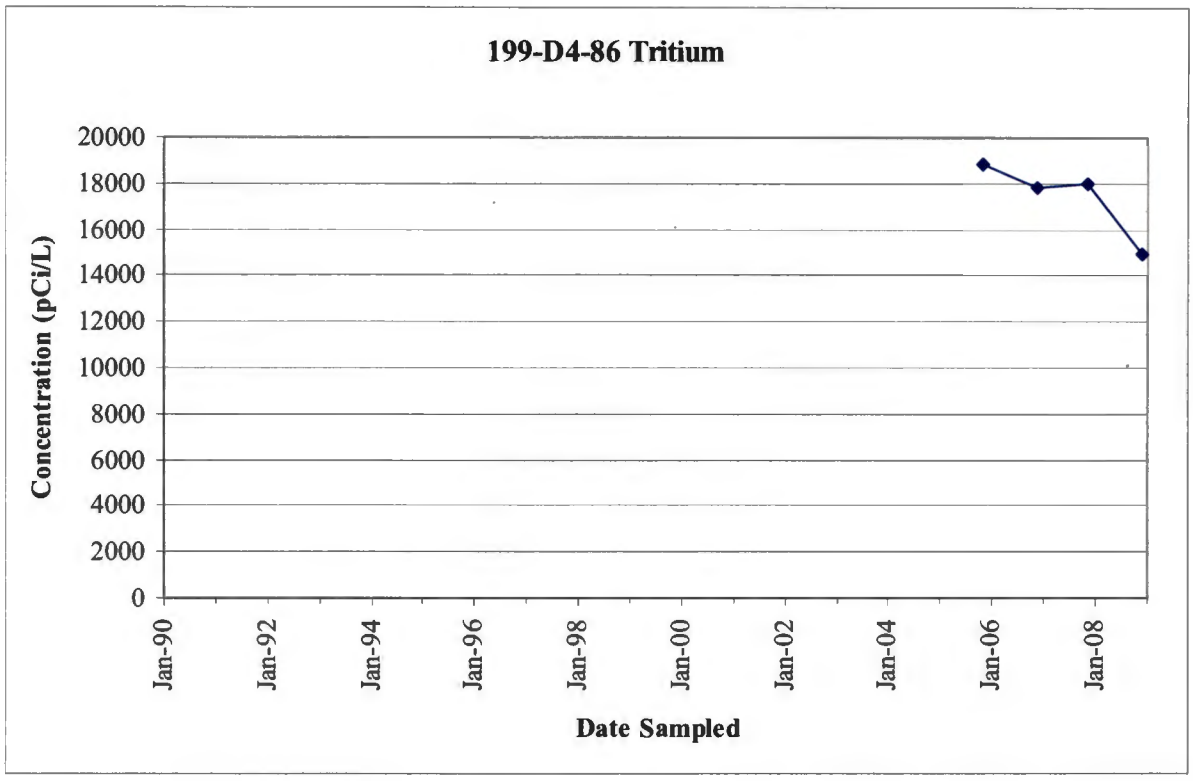

199-D4-20 Tritium
Concentration (pCi/L)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

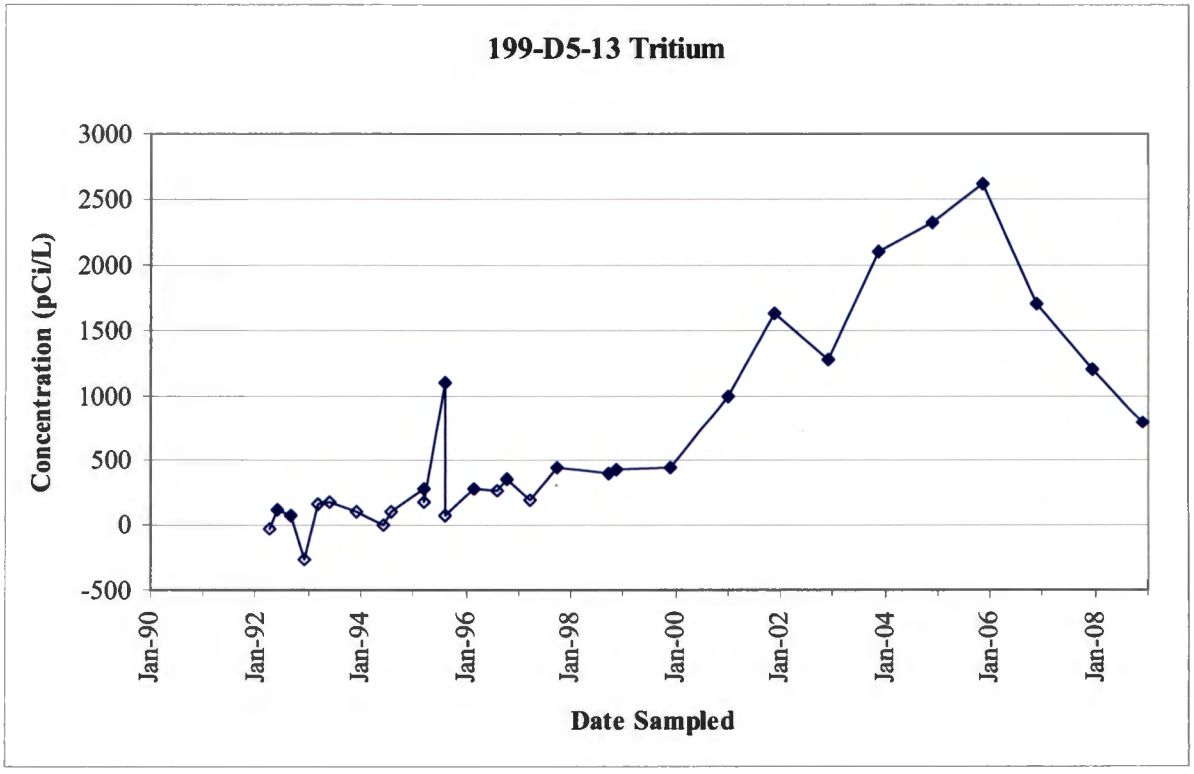

199-D4-22 Tritium
Concentration (pCi/L)
500
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

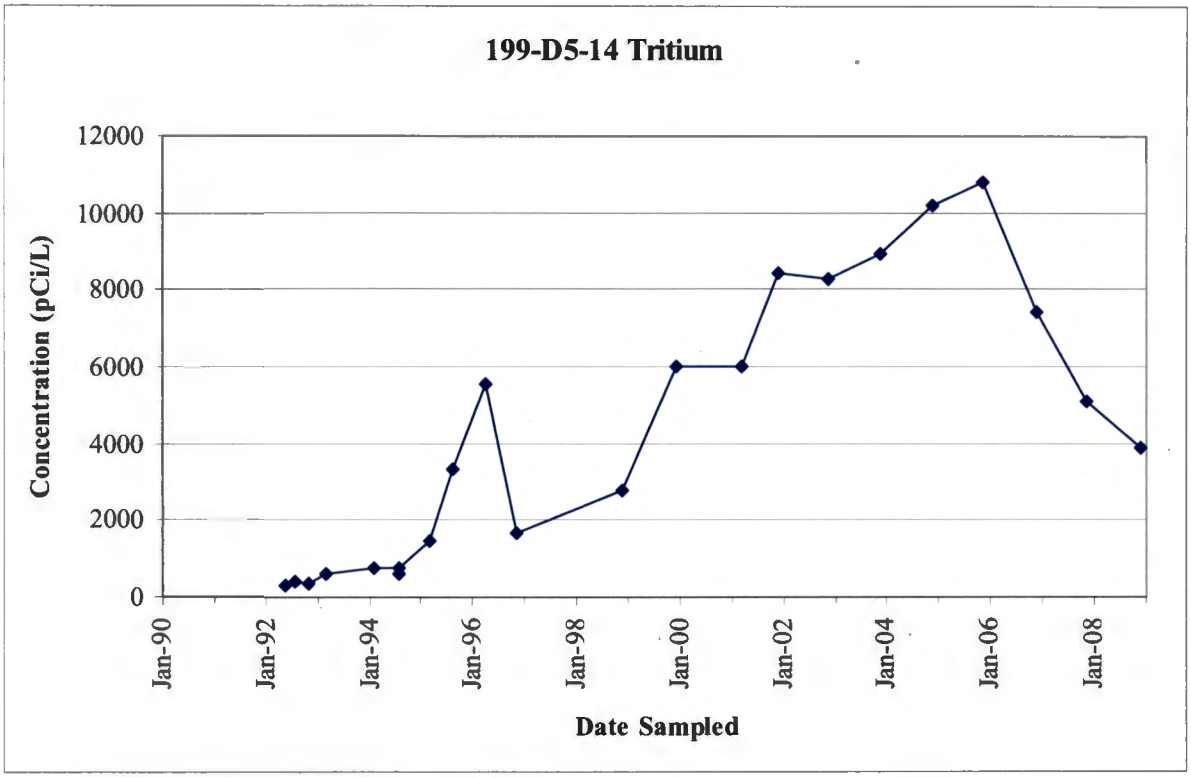

199-D4-23 Tritium
Concentration (pCi/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

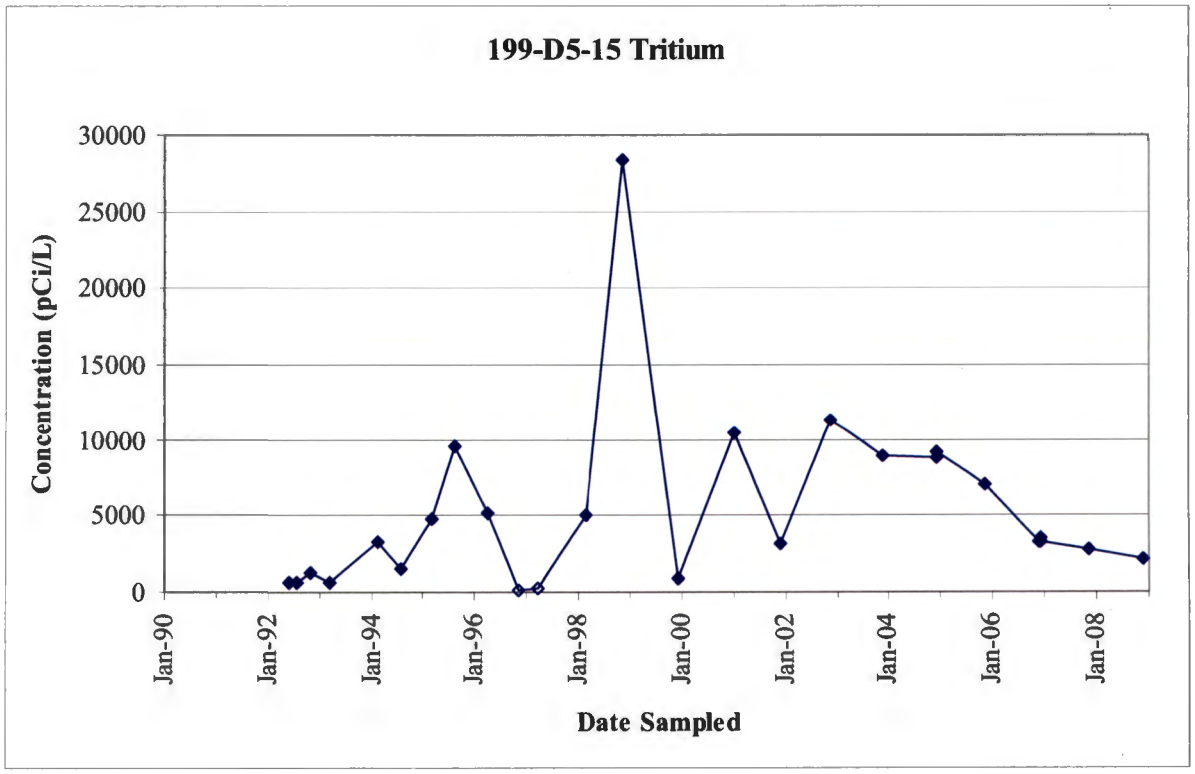

199-D4-84 Tritium
Concentration (pCi/L)
4650
4600
4550
4500
4450
4400
4350
4300
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

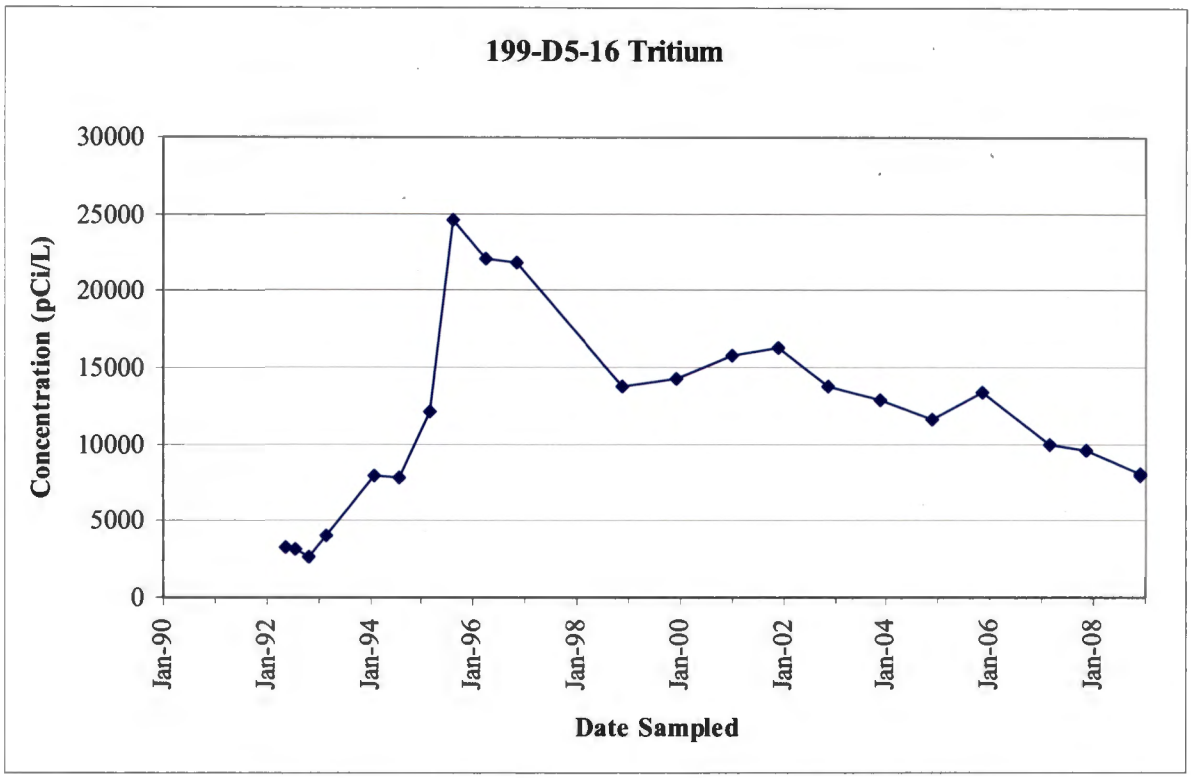

199-D4-85 Tritium
Concentration (pCi/L)
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

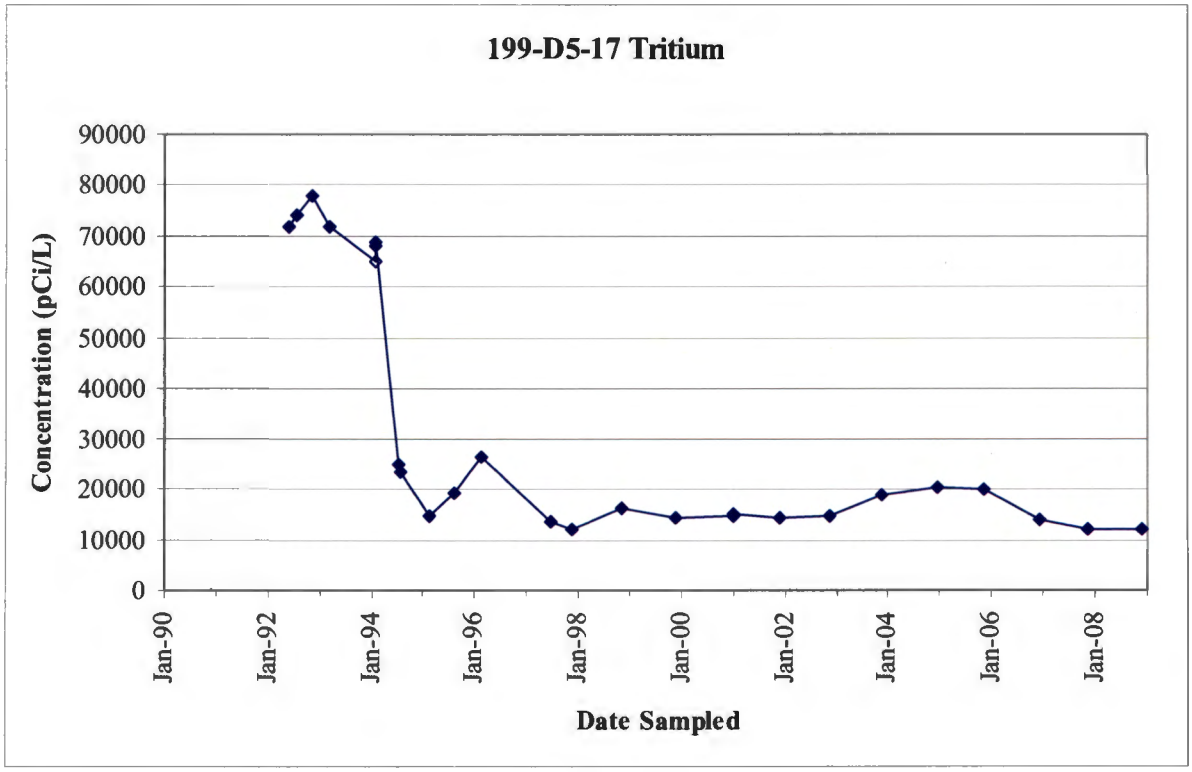

199-D4-86 Tritium
Concentration (pCi/L)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

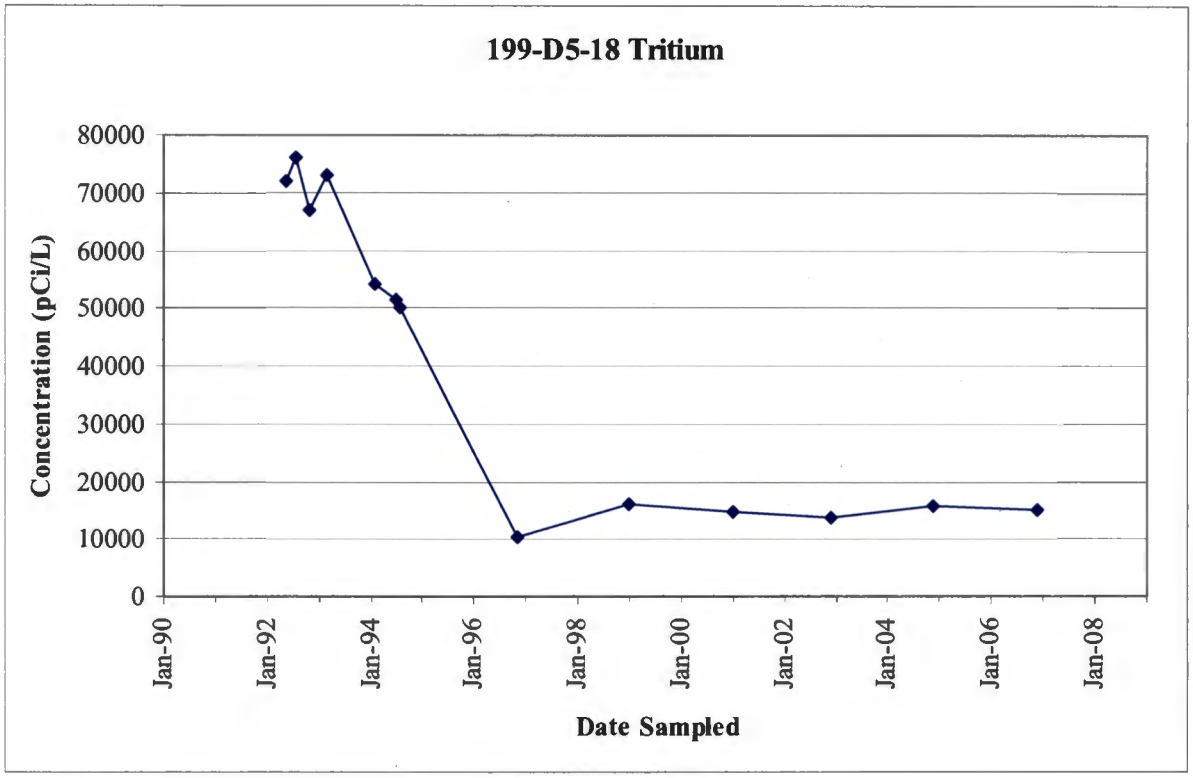

199-D5-13 Tritium
Concentration (pCi/L)
3000
2500
2000
1500
1000
500
0
-500
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

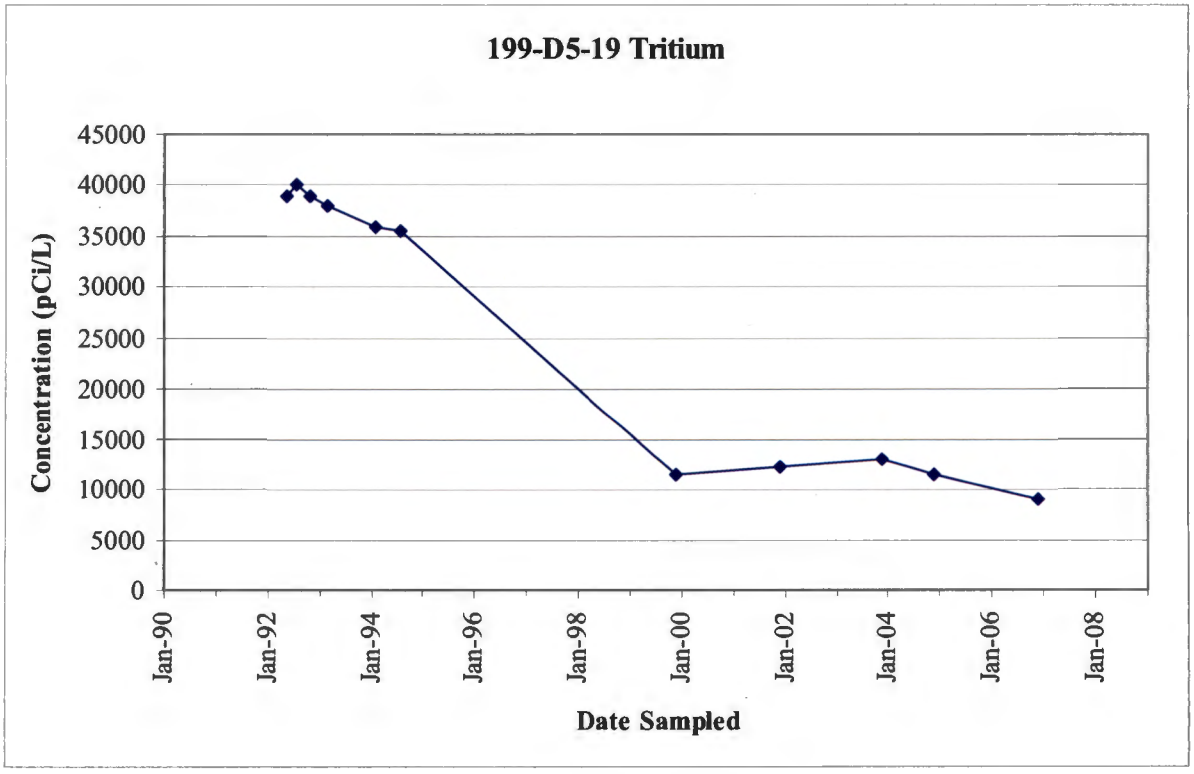

199-D5-14 Tritium
Concentration (pCi/L)
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

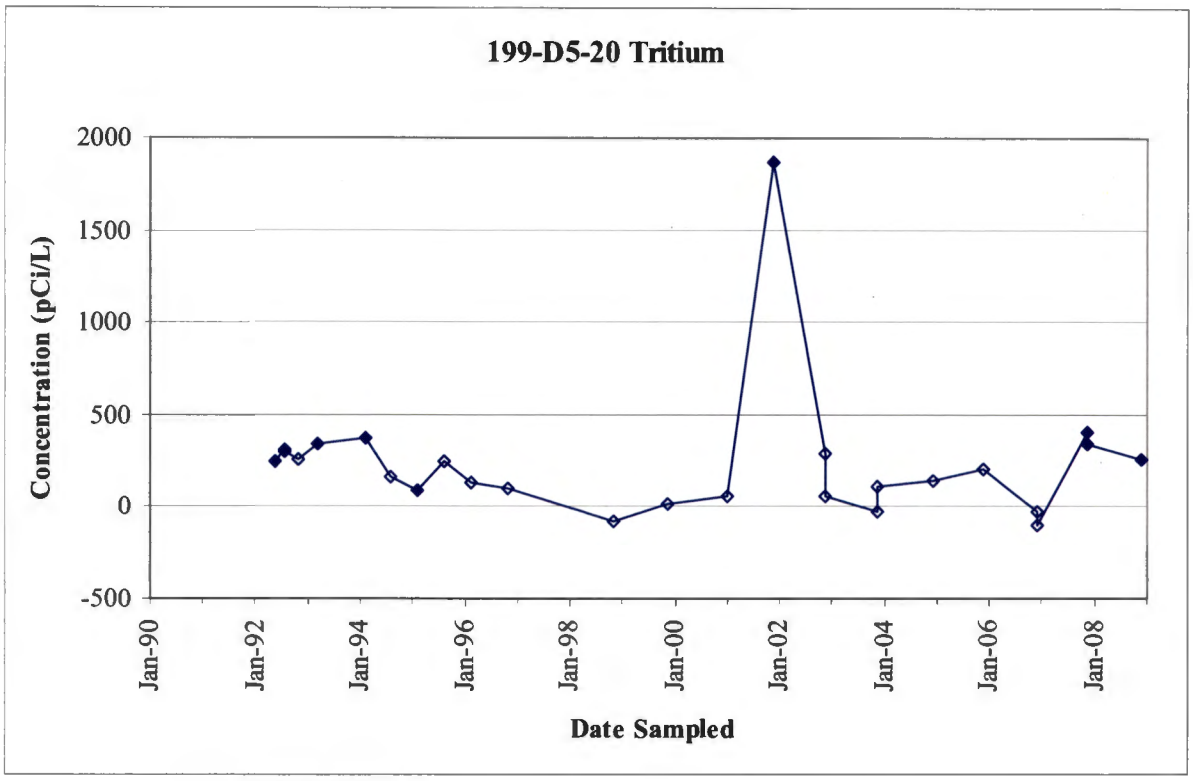

199-D5-15 Tritium
Concentration (pCi/L)
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

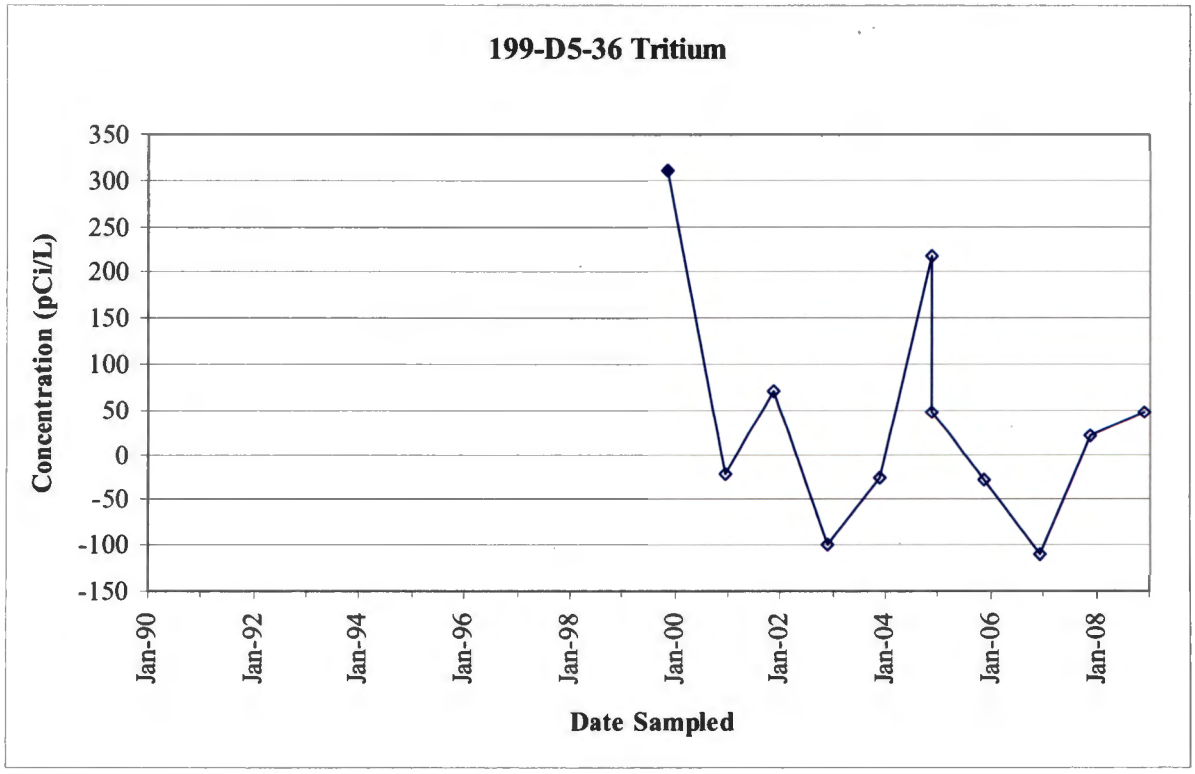

199-D5-16 Tritium
Concentration (pCi/L)
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

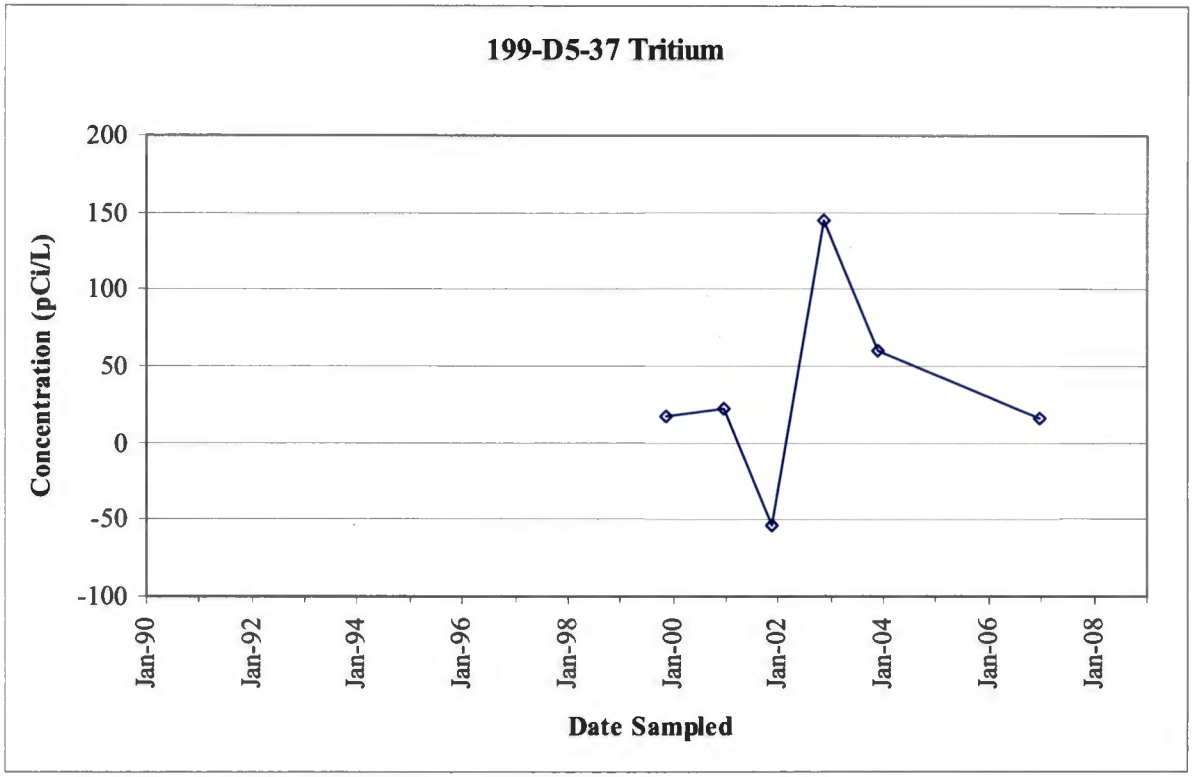

199-D5-17 Tritium
Concentration (pCi/L)
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

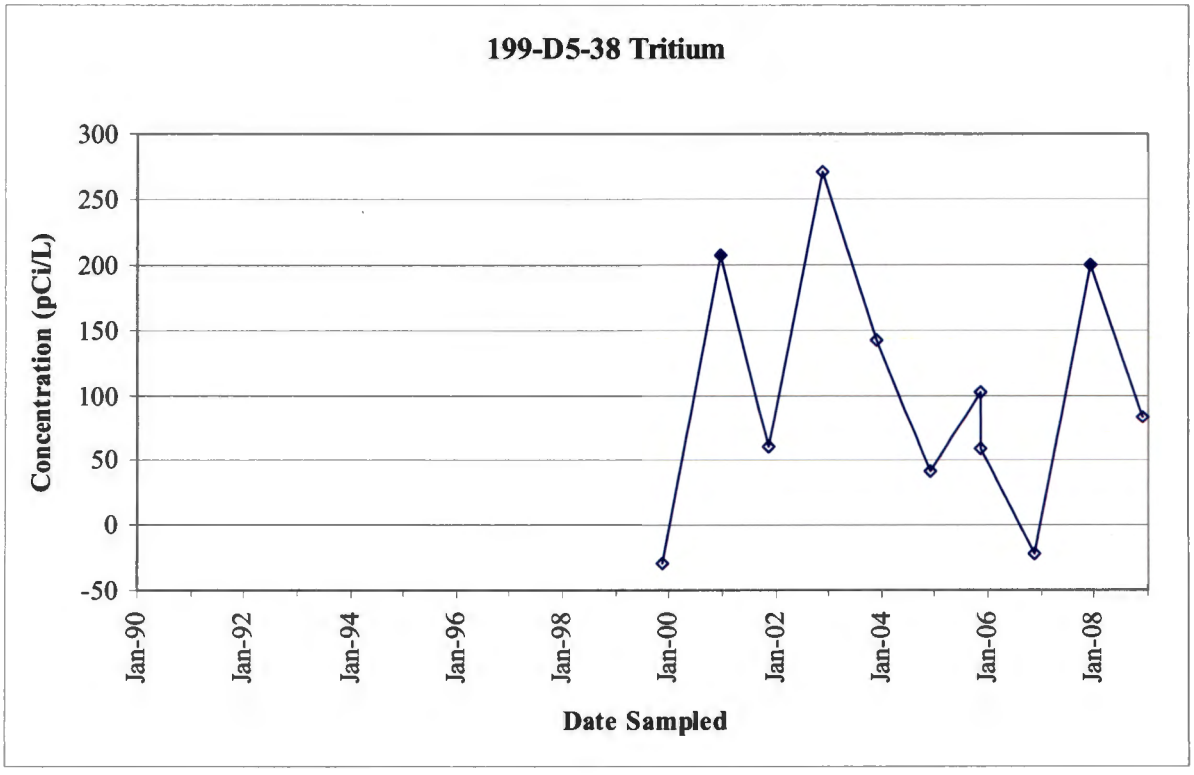

199-D5-18 Tritium
Concentration (pCi/L)
80000
70000
60000
50000
40000
30000
20000
10000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

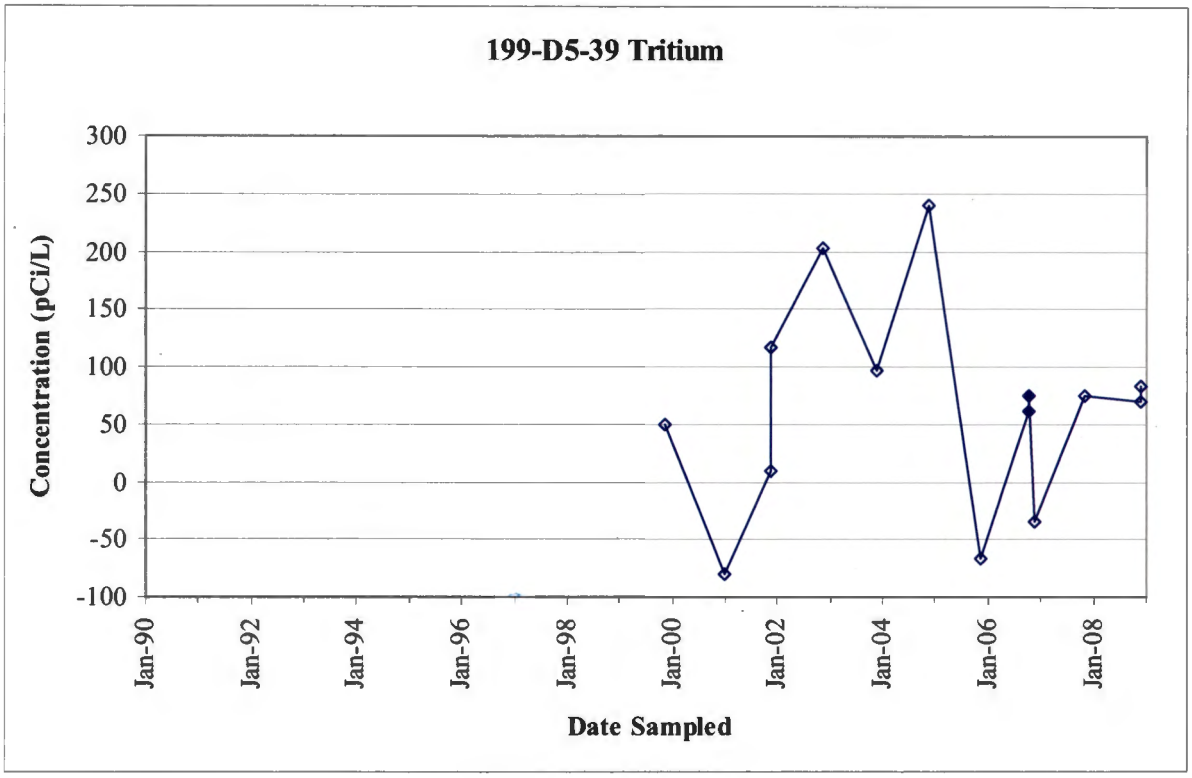

199-D5-19 Tritium
Concentration (pCi/L)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

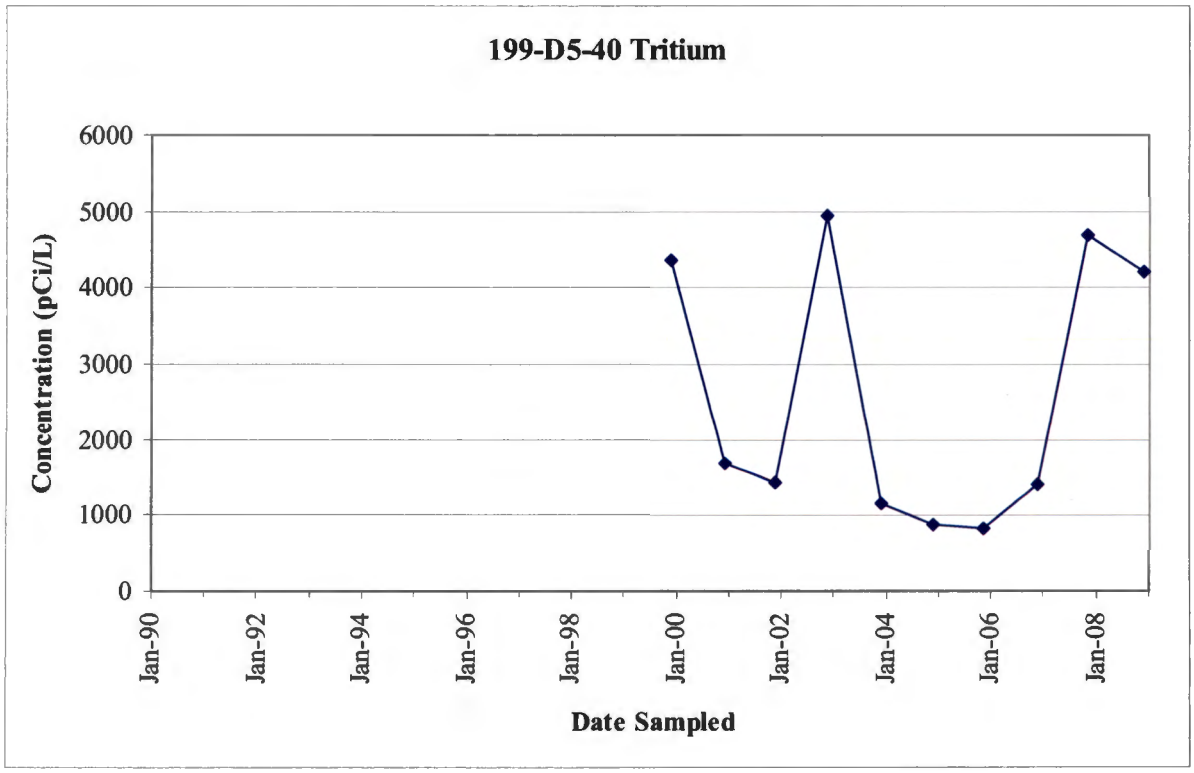

199-D5-20 Tritium
Concentration (pCi/L)
2000
1500
1000
500
0
-500
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

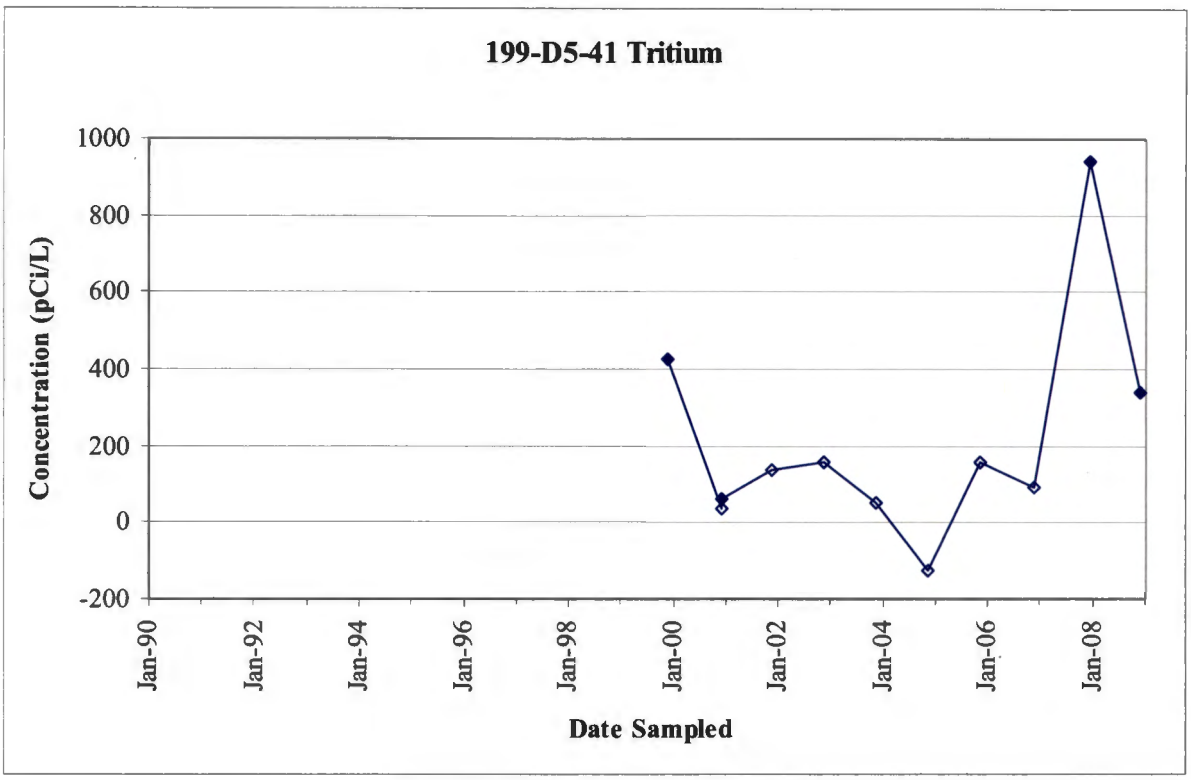

199-D5-36 Tritium
Concentration (pCi/L)
350
300
250
200
150
100
50
0
-50
-100
-150
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

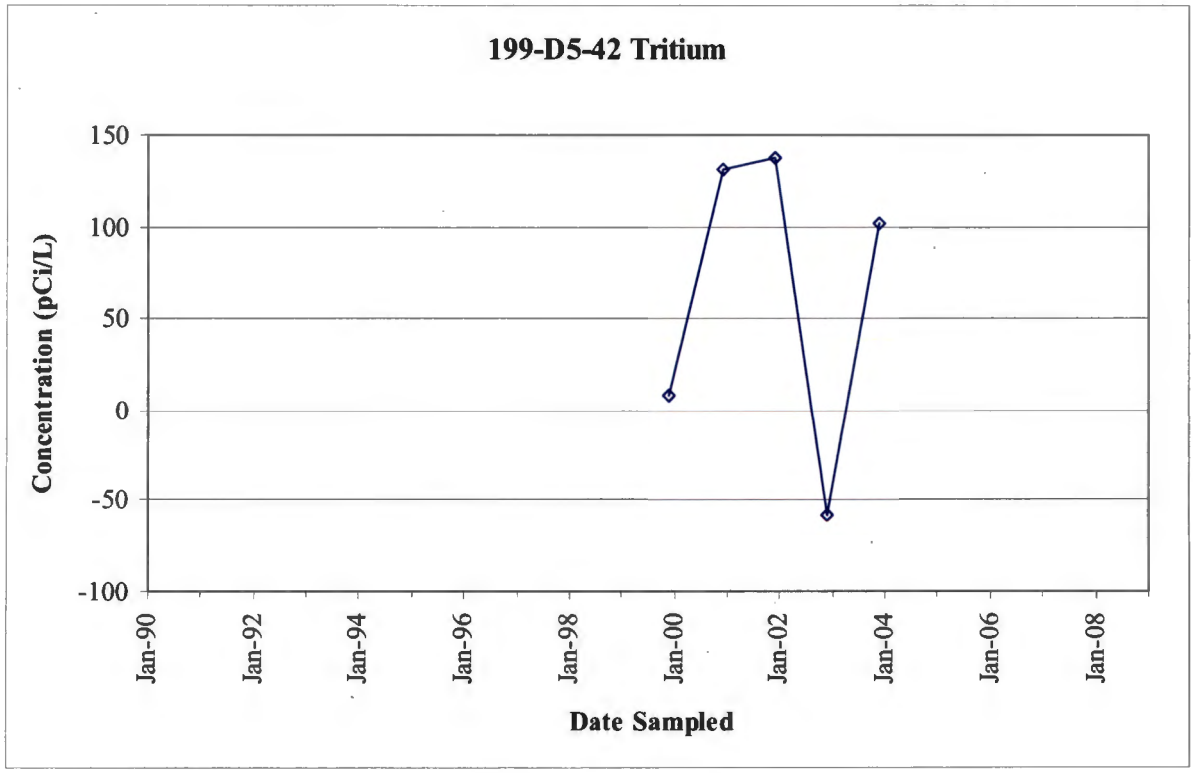

199-D5-37 Tritium
Concentration (pCi/L)
200
150
100
50
0
-50
-100
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

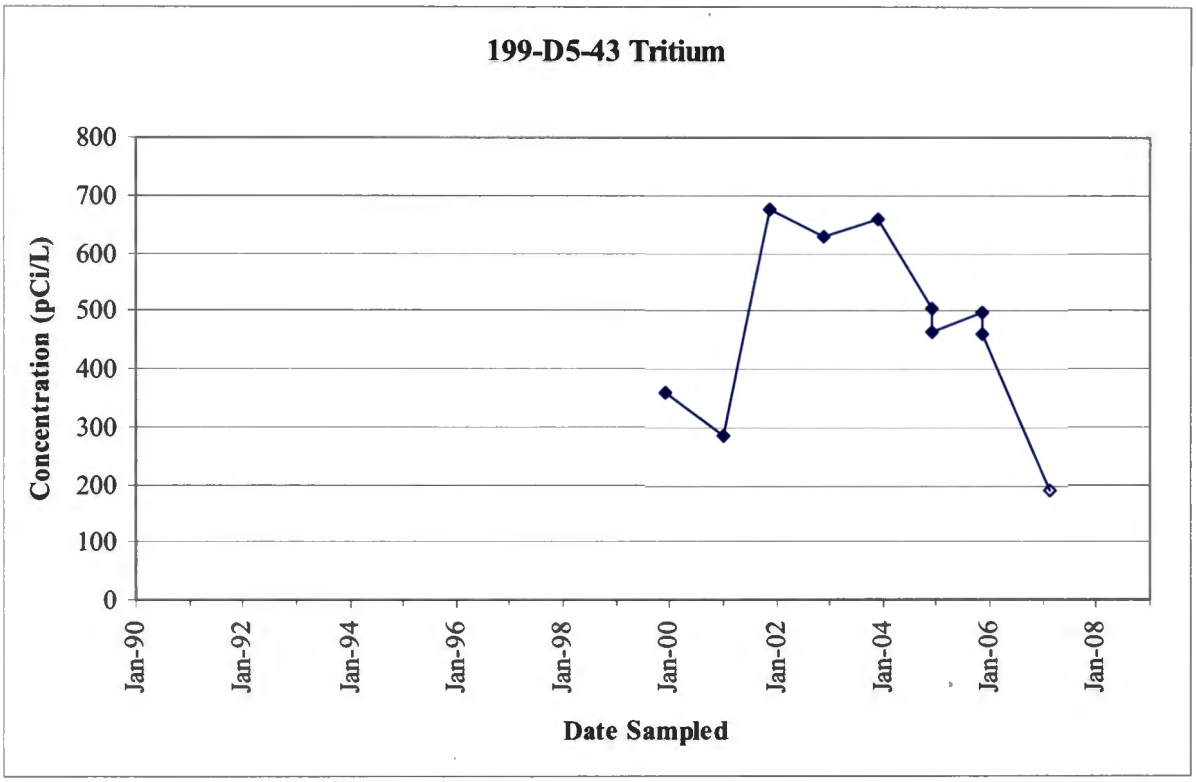

199-D5-38 Tritium
Concentration (pCi/L)
300
250
200
150
100
50
0
-50
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

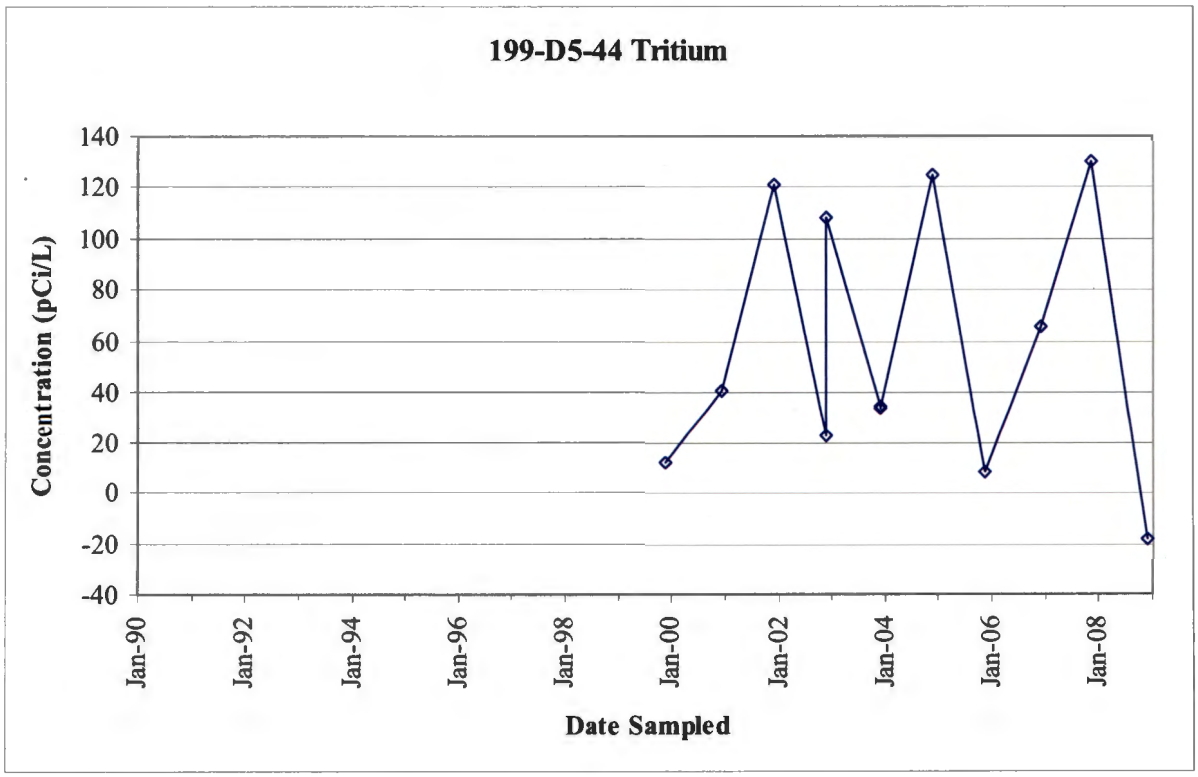

199-D5-39 Tritium
Concentration (pCi/L)
300
250
200
150
100
50
0
-50
-100
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

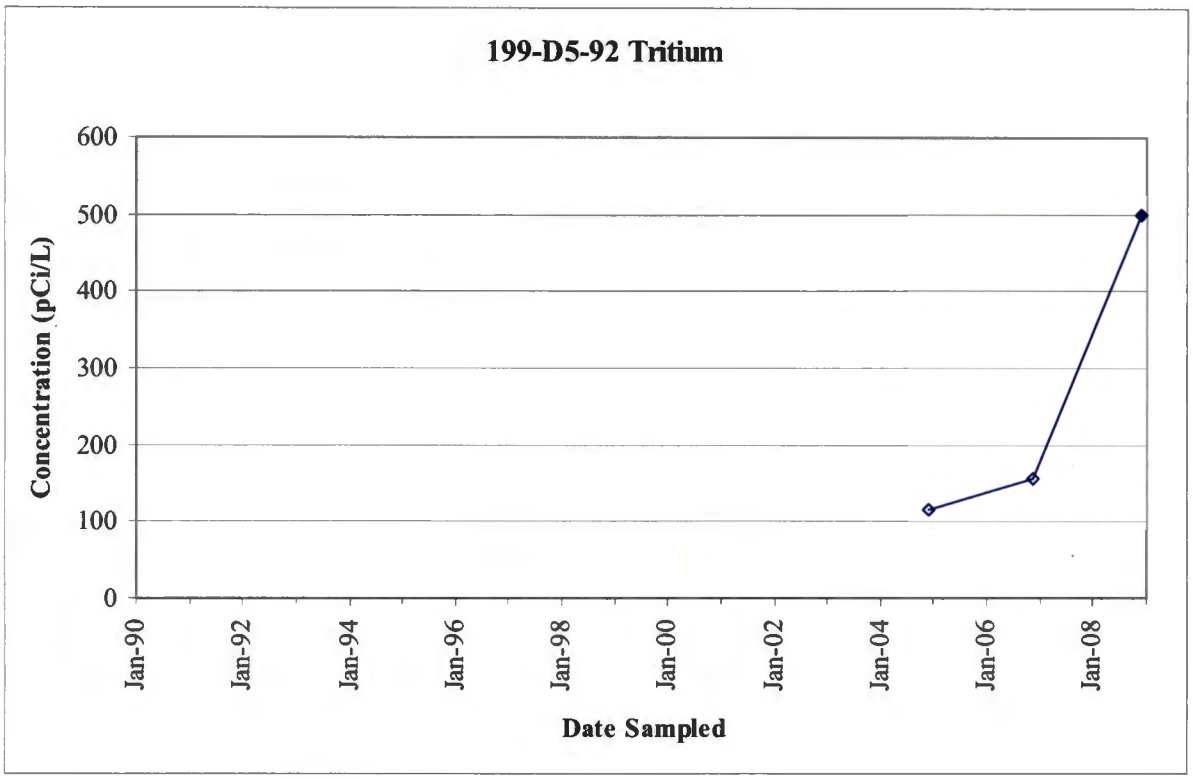

199-D5-40 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

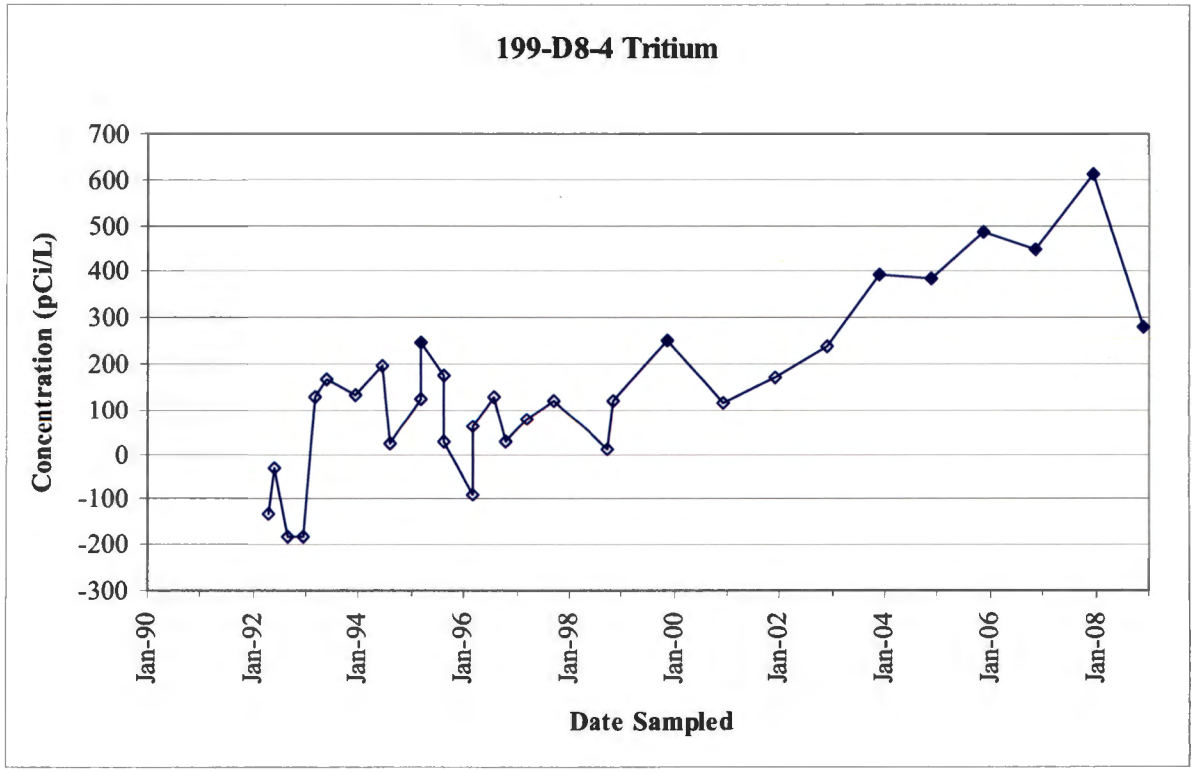

199-D5-41 Tritium
Concentration (pCi/L)
1000
800
600
400
200
0
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

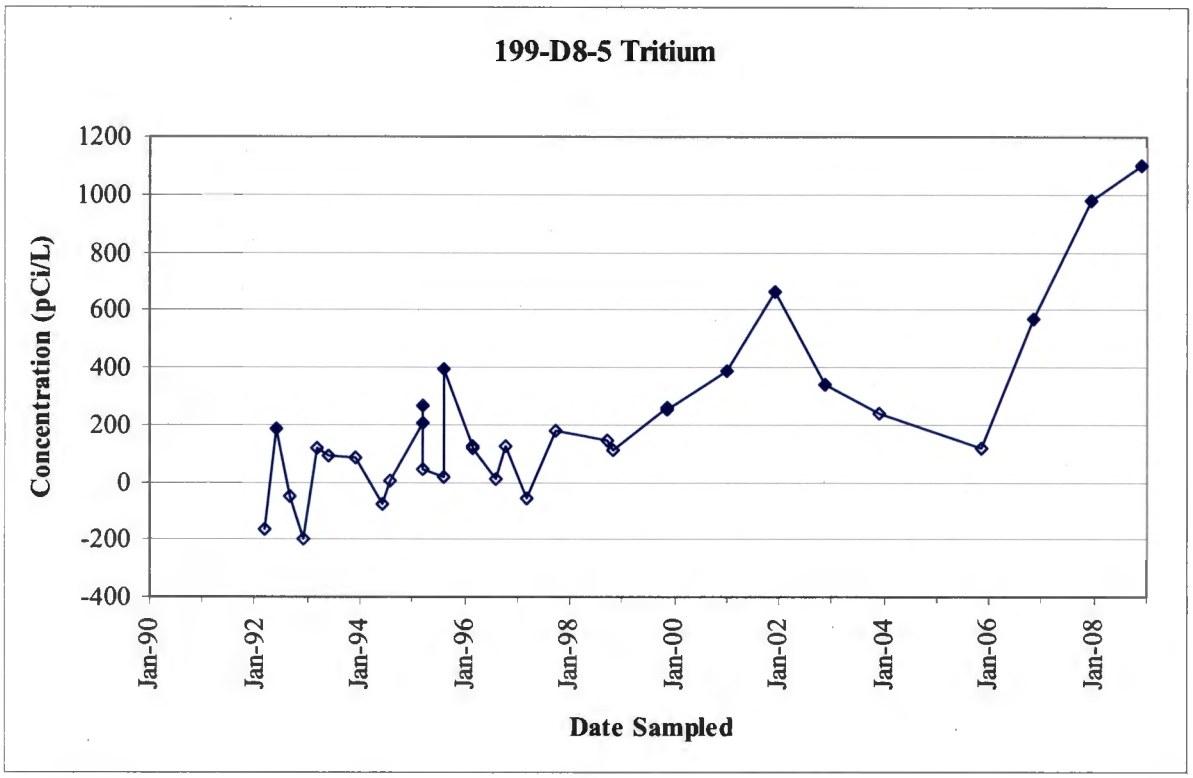

199-D5-42 Tritium
Concentration (pCi/L)
150
100
50
0
-50
-100
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

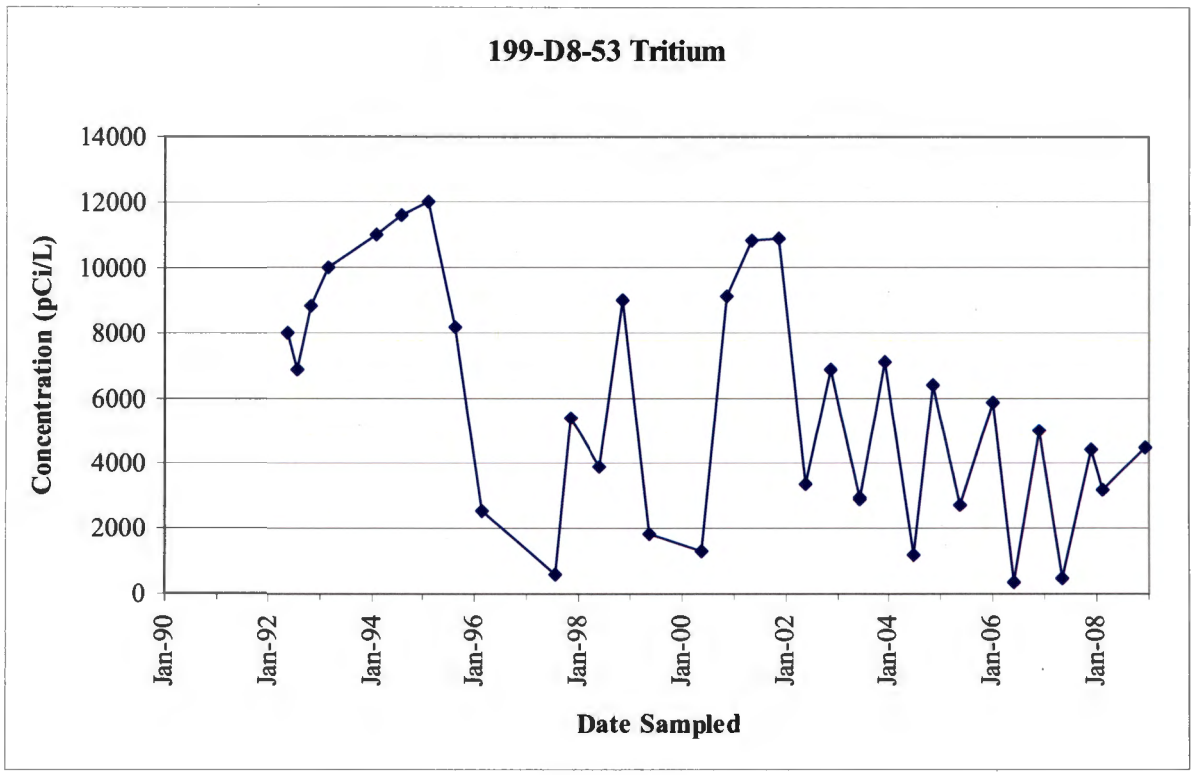

199-D5-43 Tritium
Concentration (pCi/L)
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

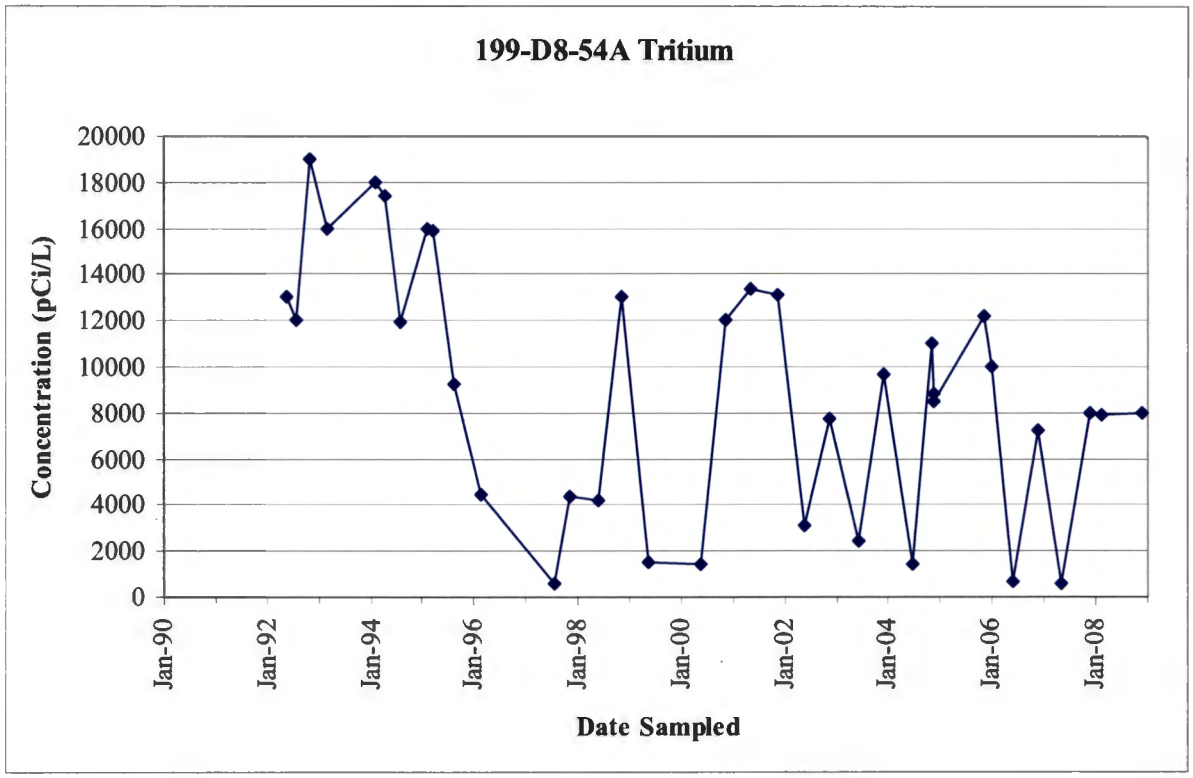

199-D5-44 Tritium
Concentration (pCi/L)
140
120
100
80
60
40
20
0
-20
-40
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

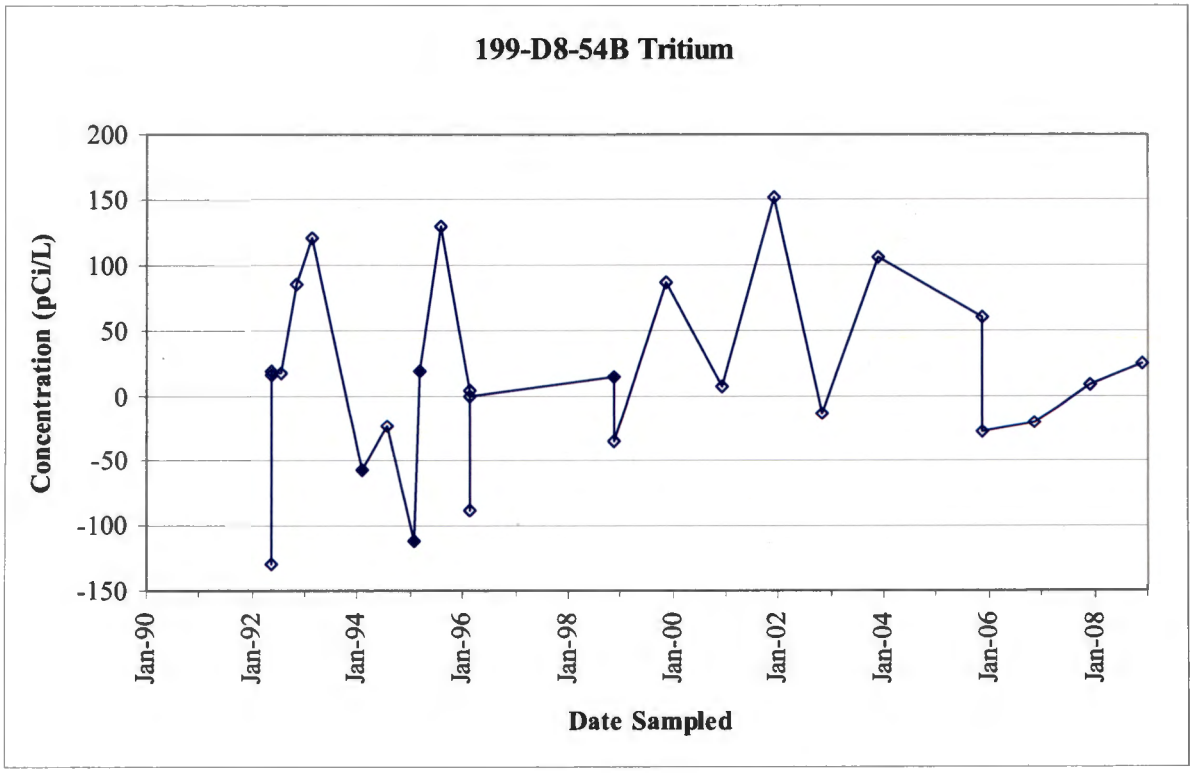

199-D5-92 Tritium
Concentration (pCi/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

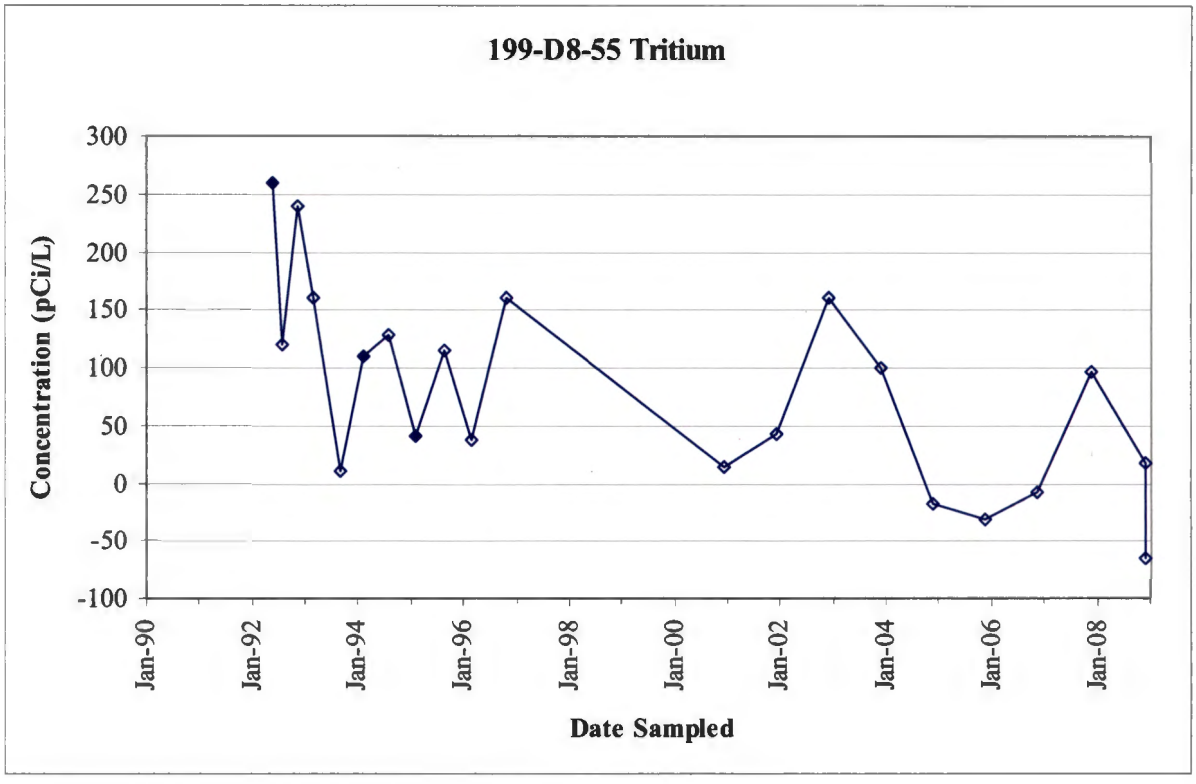

199-D8-4 Tritium
Concentration (pCi/L)
700
600
500
400
300
200
100
0
-100
-200
-300
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

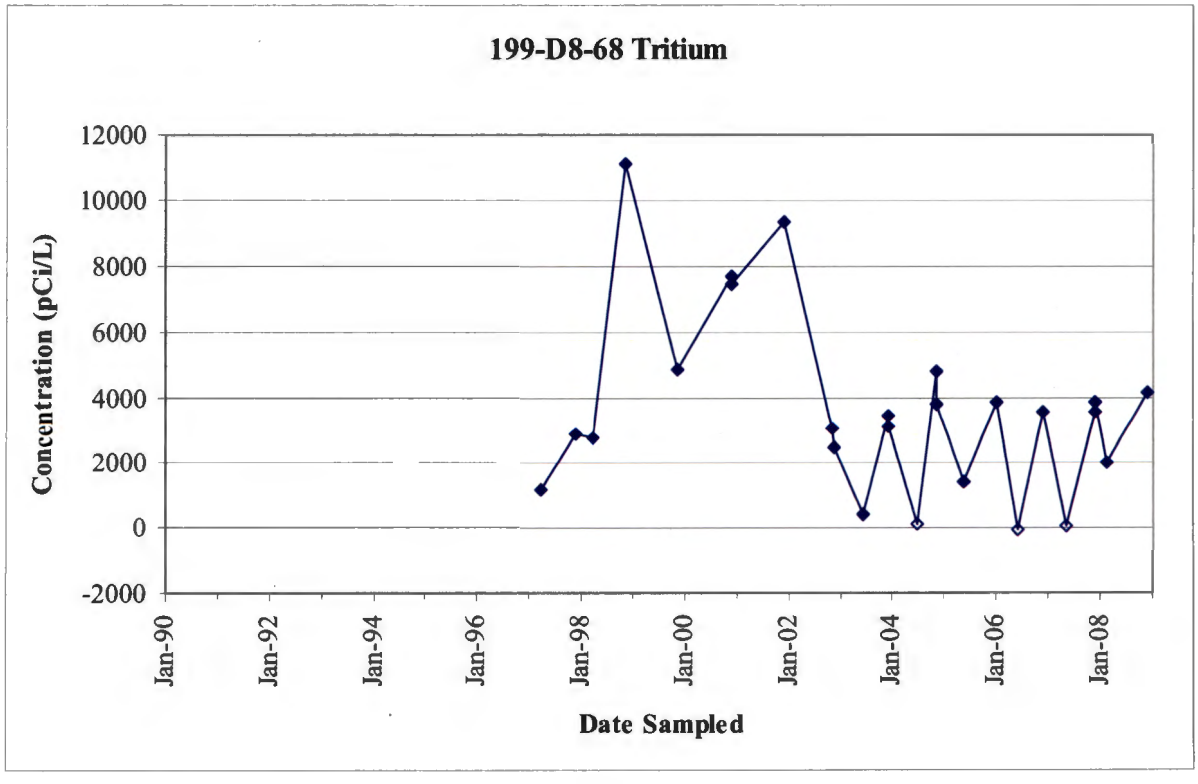

199-D8-5 Tritium
Concentration (pCi/L)
1200
1000
800
600
400
200
0
-200
-400
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

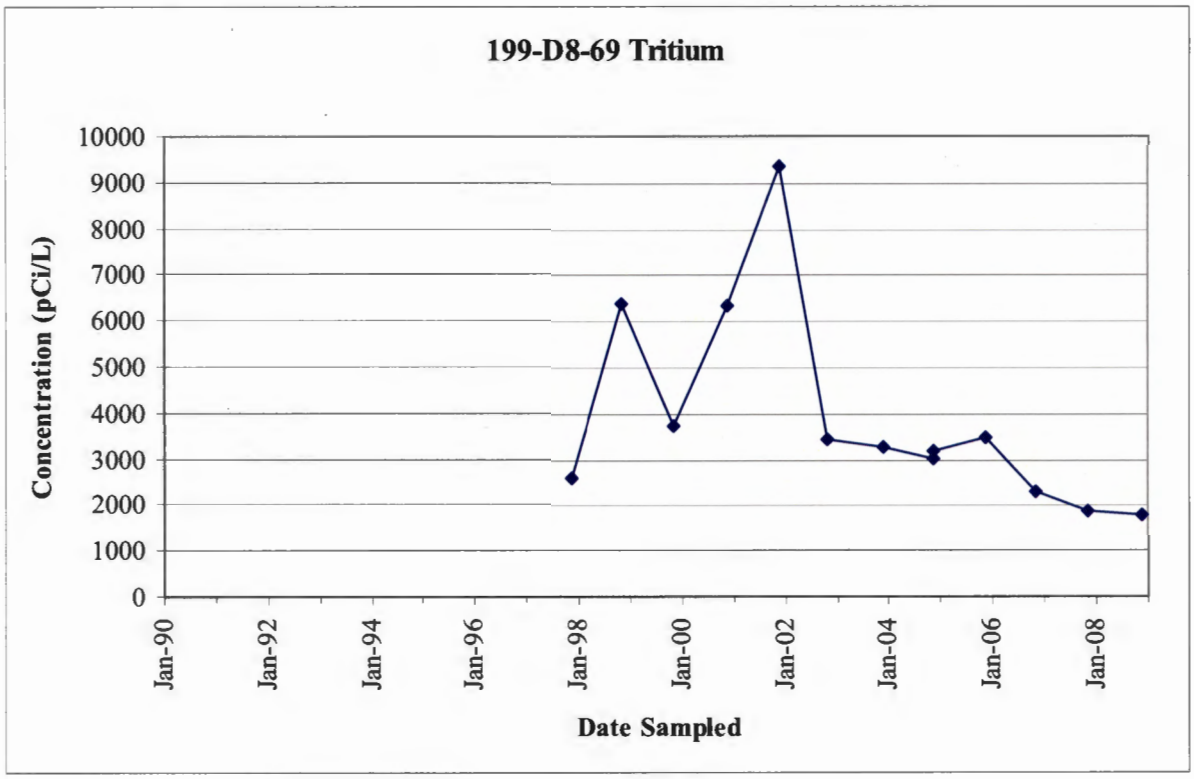

199-D8-53 Tritium
Concentration (pCi/L)
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

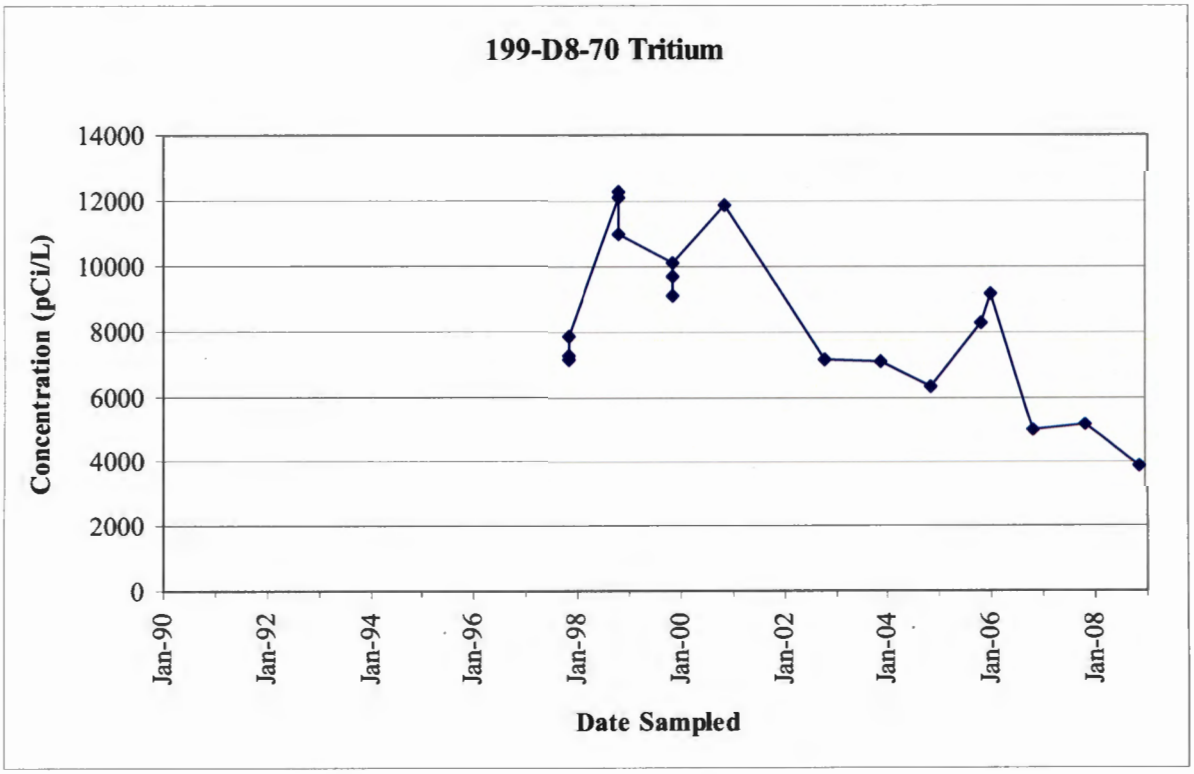

199-D8-54A Tritium
Concentration (pCi/L)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

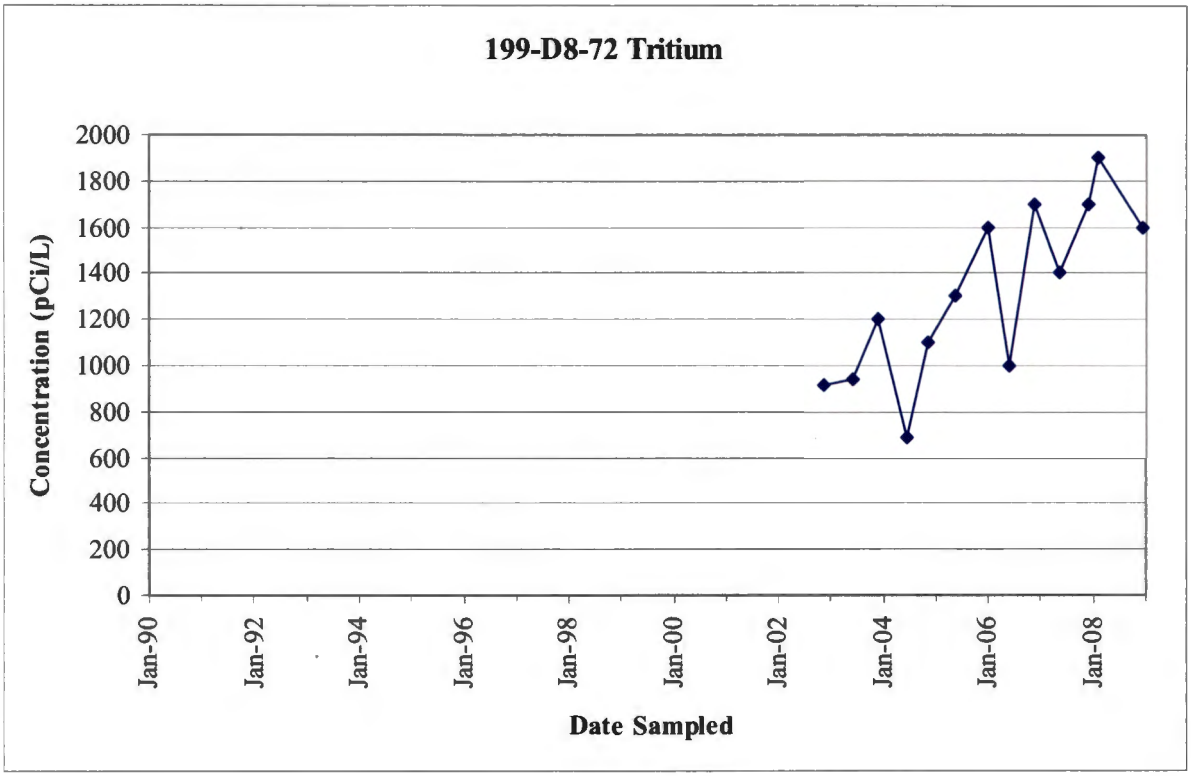

199-D8-54B Tritium
Concentration (pCi/L)
200
150
100
50
0
-50
-100
-150
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

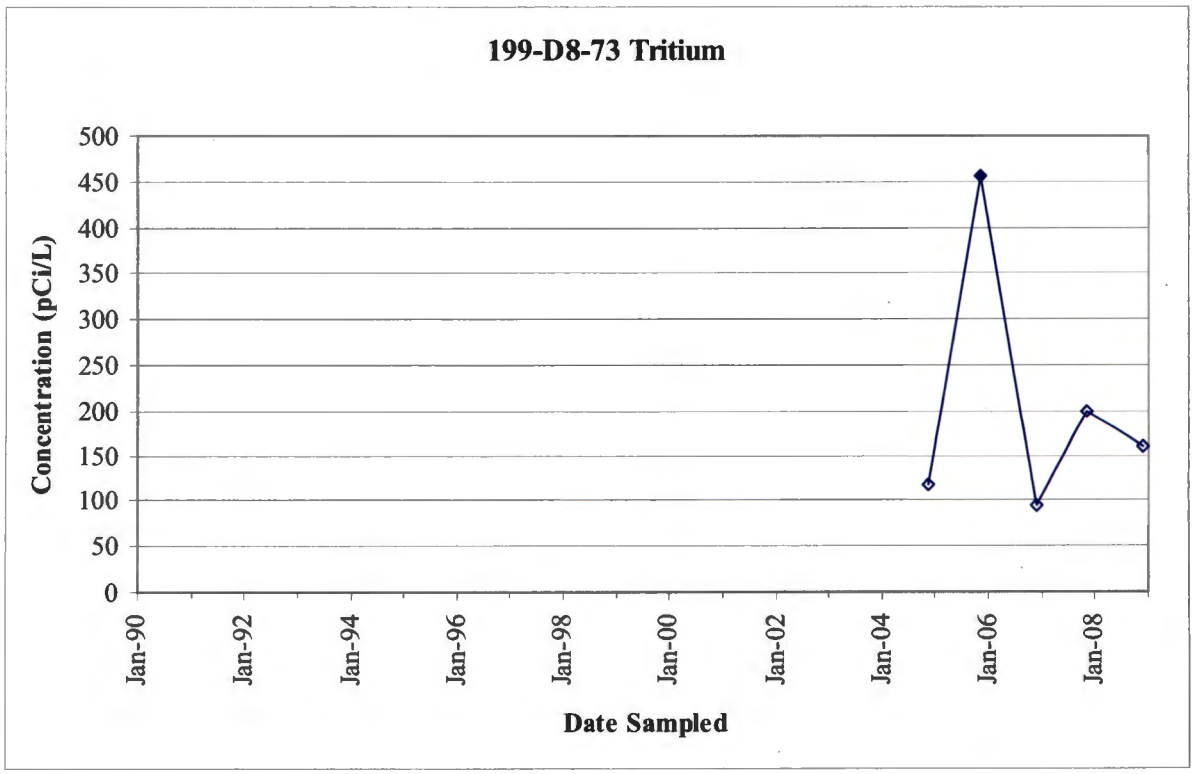

199-D8-55 Tritium
Concentration (pCi/L)
300
250
200
150
100
50
0
-50
-100
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

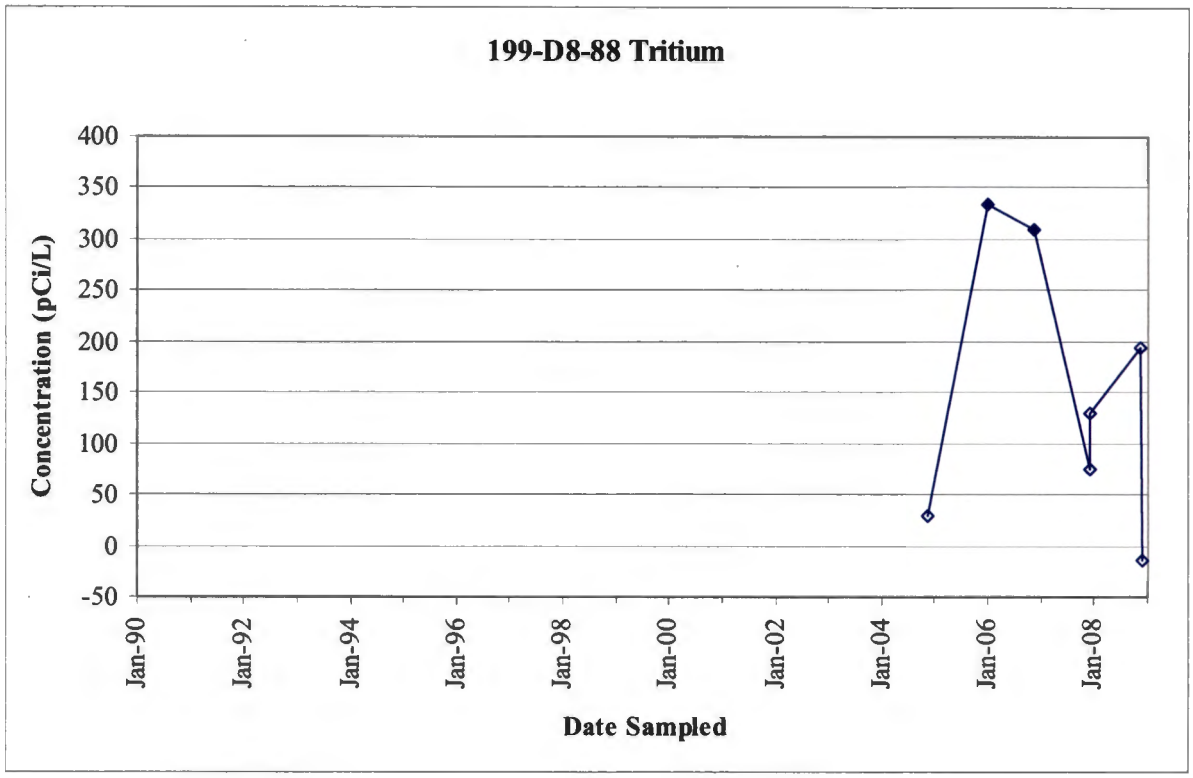

199-D8-68 Tritium
Concentration (pCi/L)
12000
10000
8000
6000
4000
2000
0
-2000
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

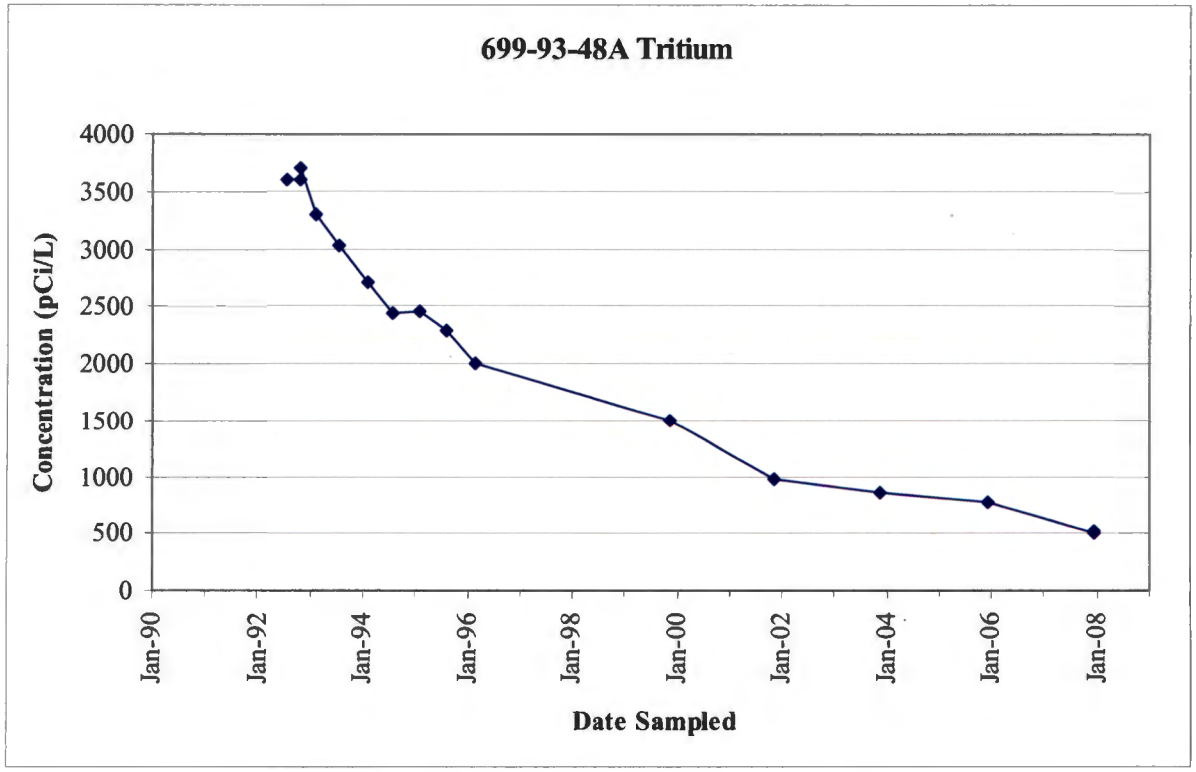

199-D8-69 Tritium
Concentration (pCi/L)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

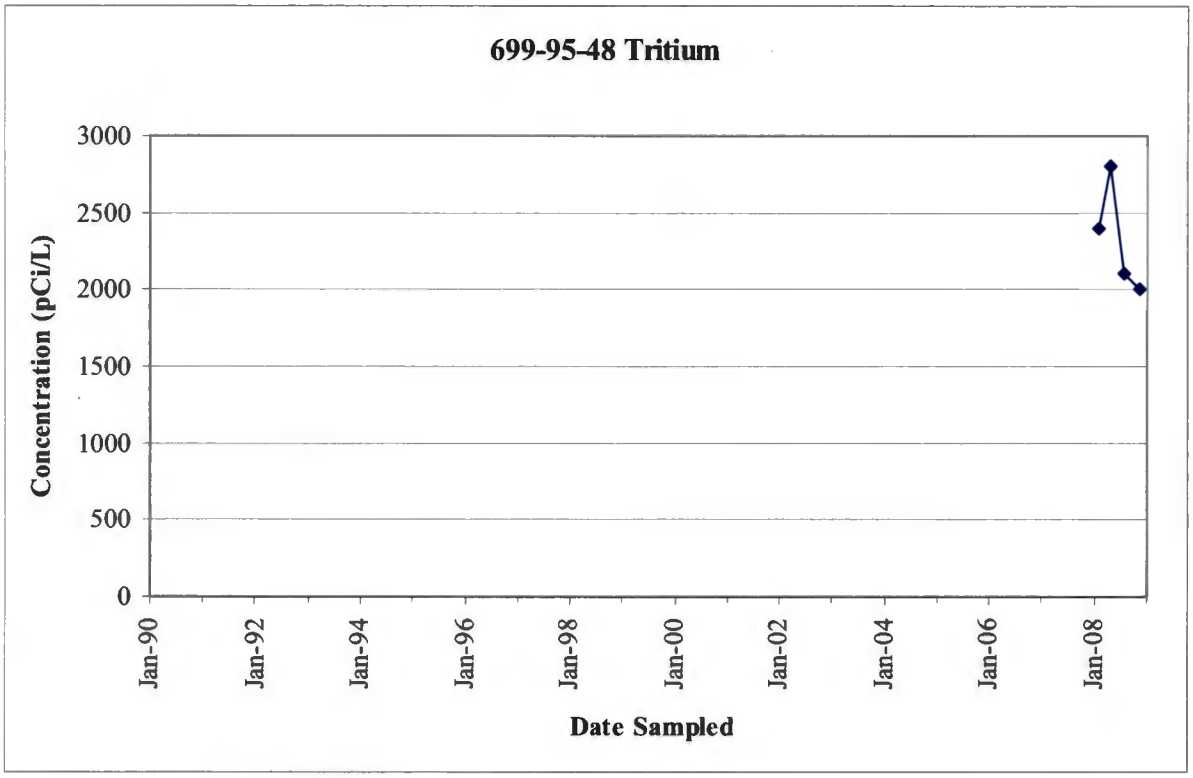

199-D8-70 Tritium
Concentration (pCi/L)
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

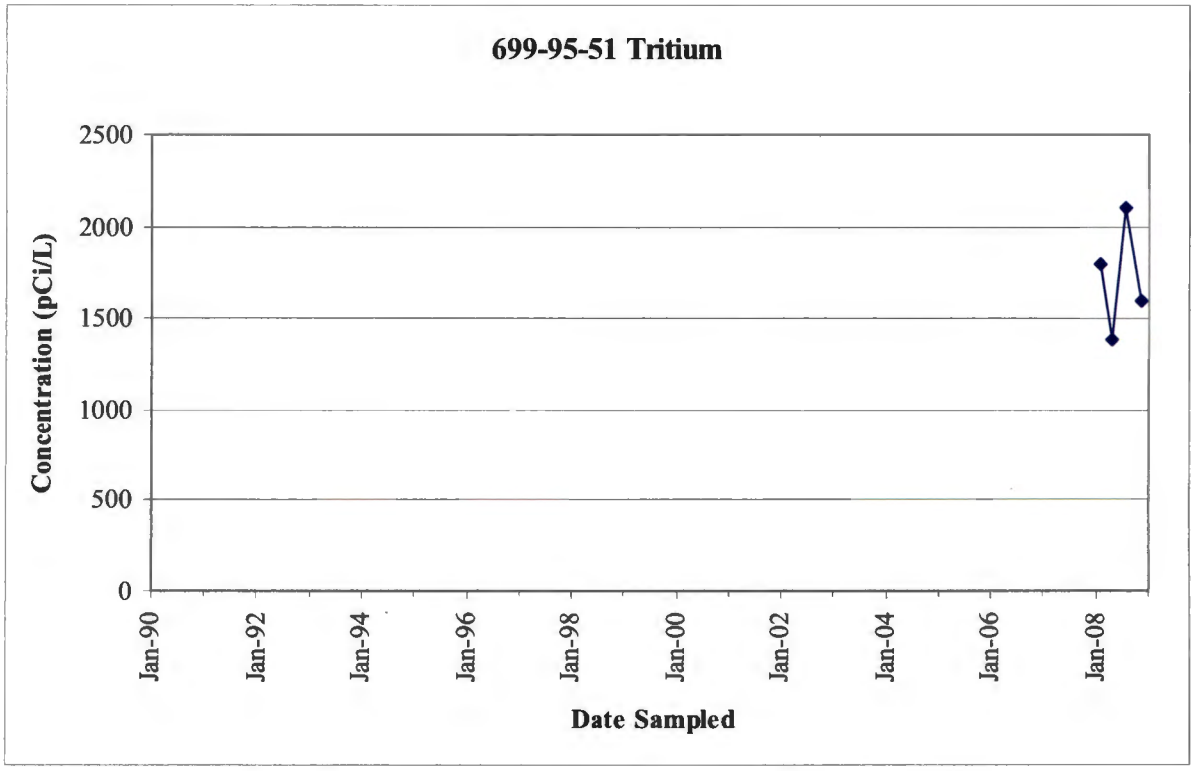

199-D8-72 Tritium
Concentration (pCi/L)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

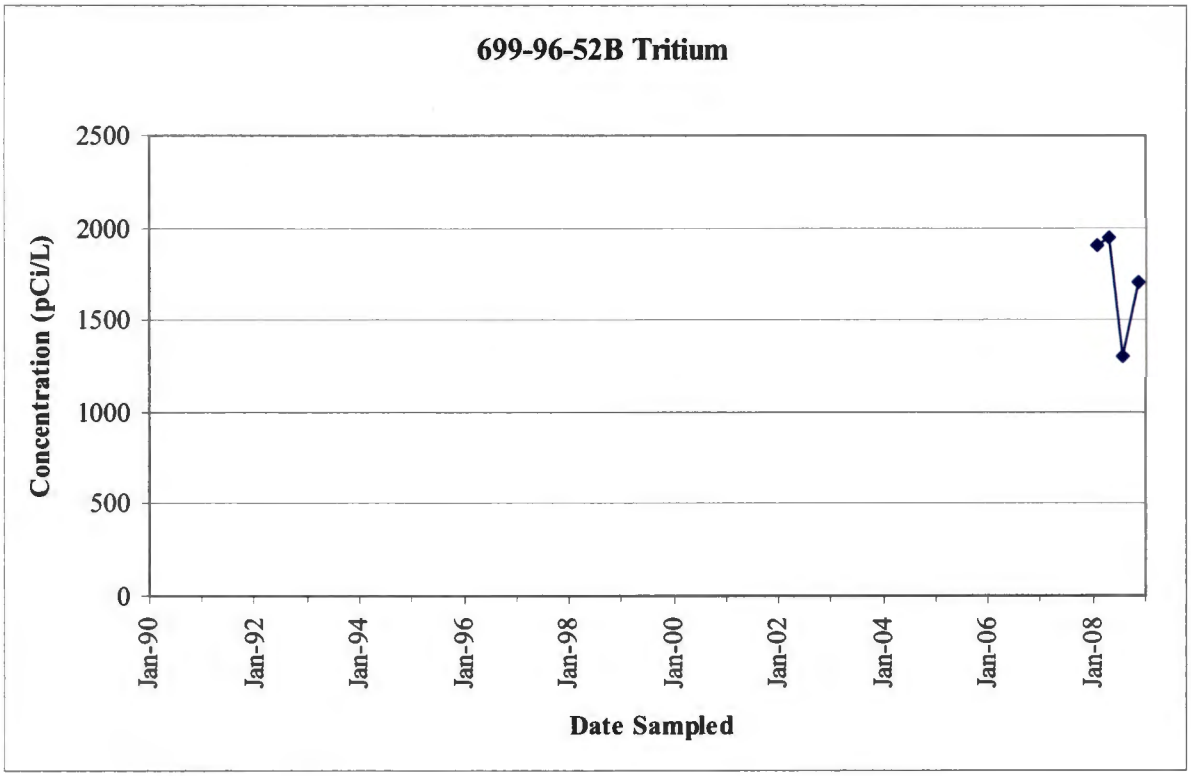

199-D8-73 Tritium
Concentration (pCi/L)
500
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

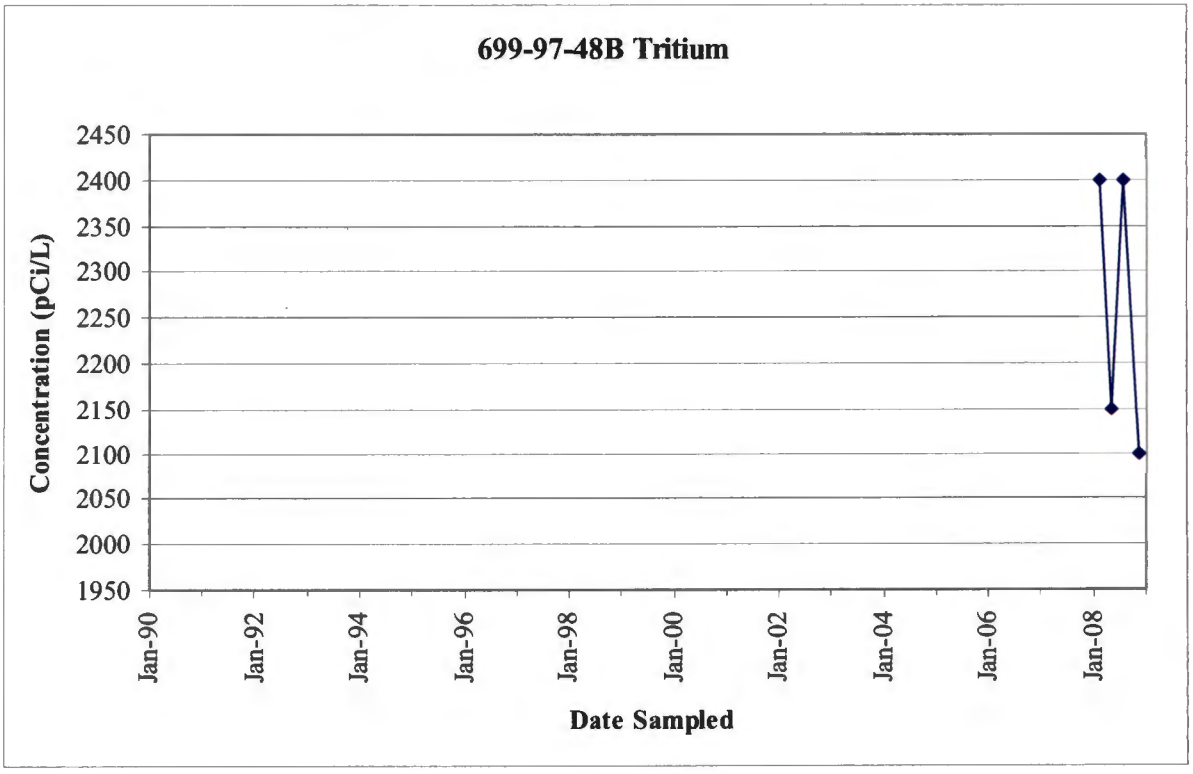

199-D8-88 Tritium
Concentration (pCi/L)
400
350
300
250
200
150
100
50
0
-50
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

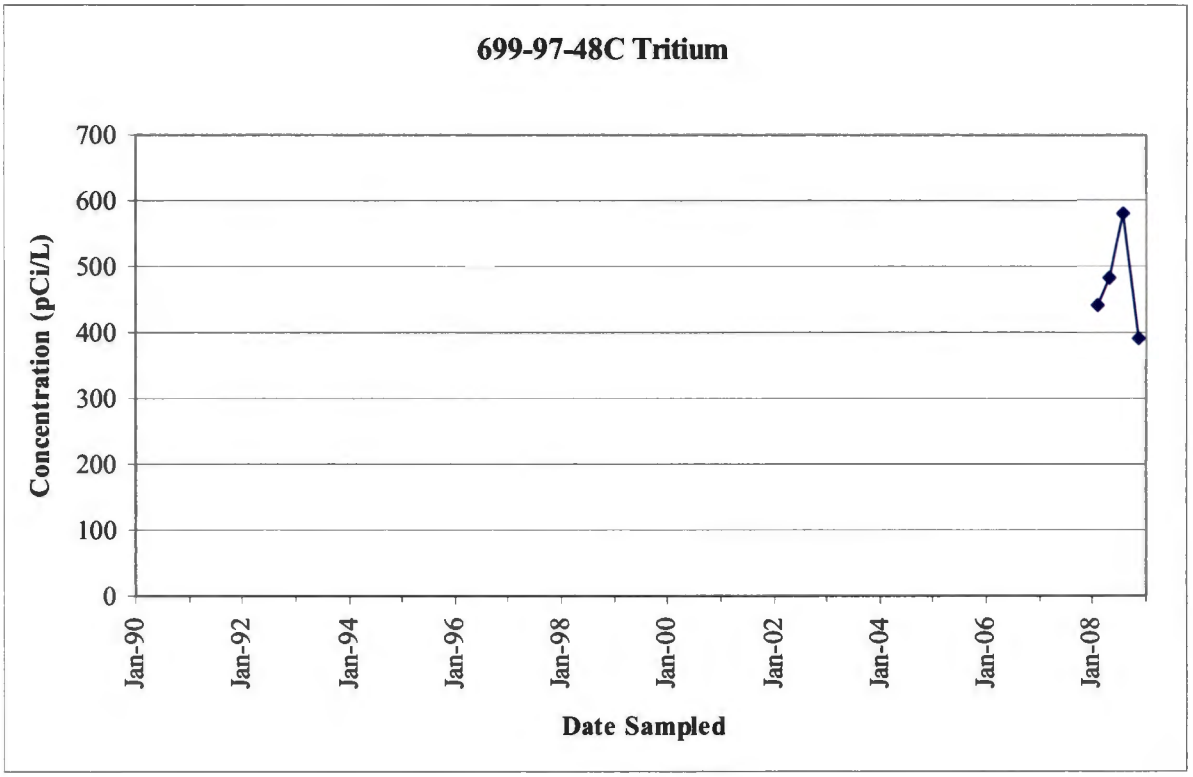

699-93-48A Tritium
Concentration (pCi/L)
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

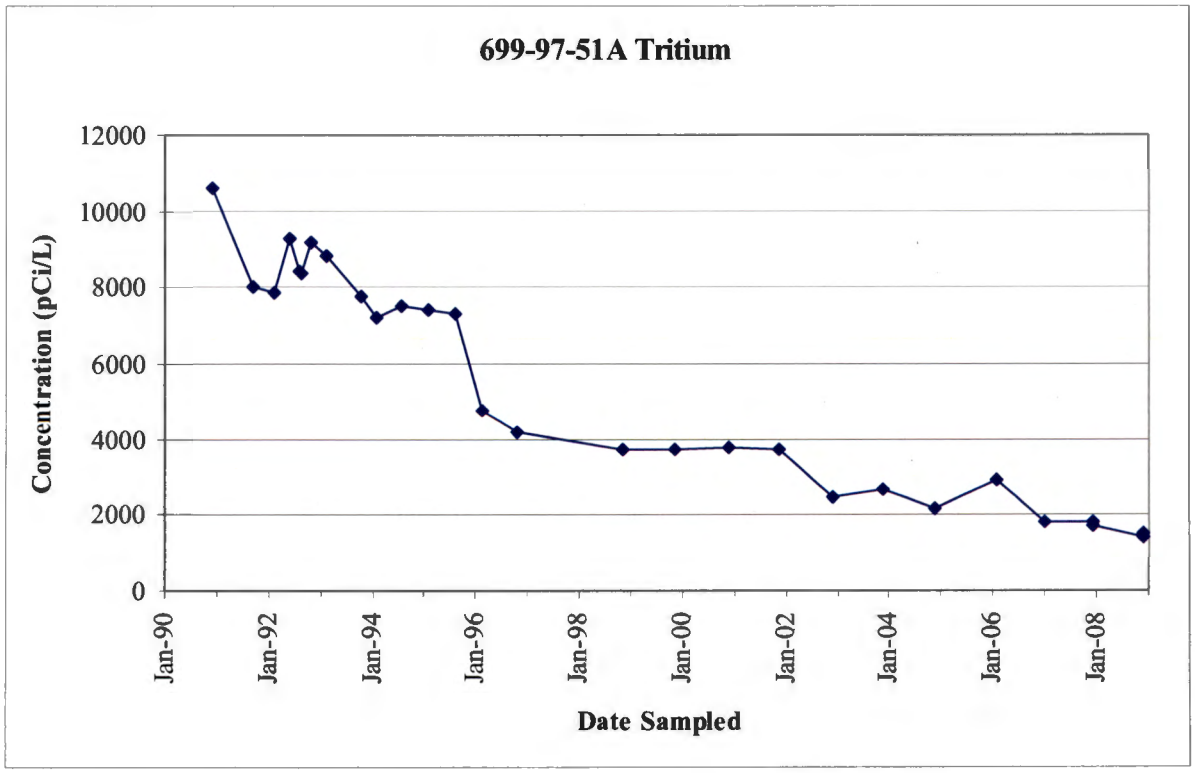

699-95-48 Tritium
Concentration (pCi/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

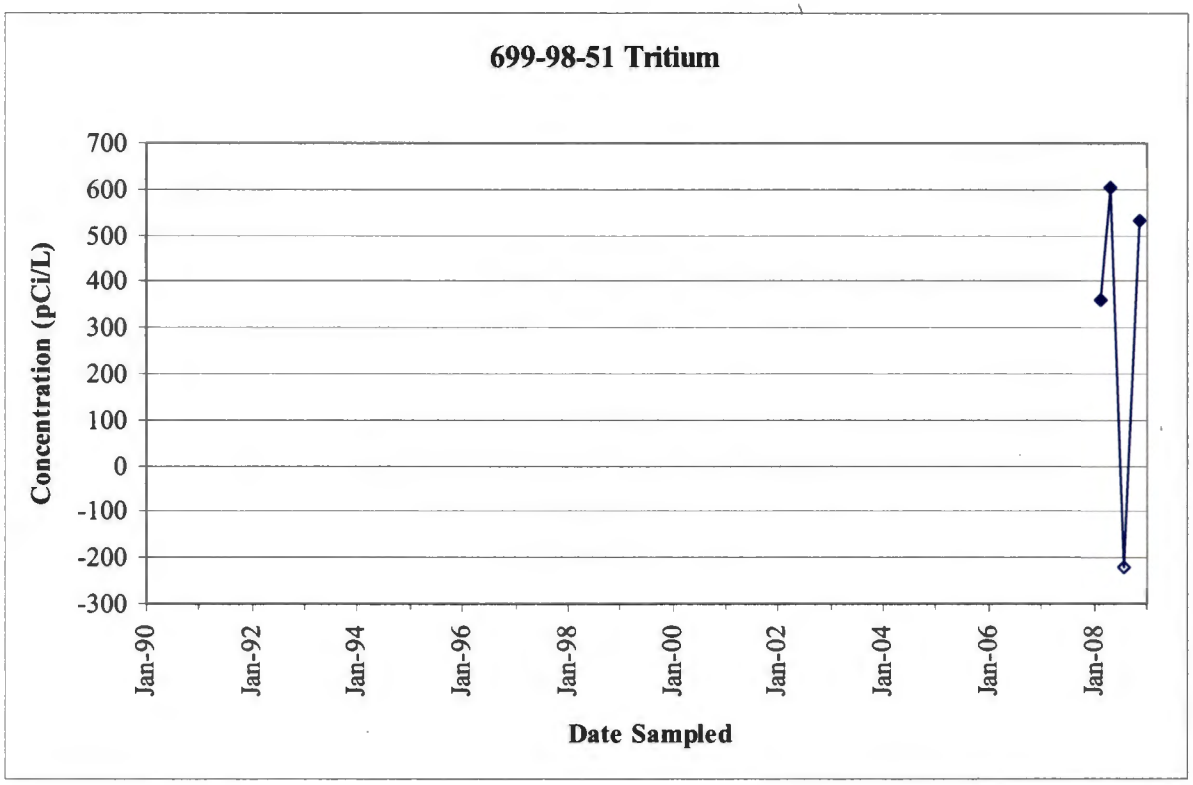

699-95-51 Tritium
Concentration (pCi/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

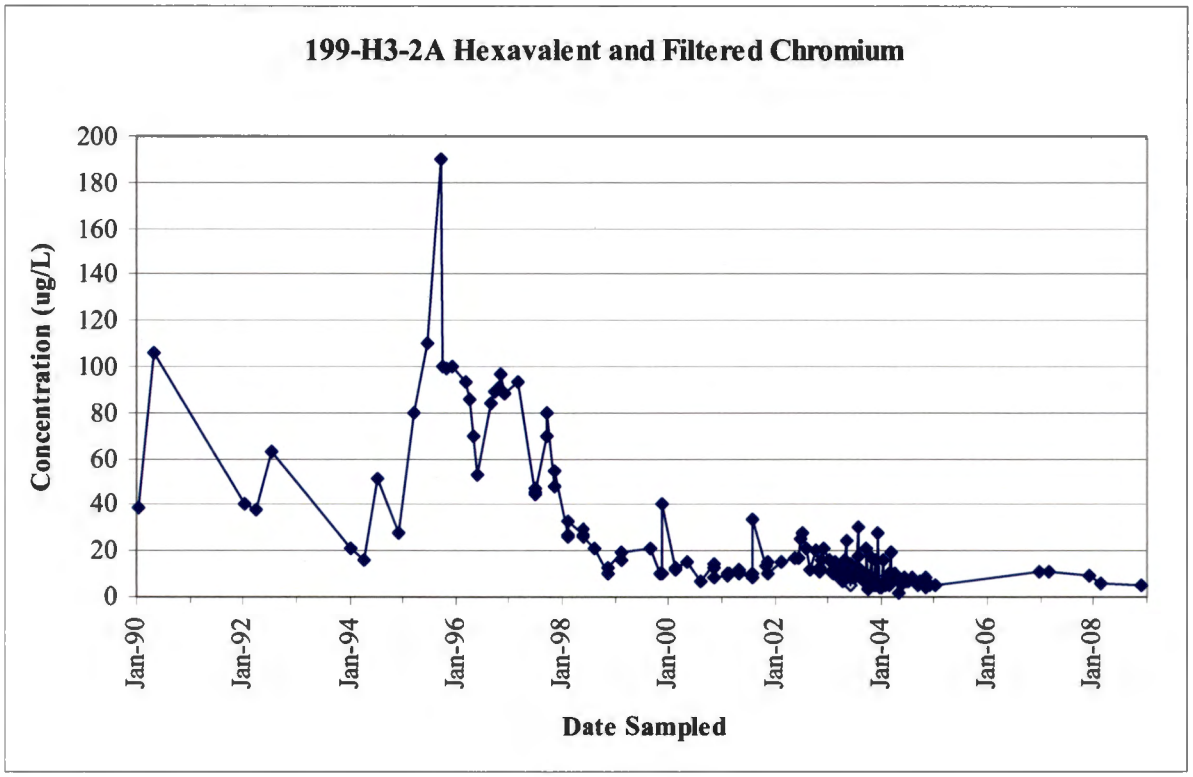

699-96-52B Tritium
Concentration (pCi/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

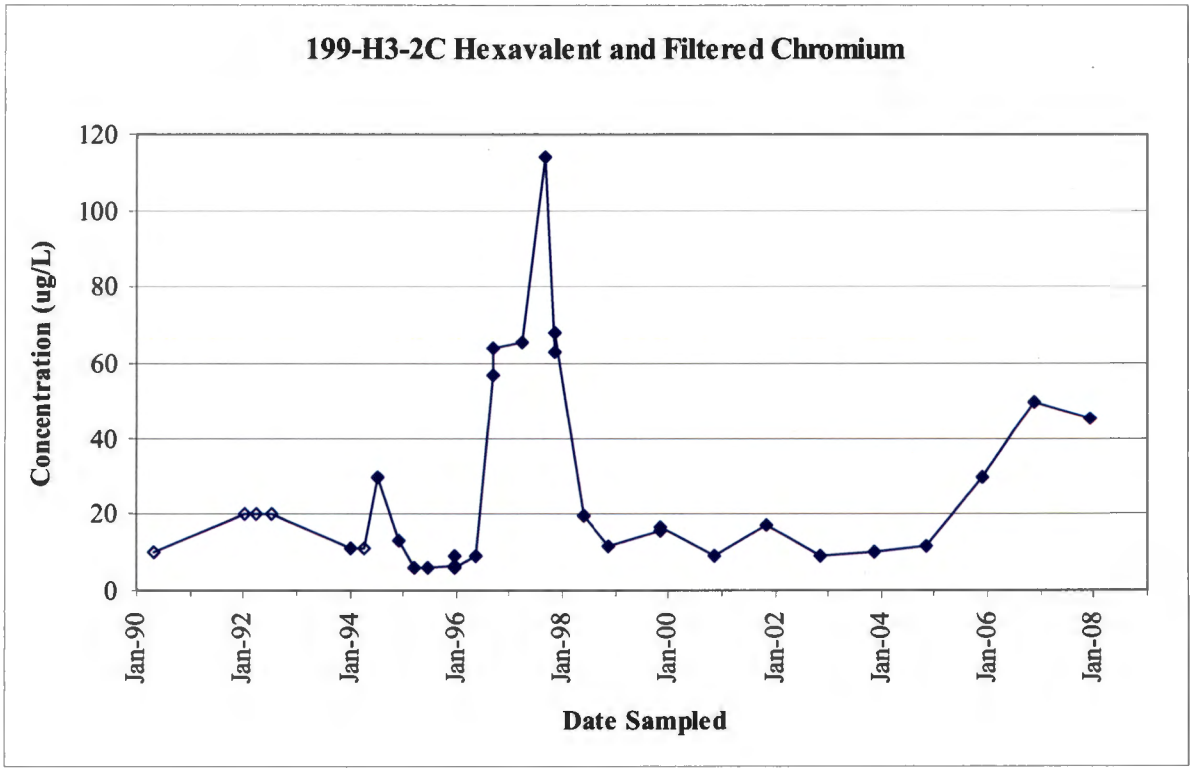

699-97-48B Tritium
Concentration (pCi/L)
2450
2400
2350
2300
2250
2200
2150
2100
2050
2000
1950
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

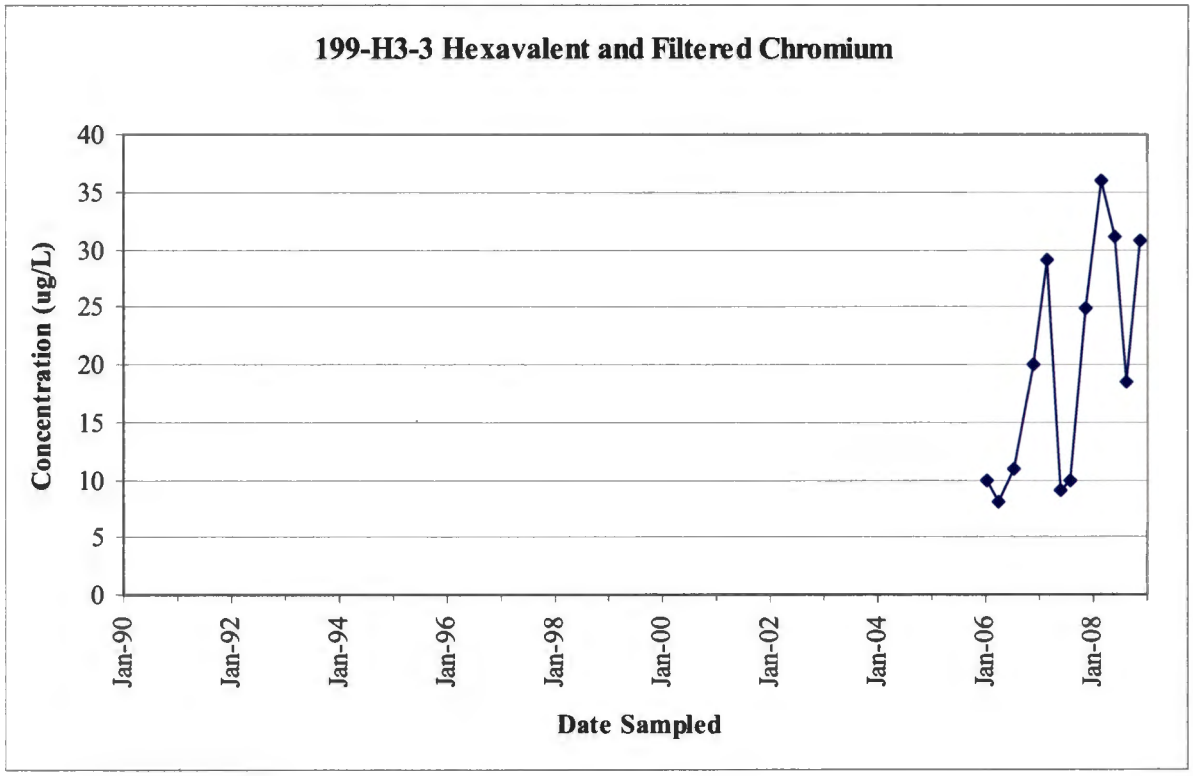

699-97-48C Tritium
Concentration (pCi/L)
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

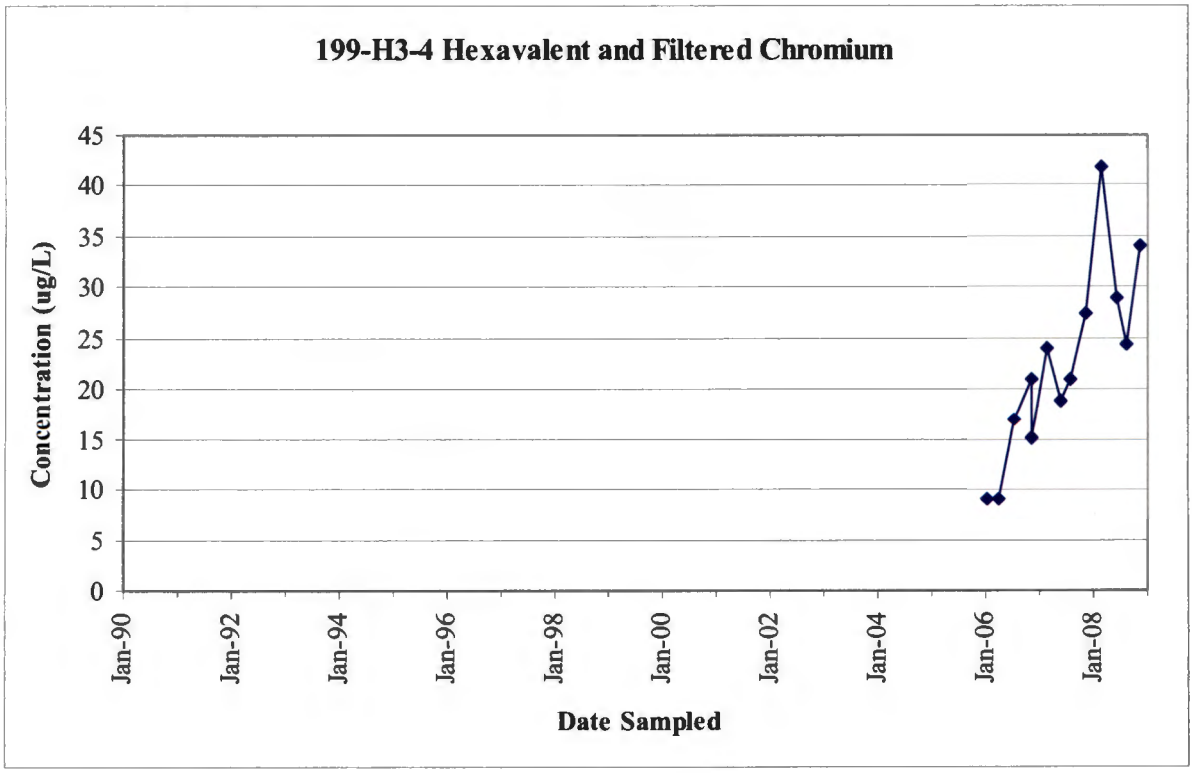

699-97-51A Tritium
Concentration (pCi/L)
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

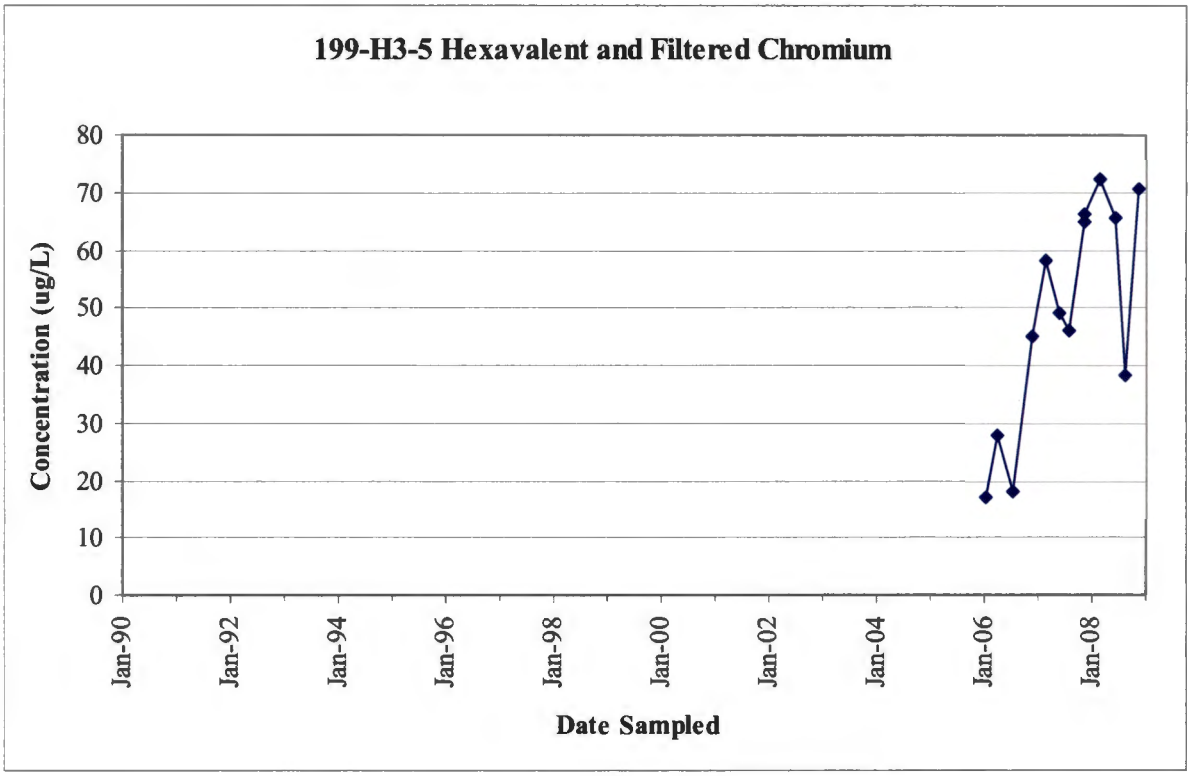

699-98-51 Tritium
Concentration (pCi/L)
700
600
500
400
300
200
100
0
-100
-200
-300
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H3-2A Hexavalent and Filtered Chromium
Concentration (ug/L)
200
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H3-2C Hexavalent and Filtered Chromium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H3-3 Hexavalent and Filtered Chromium
Concentration (ug/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H3-4 Hexavalent and Filtered Chromium
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H3-5 Hexavalent and Filtered Chromium
Concentration (ug/L)
0
10
20
30
40
50
60
70
80
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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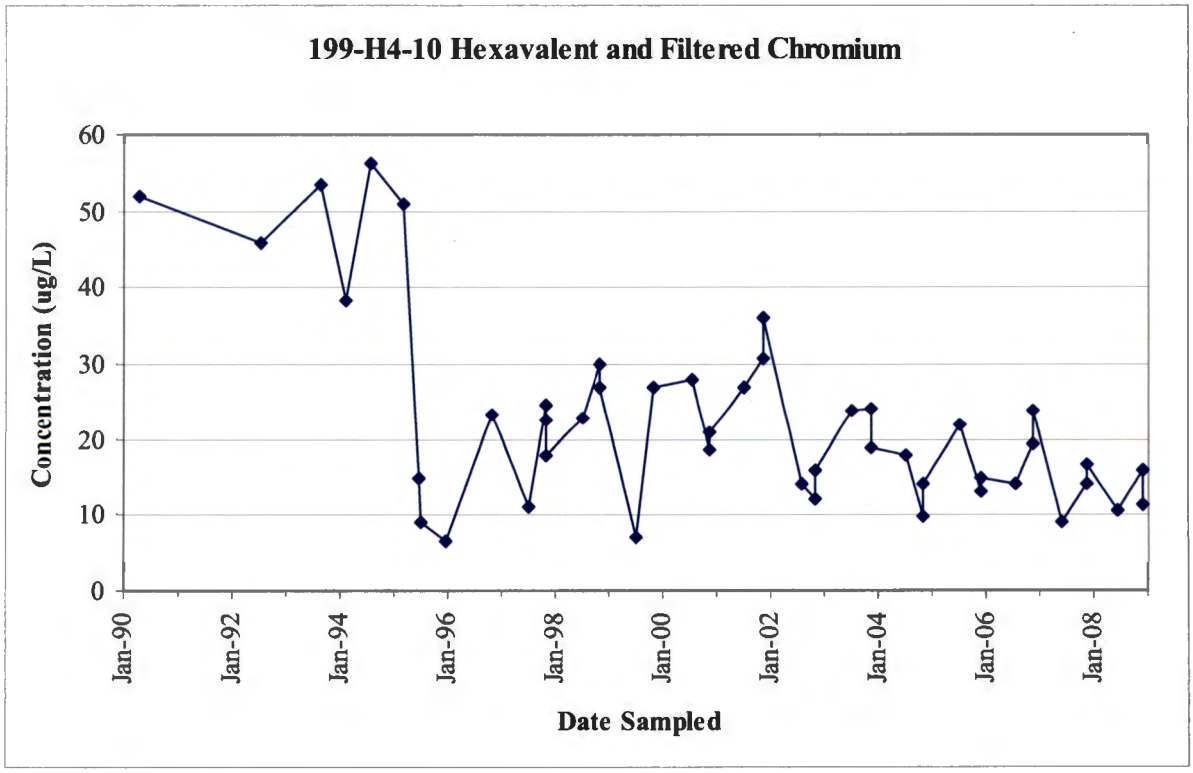
Jan-06
Jan-08
Date Sampled


199-H4-10 Hexavalent and Filtered Chromium
Concentration (ug/L)
0
10
20
30
40
50
60
Jan-90
Jan-92
Jan-94
Jan-96
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Jan-00
Jan-02
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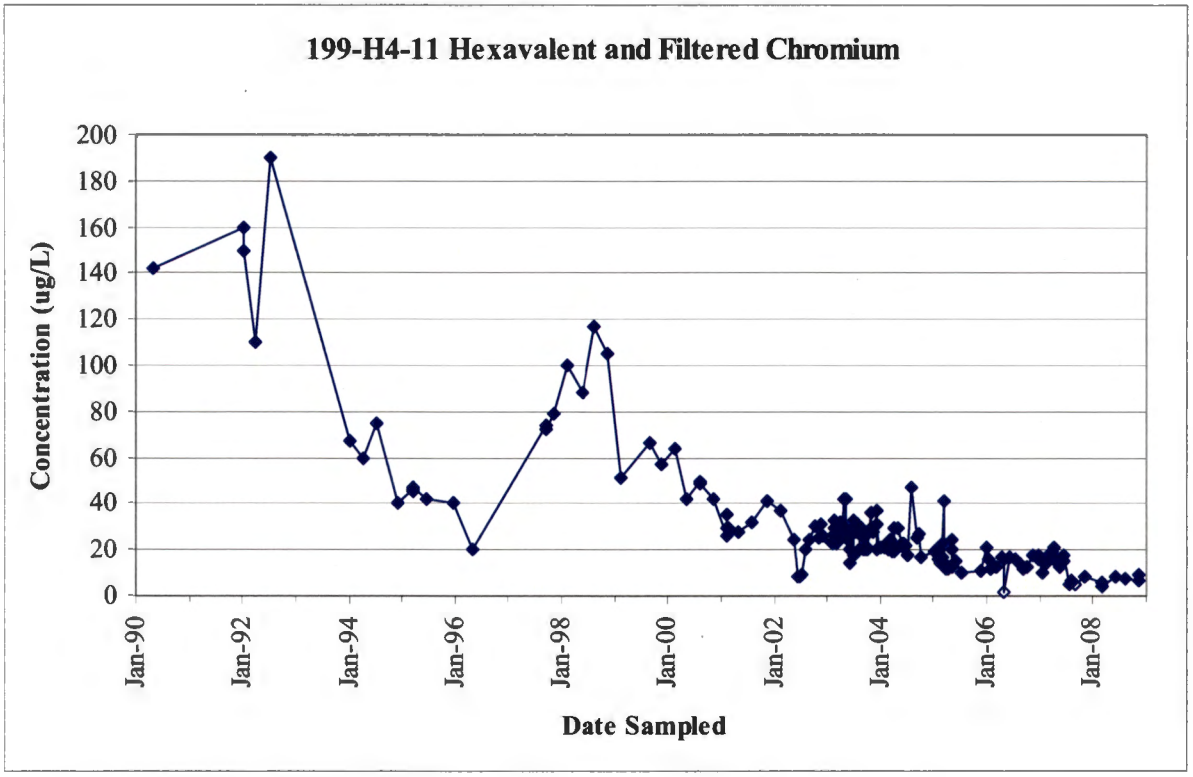
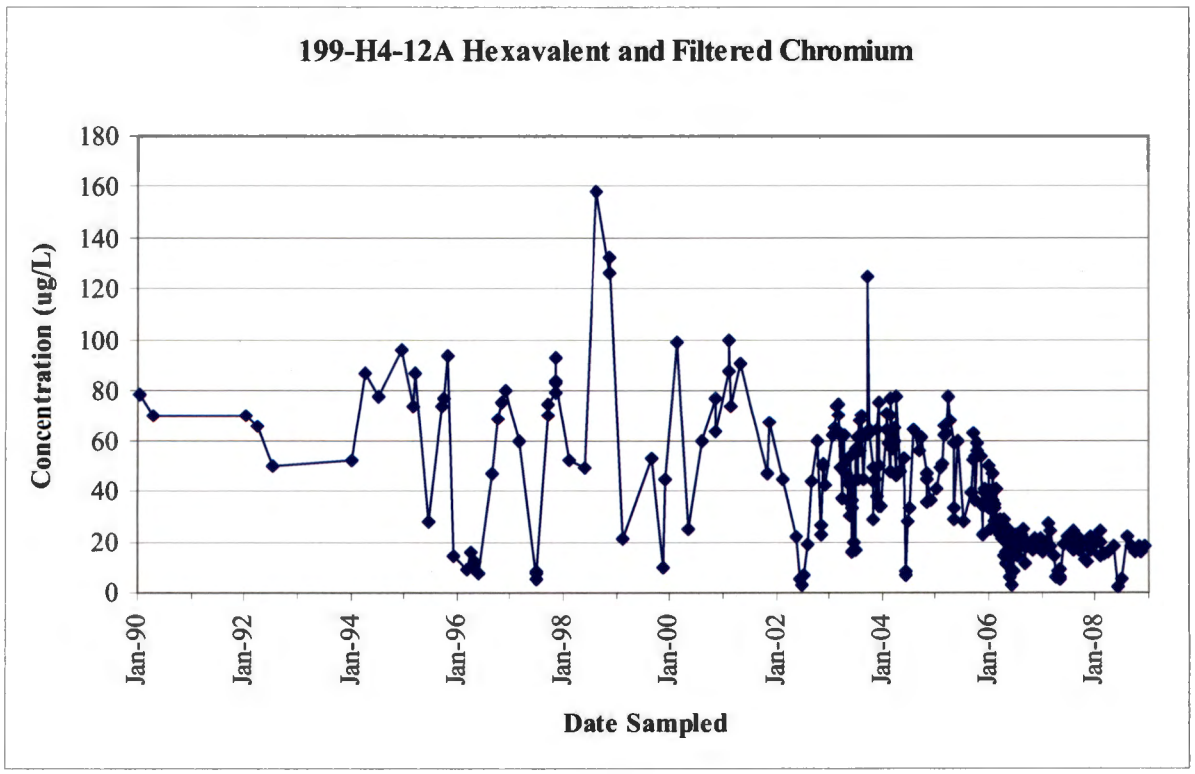
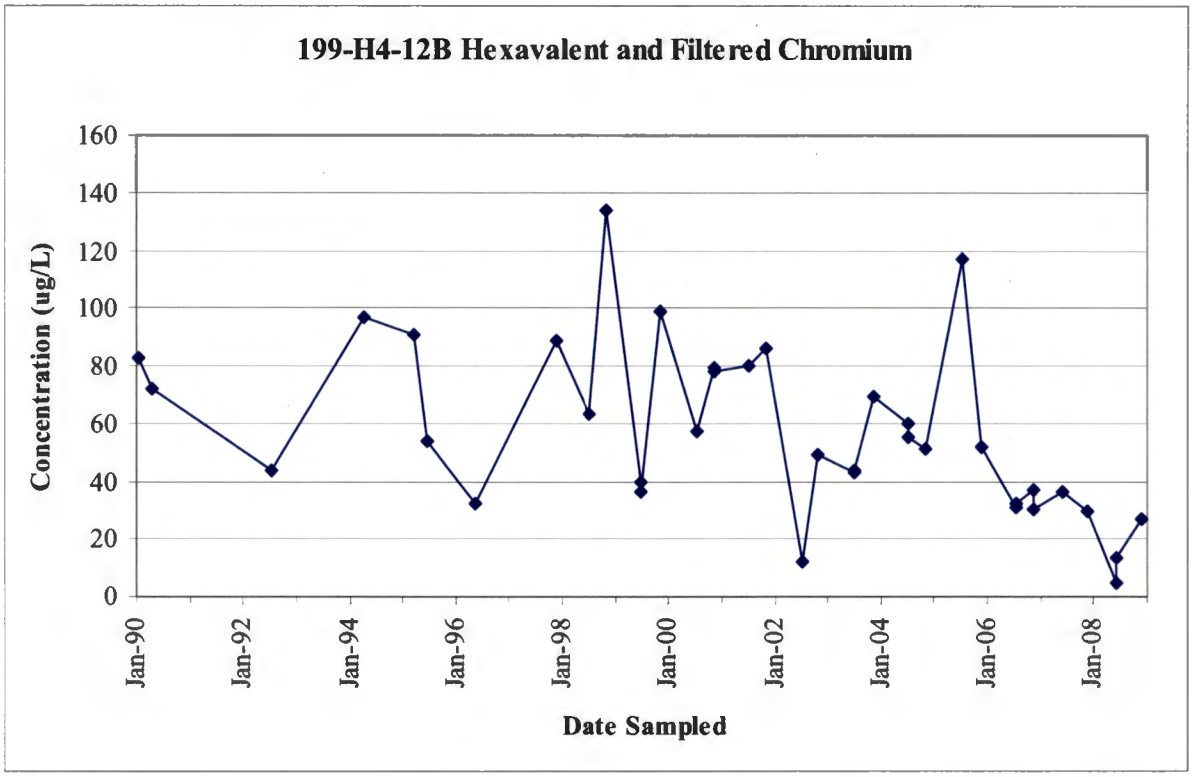
Jan-06
Jan-08
Date Sampled


199-H4-11 Hexavalent and Filtered Chromium
Concentration (ug/L)
200
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-12A Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-12B Hexavalent and Filtered Chromium
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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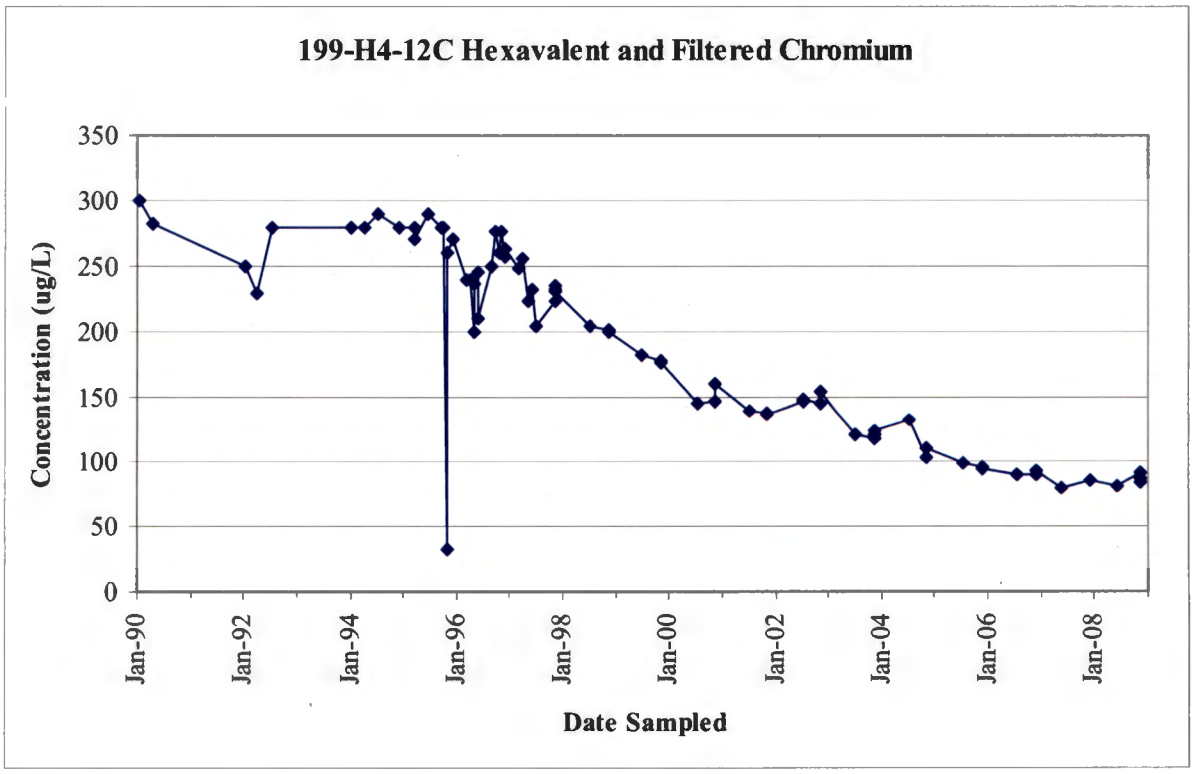
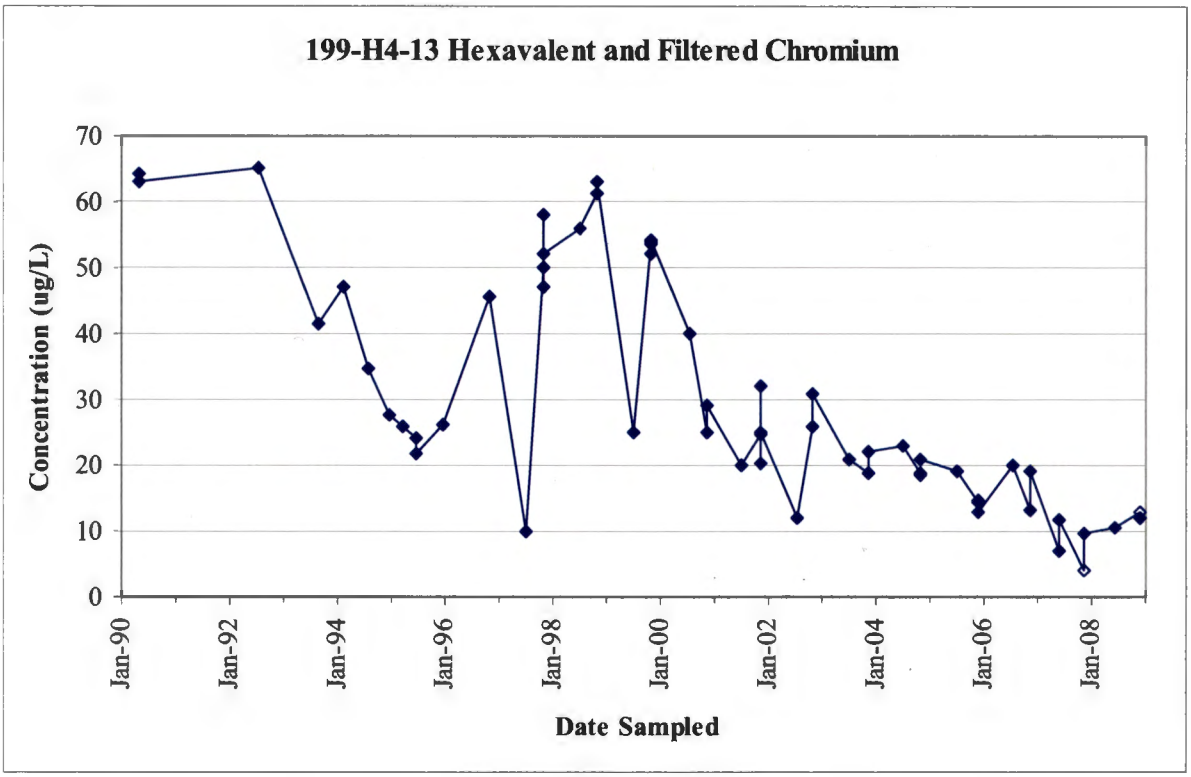
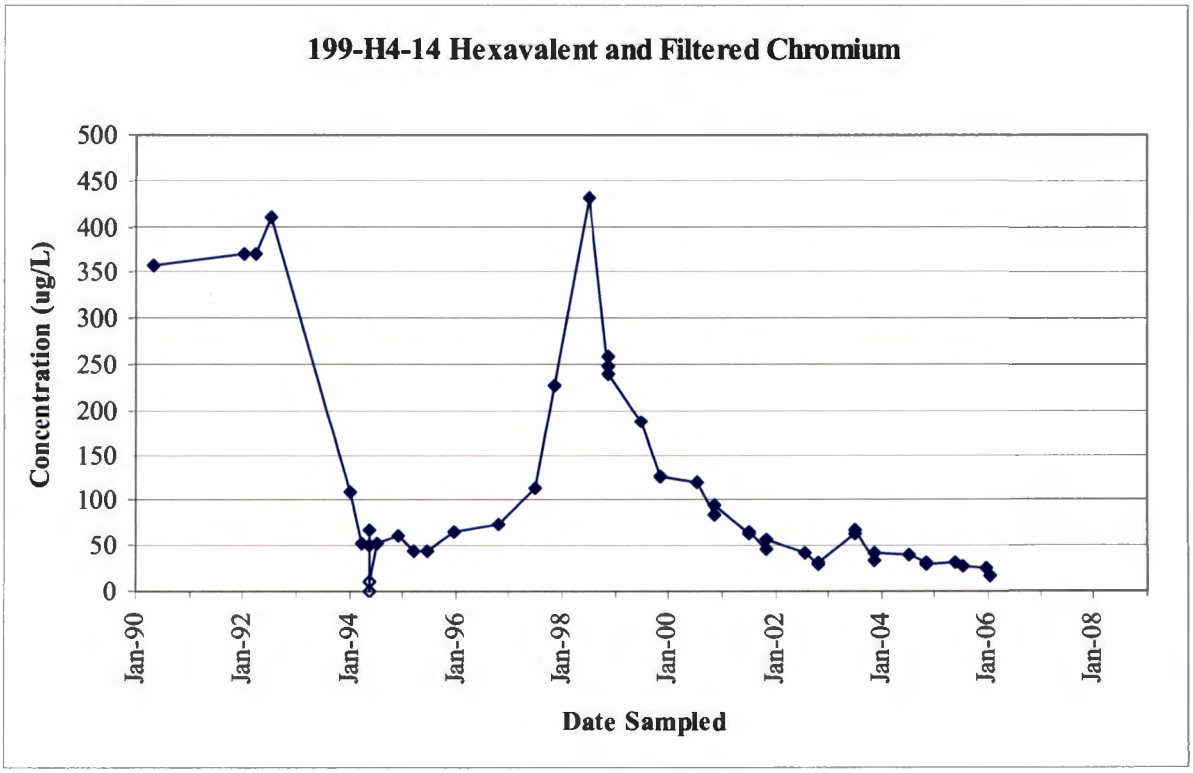
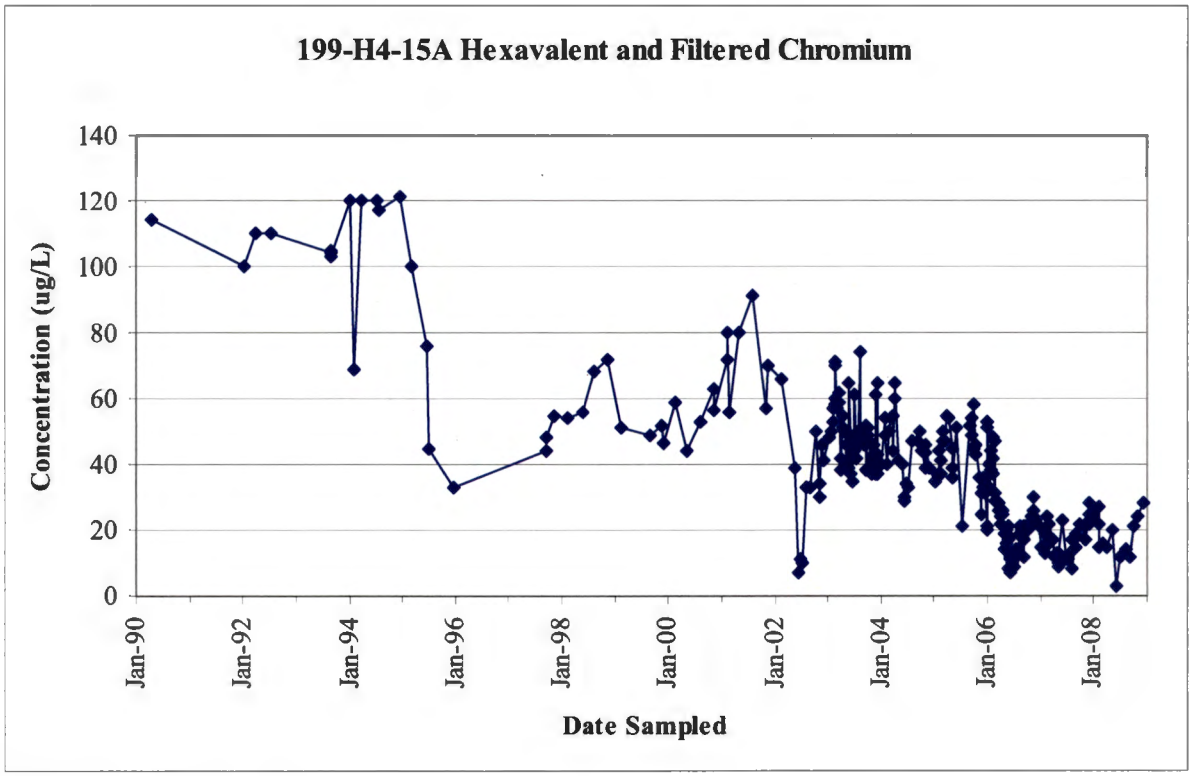
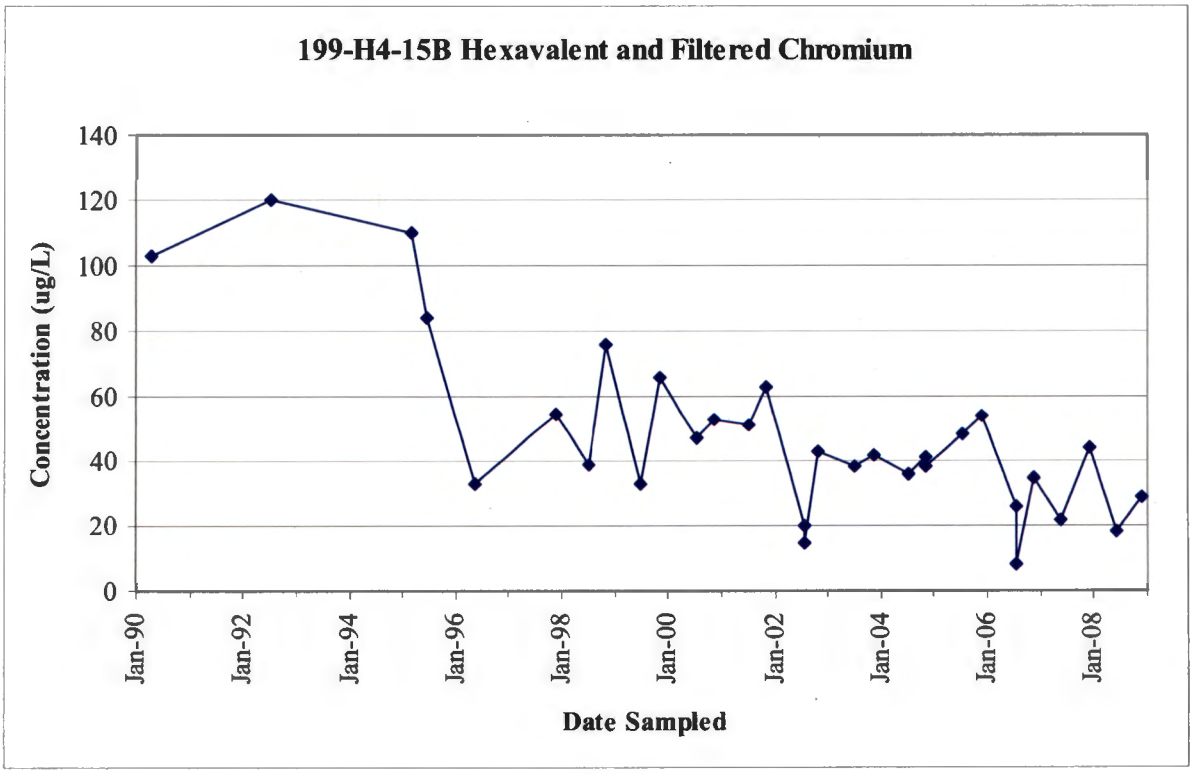
Jan-08
Date Sampled

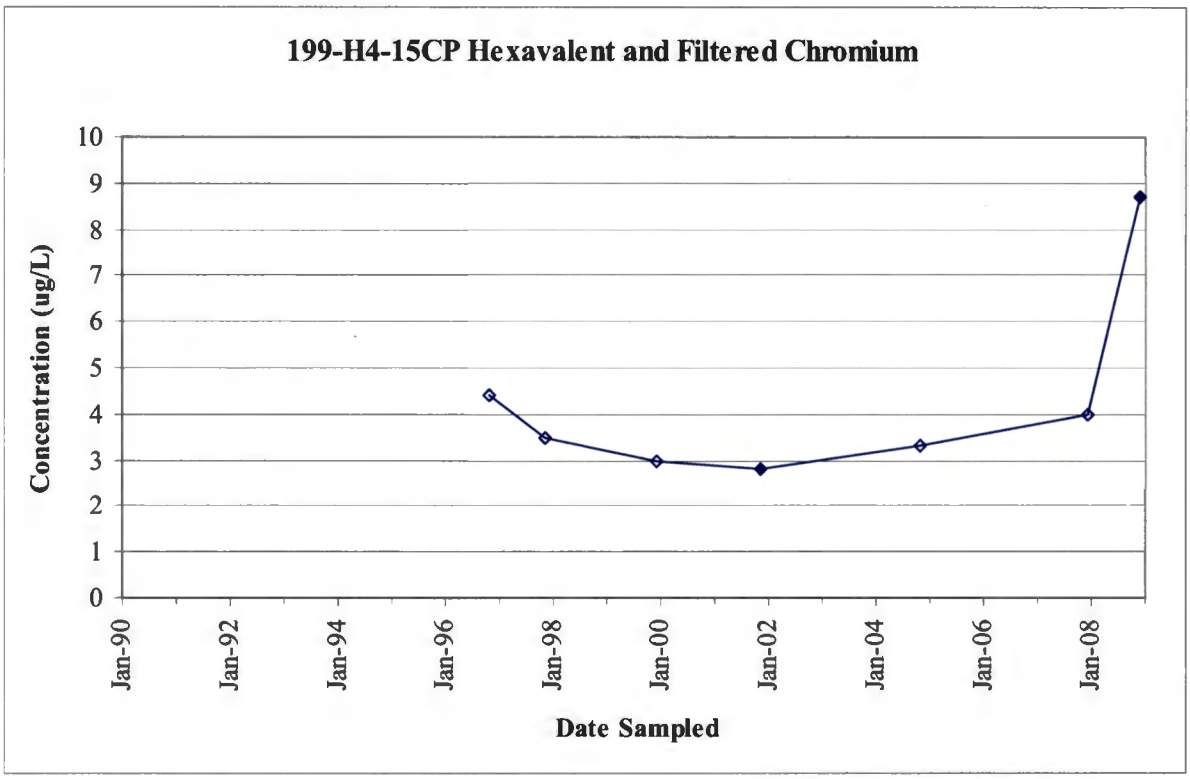

199-H4-12C Hexavalent and Filtered Chromium
Concentration (ug/L)
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

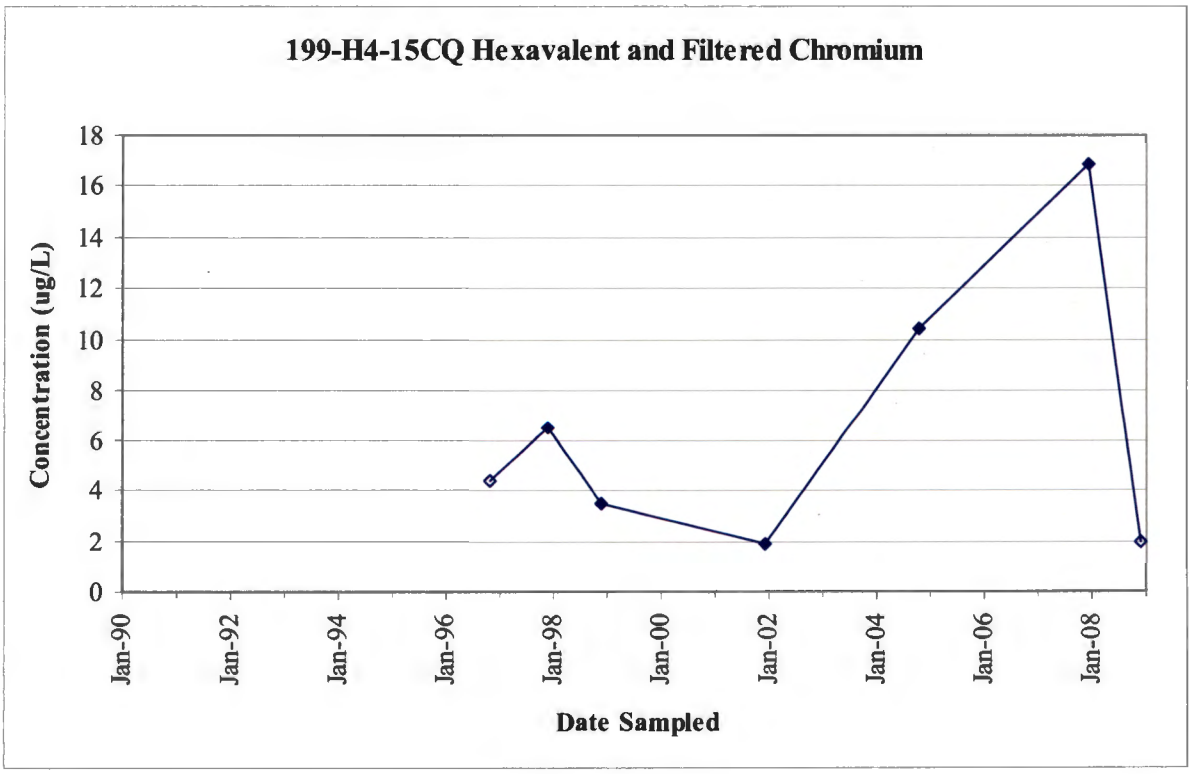

199-H4-13 Hexavalent and Filtered Chromium
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

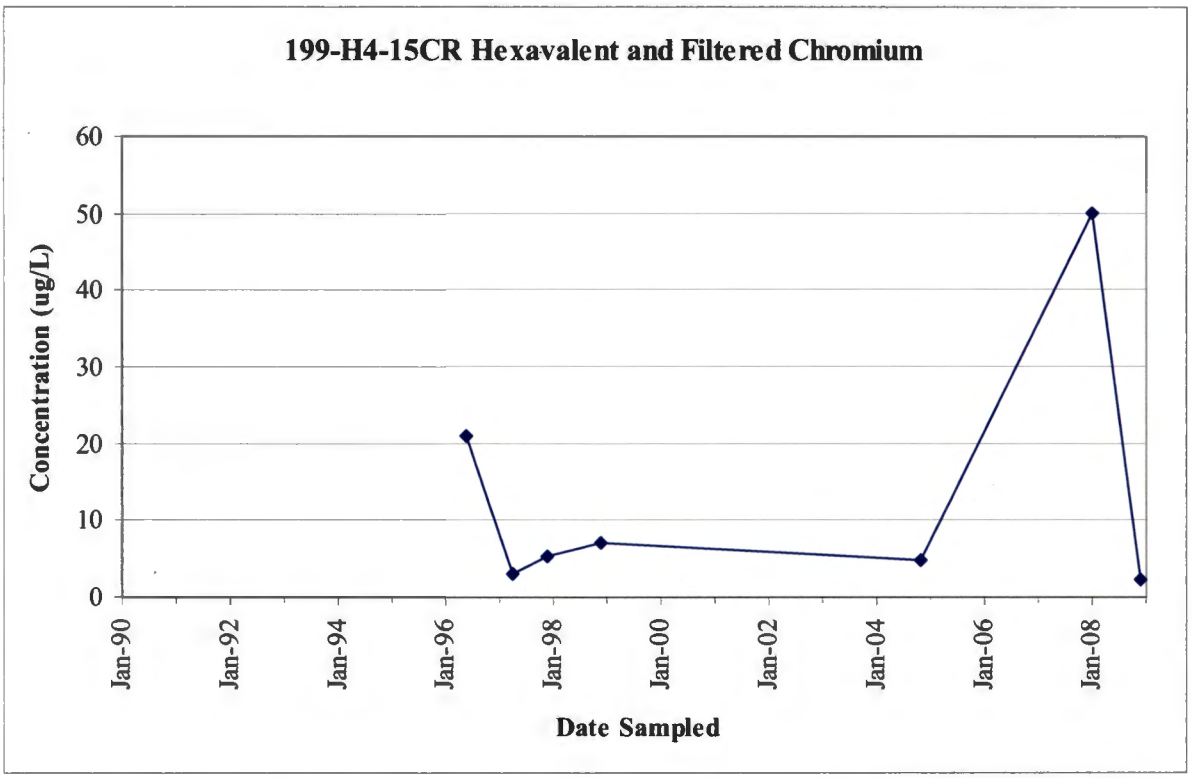

199-H4-14 Hexavalent and Filtered Chromium
Concentration (ug/L)
500
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

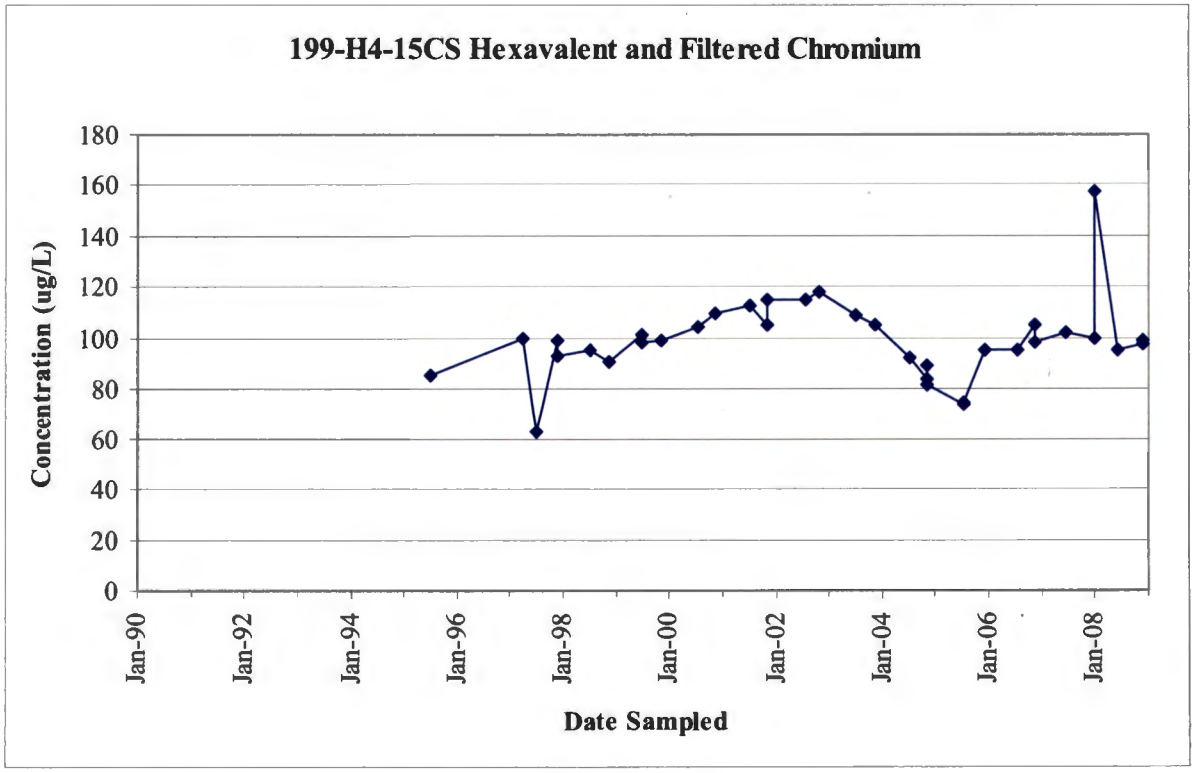

199-H4-15A Hexavalent and Filtered Chromium
Concentration (ug/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

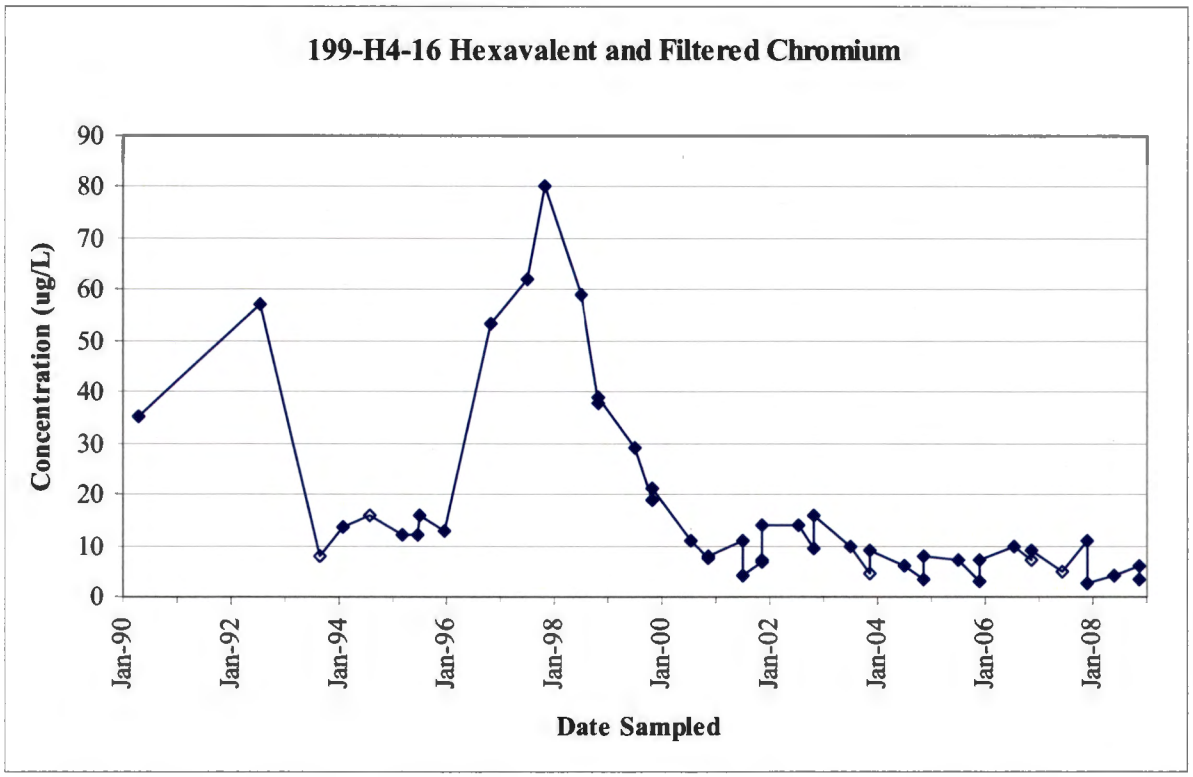

199-H4-15B Hexavalent and Filtered Chromium
Concentration (ug/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

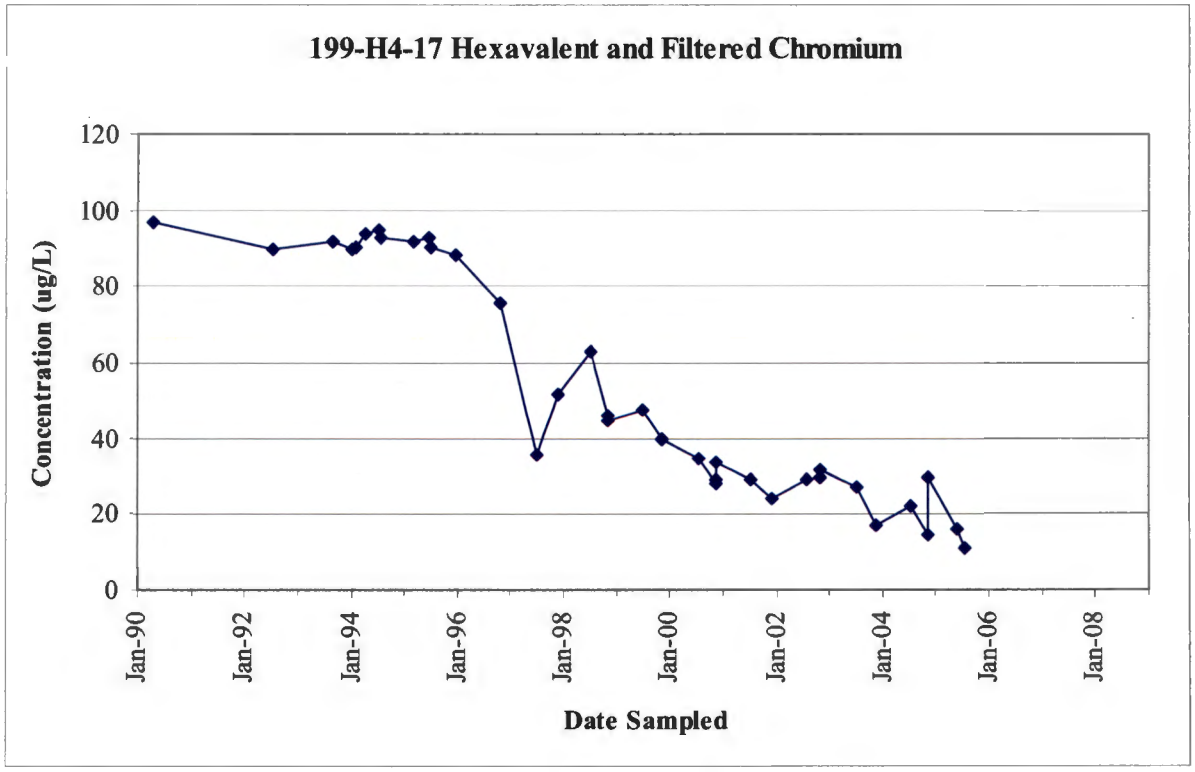

199-H4-15CP Hexavalent and Filtered Chromium
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
10
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

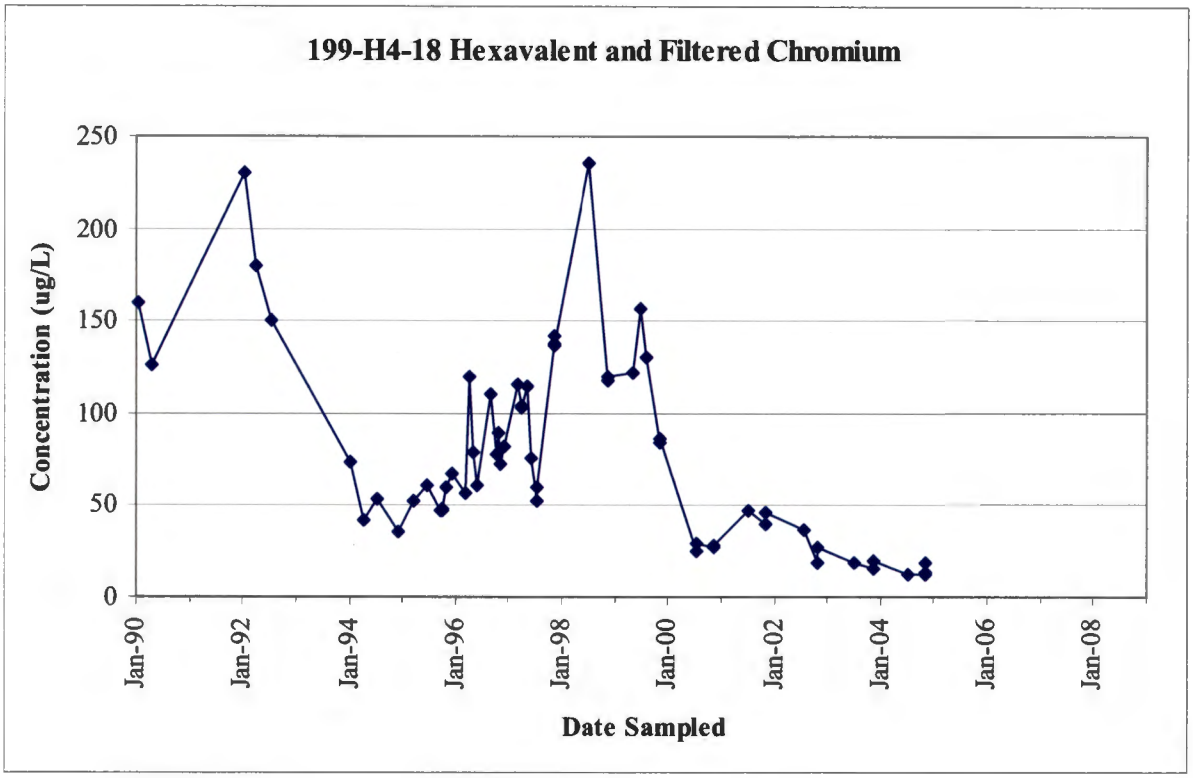

199-H4-15CQ Hexavalent and Filtered Chromium
Concentration (ug/L)
0
2
4
6
8
10
12
14
16
18
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

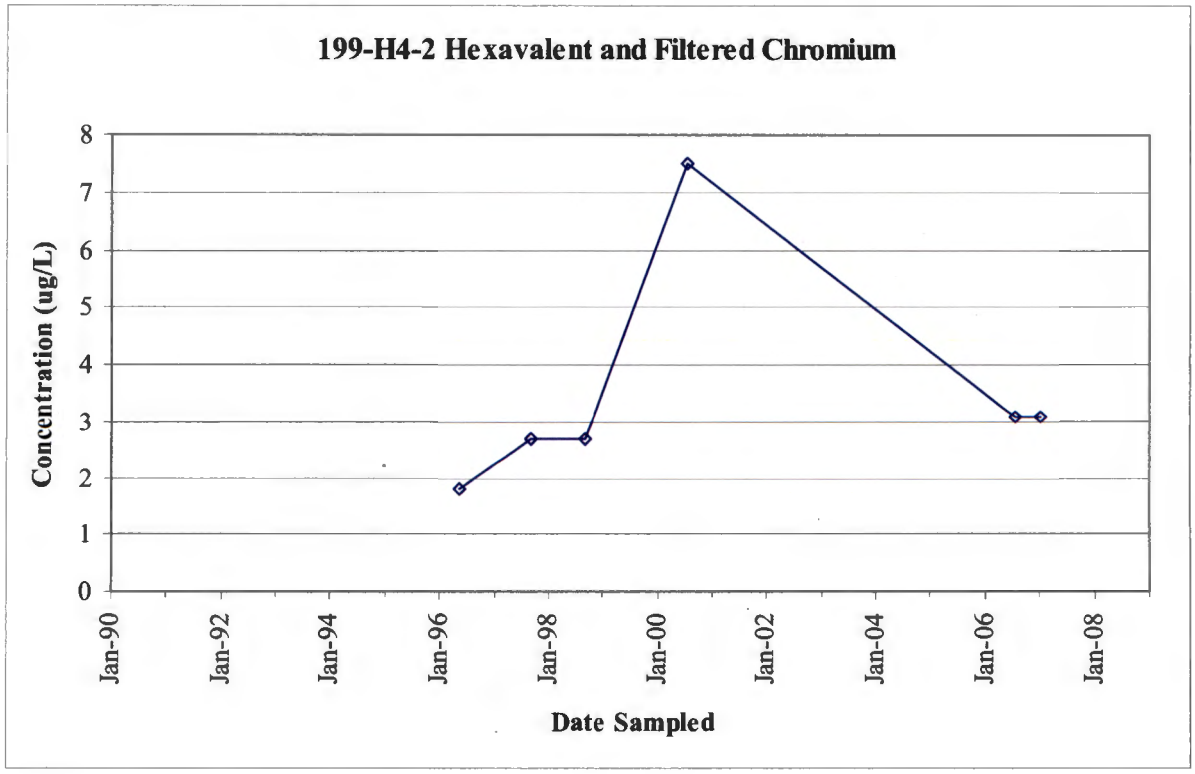

199-H4-15CR Hexavalent and Filtered Chromium
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

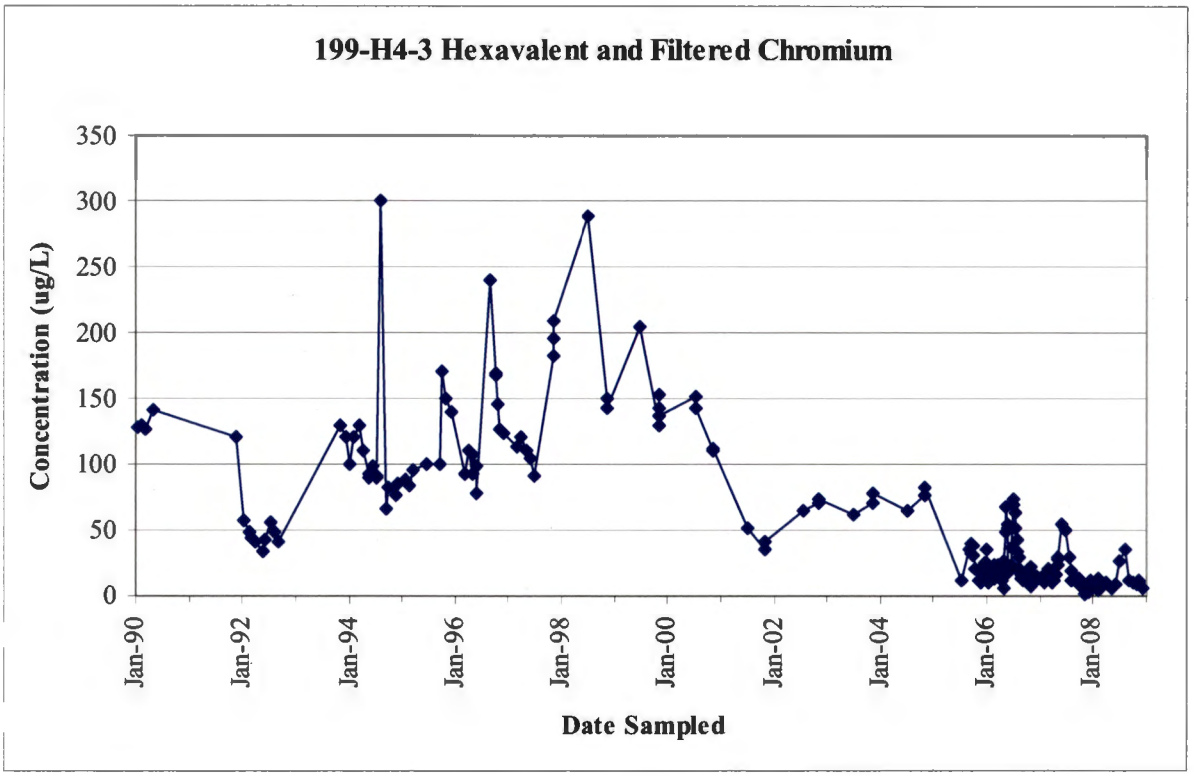

199-H4-15CS Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

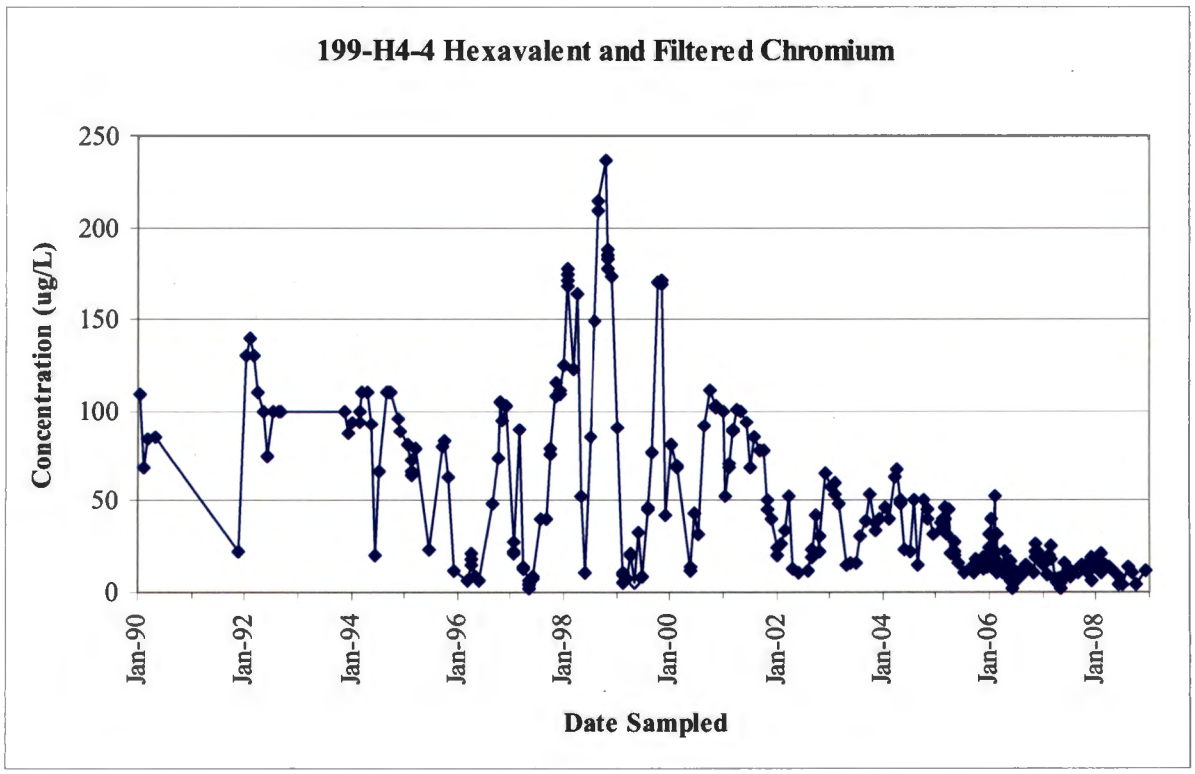

199-H4-16 Hexavalent and Filtered Chromium
Concentration (ug/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

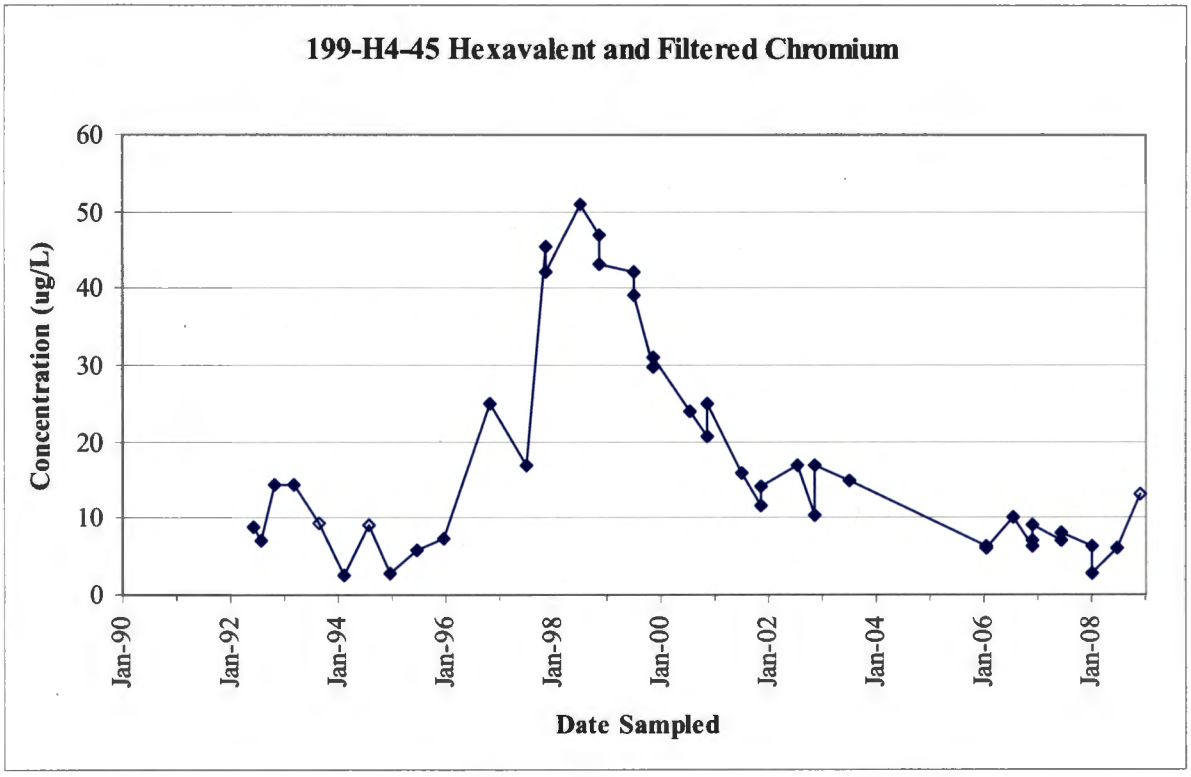

199-H4-17 Hexavalent and Filtered Chromium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

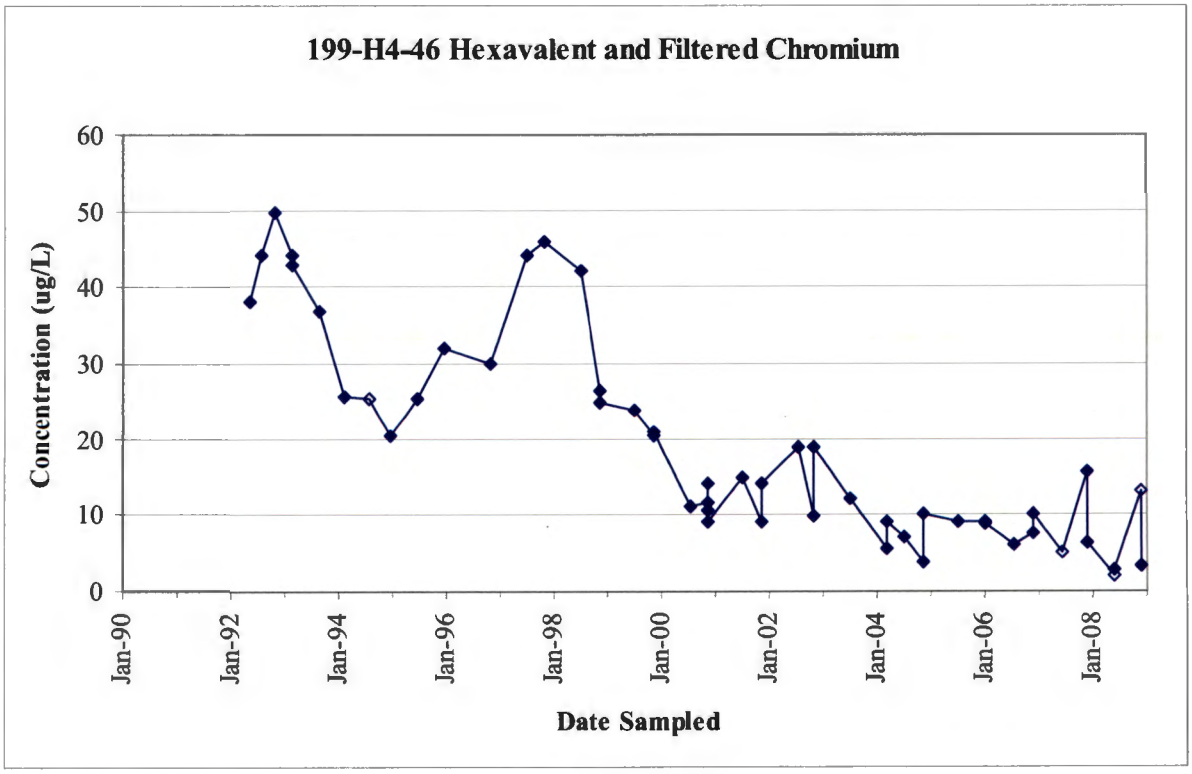

199-H4-18 Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

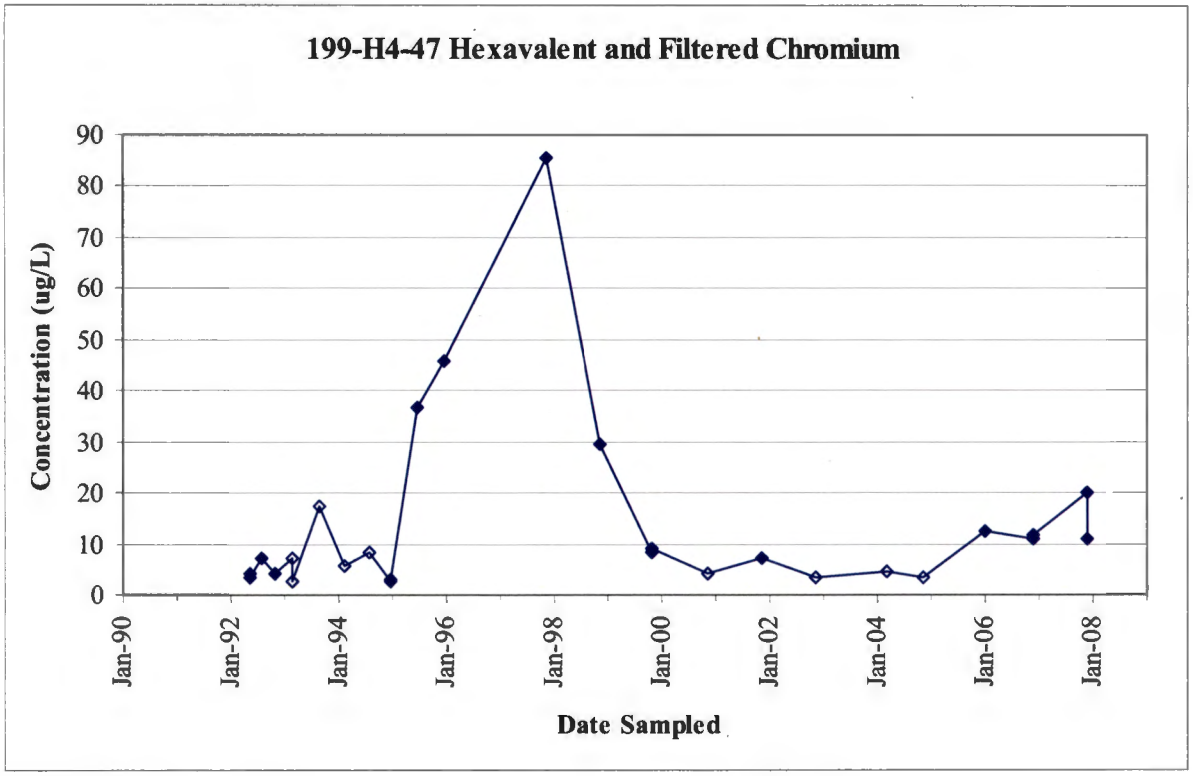

199-H4-2 Hexavalent and Filtered Chromium
Concentration (ug/L)
8
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

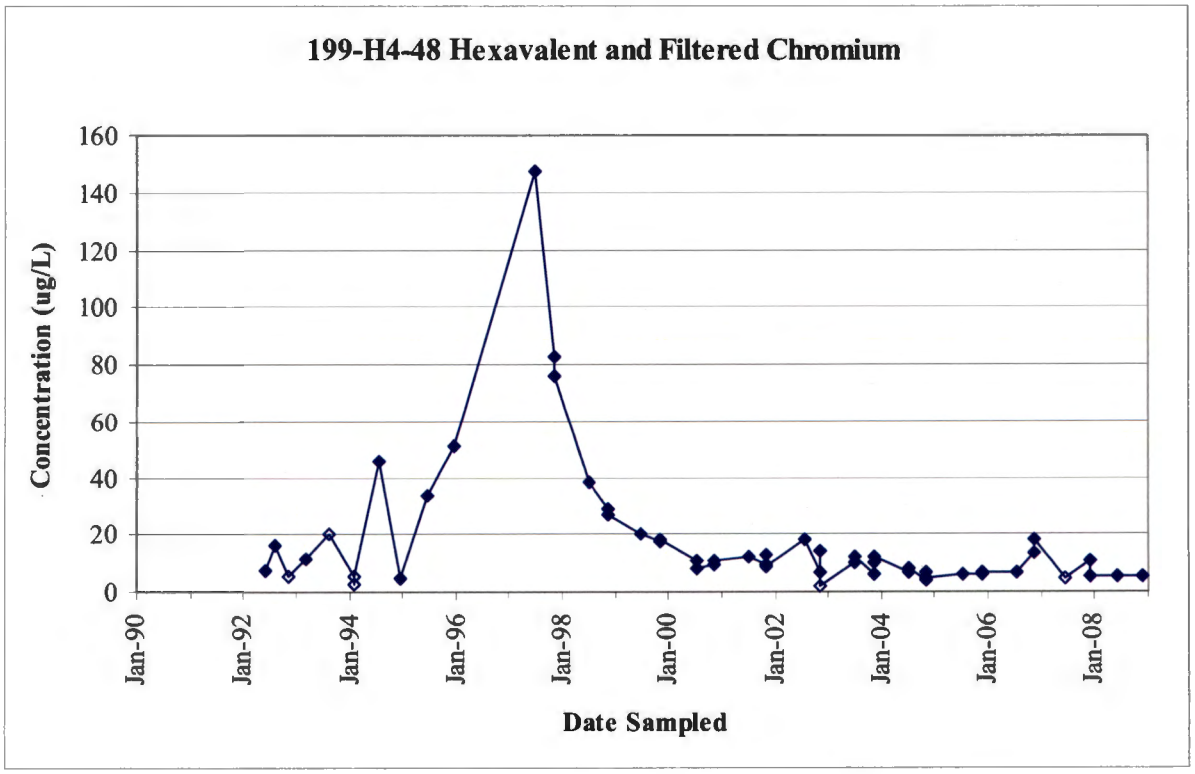

199-H4-3 Hexavalent and Filtered Chromium
Concentration (ug/L)
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

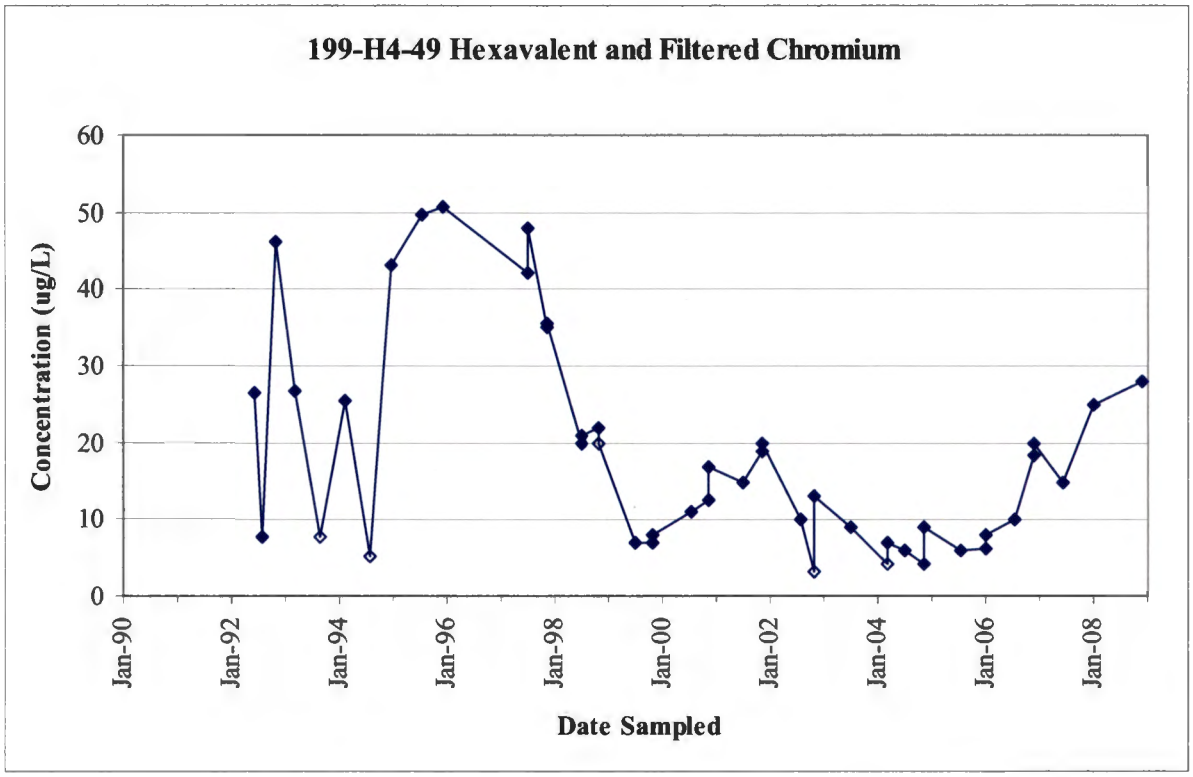

199-H4-4 Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

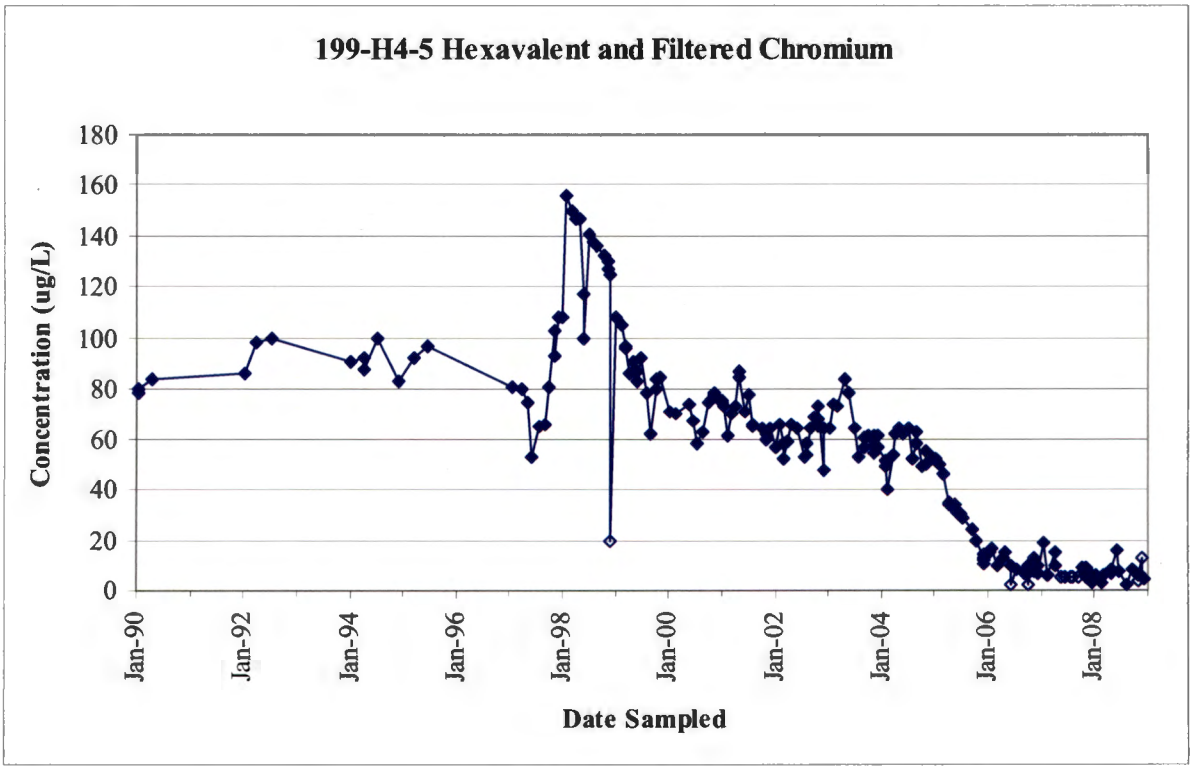

199-H4-45 Hexavalent and Filtered Chromium
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

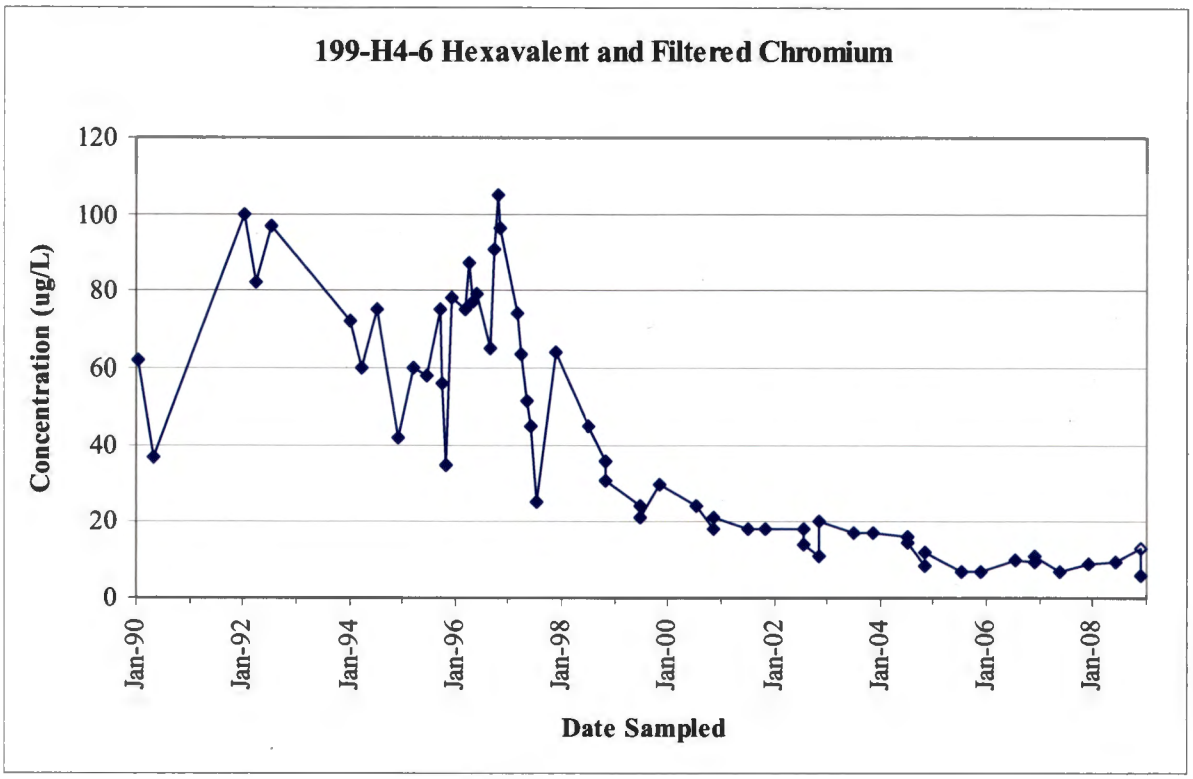

199-H4-46 Hexavalent and Filtered Chromium
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

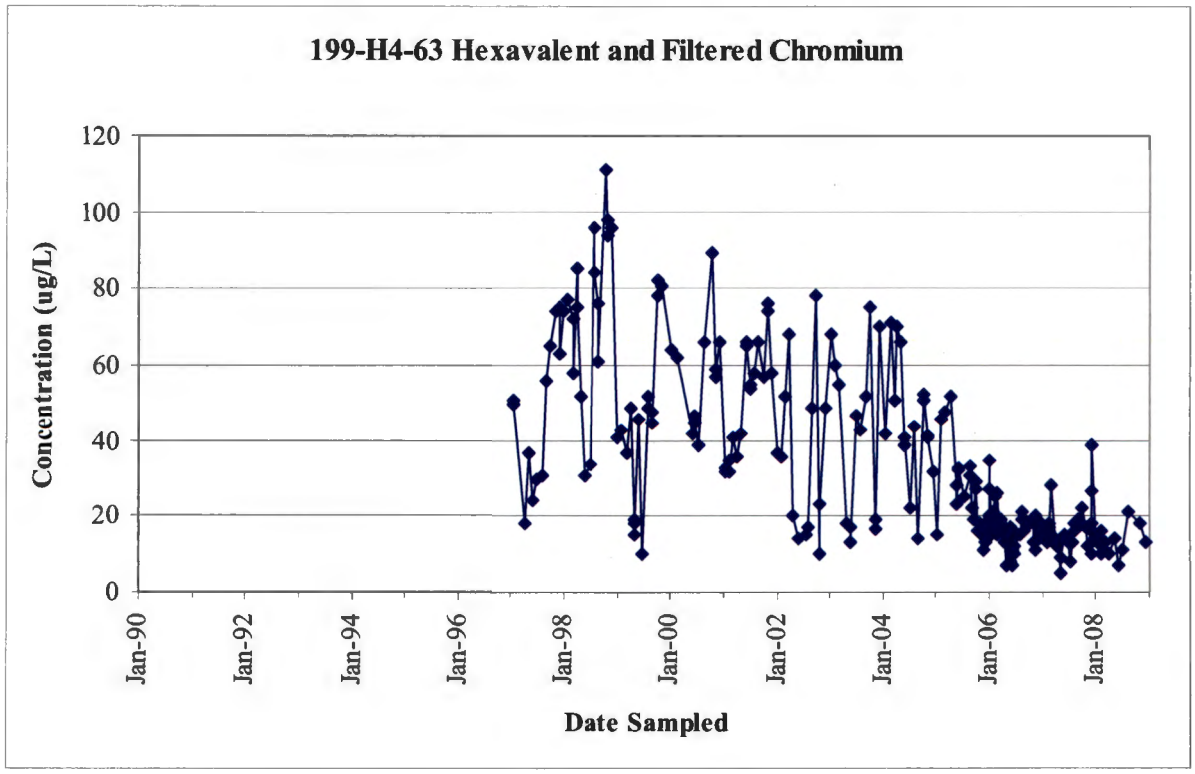

199-H4-47 Hexavalent and Filtered Chromium
Concentration (ug/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

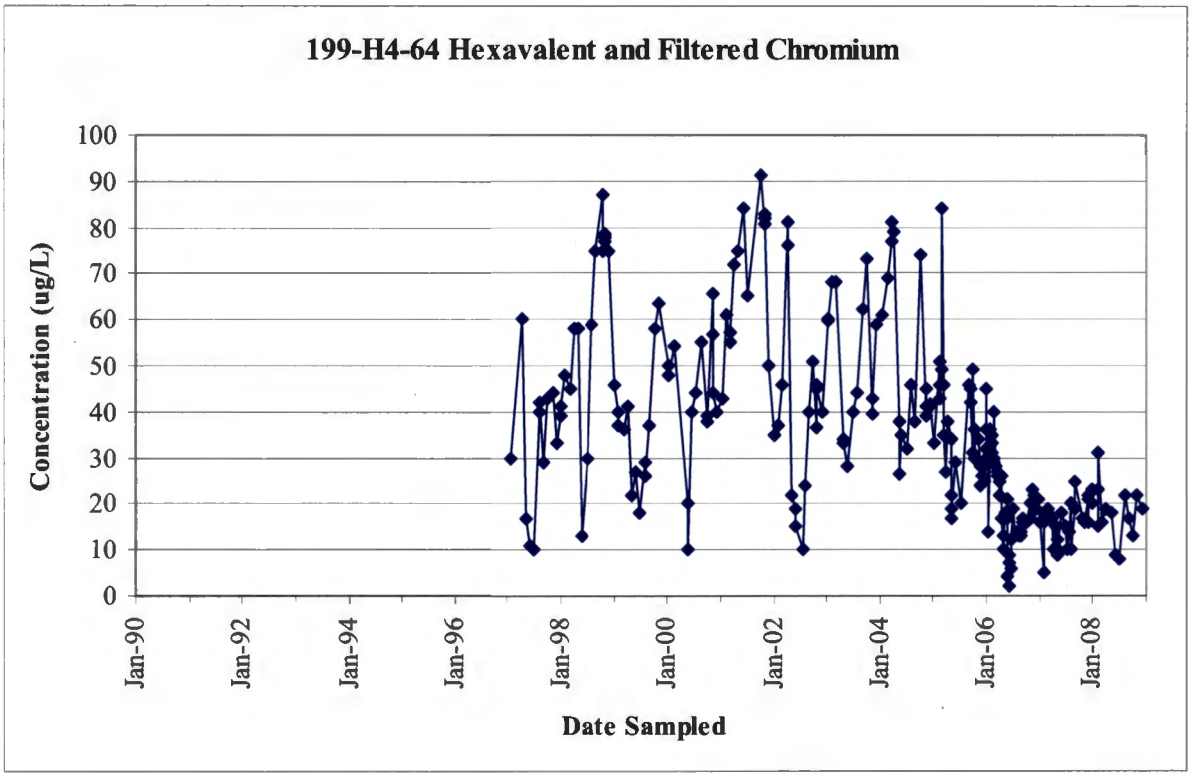

199-H4-48 Hexavalent and Filtered Chromium
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

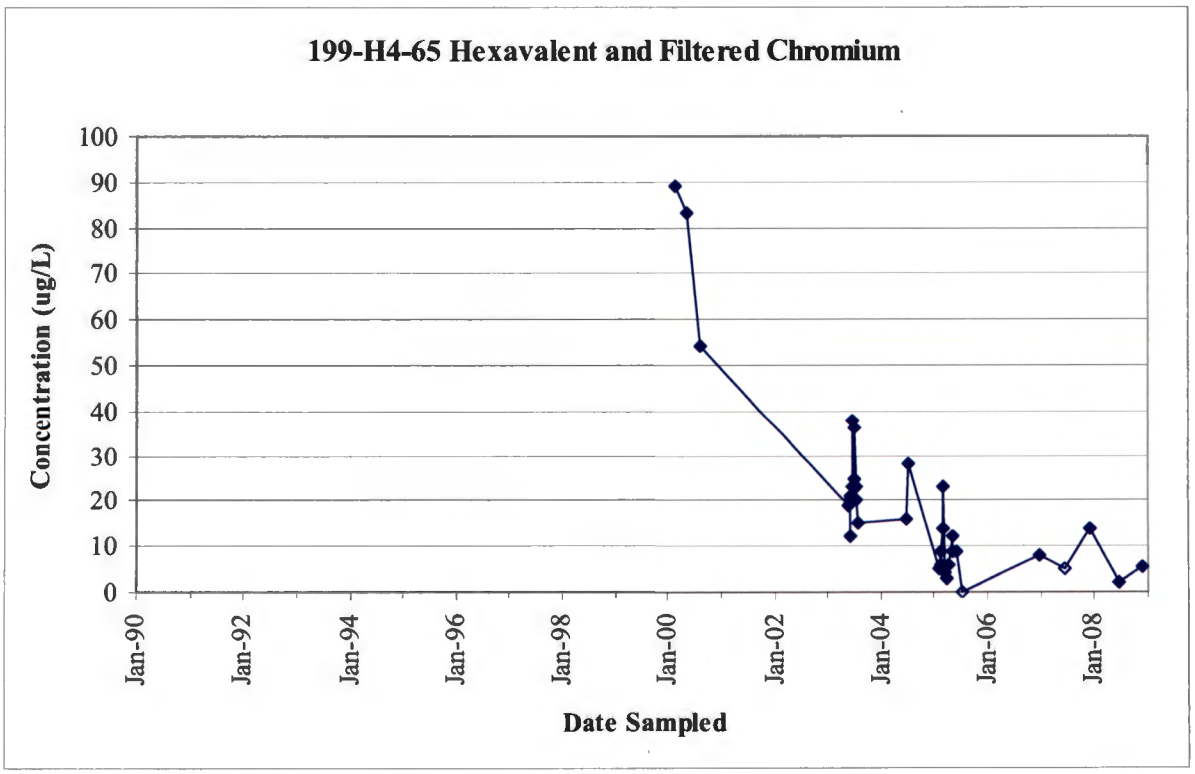

199-H4-49 Hexavalent and Filtered Chromium
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

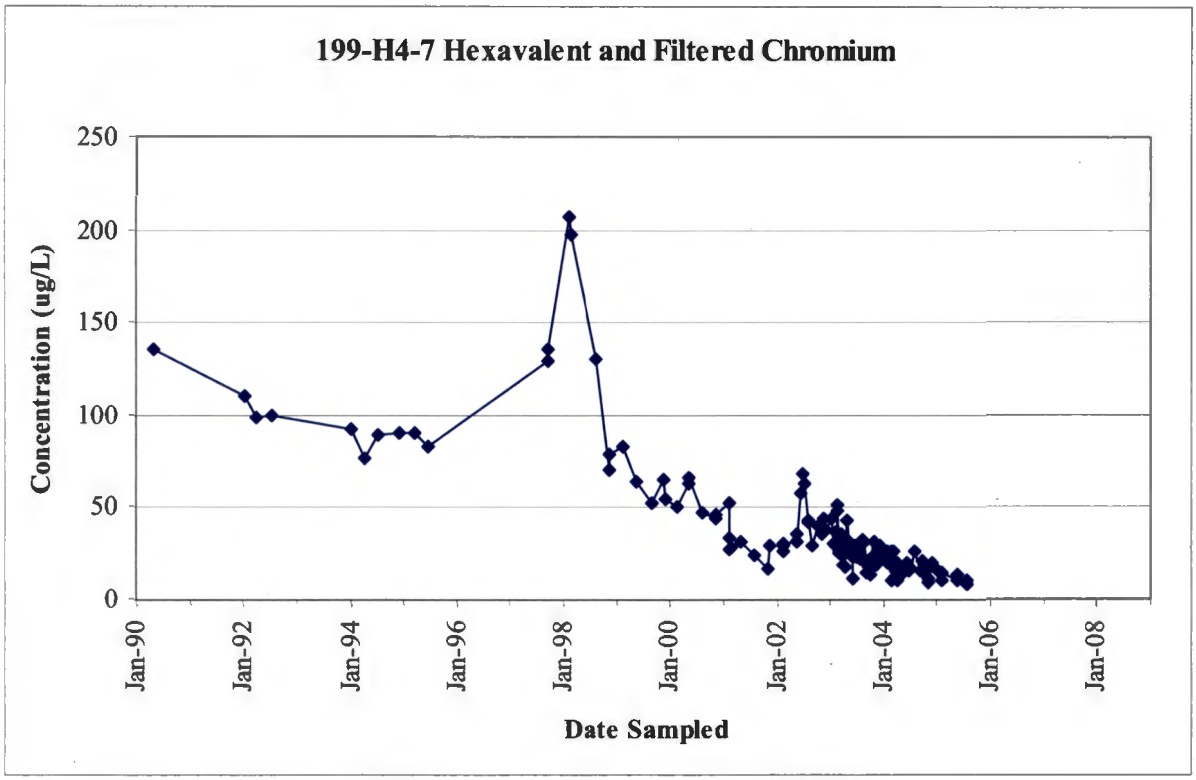

199-H4-5 Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

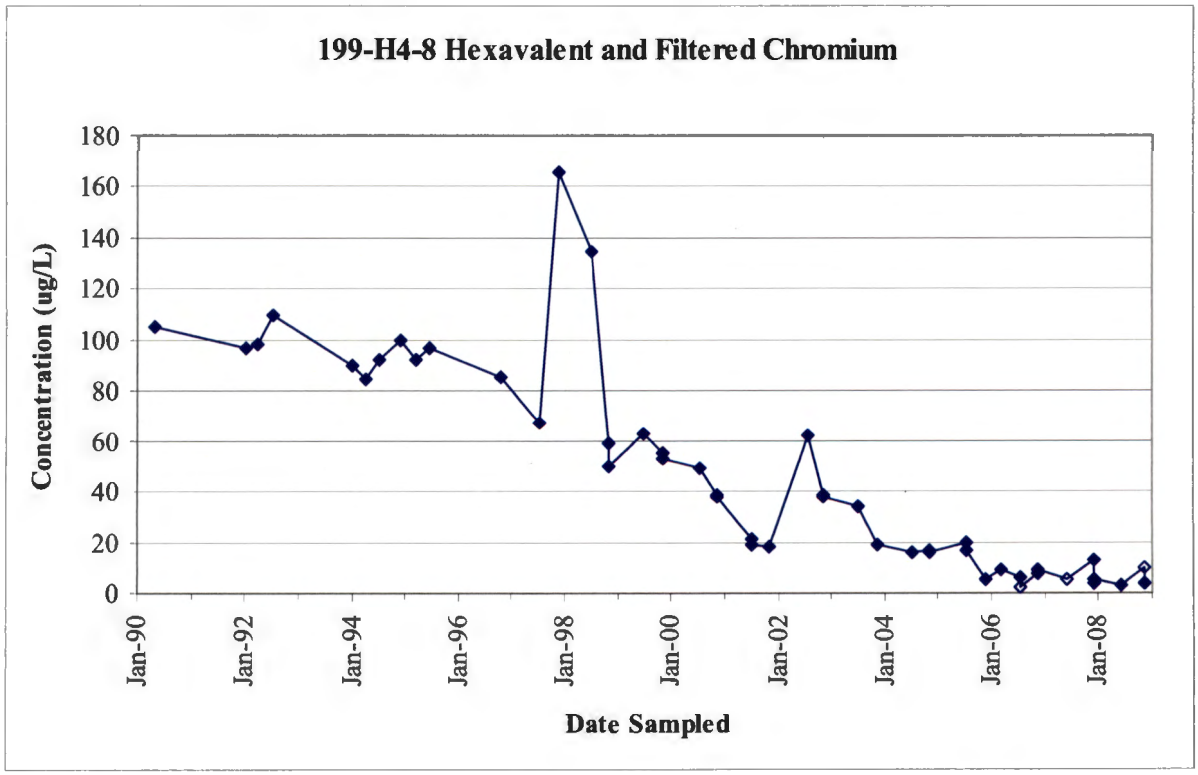

199-H4-6 Hexavalent and Filtered Chromium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

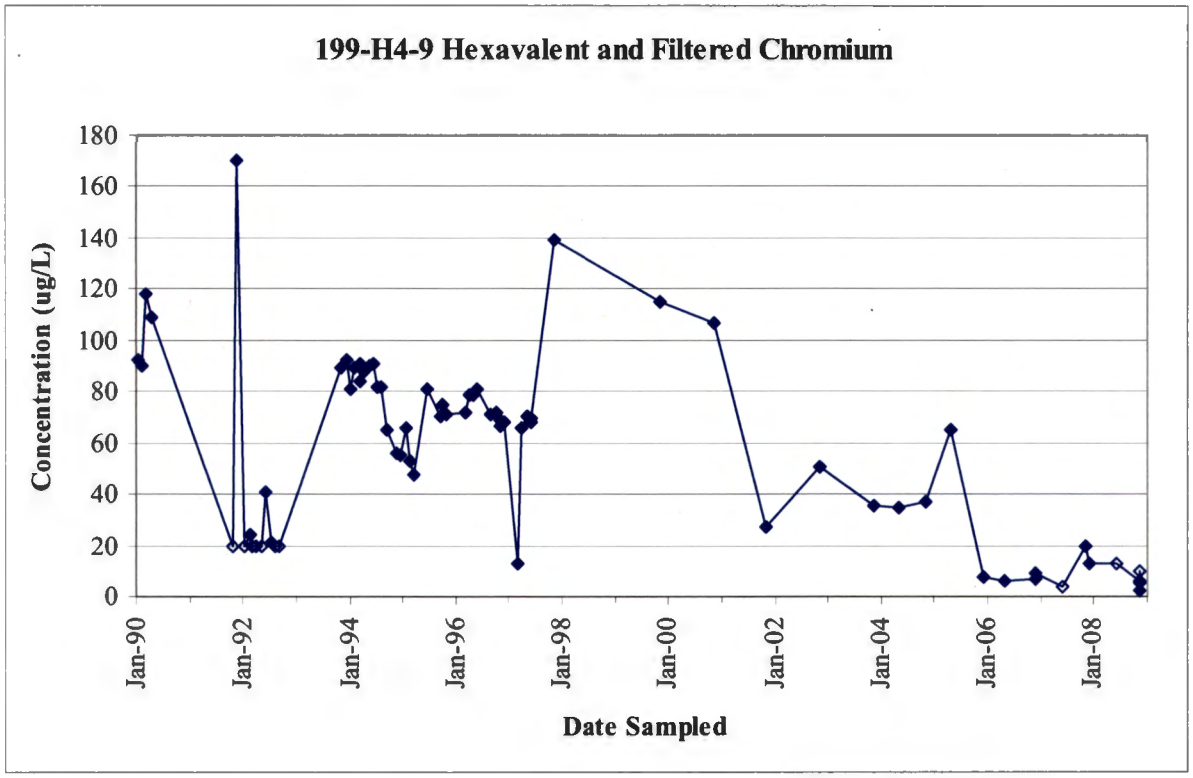

199-H4-63 Hexavalent and Filtered Chromium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

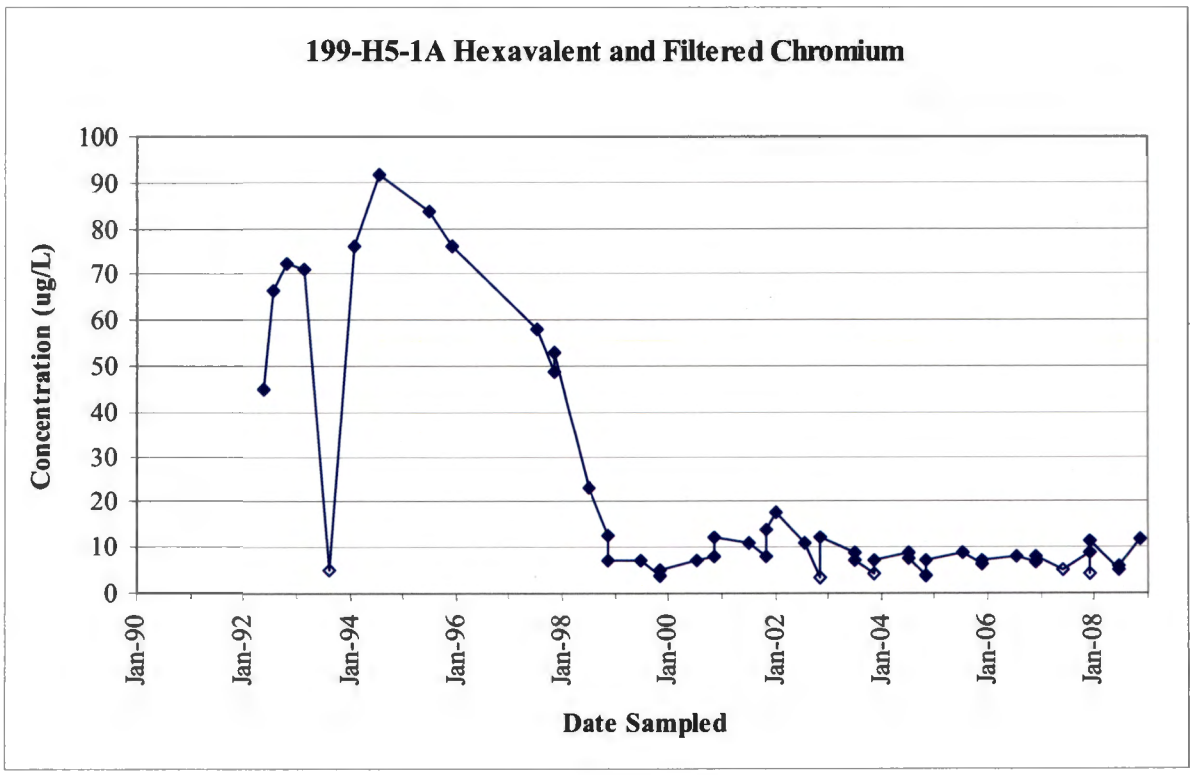

199-H4-64 Hexavalent and Filtered Chromium
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

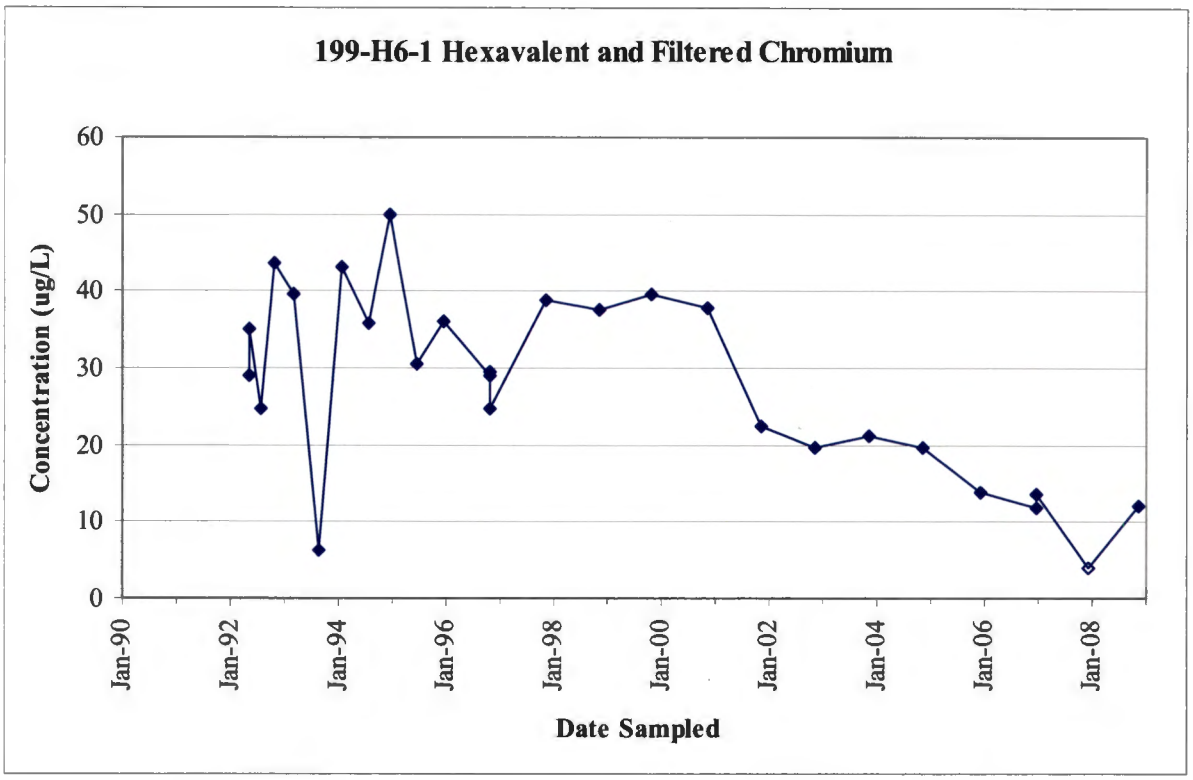

199-H4-65 Hexavalent and Filtered Chromium
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

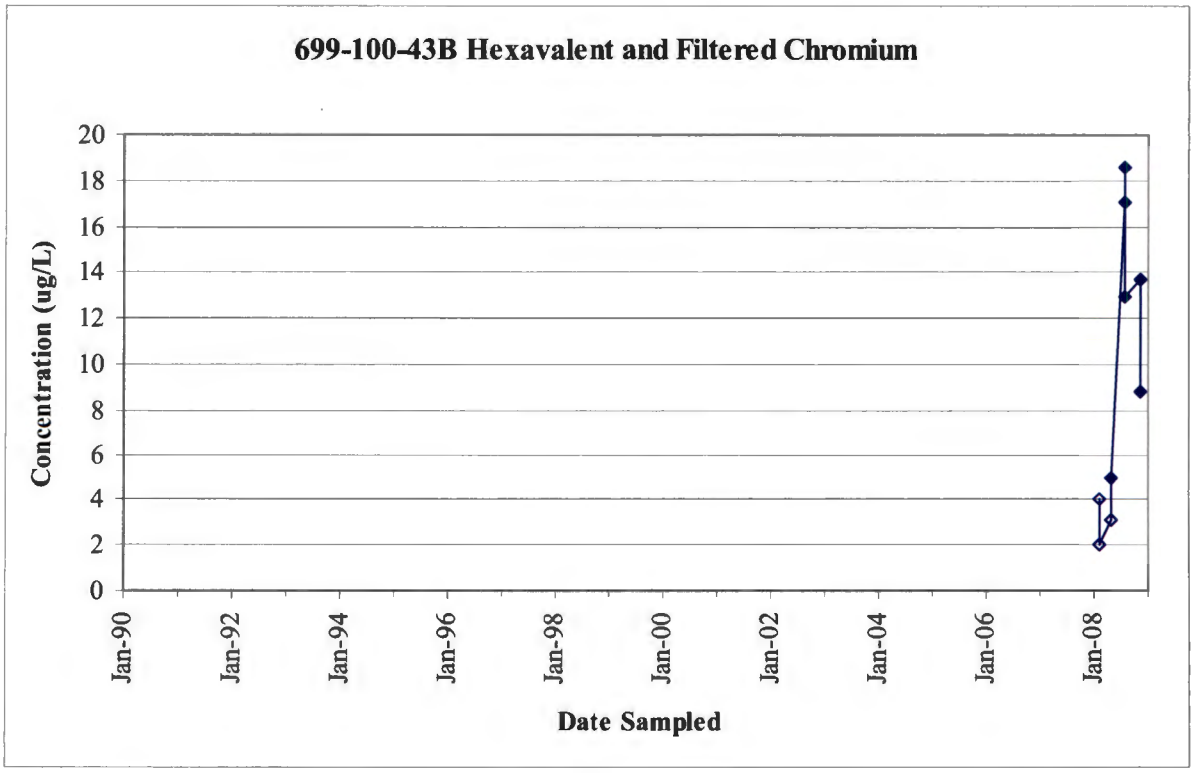

199-H4-7 Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

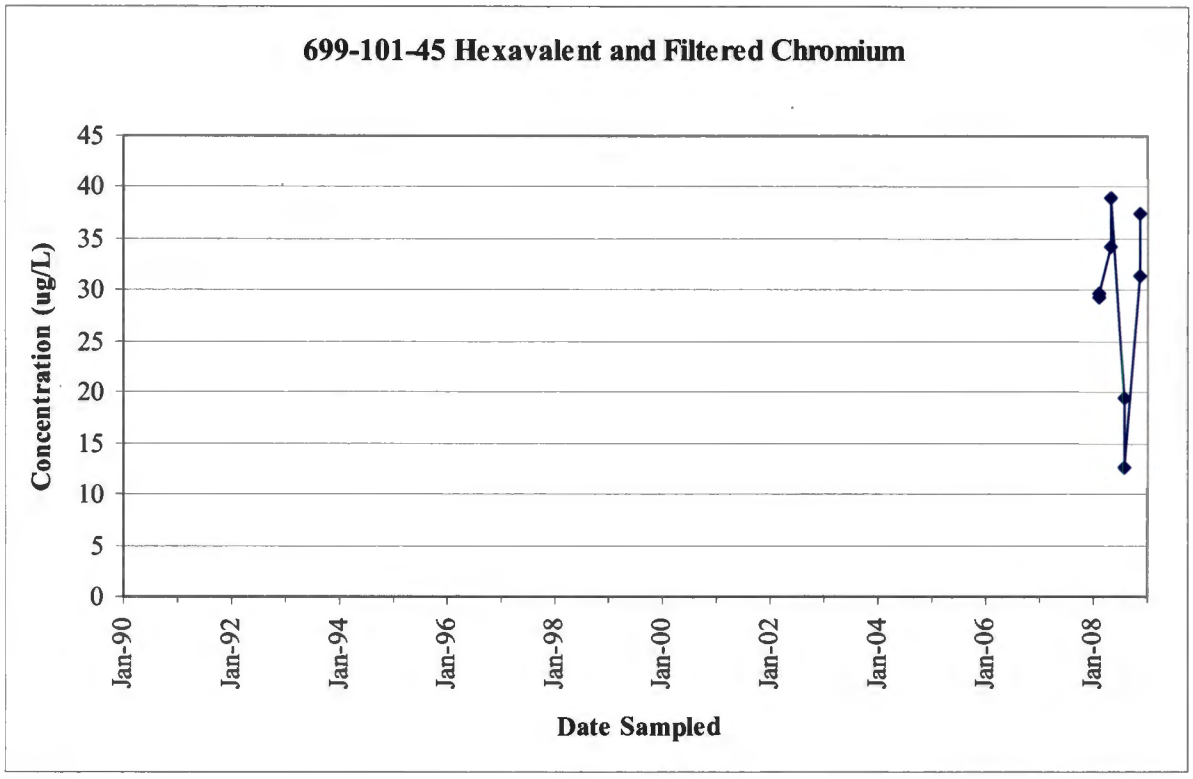

199-H4-8 Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

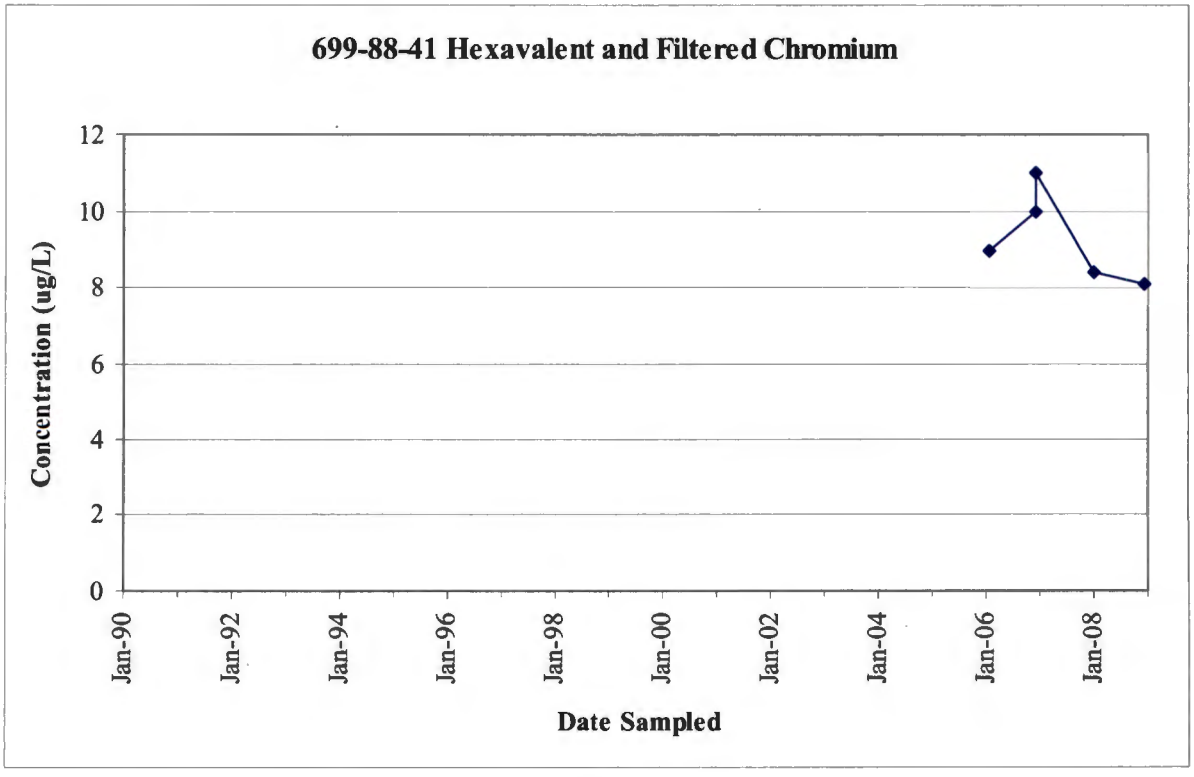

199-H4-9 Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

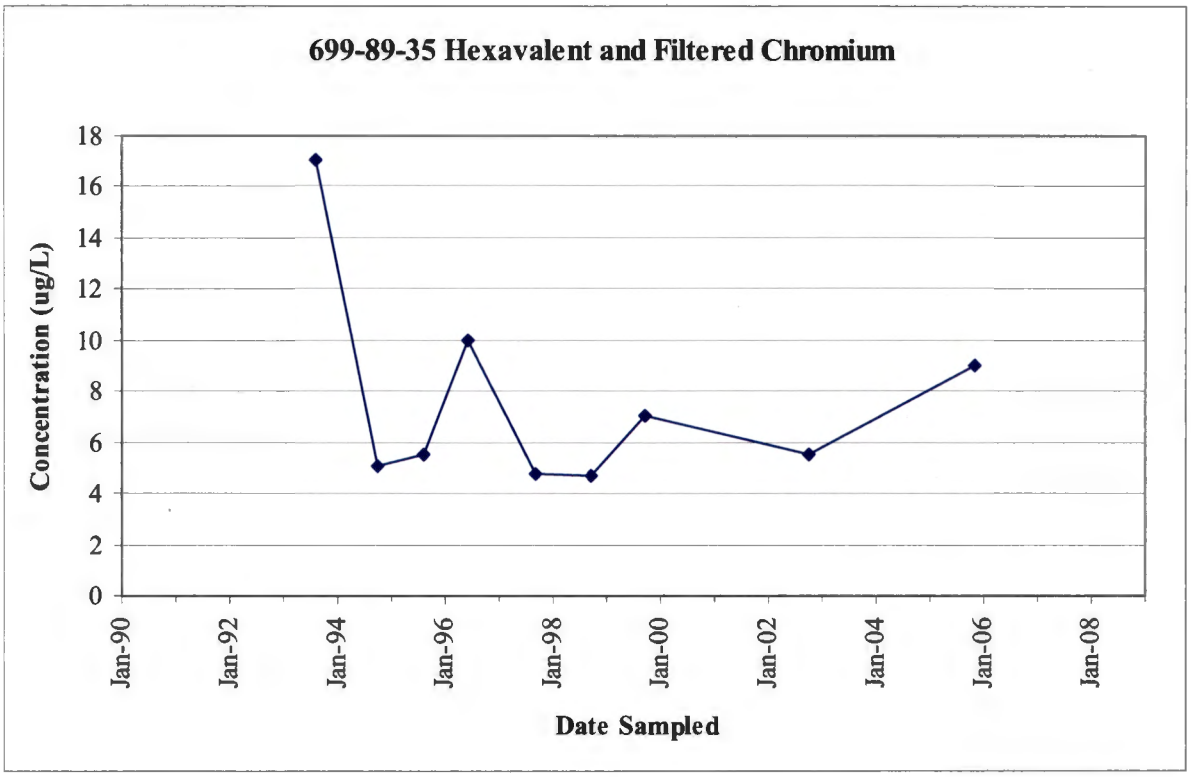

199-H5-1A Hexavalent and Filtered Chromium
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

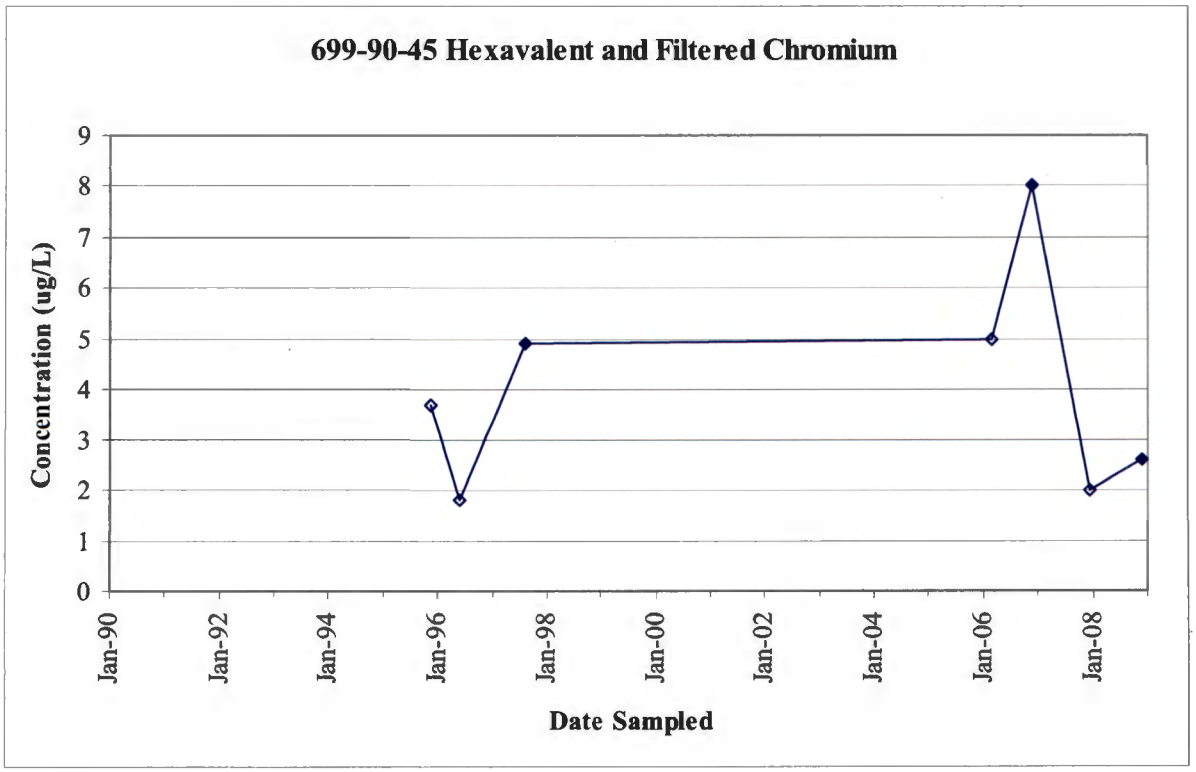

199-H6-1 Hexavalent and Filtered Chromium
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

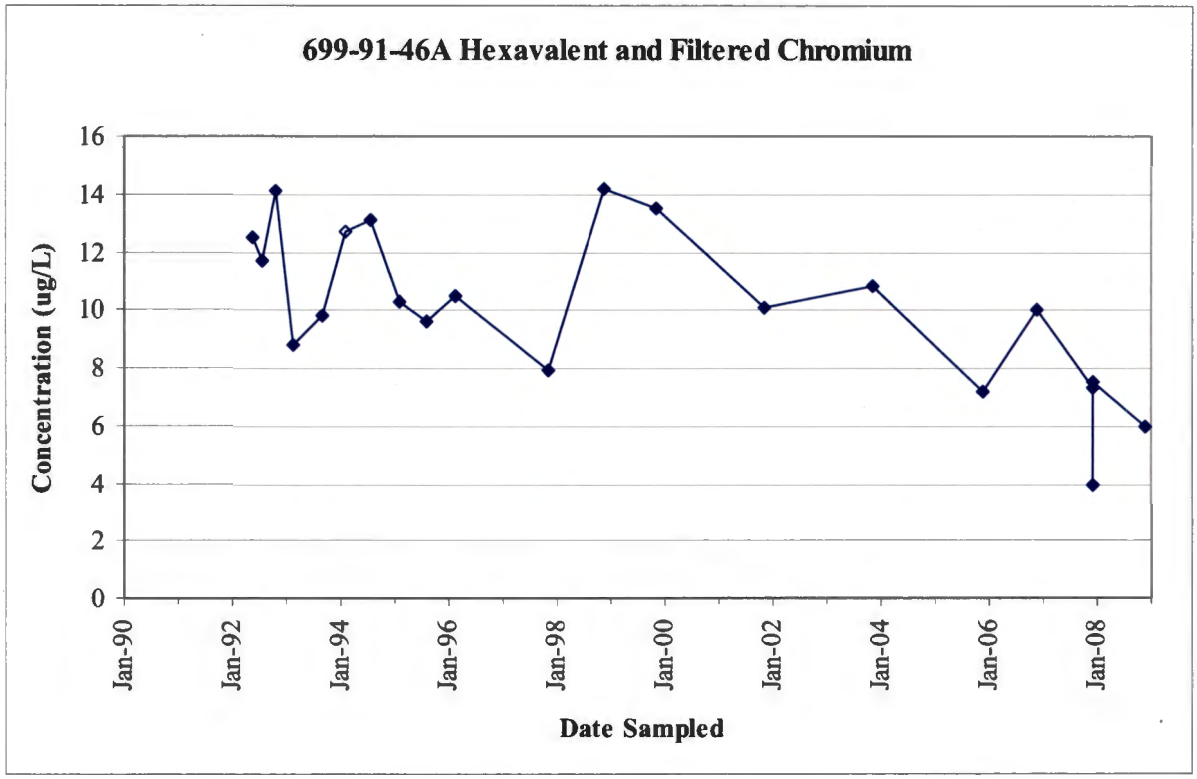

699-100-43B Hexavalent and Filtered Chromium
Concentration (ug/L)
20
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

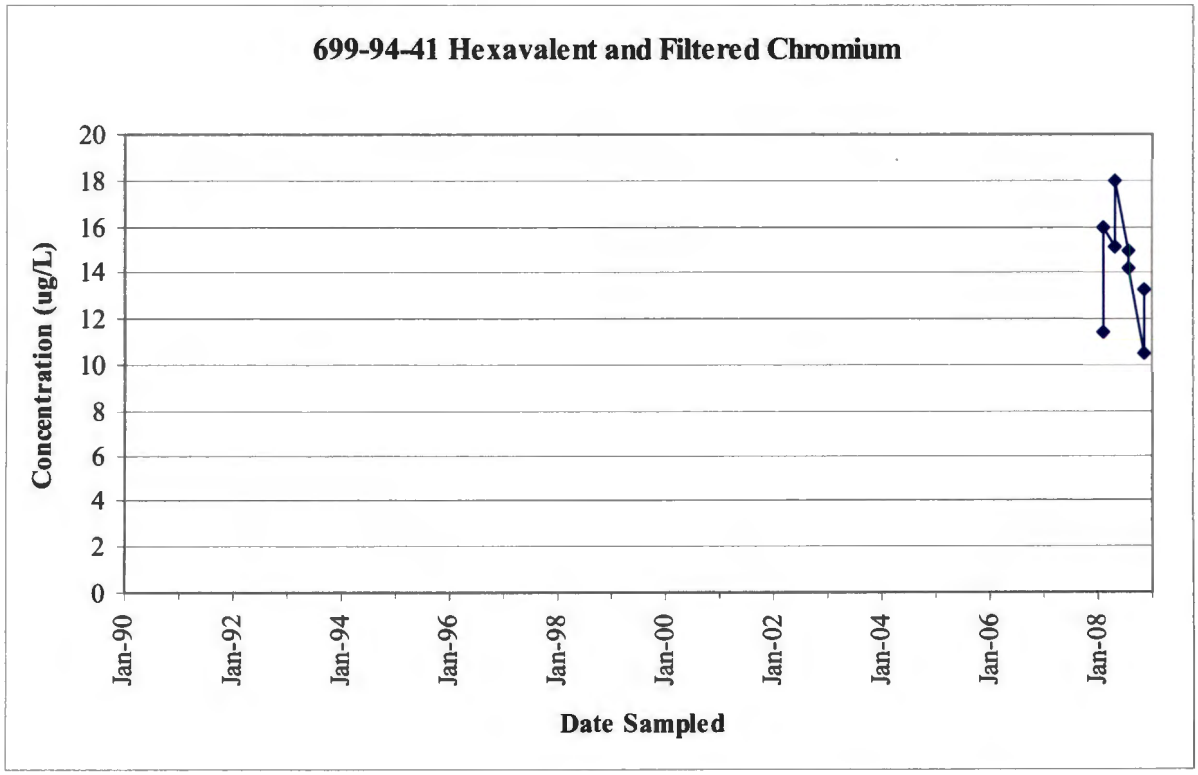

699-101-45 Hexavalent and Filtered Chromium
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

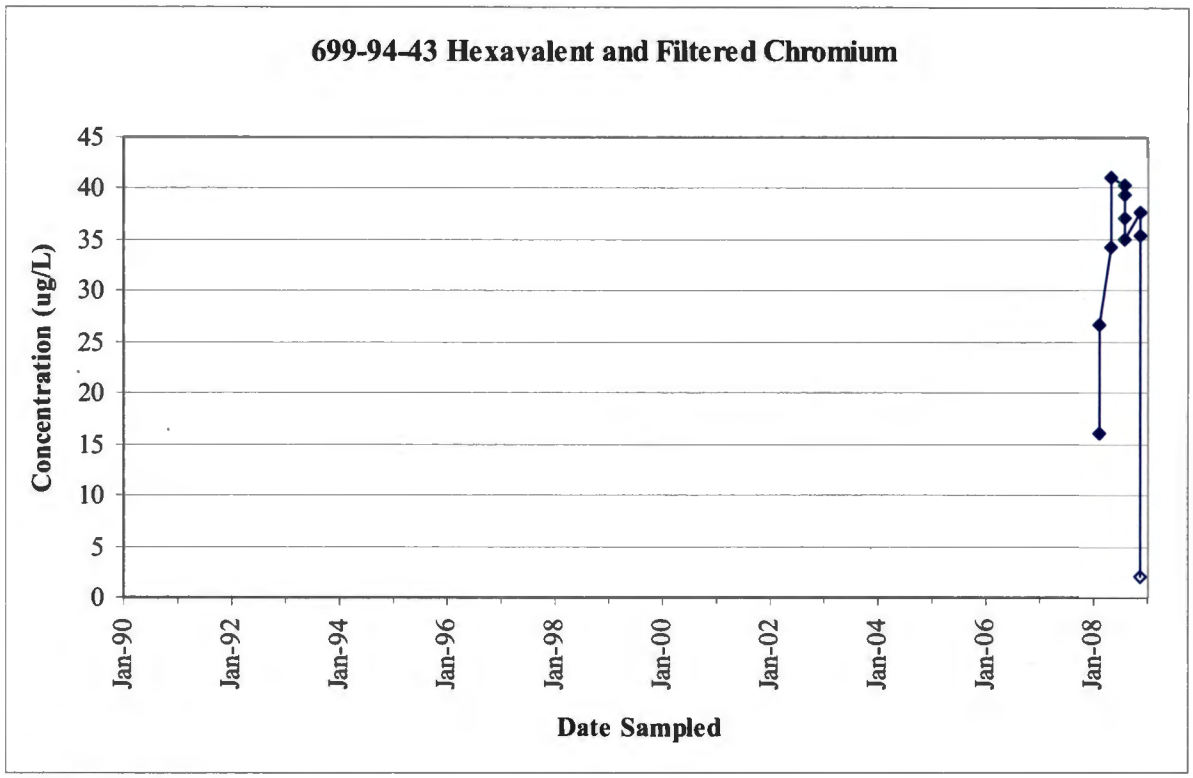

699-88-41 Hexavalent and Filtered Chromium
Concentration (ug/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

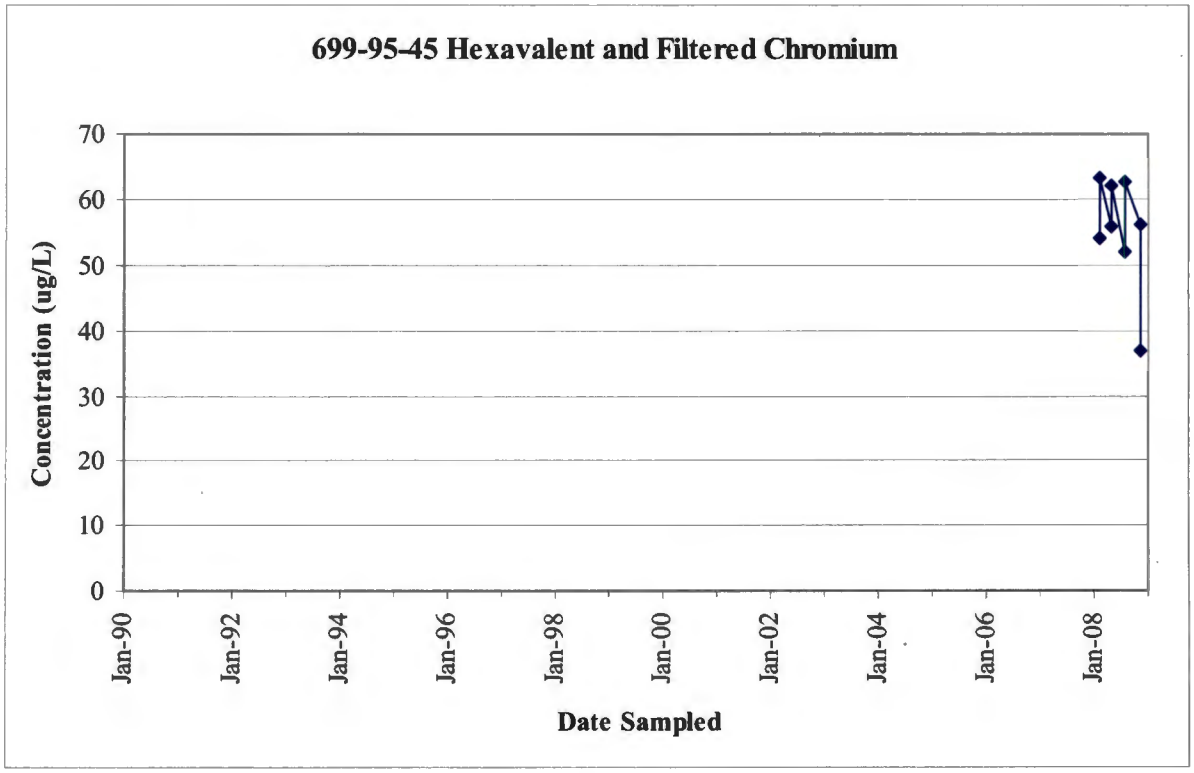

699-89-35 Hexavalent and Filtered Chromium
Concentration (ug/L)
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

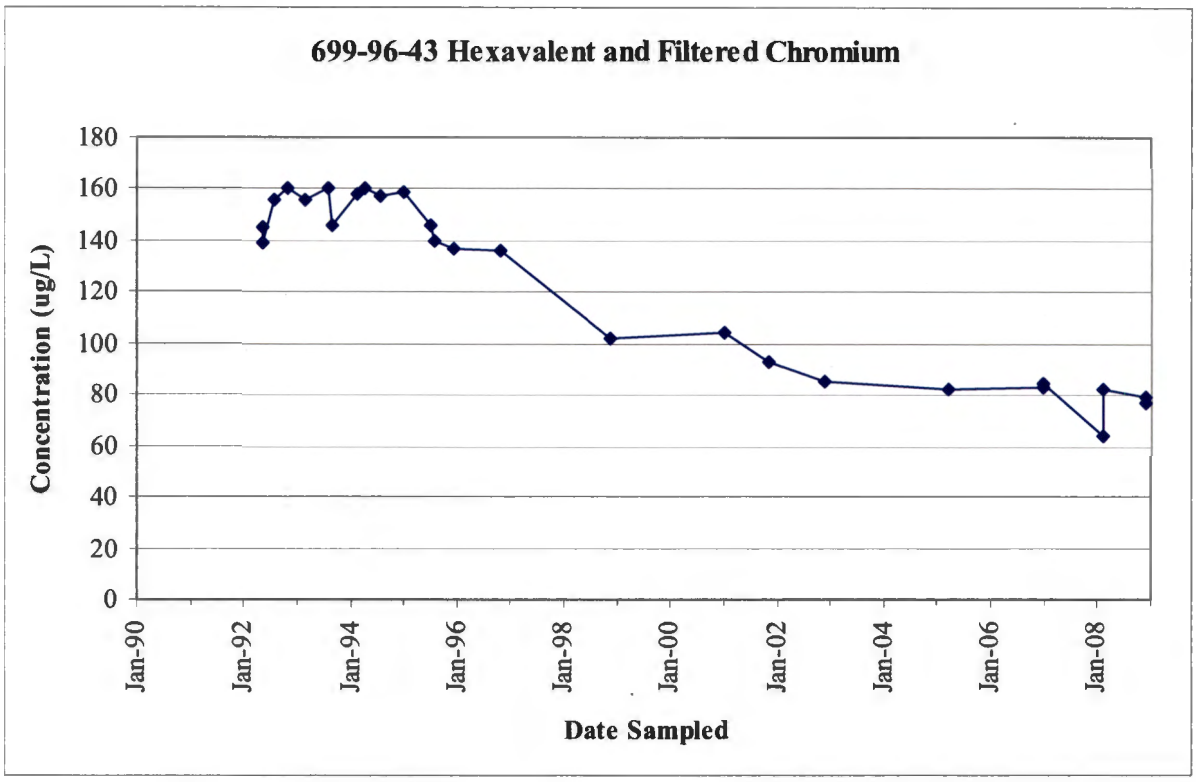

699-90-45 Hexavalent and Filtered Chromium
Concentration (ug/L)
9
8
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

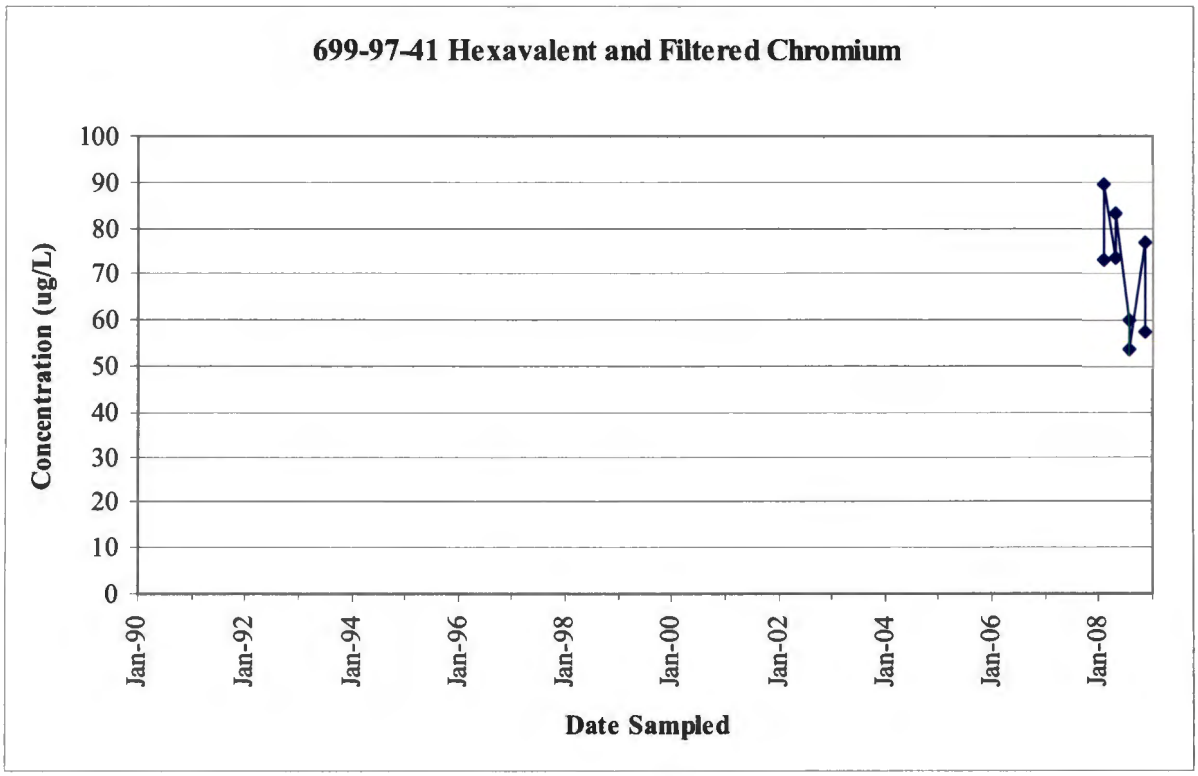

699-91-46A Hexavalent and Filtered Chromium
Concentration (ug/L)
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

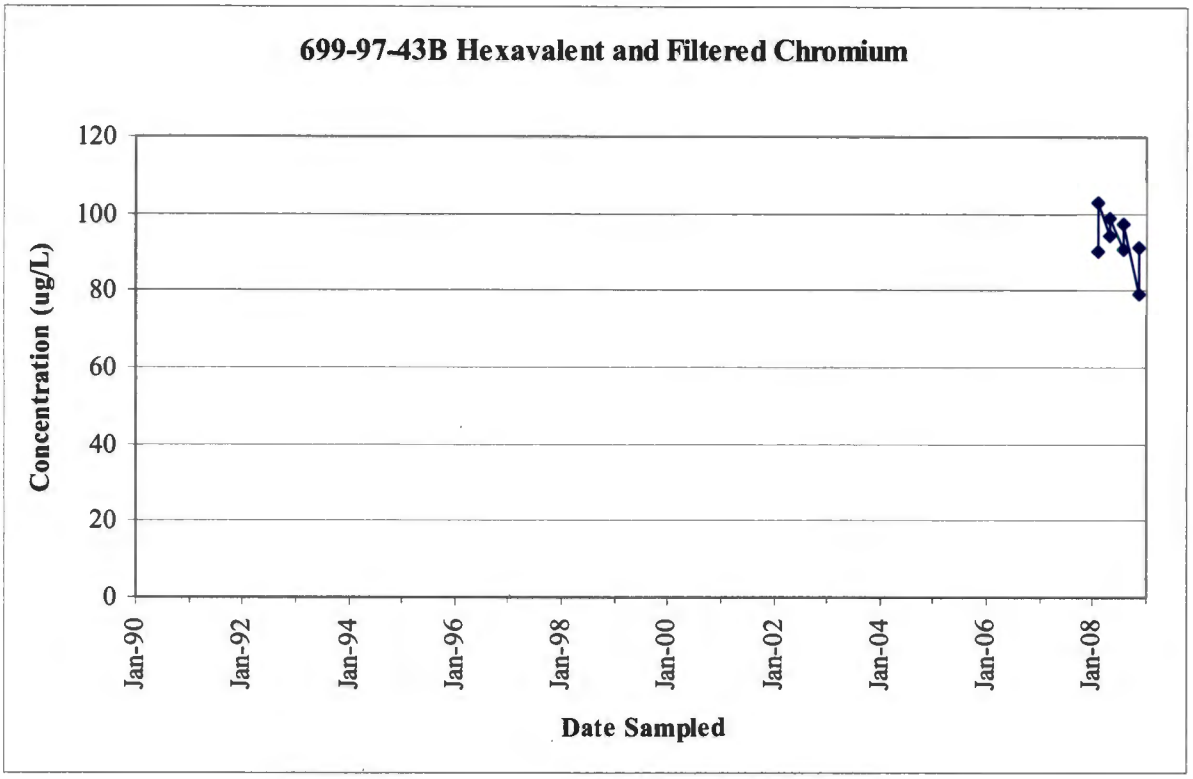

699-94-41 Hexavalent and Filtered Chromium
Concentration (ug/L)
20
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

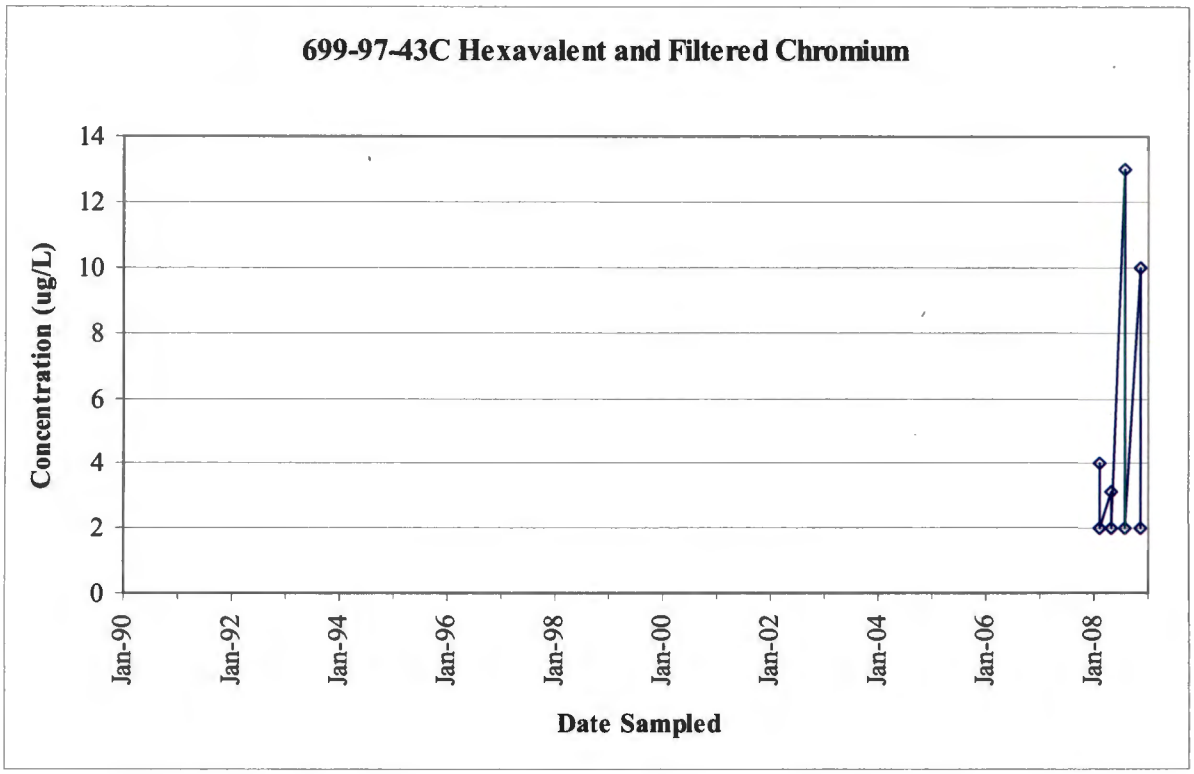

699-94-43 Hexavalent and Filtered Chromium
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

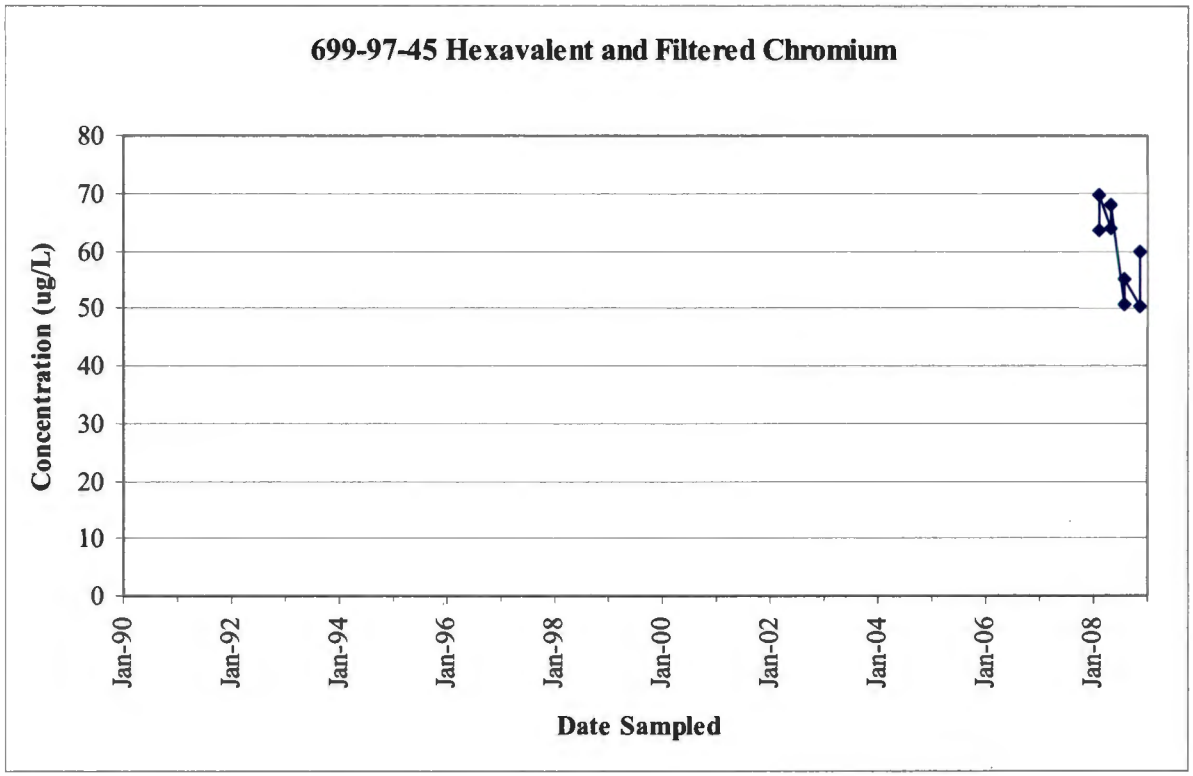

699-95-45 Hexavalent and Filtered Chromium
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-96-43 Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-97-41 Hexavalent and Filtered Chromium
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-97-43B Hexavalent and Filtered Chromium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-97-43C Hexavalent and Filtered Chromium
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-97-45 Hexavalent and Filtered Chromium
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
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Jan-92
Jan-94
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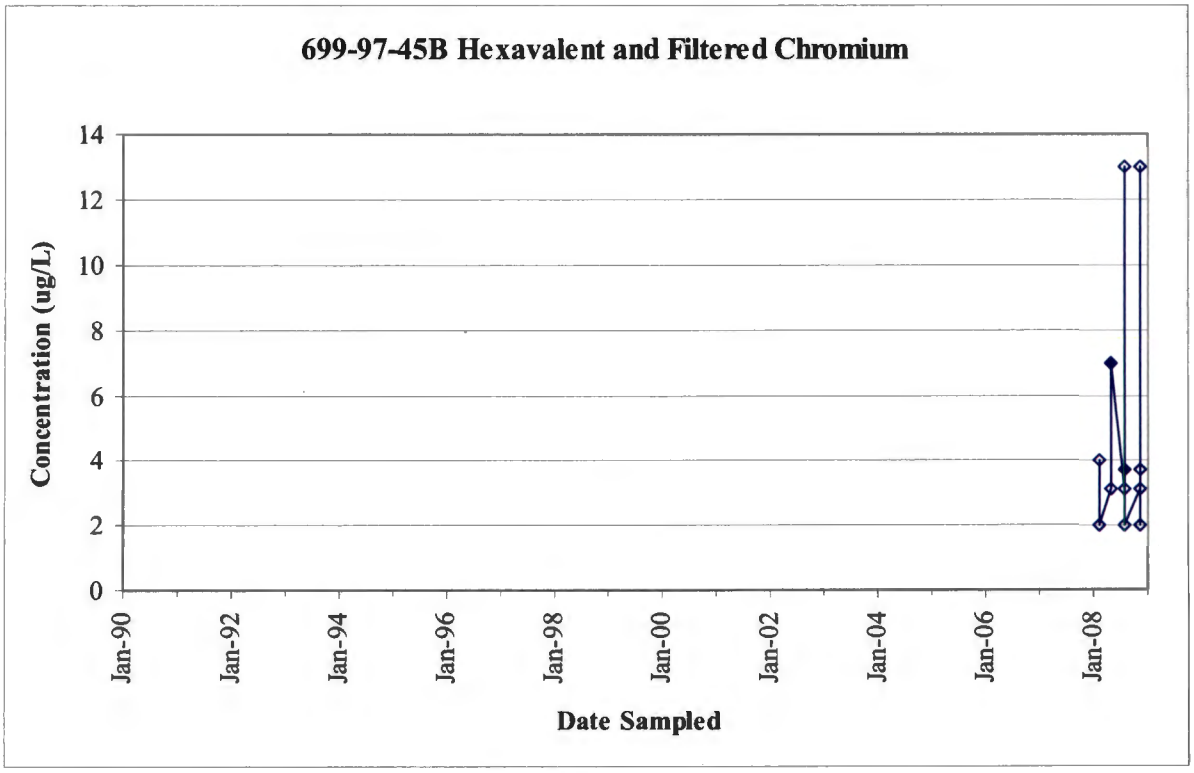
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-97-45B Hexavalent and Filtered Chromium
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-90
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Jan-94
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Jan-98
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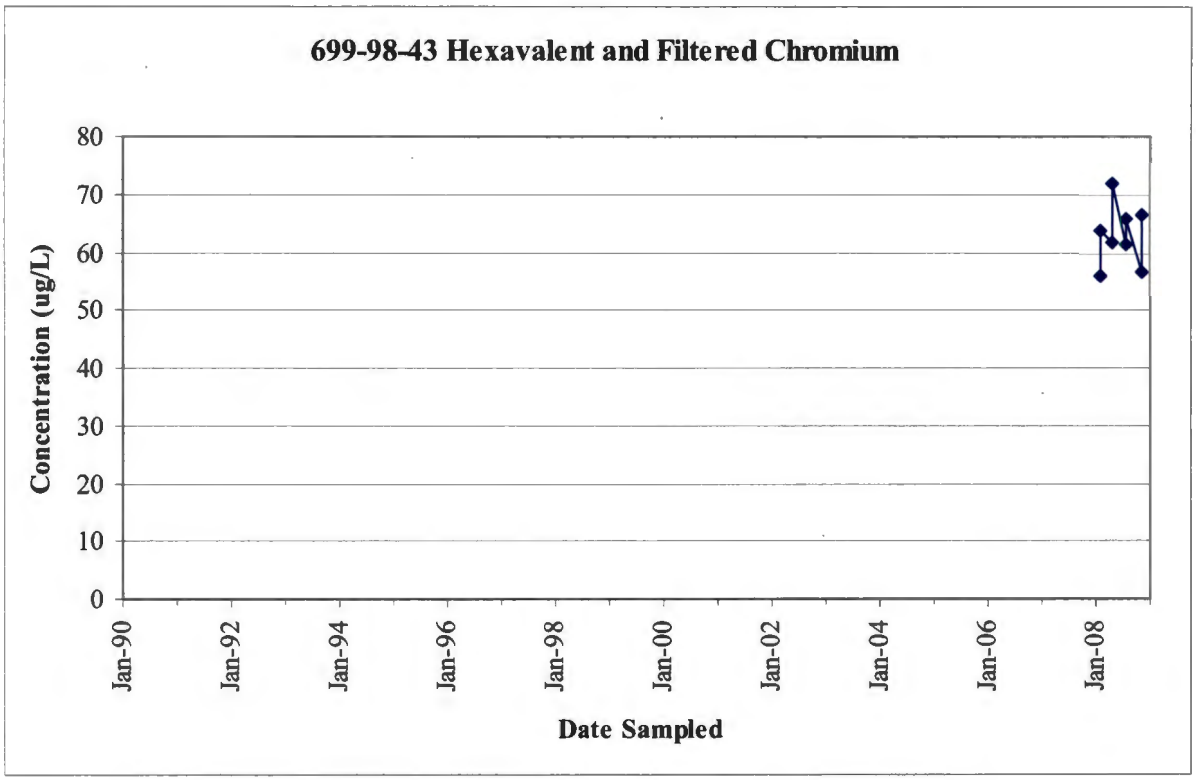
Date Sampled


699-98-43 Hexavalent and Filtered Chromium
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
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Jan-94
Jan-96
Jan-98
Jan-00
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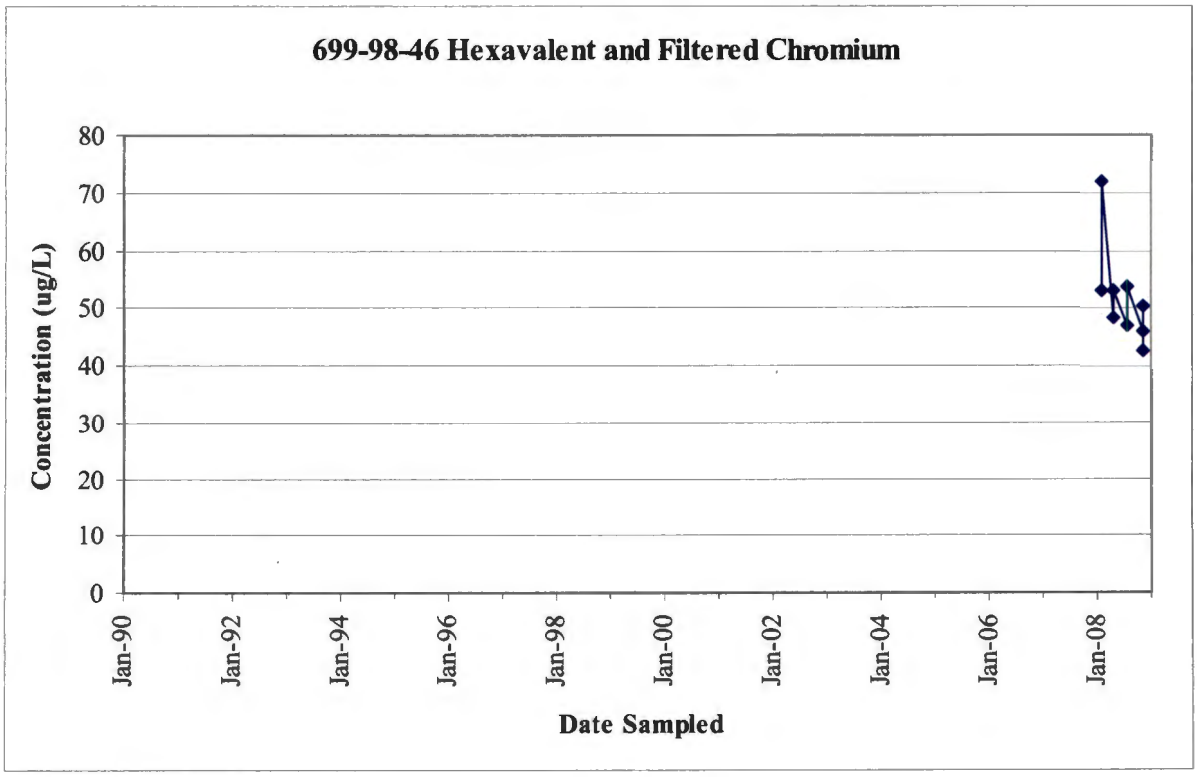
Jan-06
Jan-08
Date Sampled


699-98-46 Hexavalent and Filtered Chromium
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
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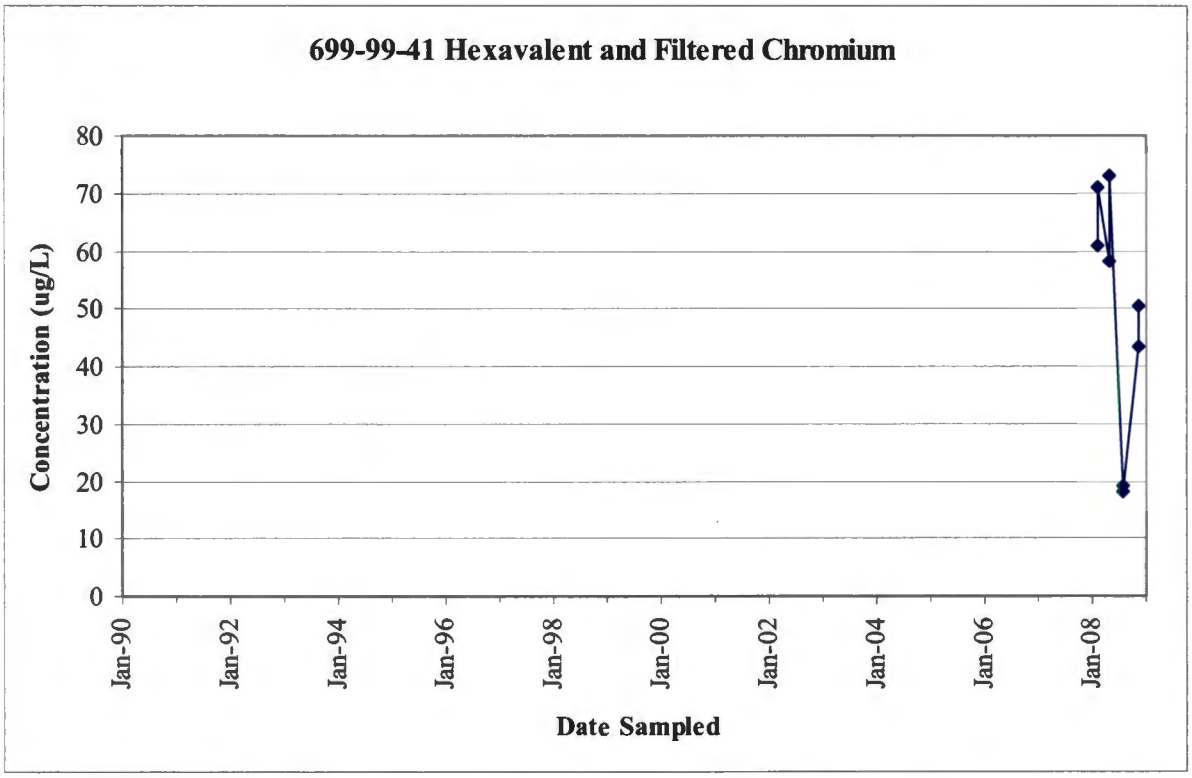
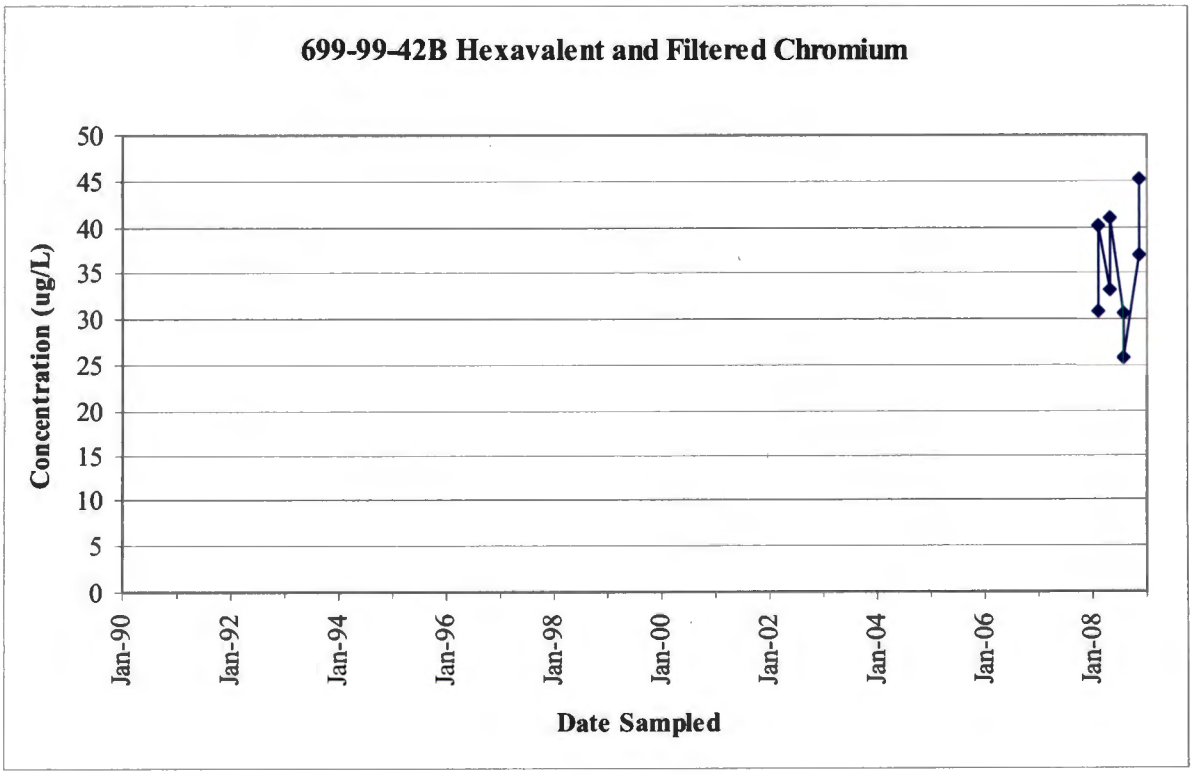
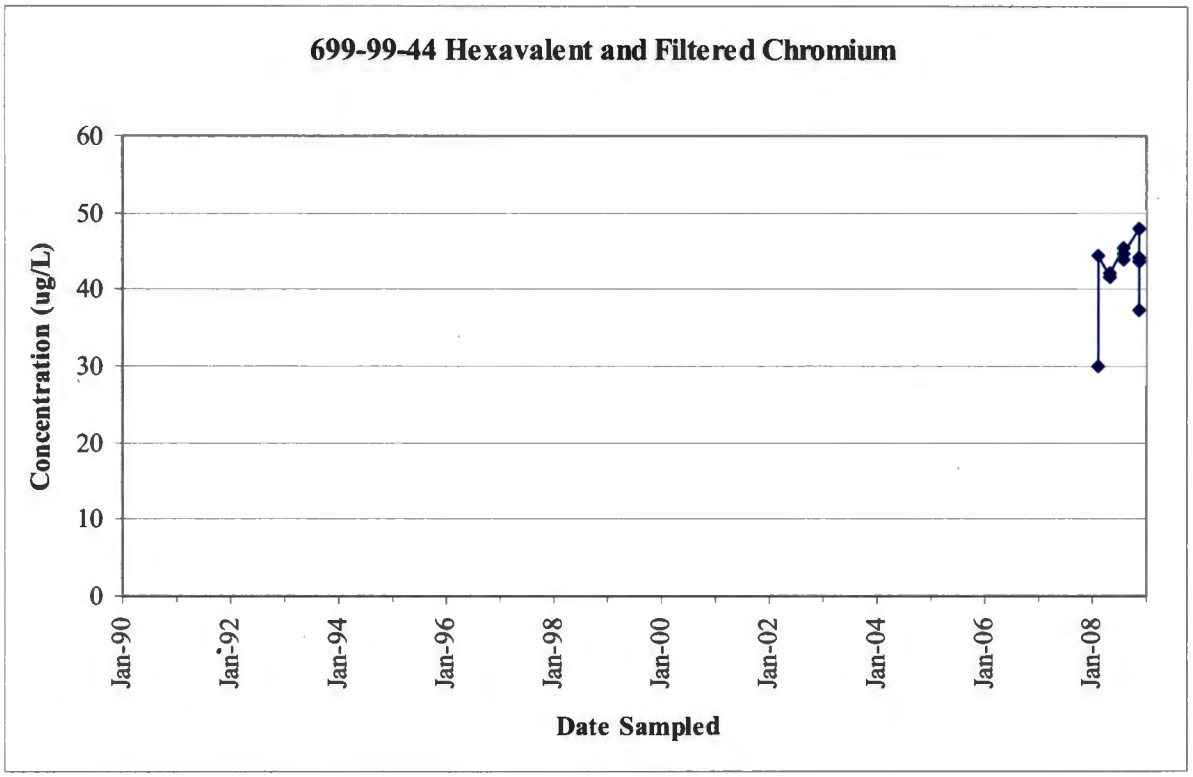
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-99-41 Hexavalent and Filtered Chromium
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-99-42B Hexavalent and Filtered Chromium
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-99-44 Hexavalent and Filtered Chromium
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
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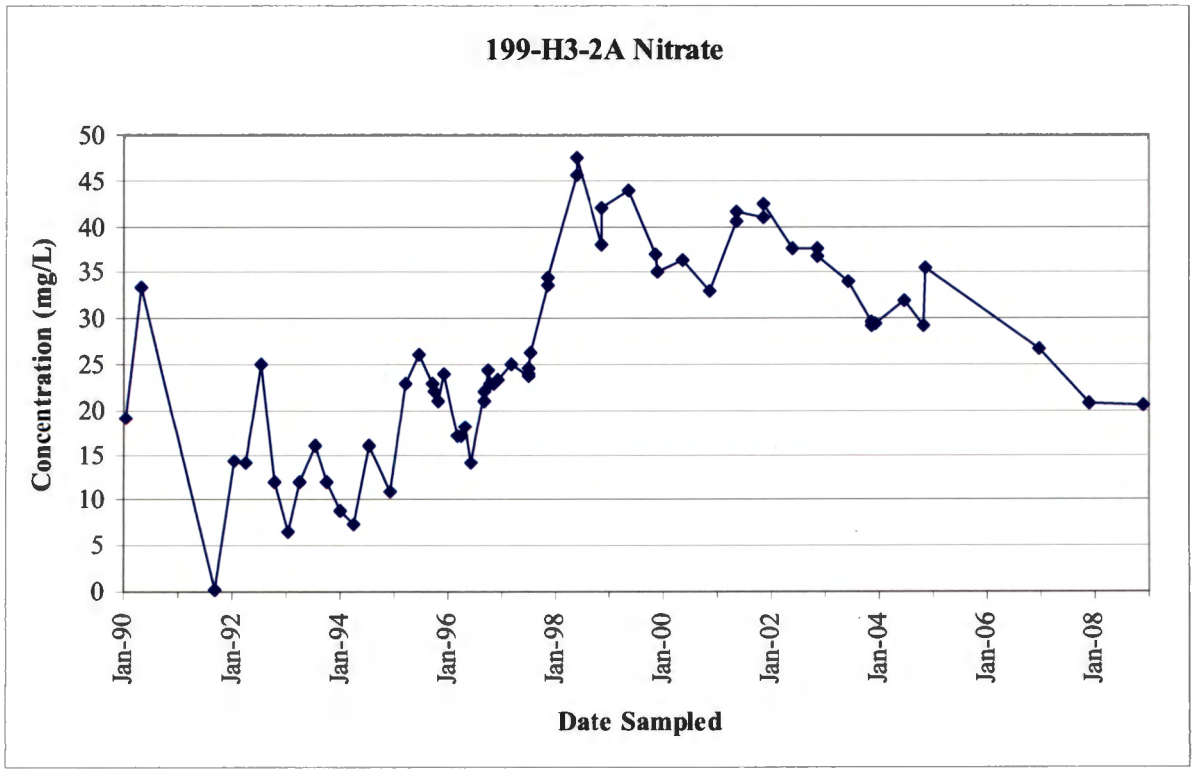
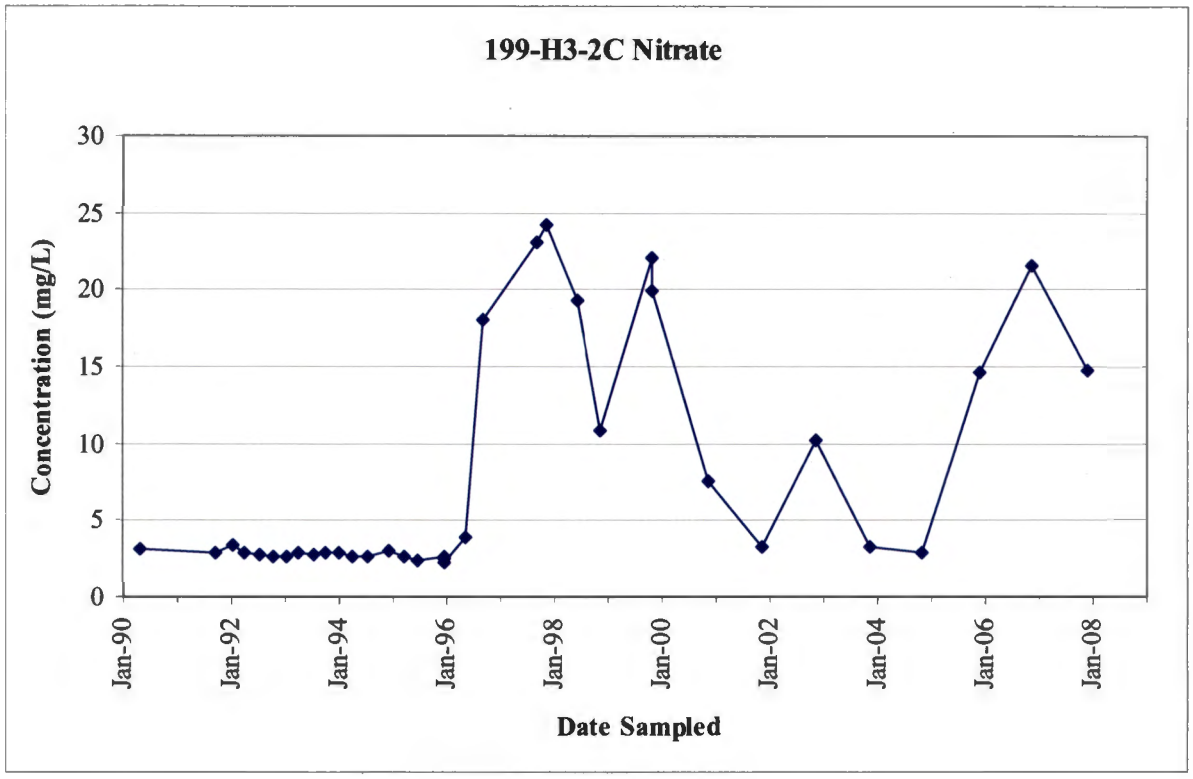
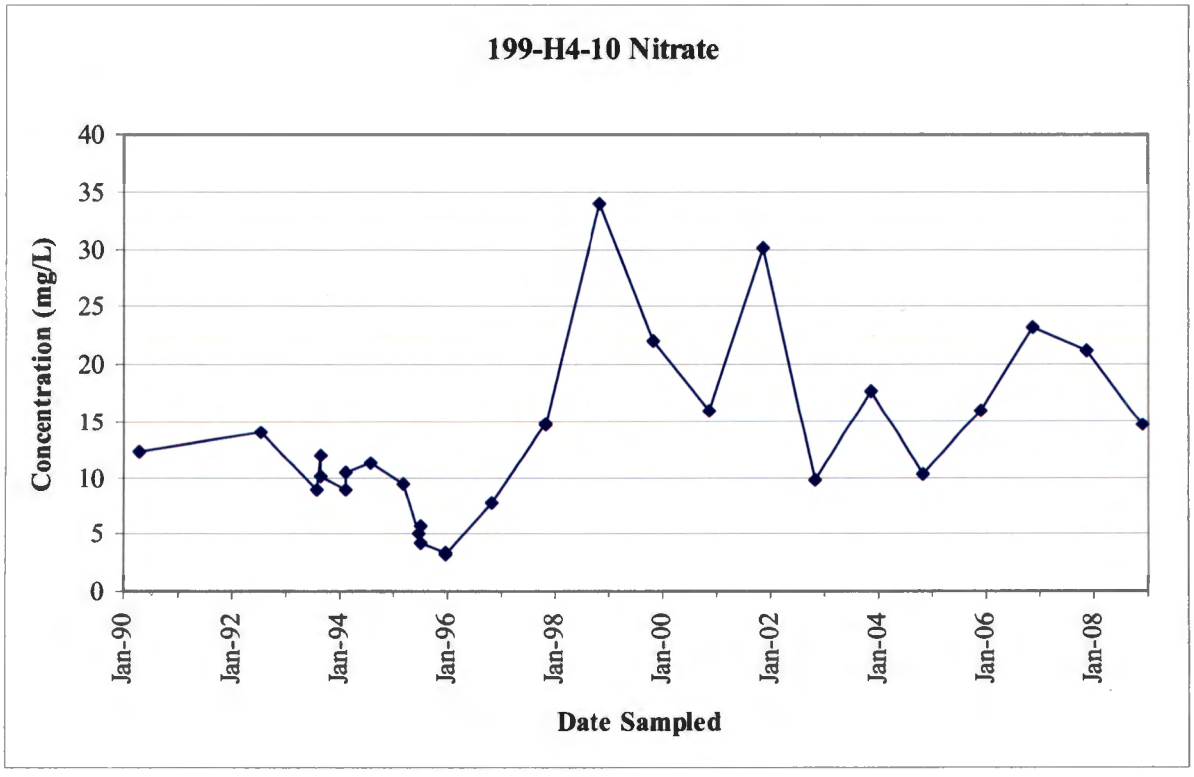
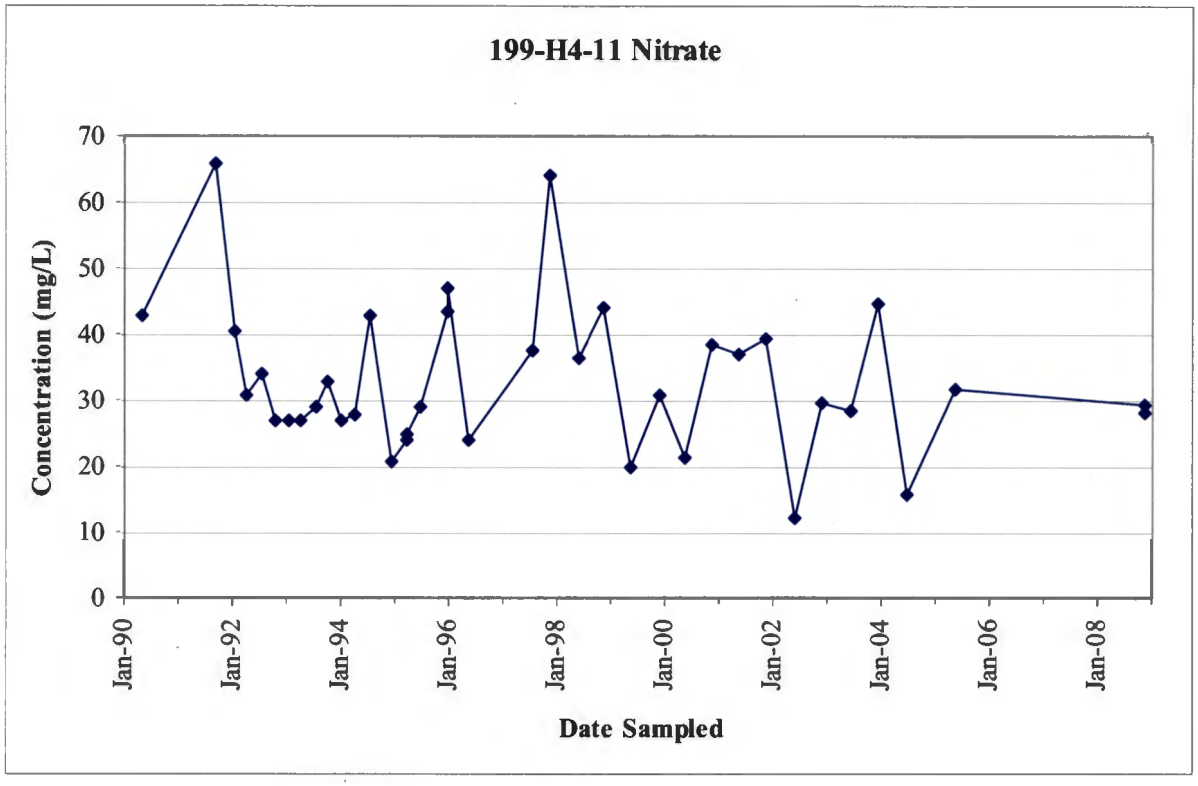
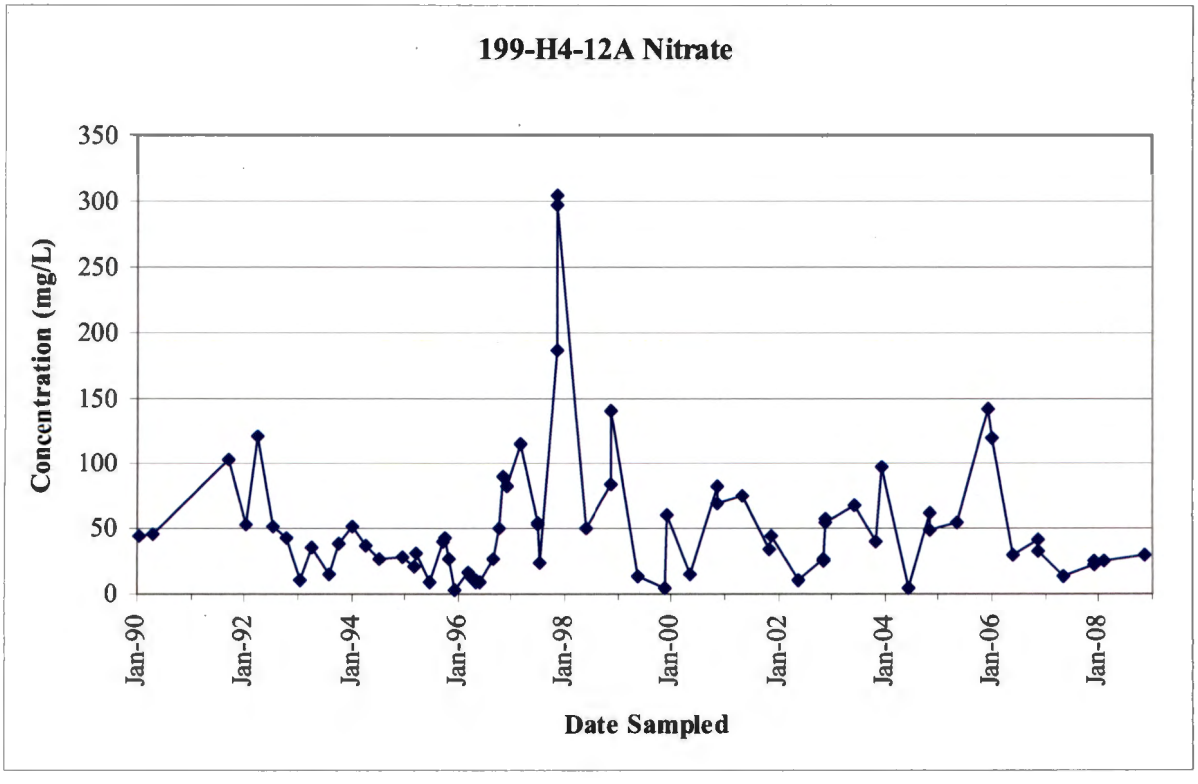
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

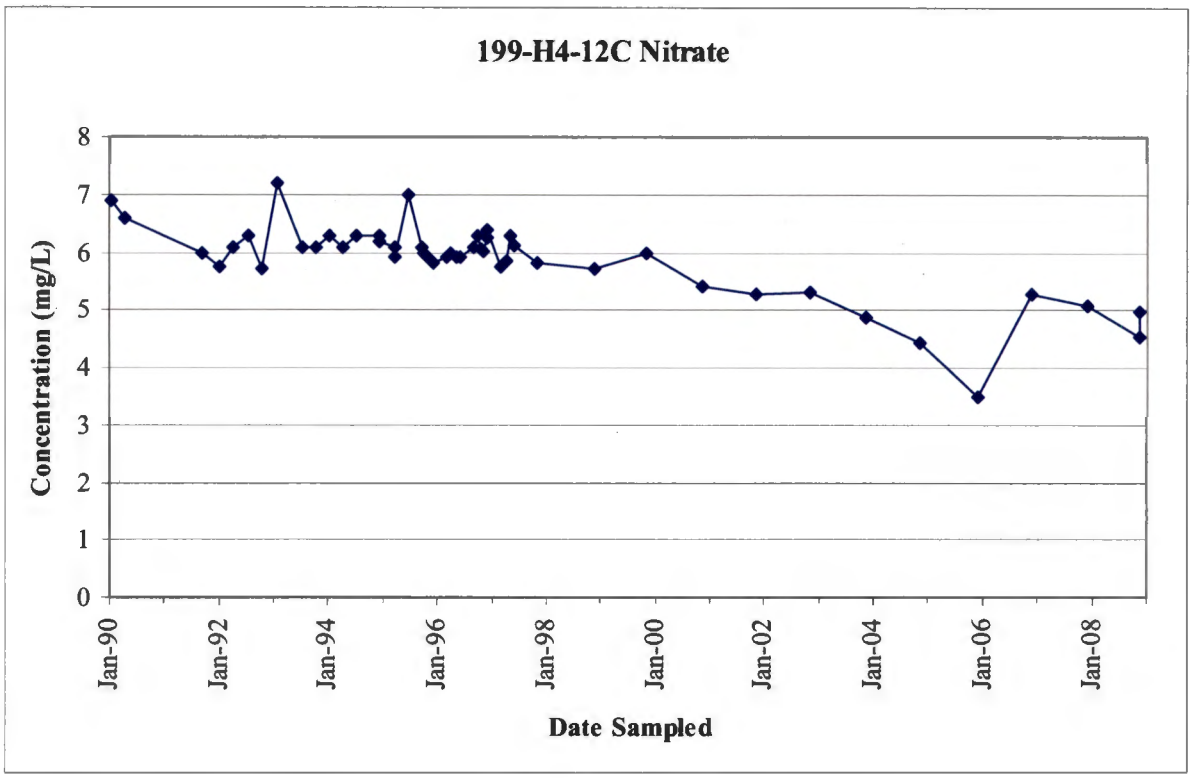

199-H3-2A Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

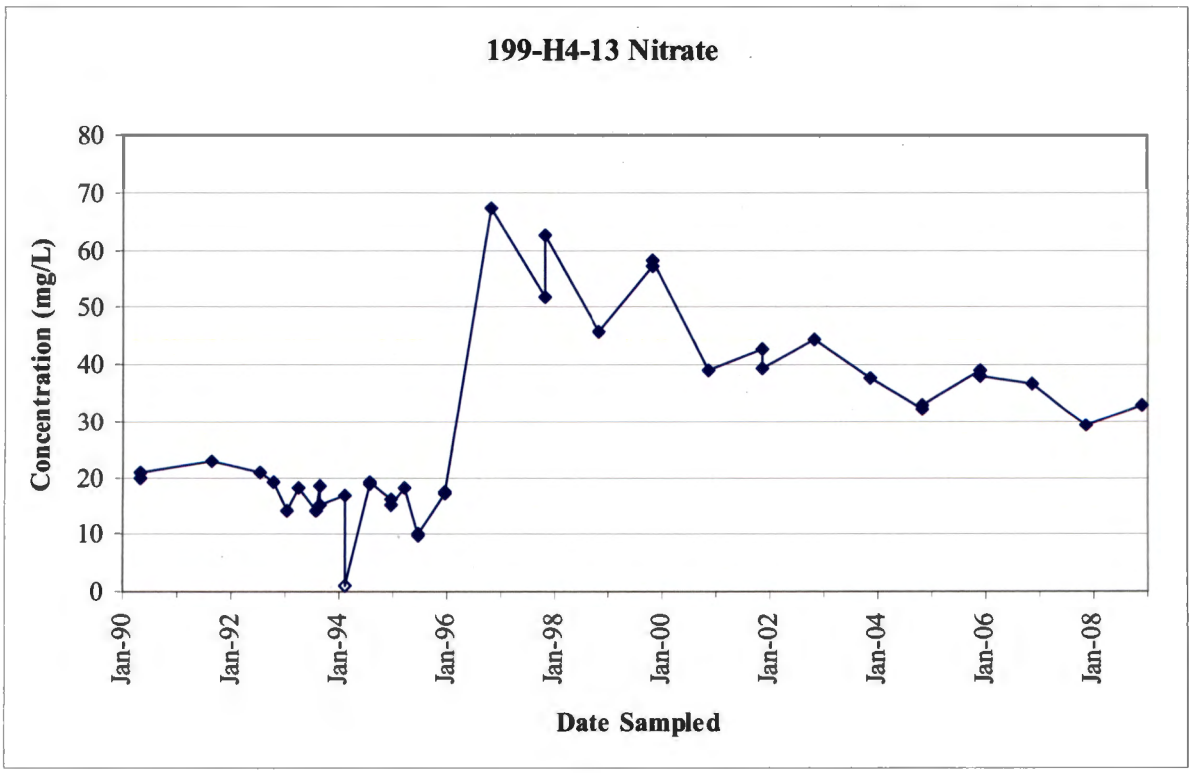

199-H3-2C Nitrate
Concentration (mg/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

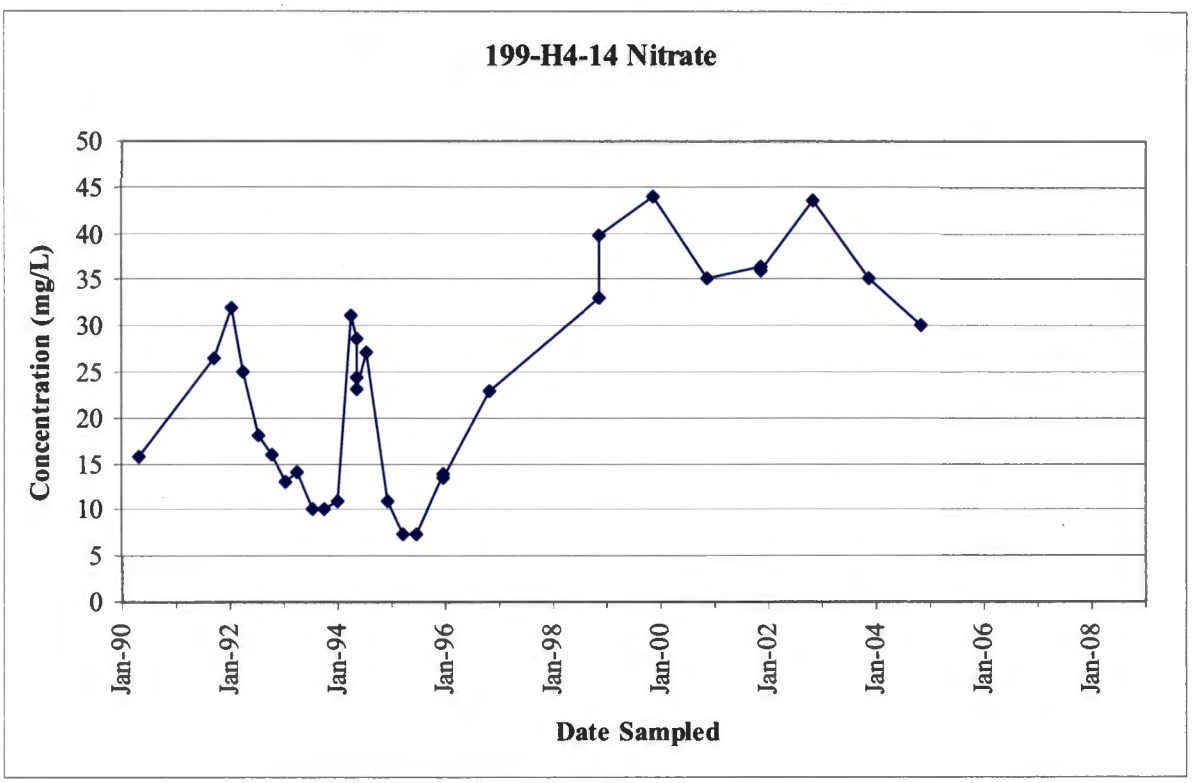

199-H4-10 Nitrate
Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

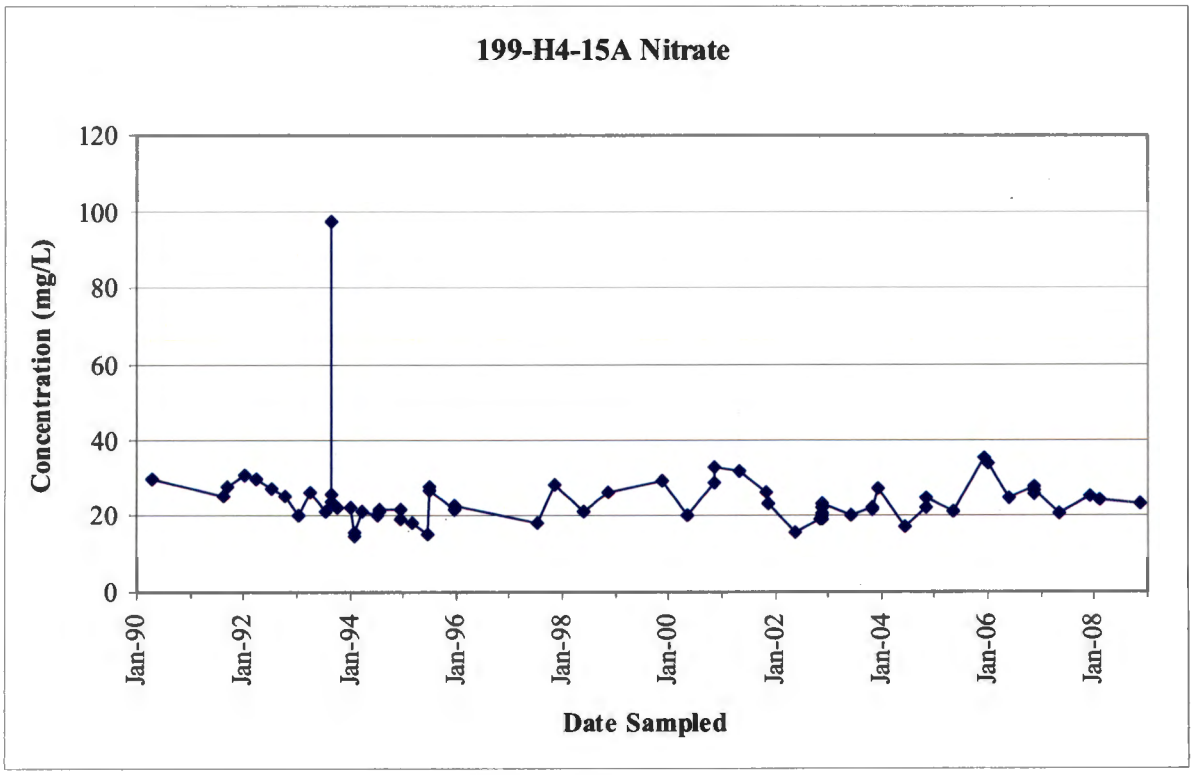

199-H4-11 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

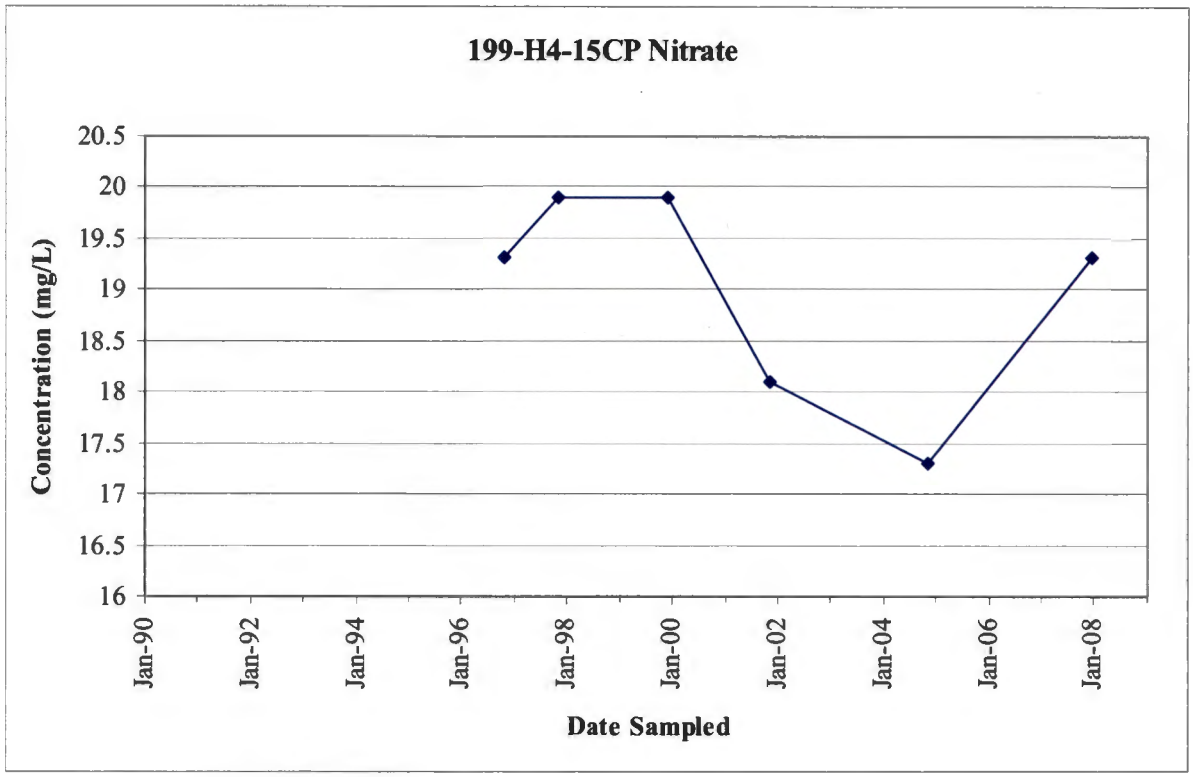

199-H4-12A Nitrate
Concentration (mg/L)
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

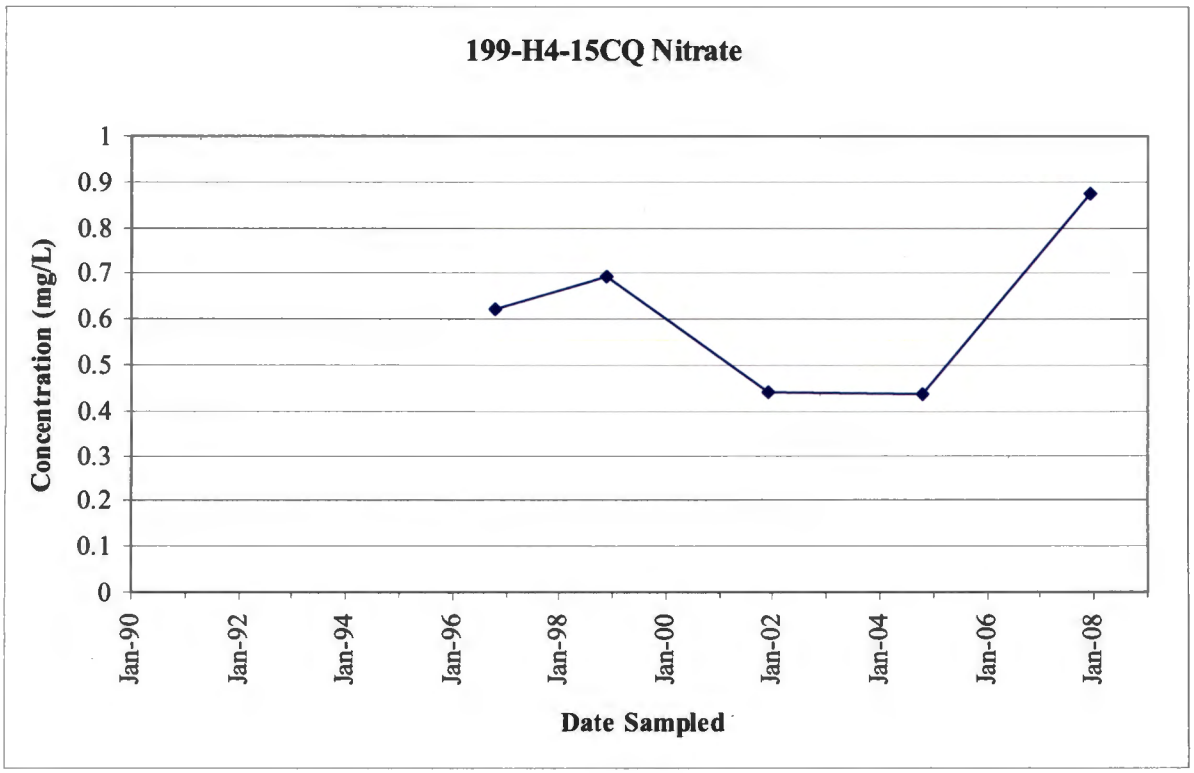

199-H4-12C Nitrate
Concentration (mg/L)
0
1
2
3
4
5
6
7
8
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-13 Nitrate
Concentration (mg/L)
0
10
20
30
40
50
60
70
80
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-14 Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-15A Nitrate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-15CP Nitrate
Concentration (mg/L)
20.5
20
19.5
19
18.5
18
17.5
17
16.5
16
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-15CQ Nitrate
Concentration (mg/L)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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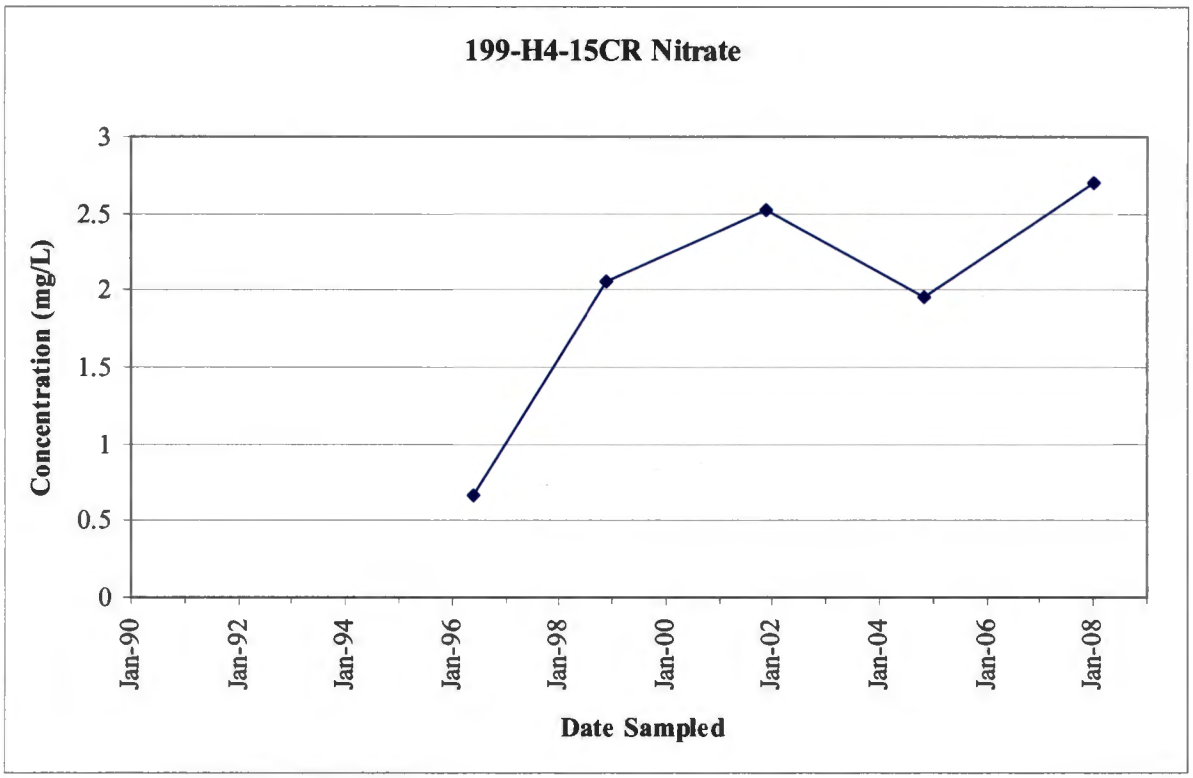
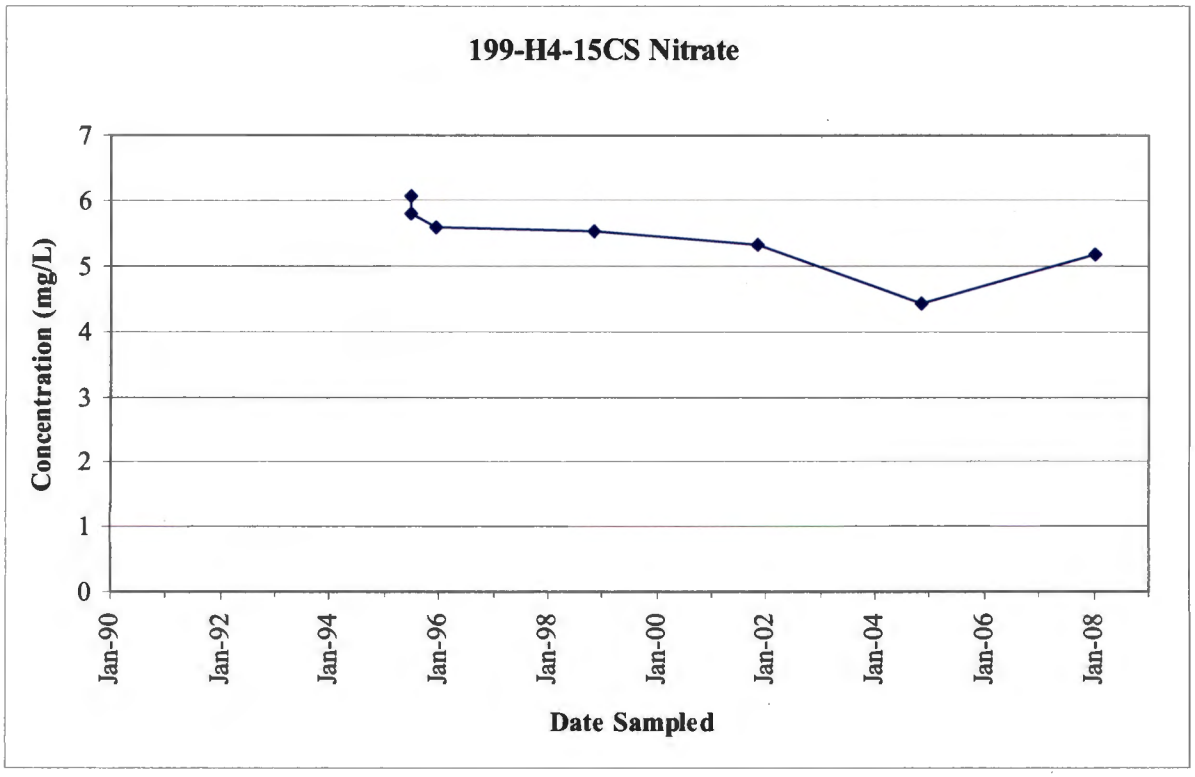
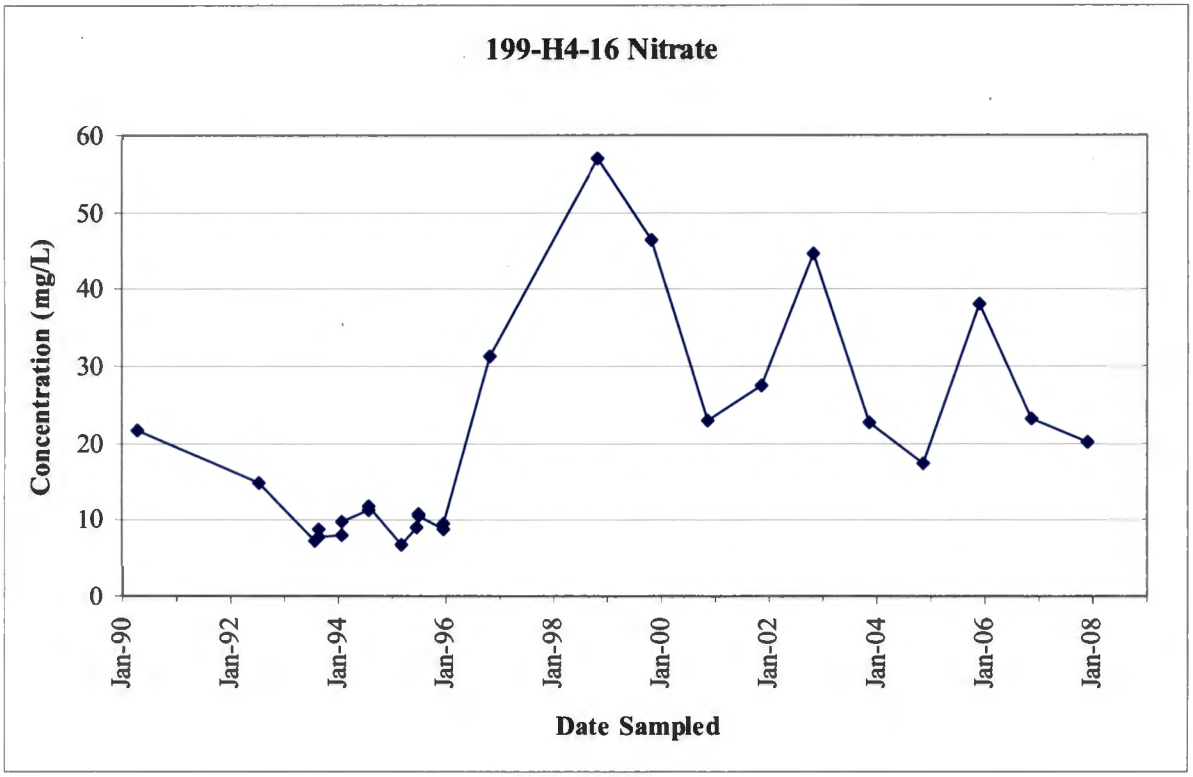
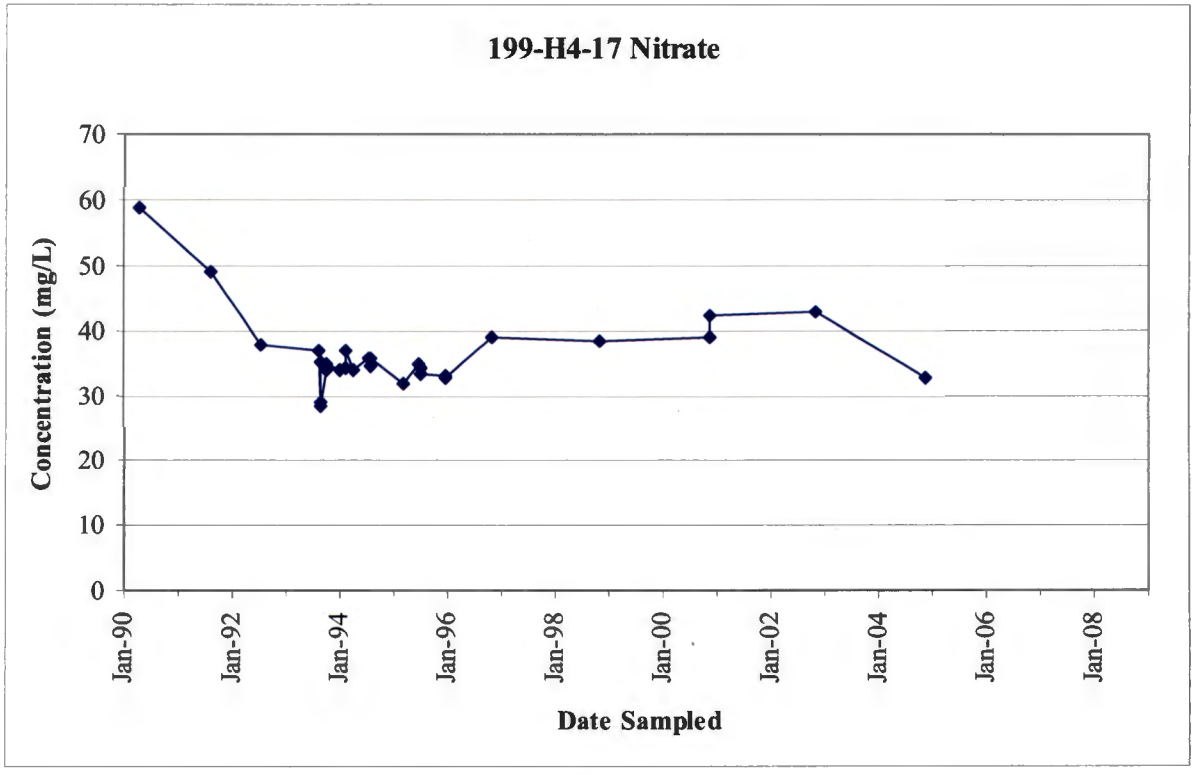
Jan-06
Jan-08
Date Sampled


199-H4-15CR Nitrate
Concentration (mg/L)
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-15CS Nitrate
Concentration (mg/L)
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-16 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-17 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
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Jan-00
Jan-02
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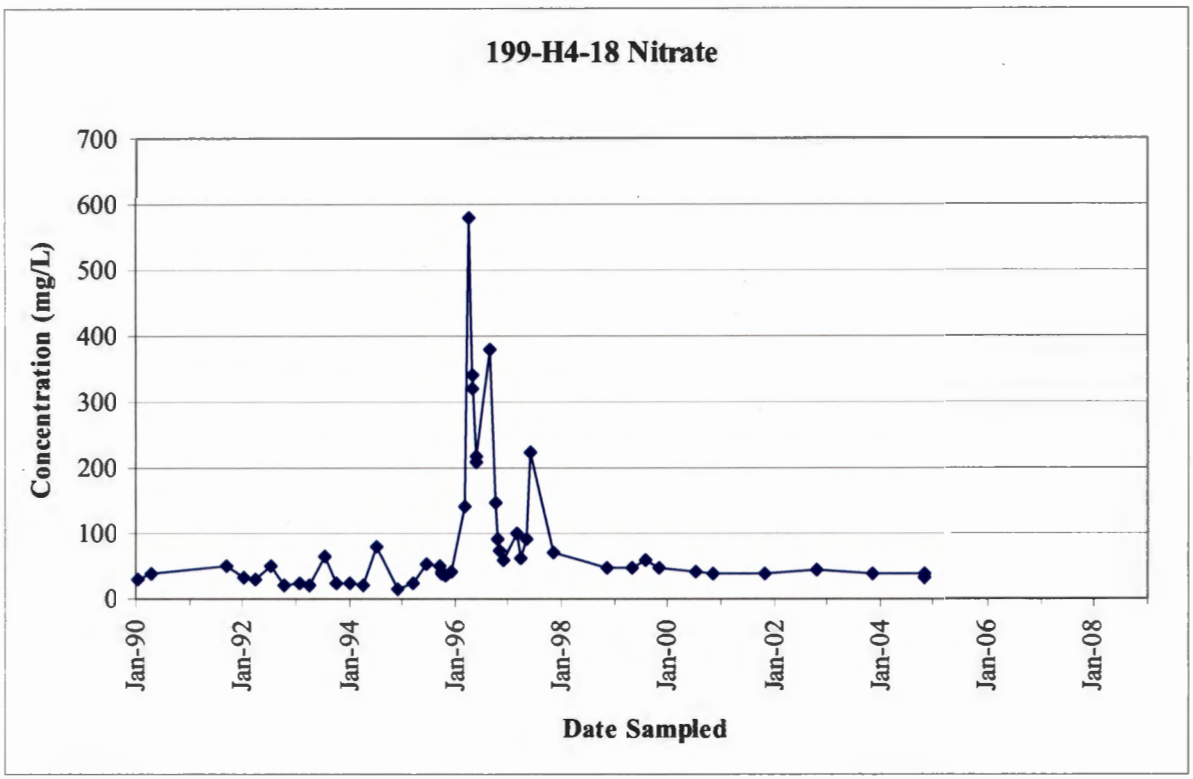
Jan-08
Date Sampled


199-H4-18 Nitrate
Concentration (mg/L)
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
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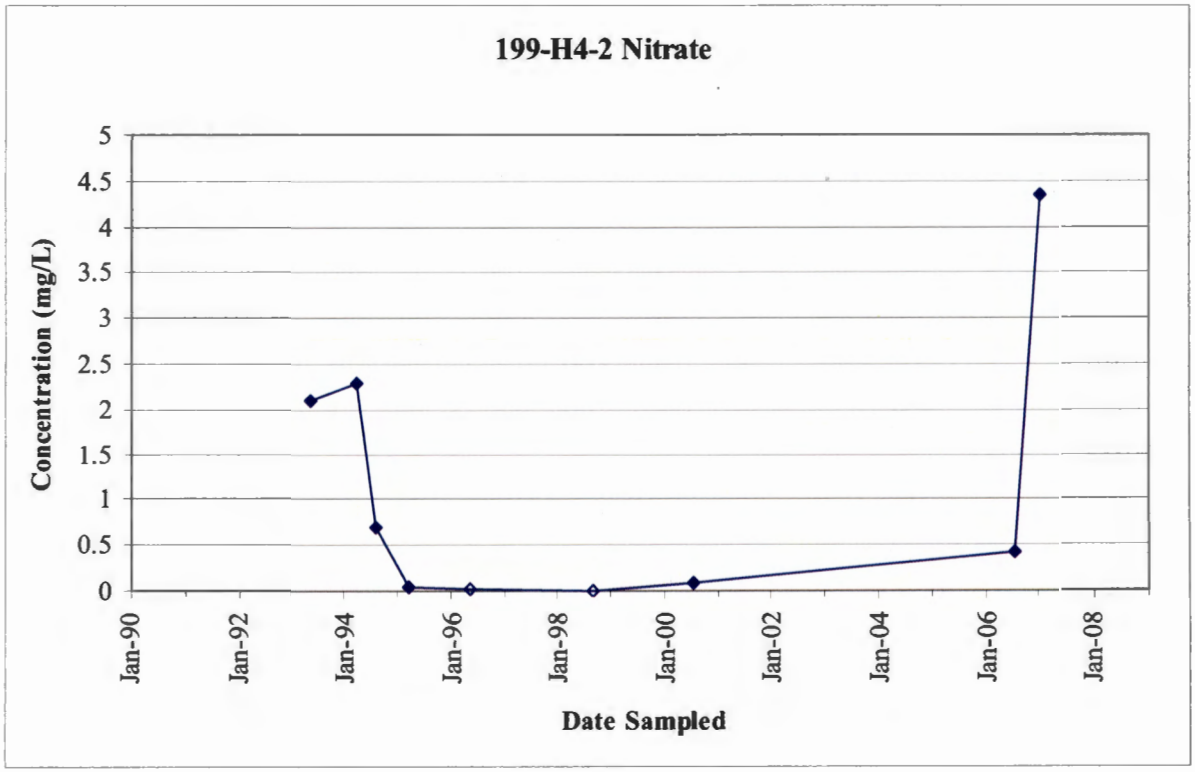
Date Sampled


199-H4-2 Nitrate
Concentration (mg/L)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
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Jan-98
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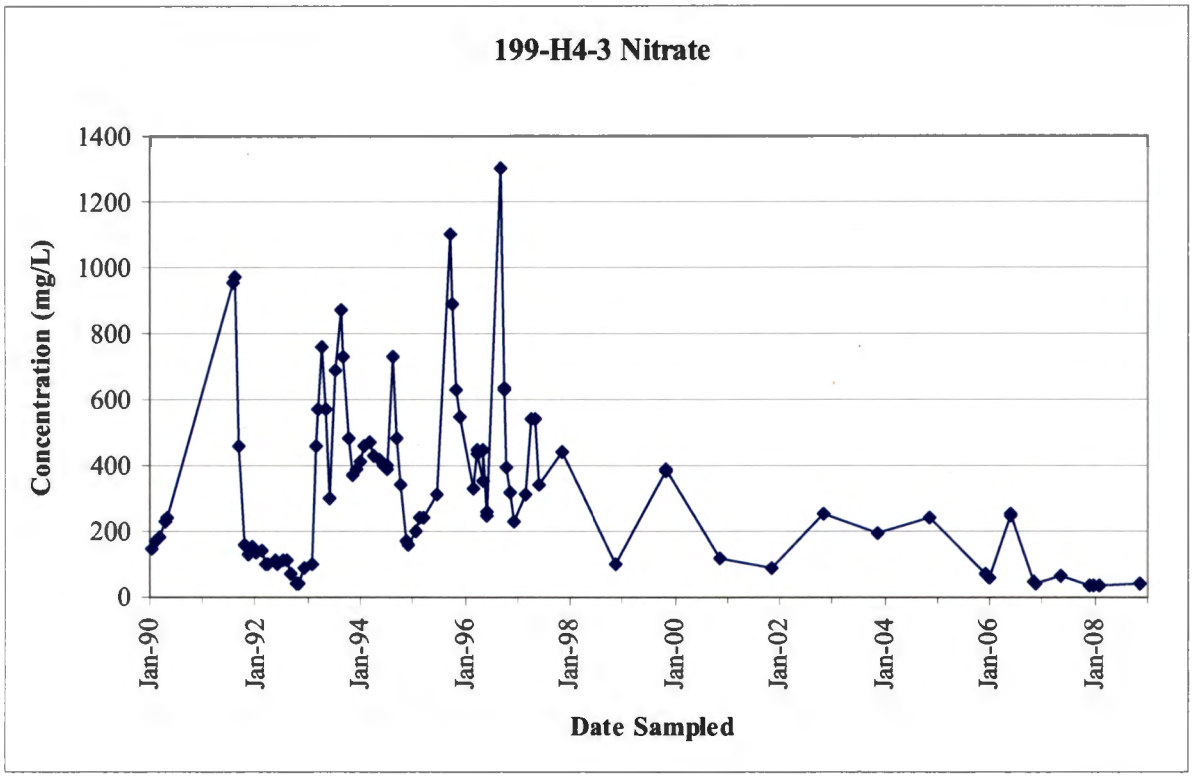
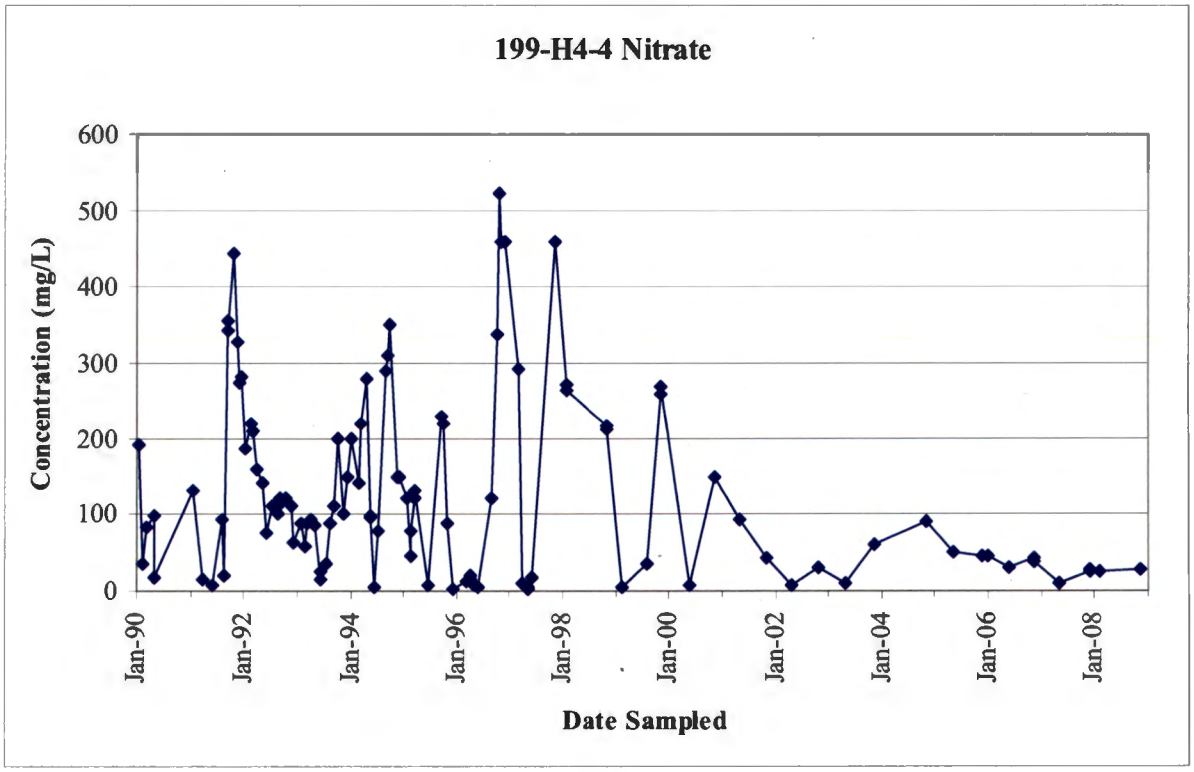
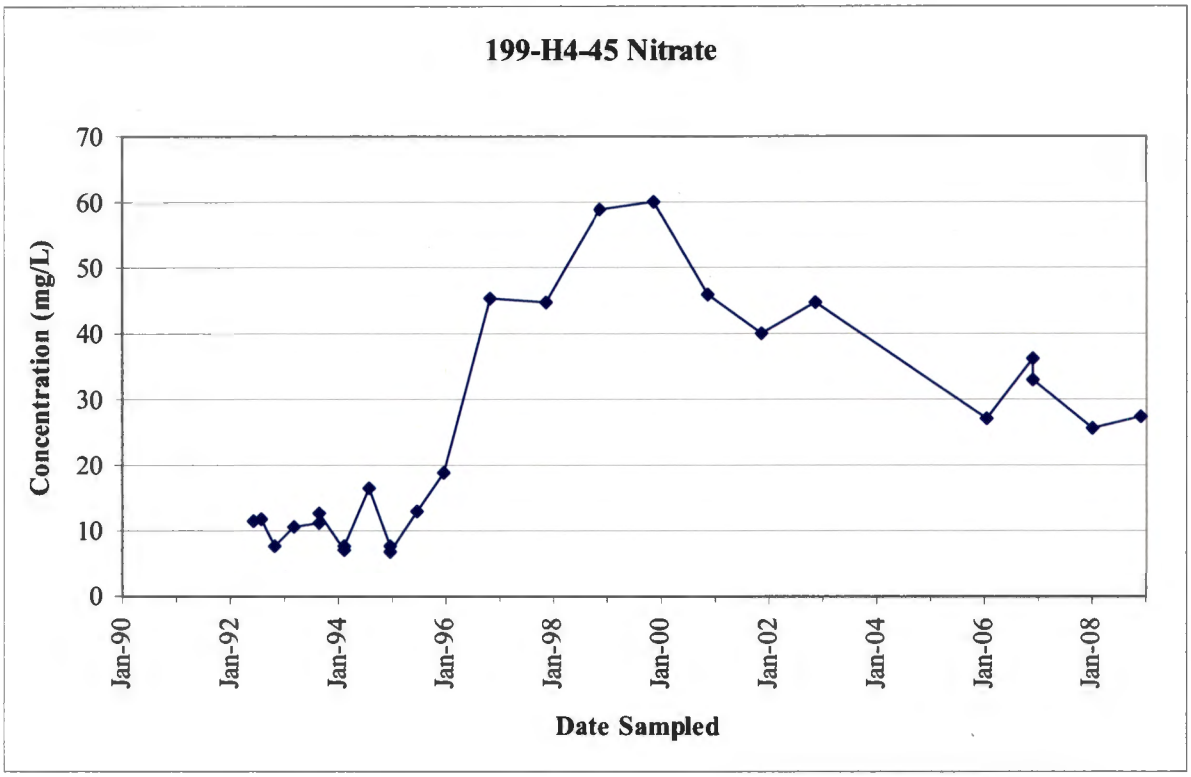
Jan-06
Jan-08
Date Sampled


199-H4-3 Nitrate
Concentration (mg/L)
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-4 Nitrate
Concentration (mg/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-45 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
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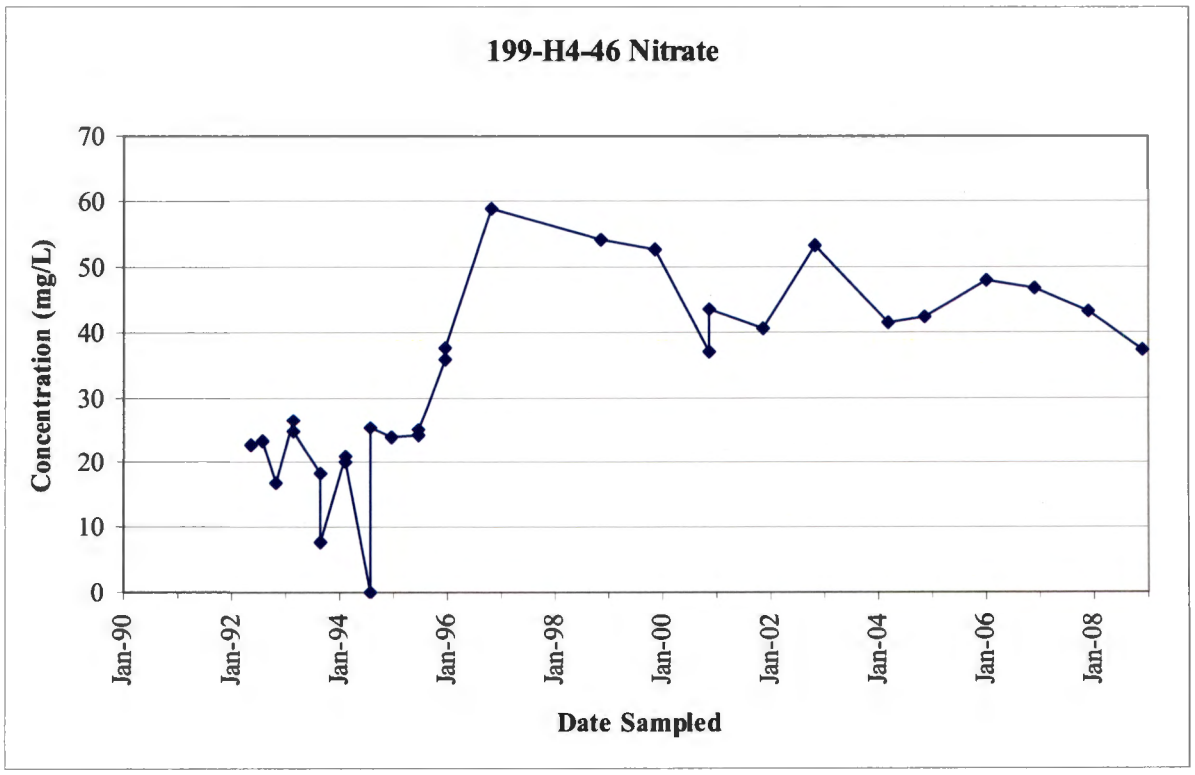
Date Sampled


199-H4-46 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
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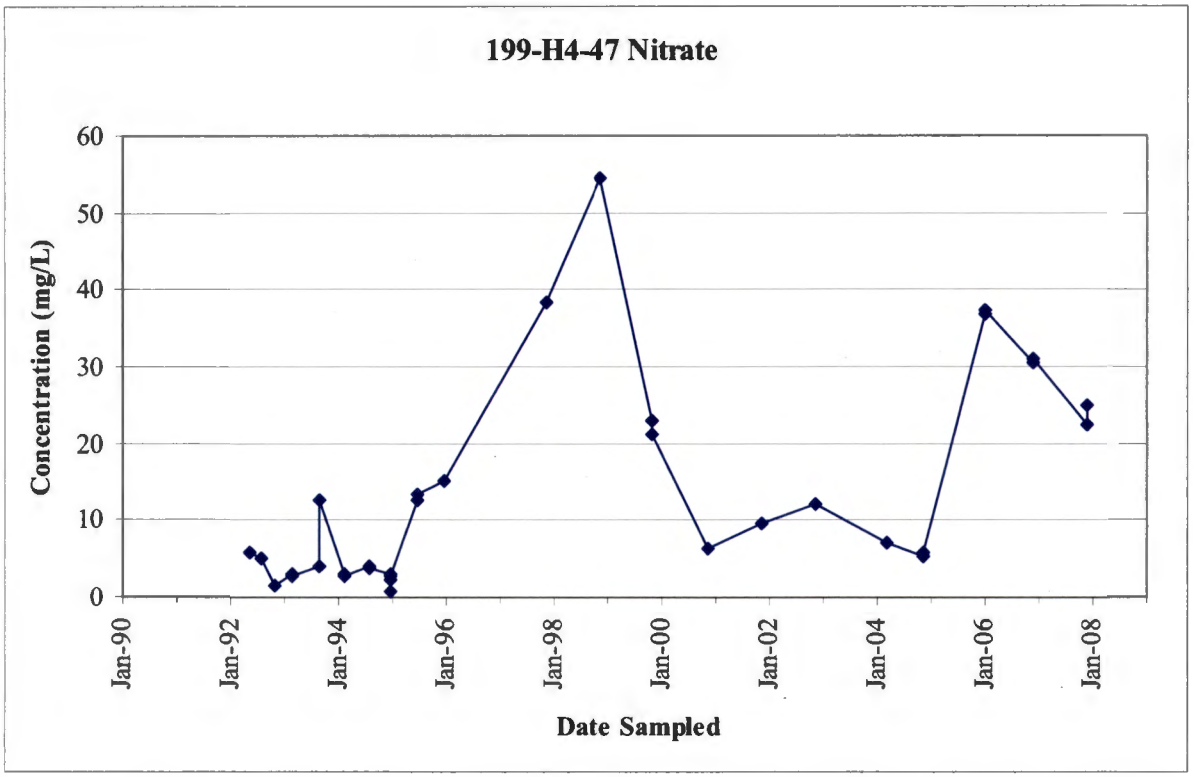
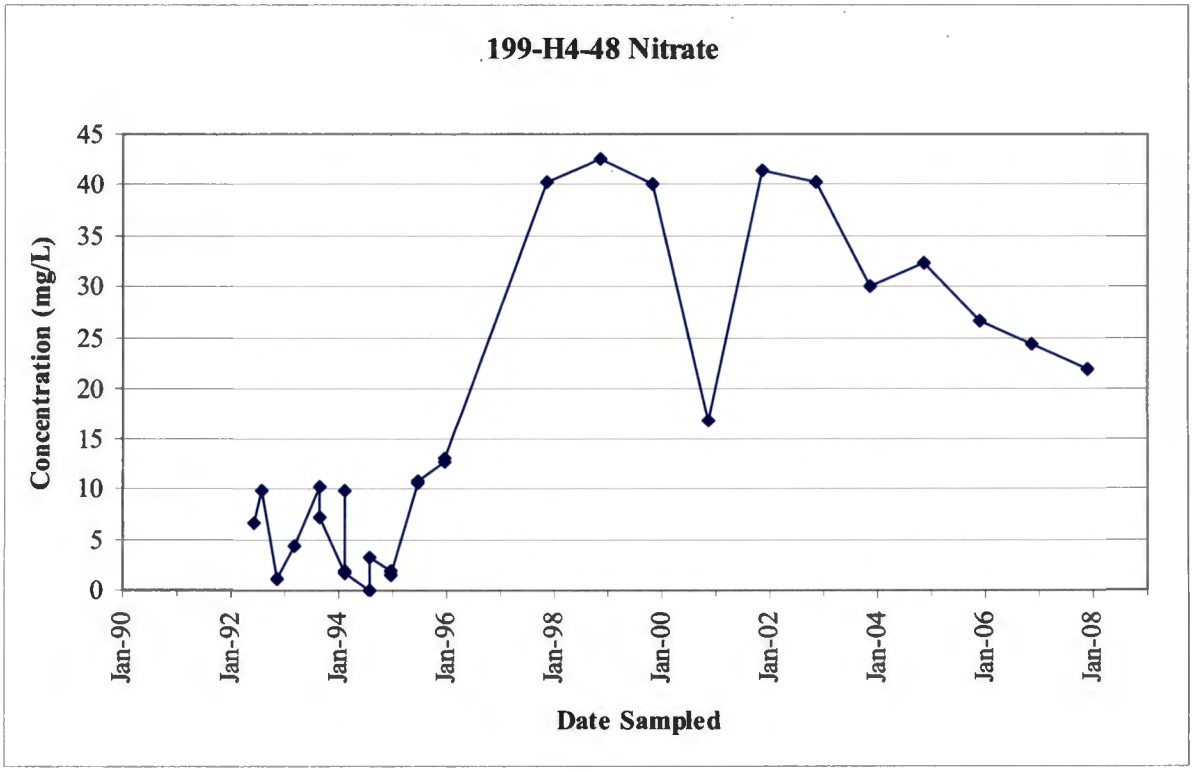
Jan-08
Date Sampled


199-H4-47 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-48 Nitrate
Concentration (mg/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
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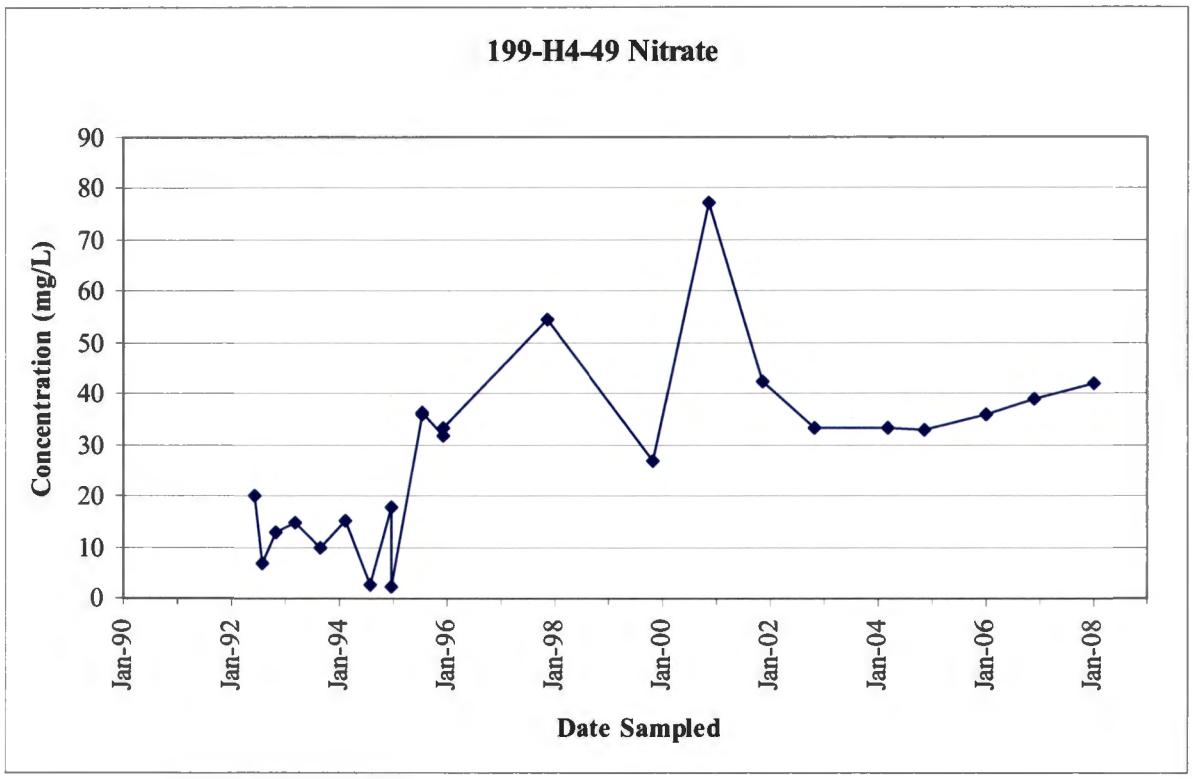
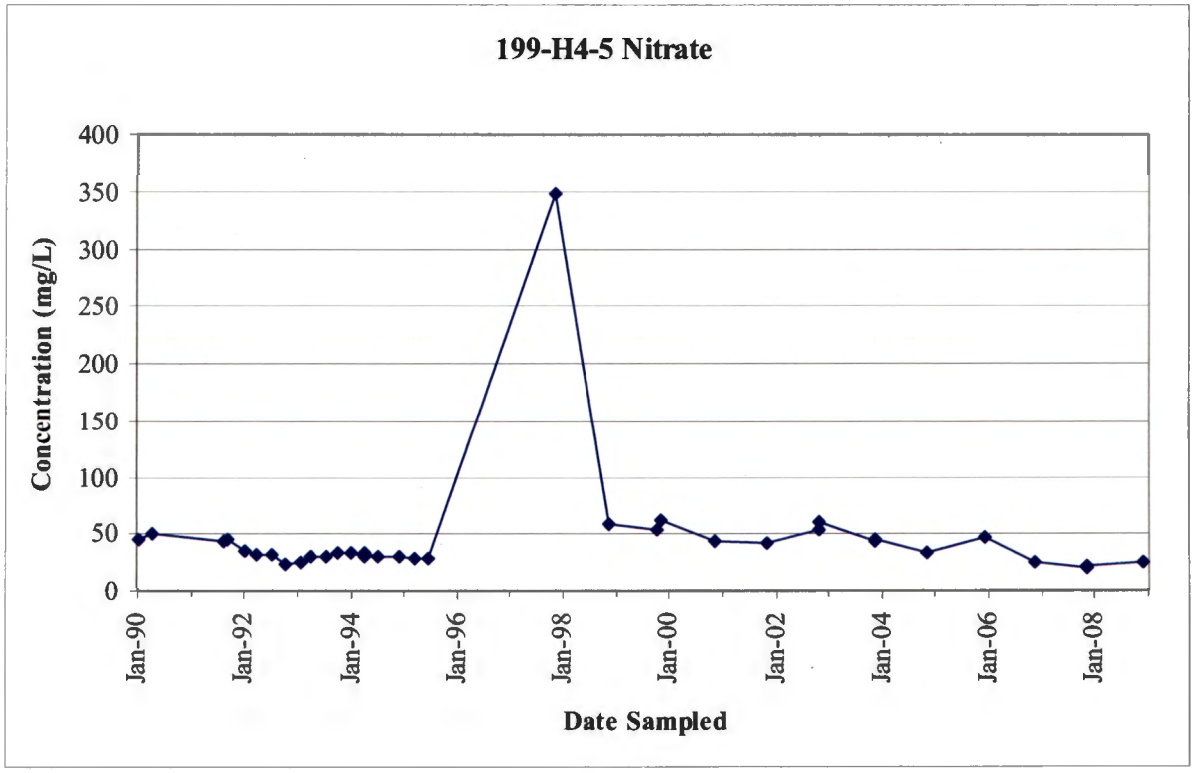
Jan-06
Jan-08
Date Sampled


199-H4-49 Nitrate
Concentration (mg/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-5 Nitrate
Concentration (mg/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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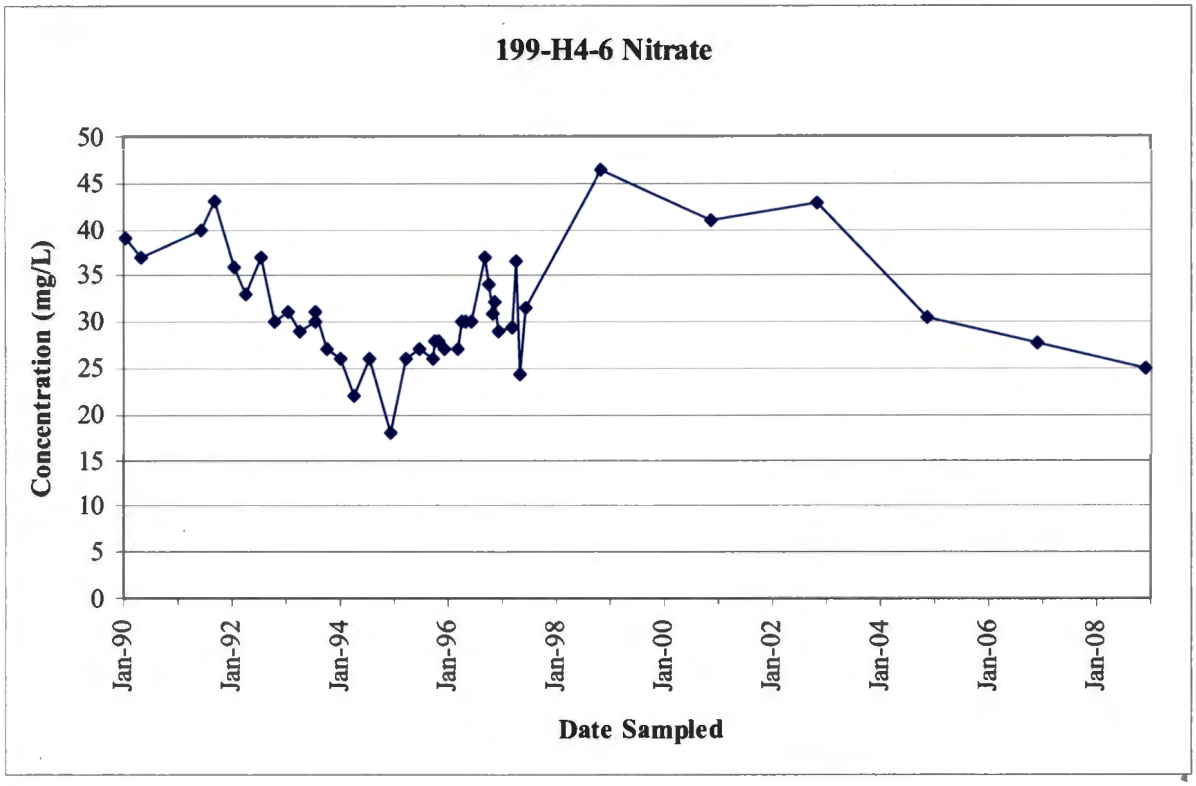
Jan-06
Jan-08
Date Sampled


199-H4-6 Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
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Jan-02
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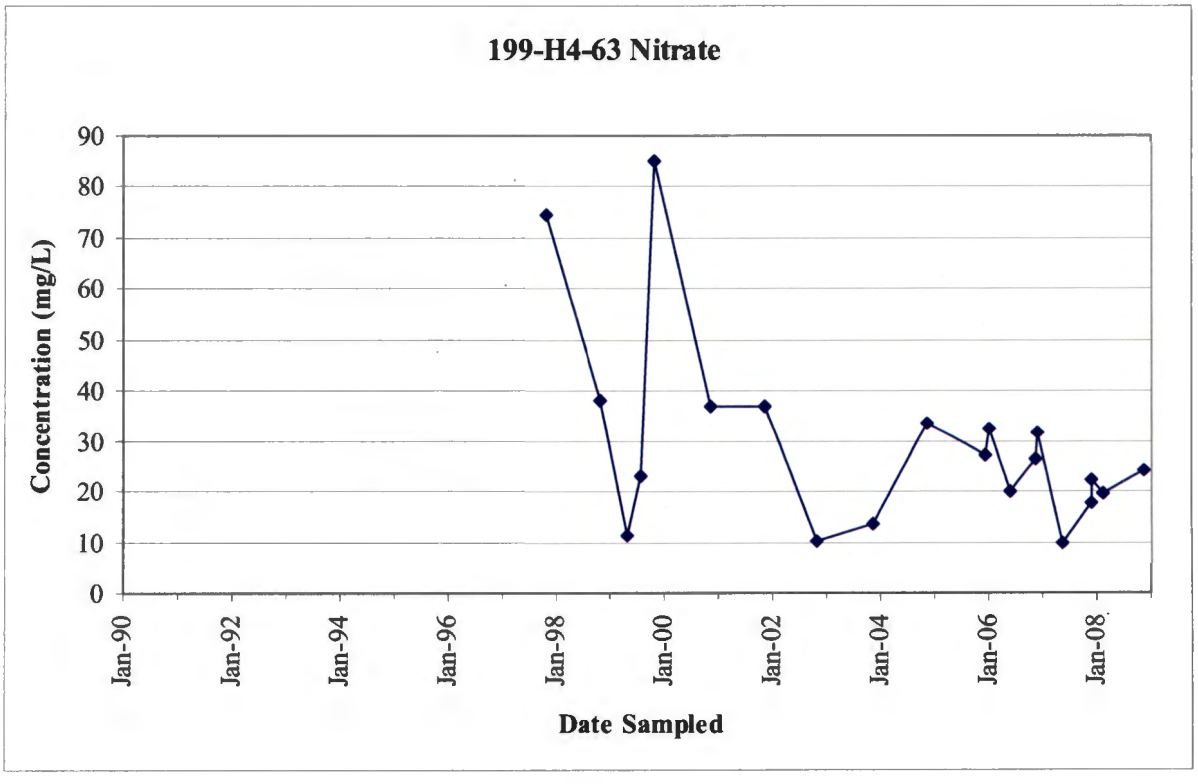
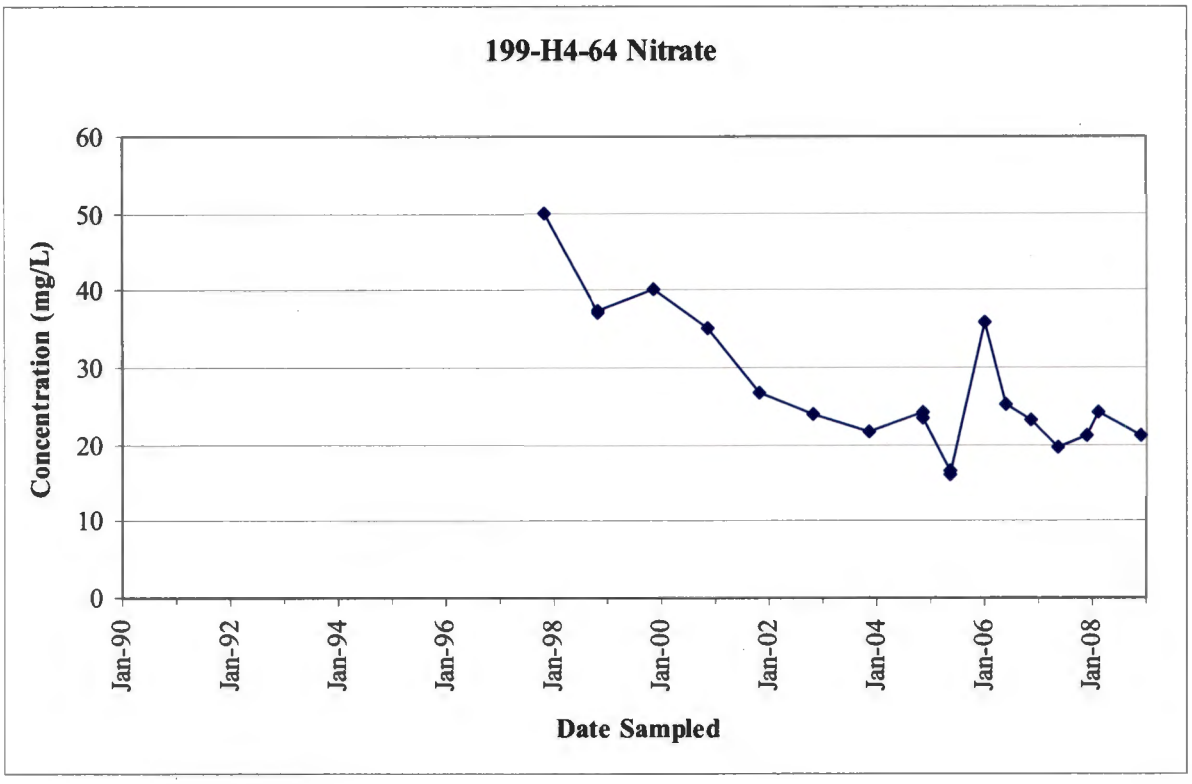
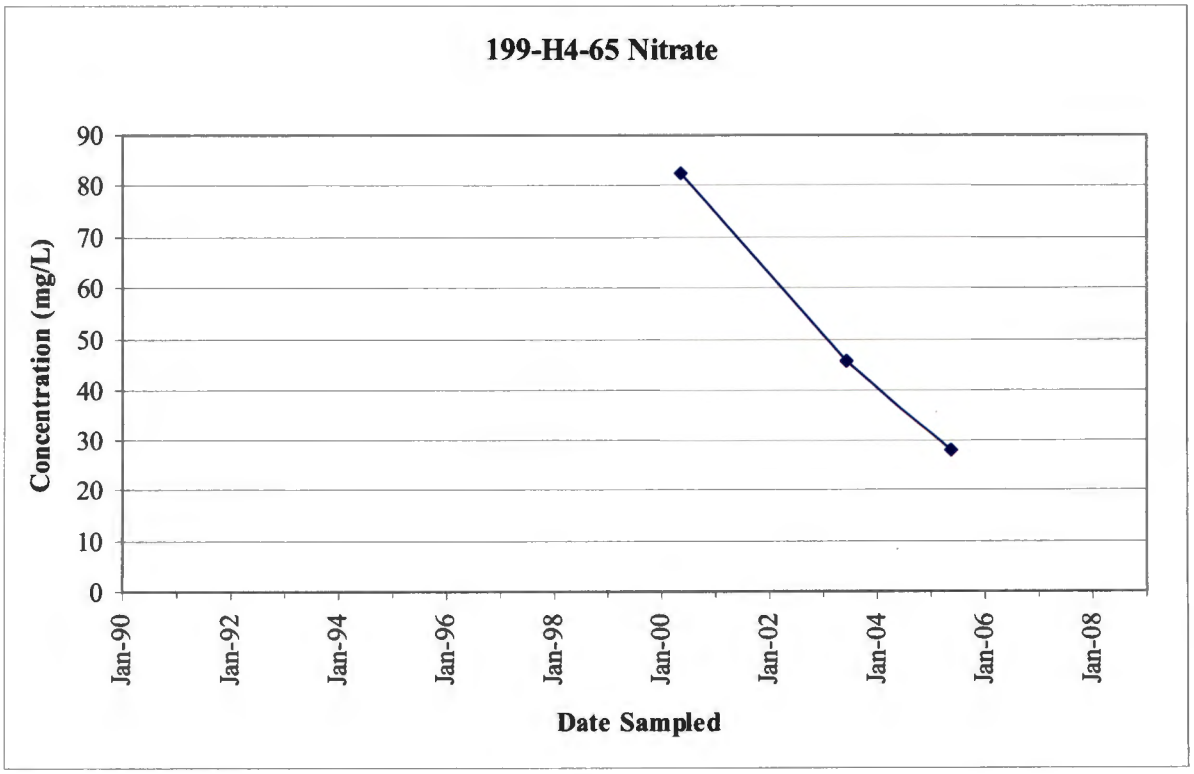
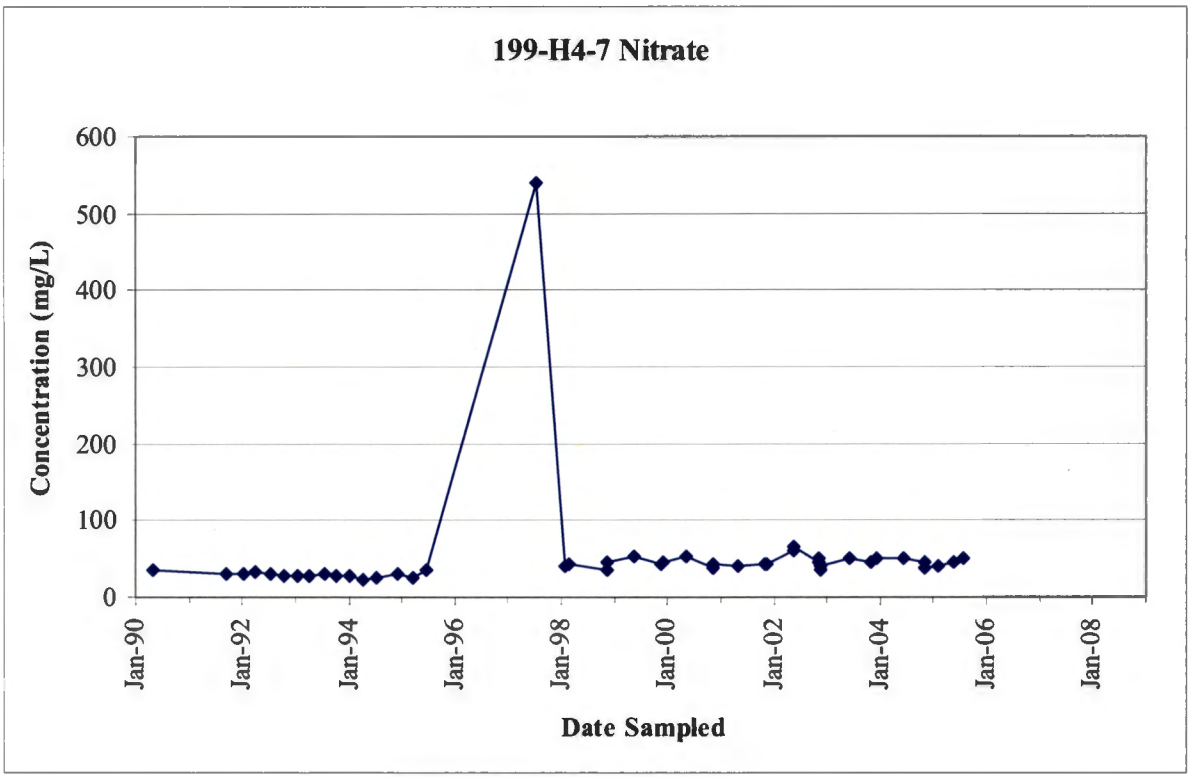
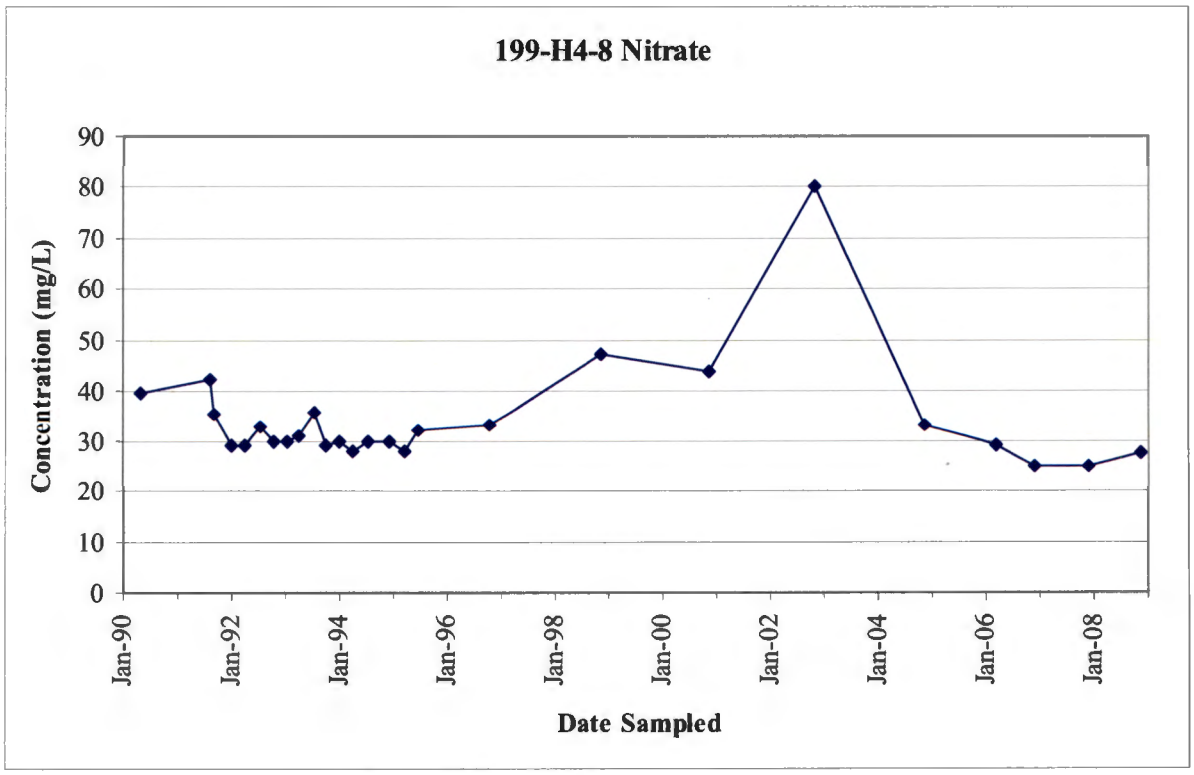
Jan-06
Jan-08
Date Sampled

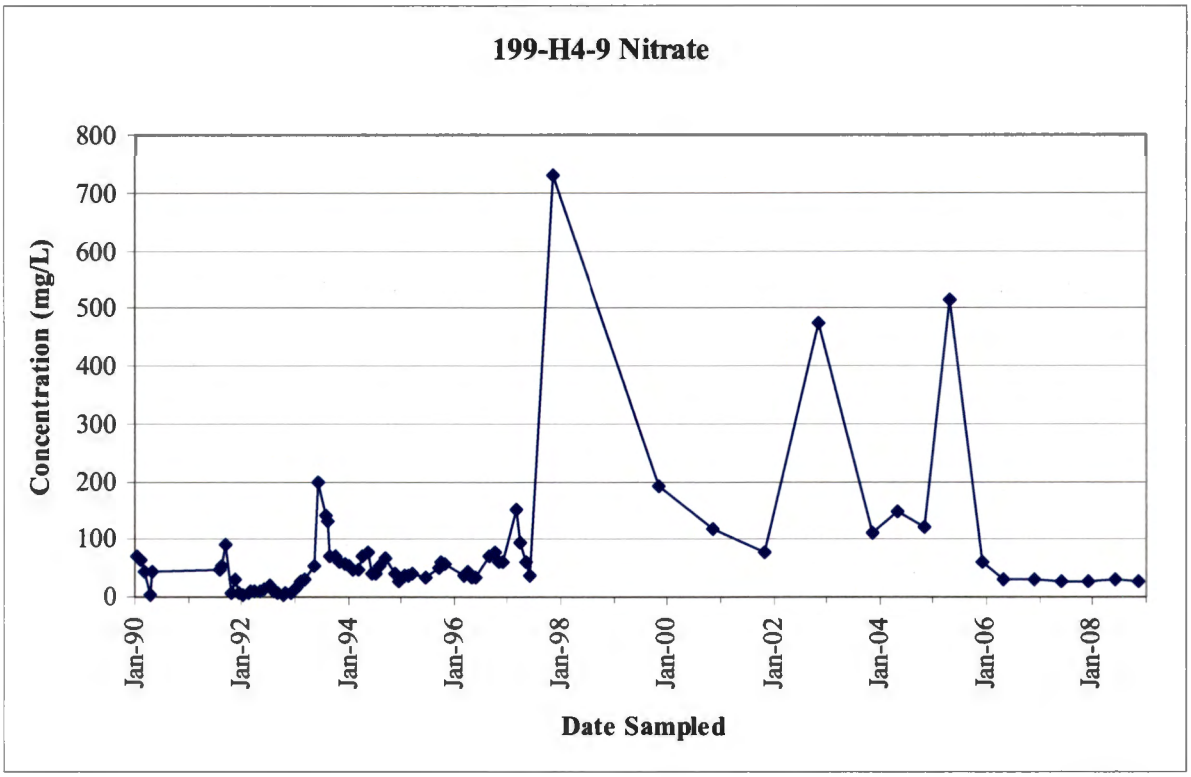

199-H4-63 Nitrate
Concentration (mg/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

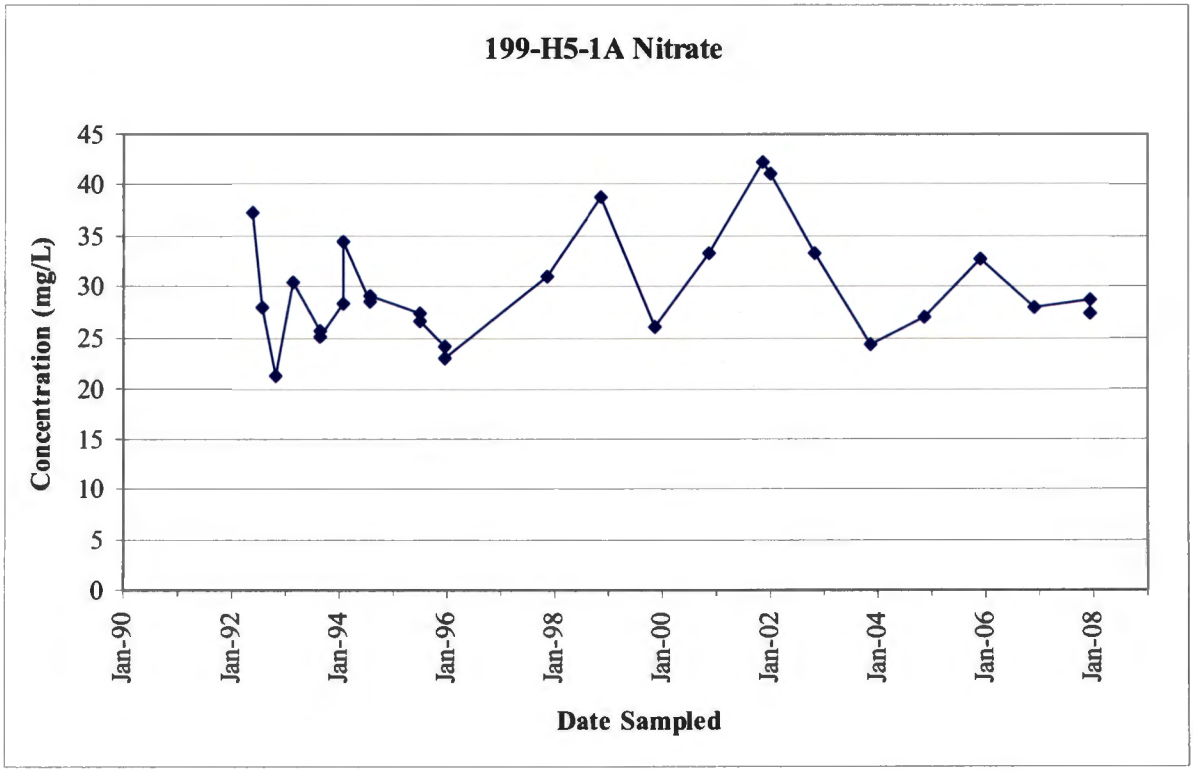

199-H4-64 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

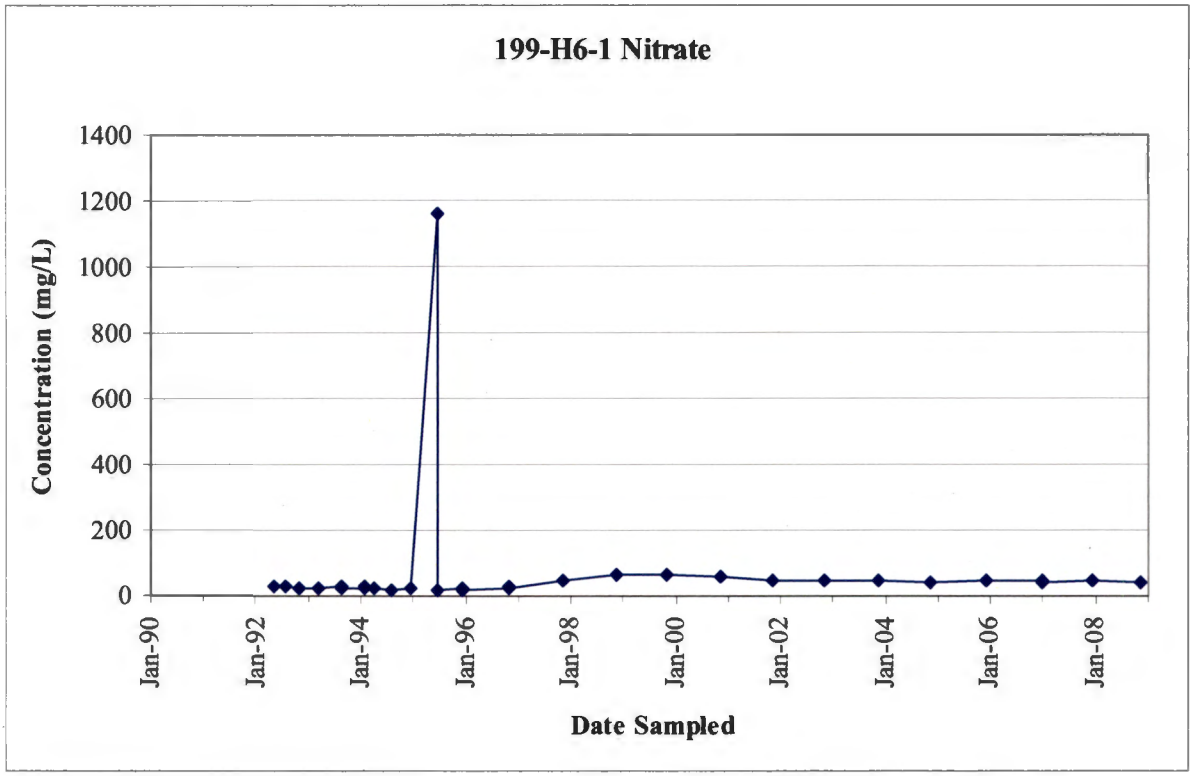

199-H4-65 Nitrate
Concentration (mg/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

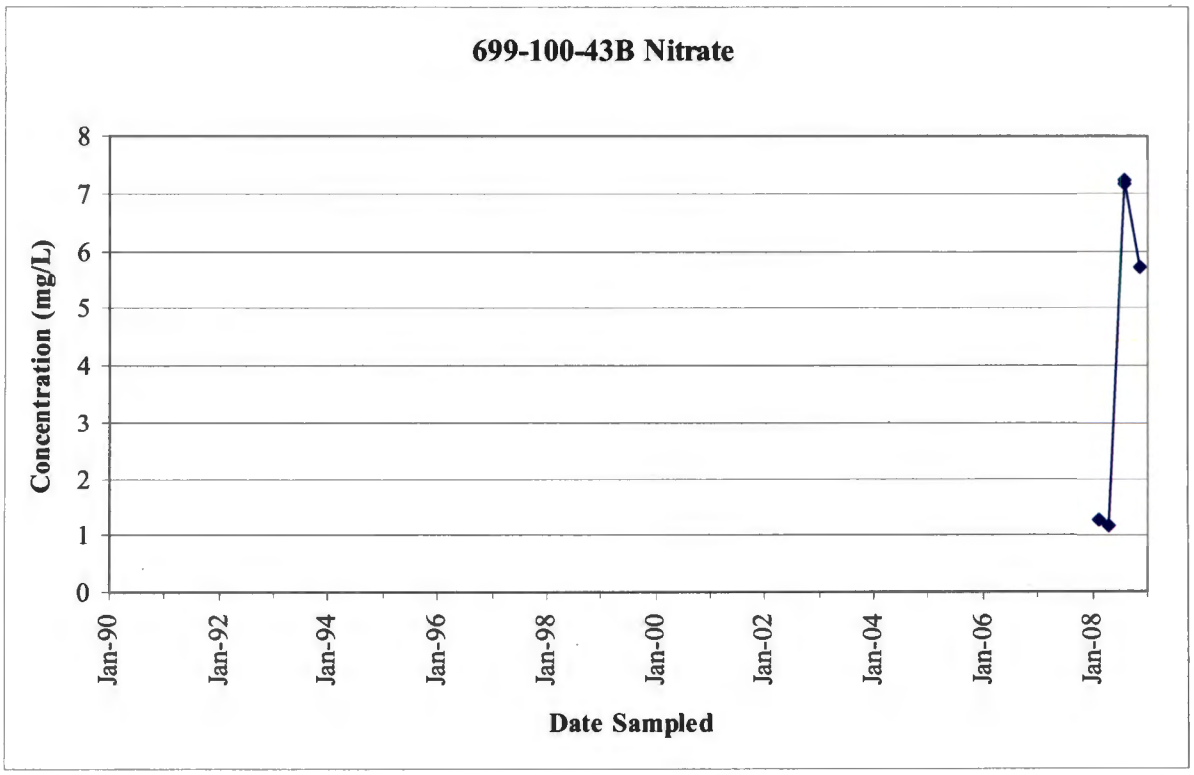

199-H4-7 Nitrate
Concentration (mg/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

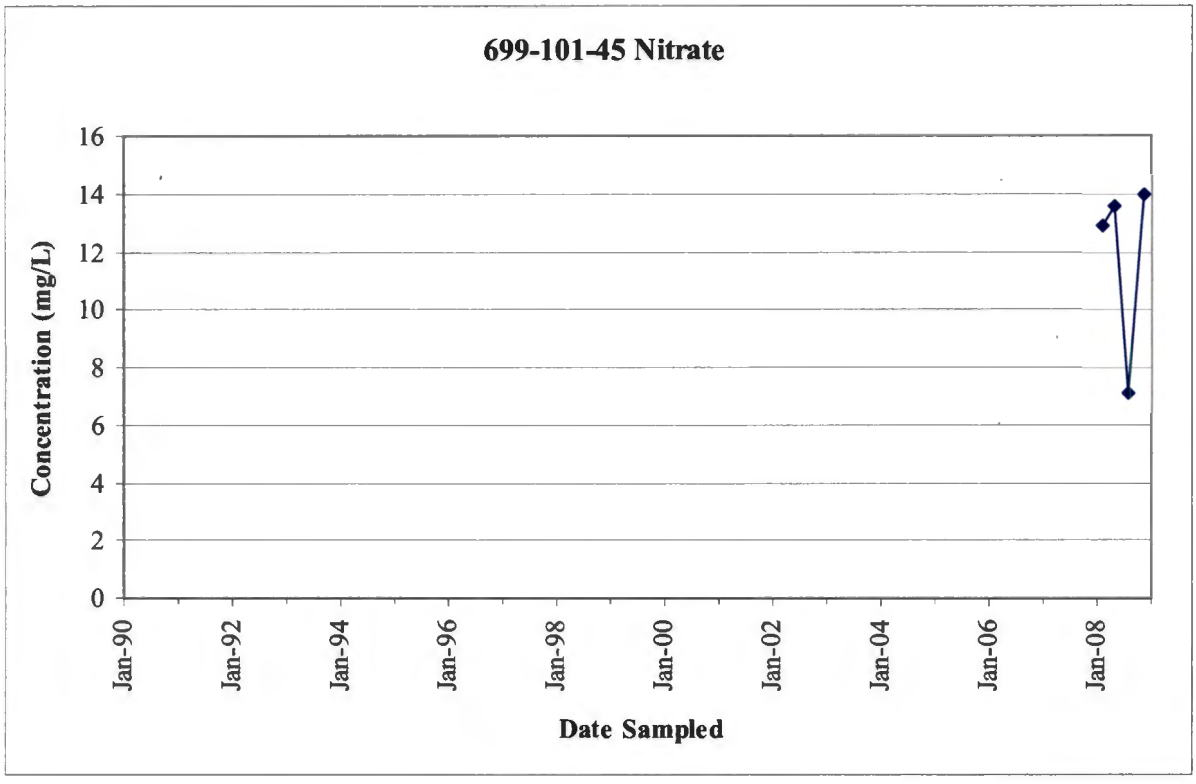

199-H4-8 Nitrate
Concentration (mg/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

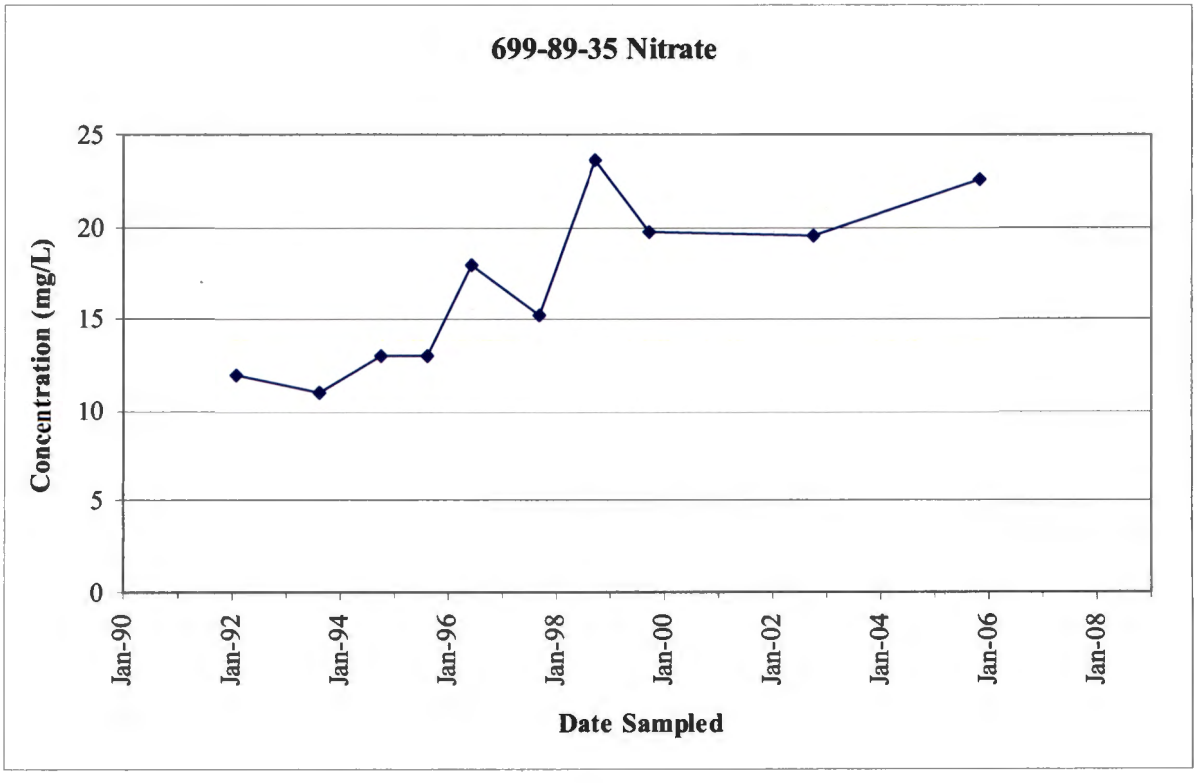

199-H4-9 Nitrate
Concentration (mg/L)
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

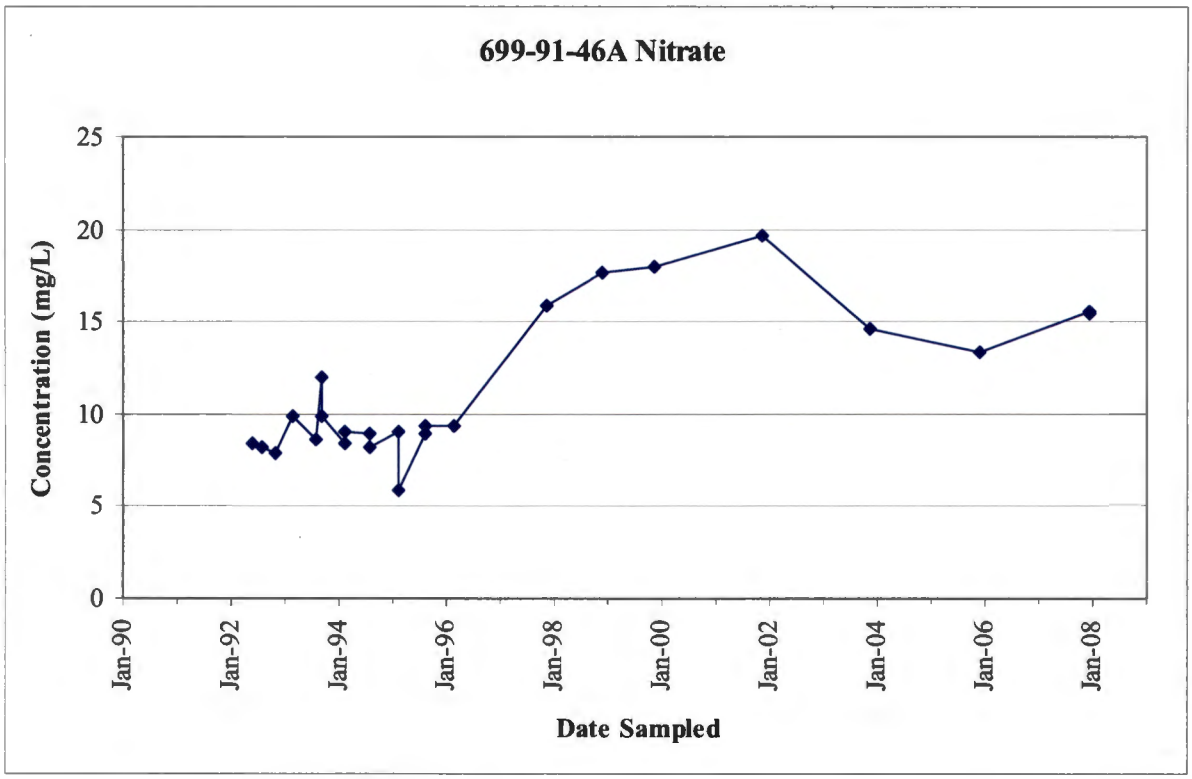

199-H5-1A Nitrate
Concentration (mg/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

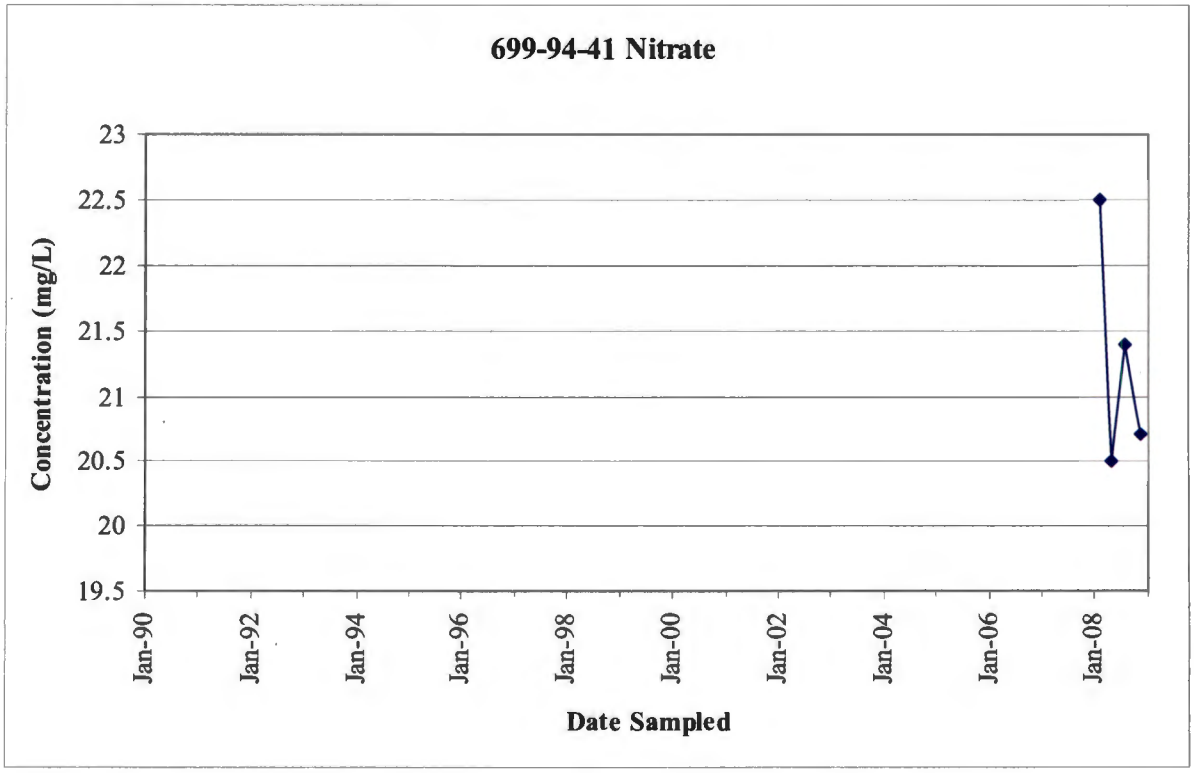

199-H6-1 Nitrate
Concentration (mg/L)
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

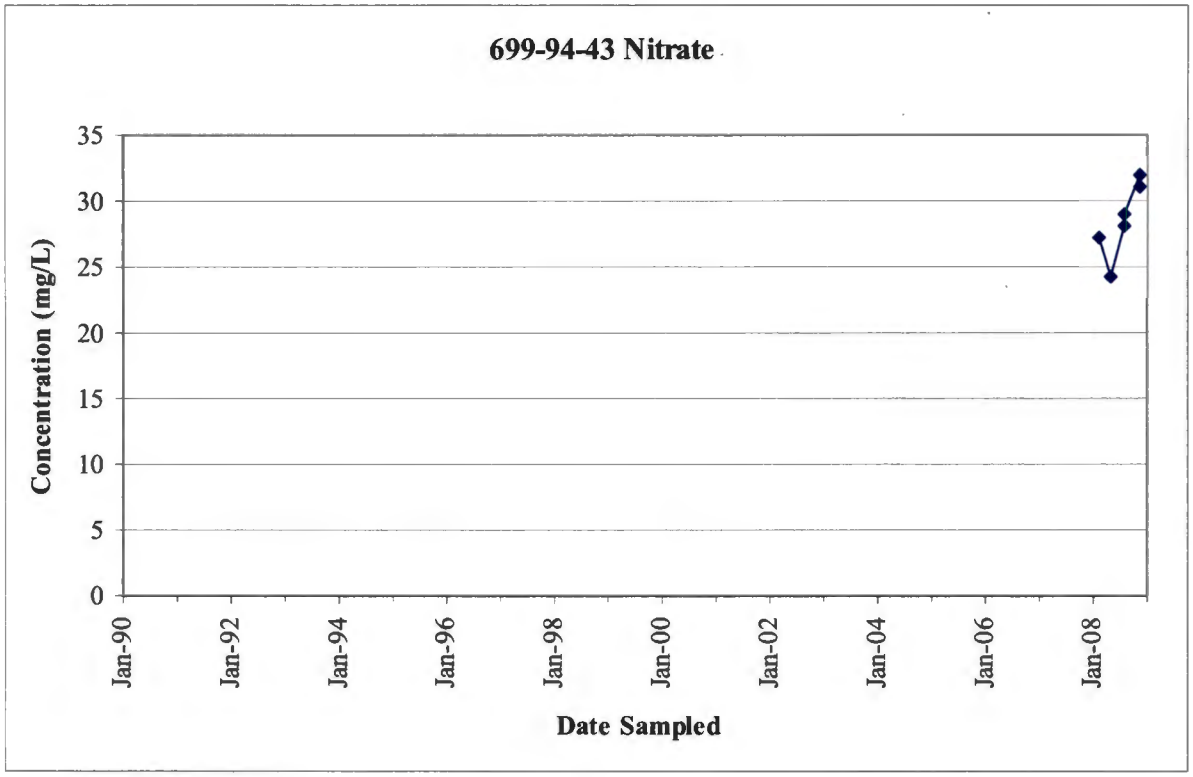

699-100-43B Nitrate
Concentration (mg/L)
8
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

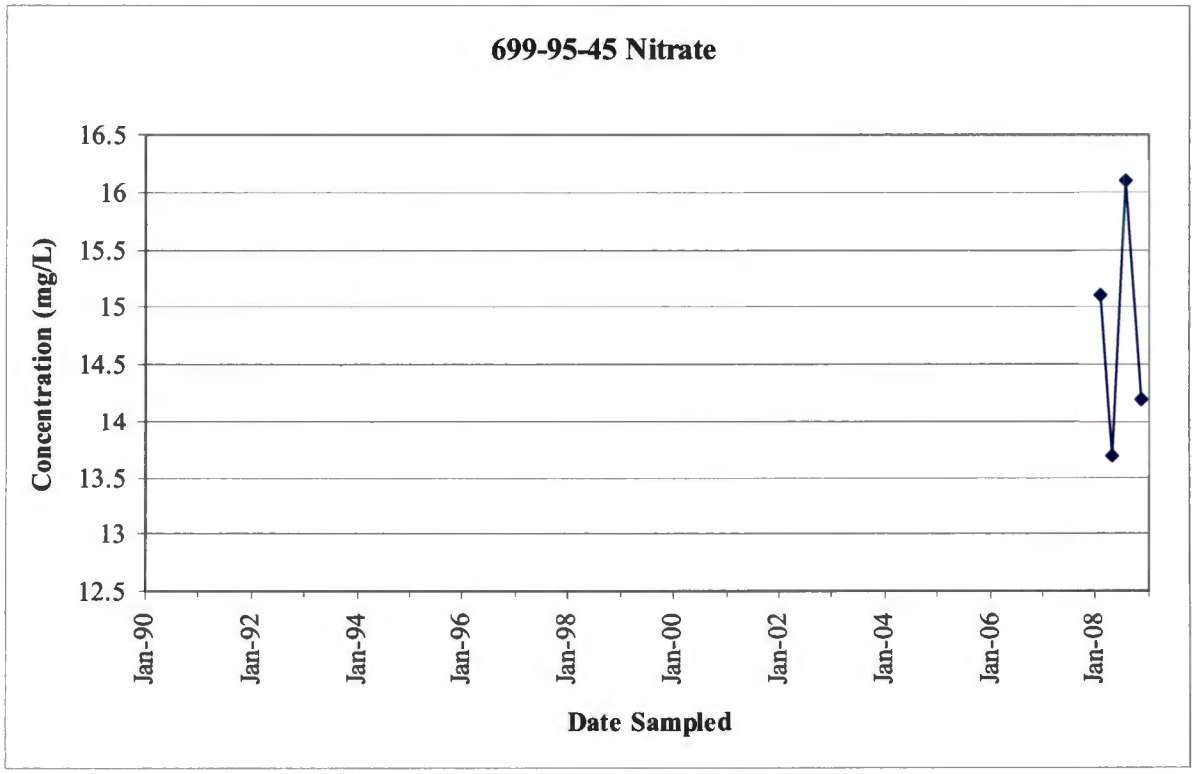

699-101-45 Nitrate
Concentration (mg/L)
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

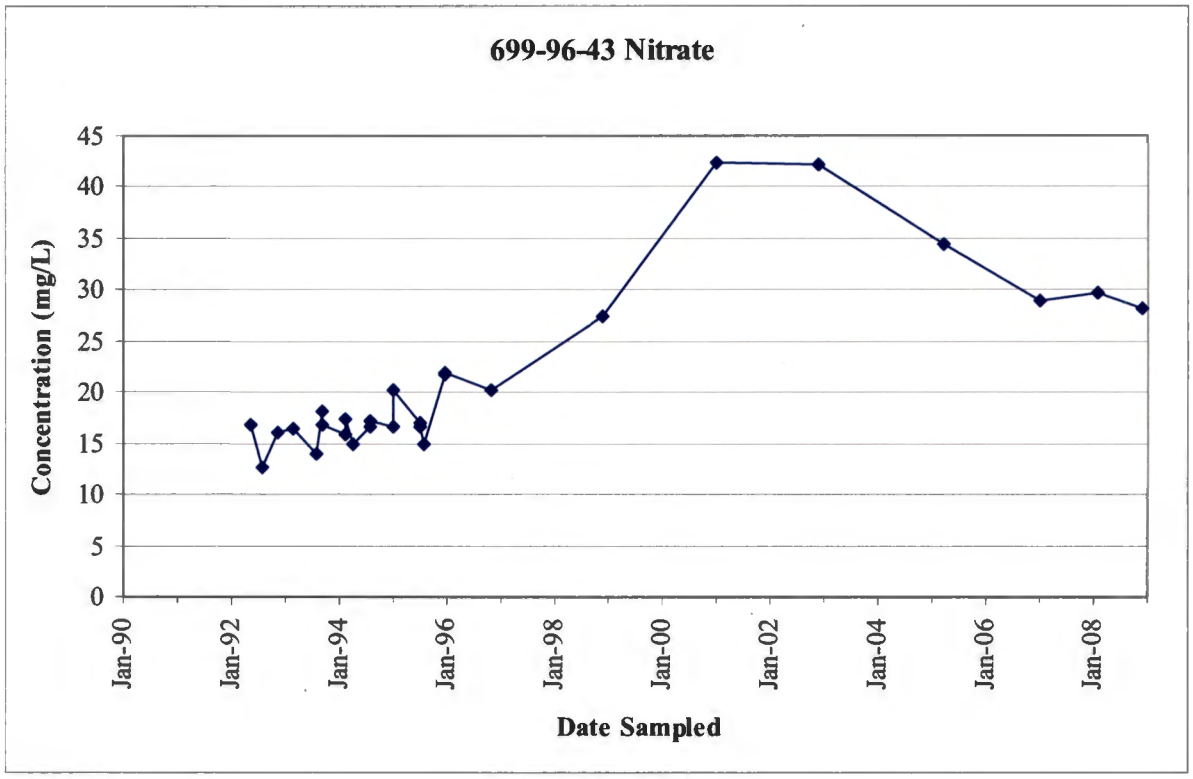

699-89-35 Nitrate
Concentration (mg/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

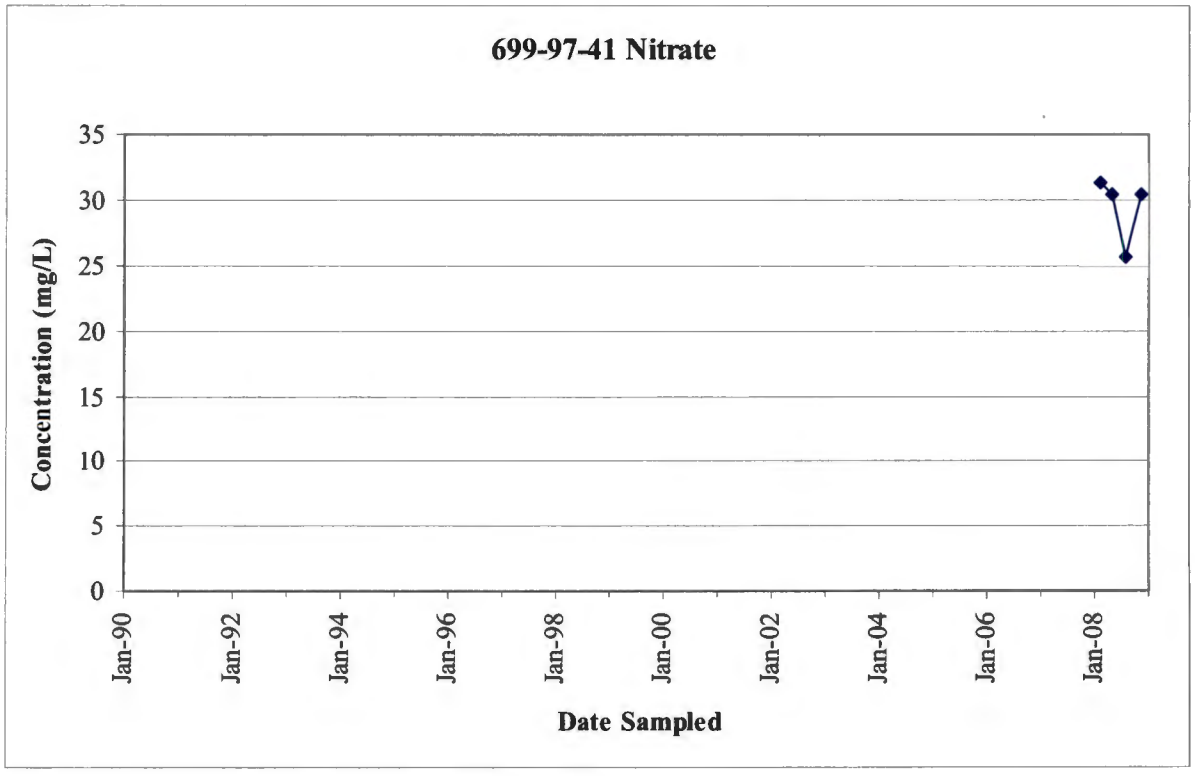

699-91-46A Nitrate
Concentration (mg/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

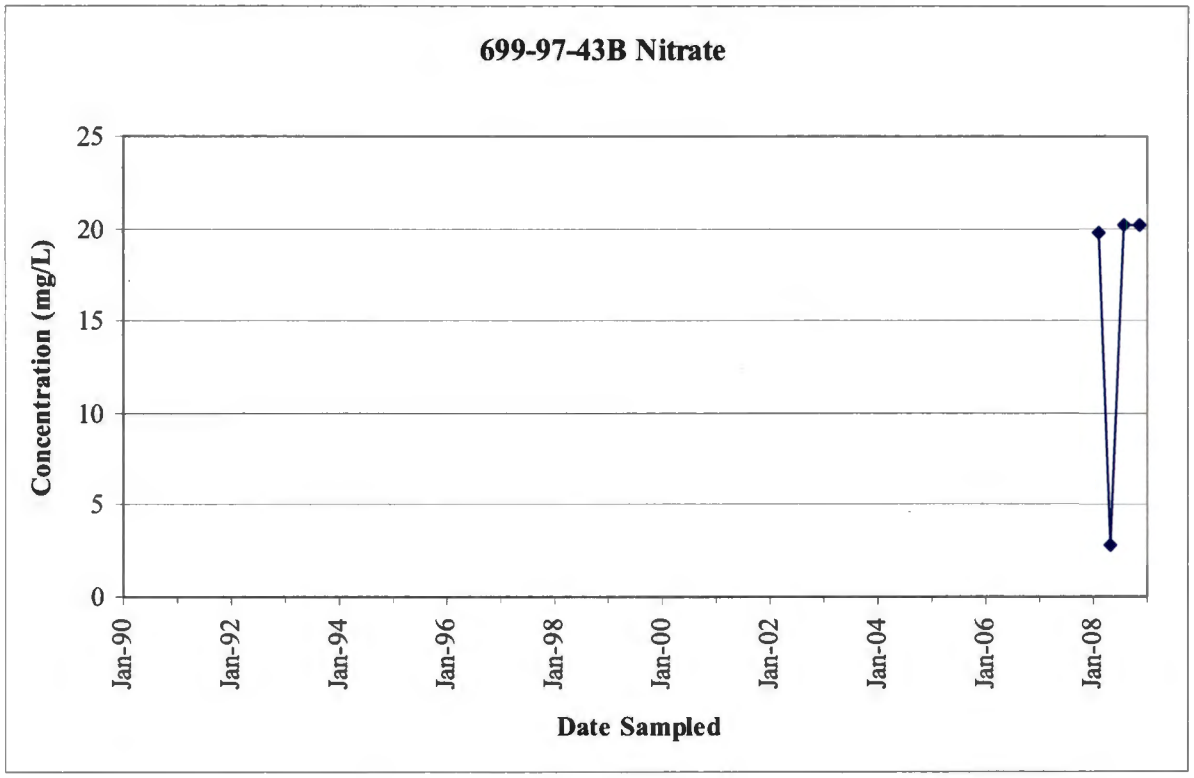

699-94-41 Nitrate
Concentration (mg/L)
23
22.5
22
21.5
21
20.5
20
19.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

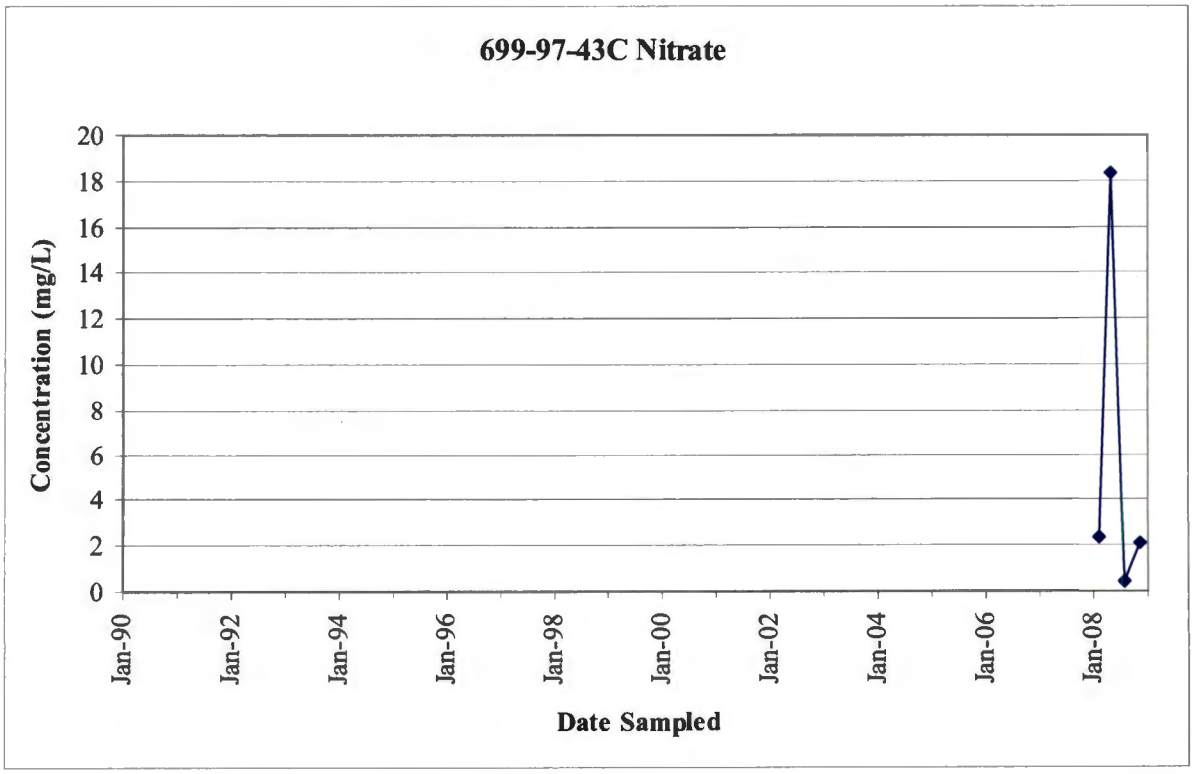

699-94-43 Nitrate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

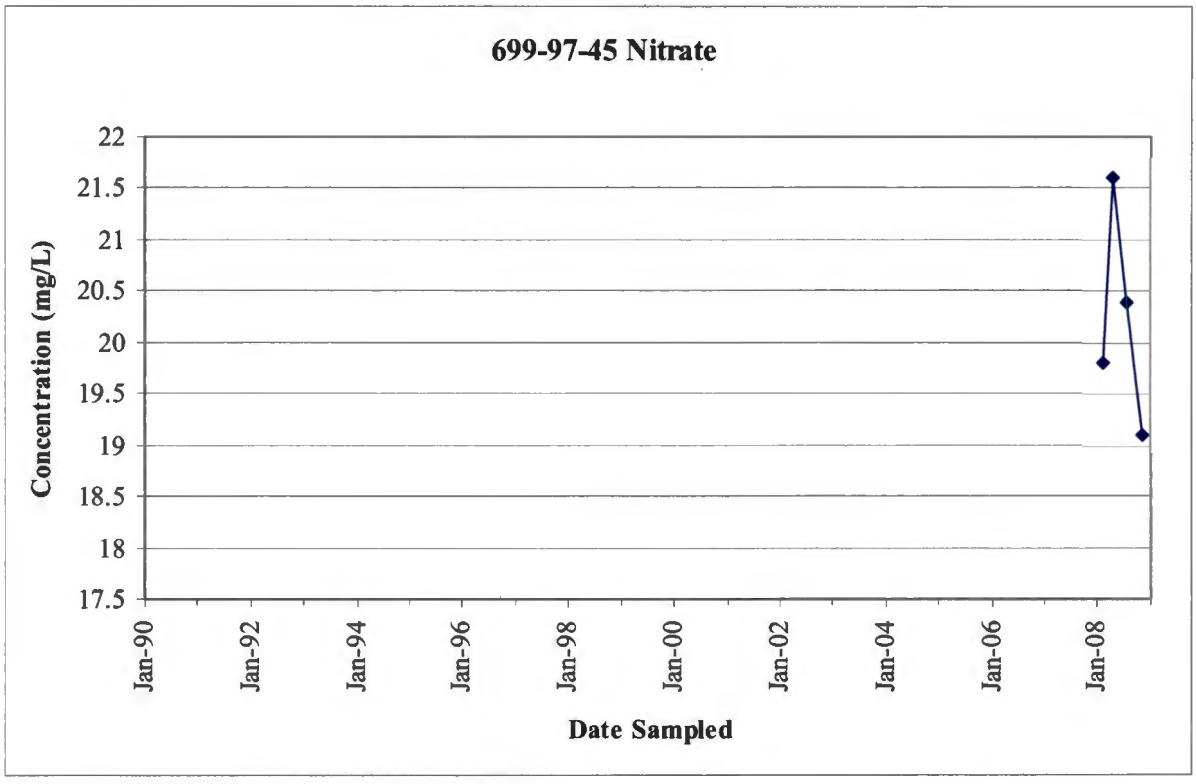

699-95-45 Nitrate
Concentration (mg/L)
16.5
16
15.5
15
14.5
14
13.5
13
12.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

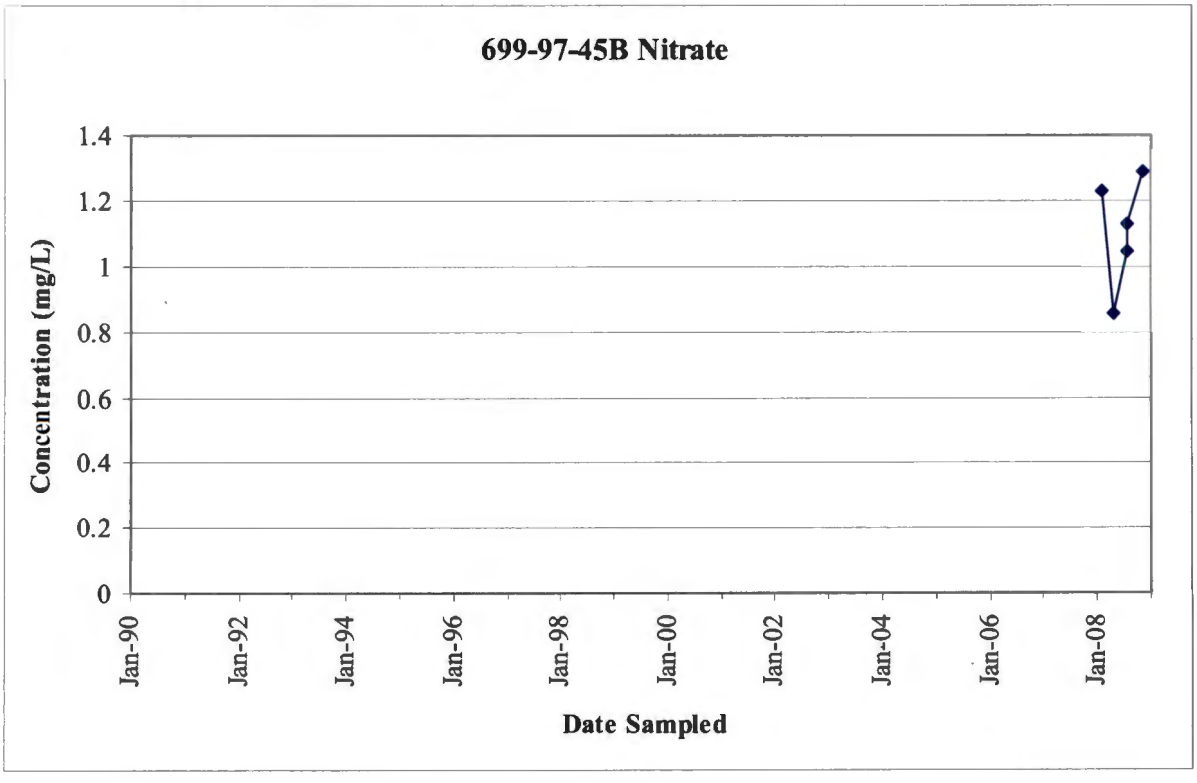

699-96-43 Nitrate
Concentration (mg/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

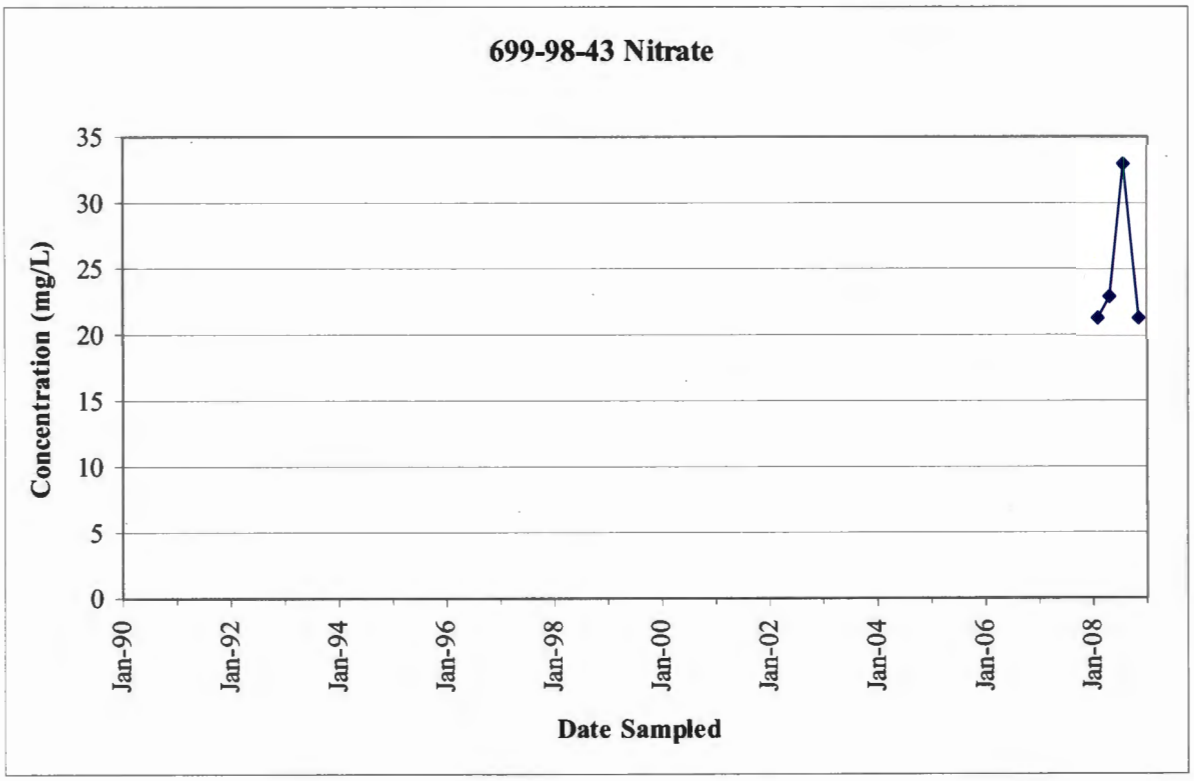

699-97-41 Nitrate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

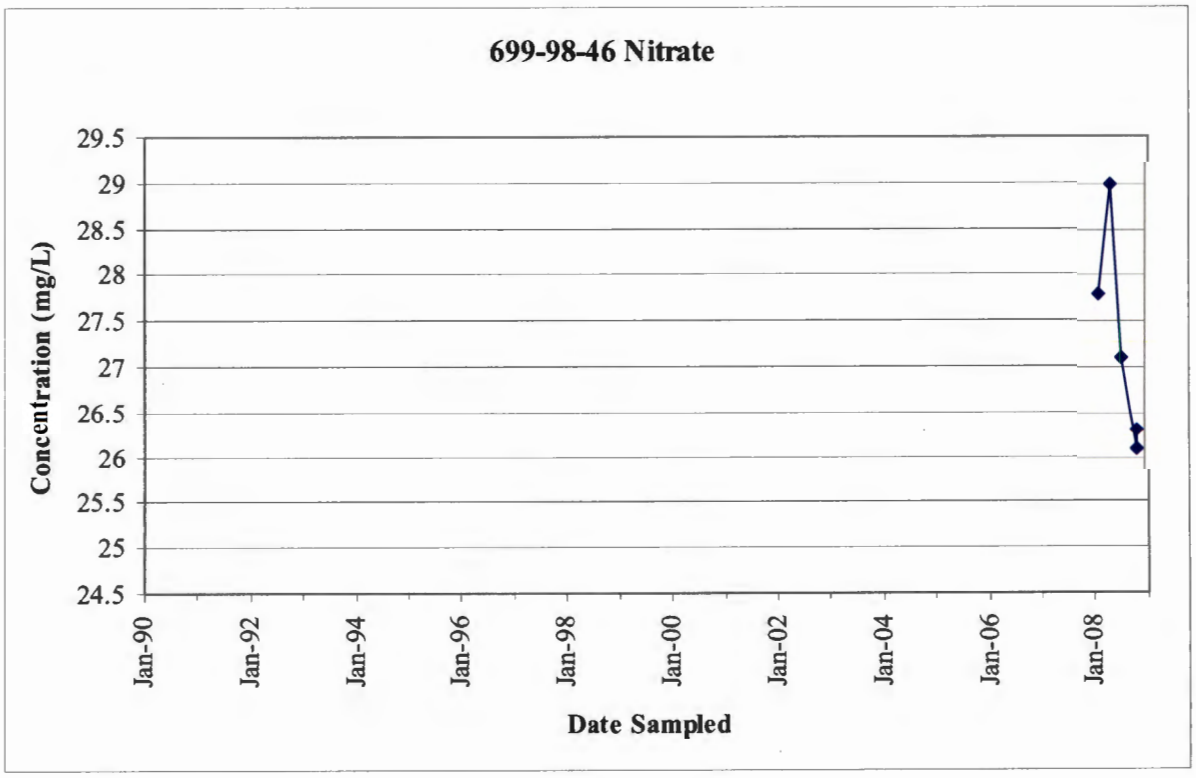

699-97-43B Nitrate
Concentration (mg/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

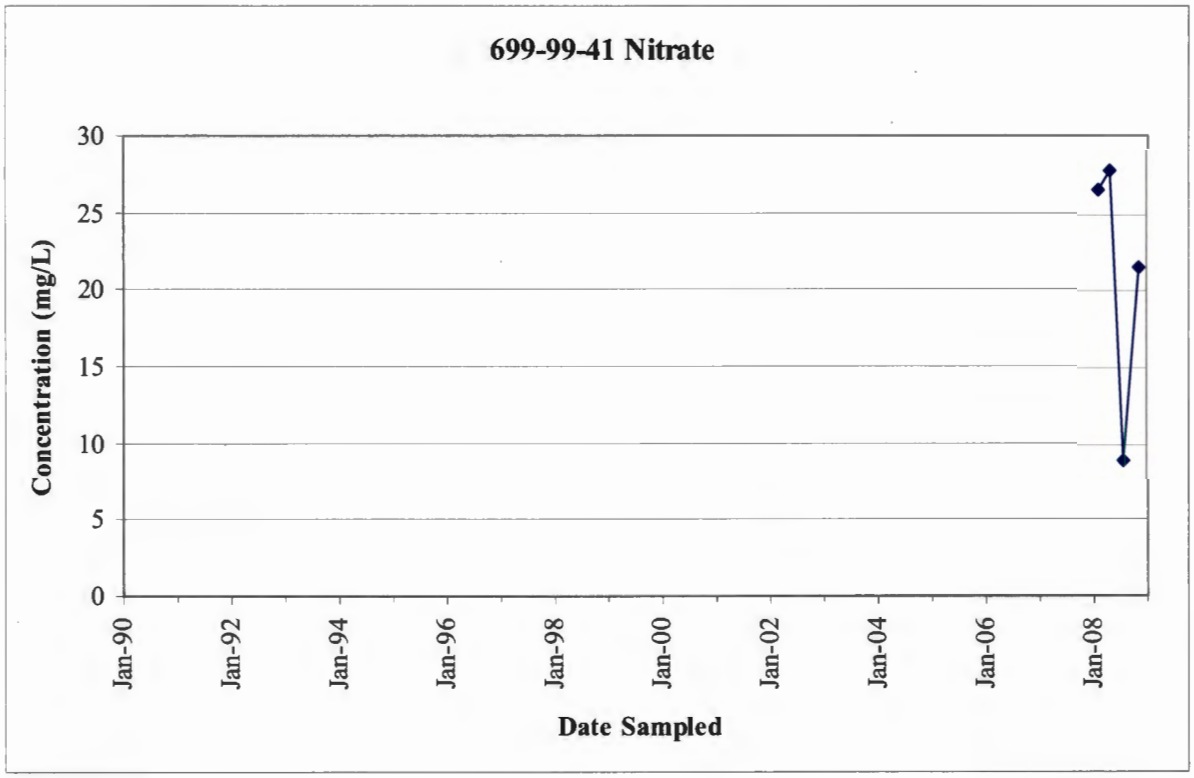

699-97-43C Nitrate
Concentration (mg/L)
20
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

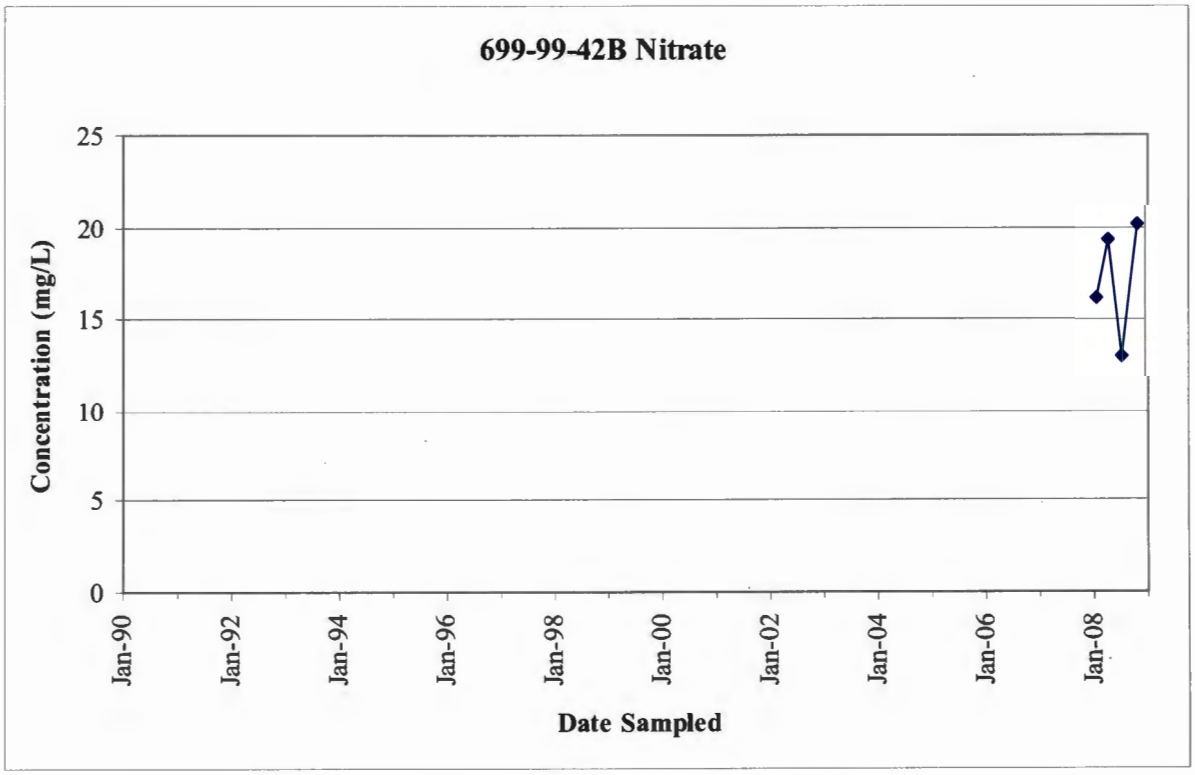

699-97-45 Nitrate
Concentration (mg/L)
22
21.5
21
20.5
20
19.5
19
18.5
18
17.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

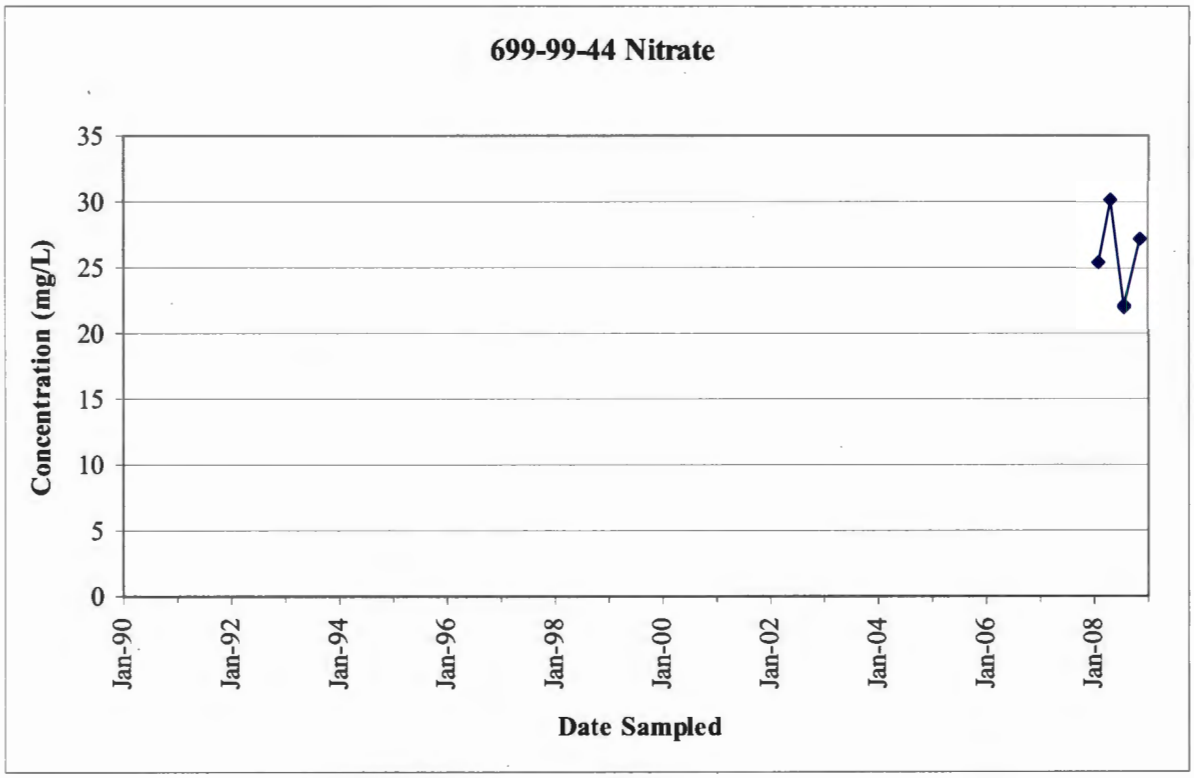

699-97-45B Nitrate
Concentration (mg/L)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

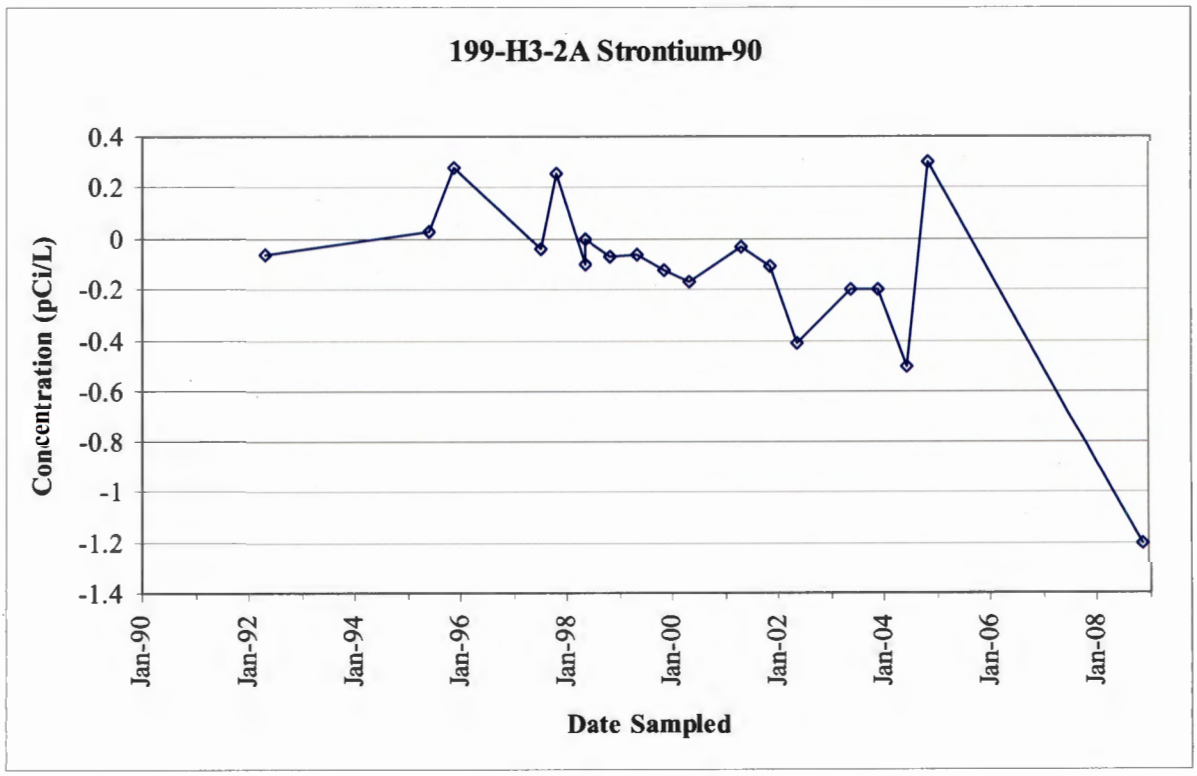

699-98-43 Nitrate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

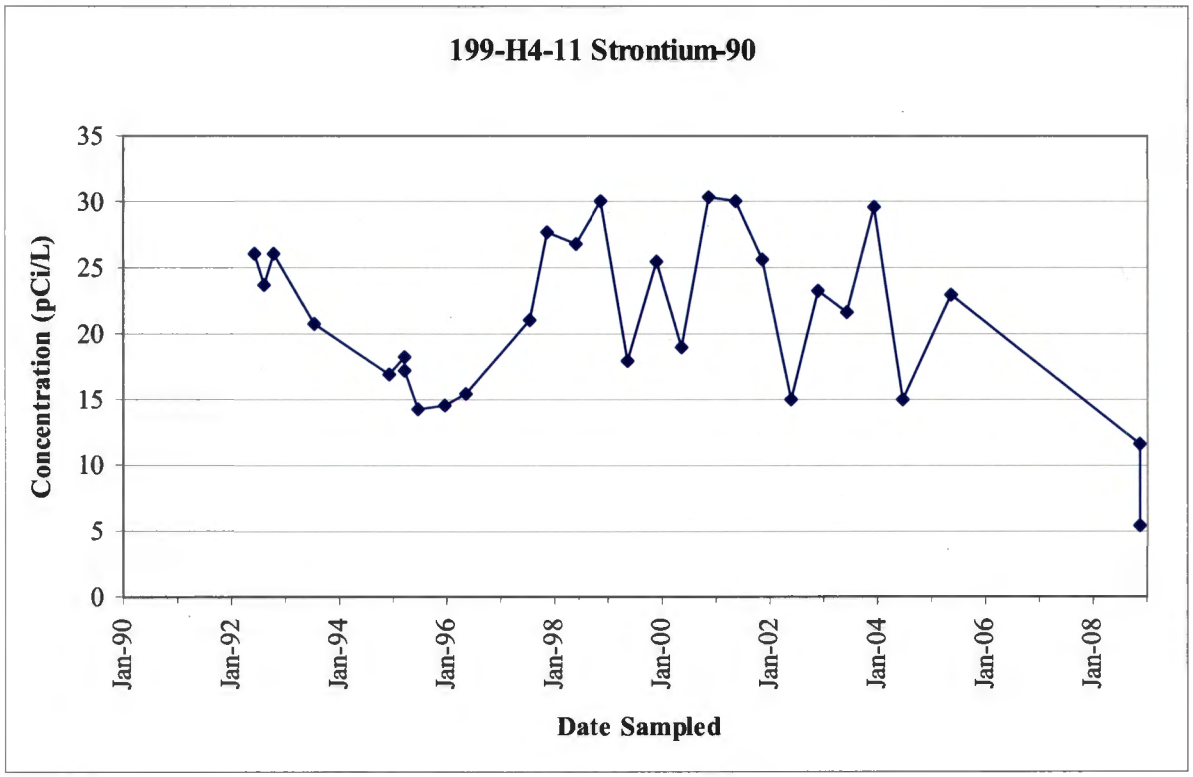

699-98-46 Nitrate
Concentration (mg/L)
29.5
29
28.5
28
27.5
27
26.5
26
25.5
25
24.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

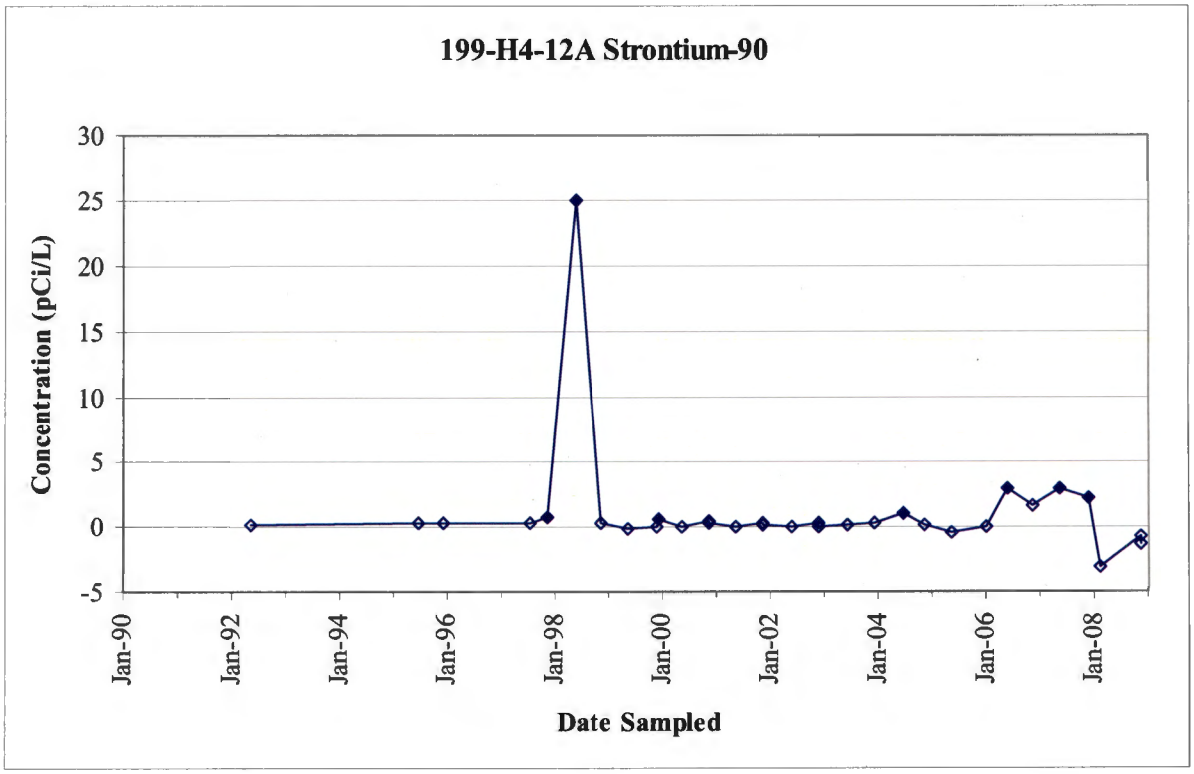

699-99-41 Nitrate
Concentration (mg/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

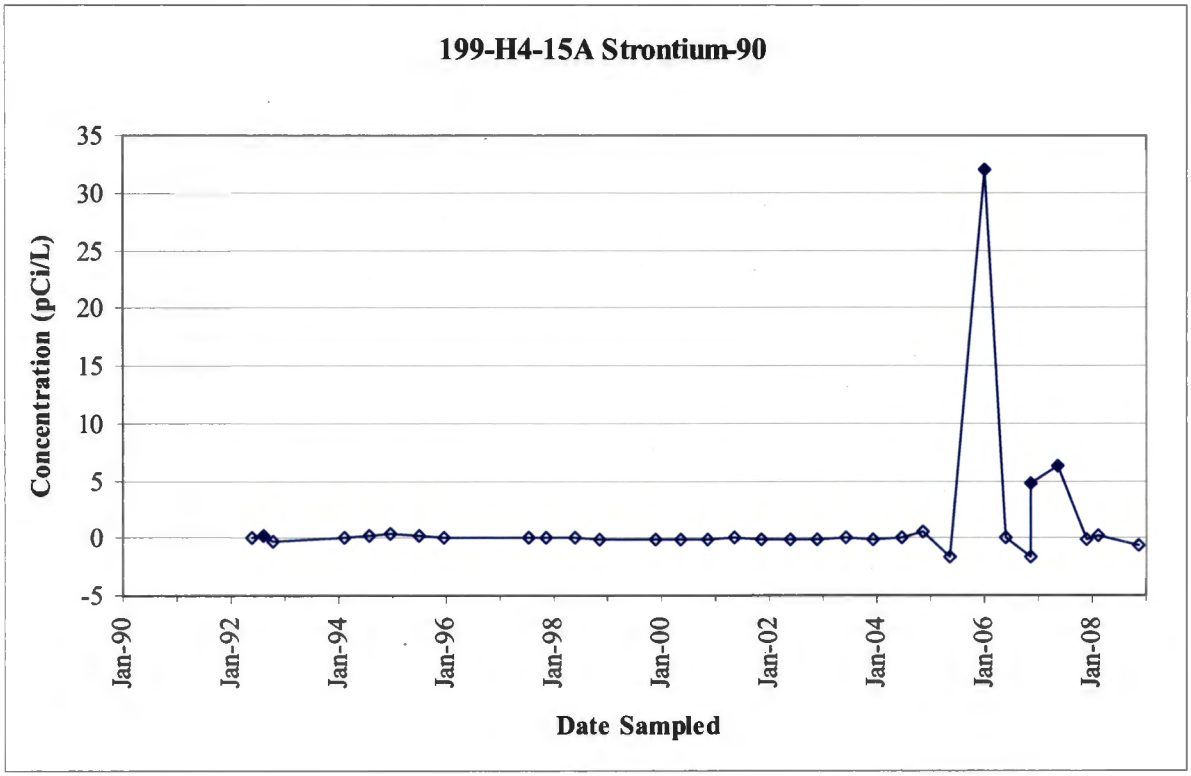

699-99-42B Nitrate
Concentration (mg/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

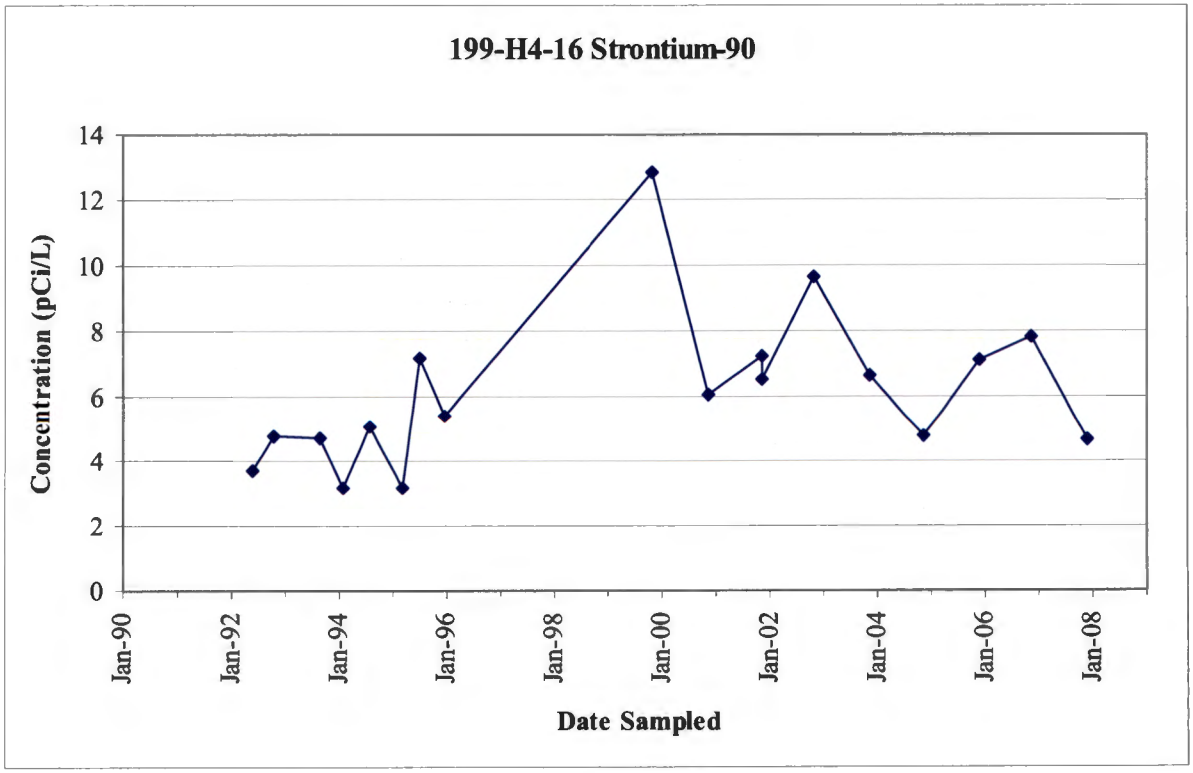

699-99-44 Nitrate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

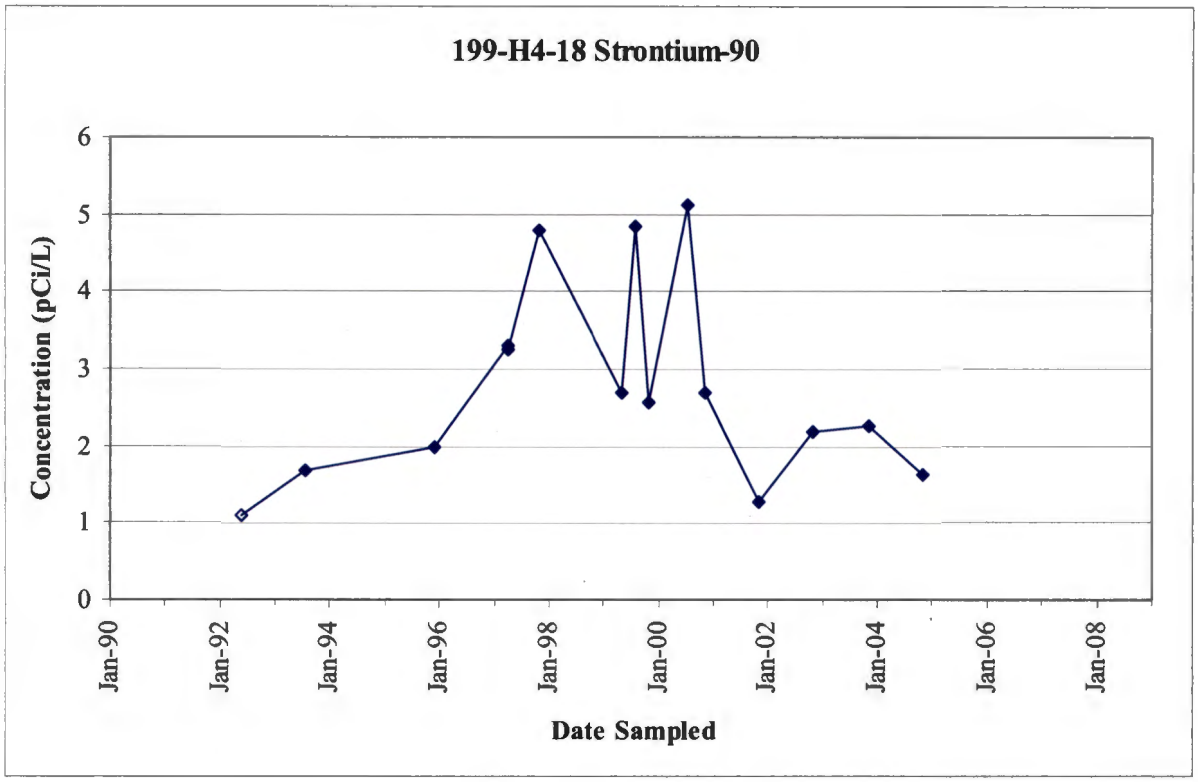

199-H3-2A Strontium-90
Concentration (pCi/L)
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

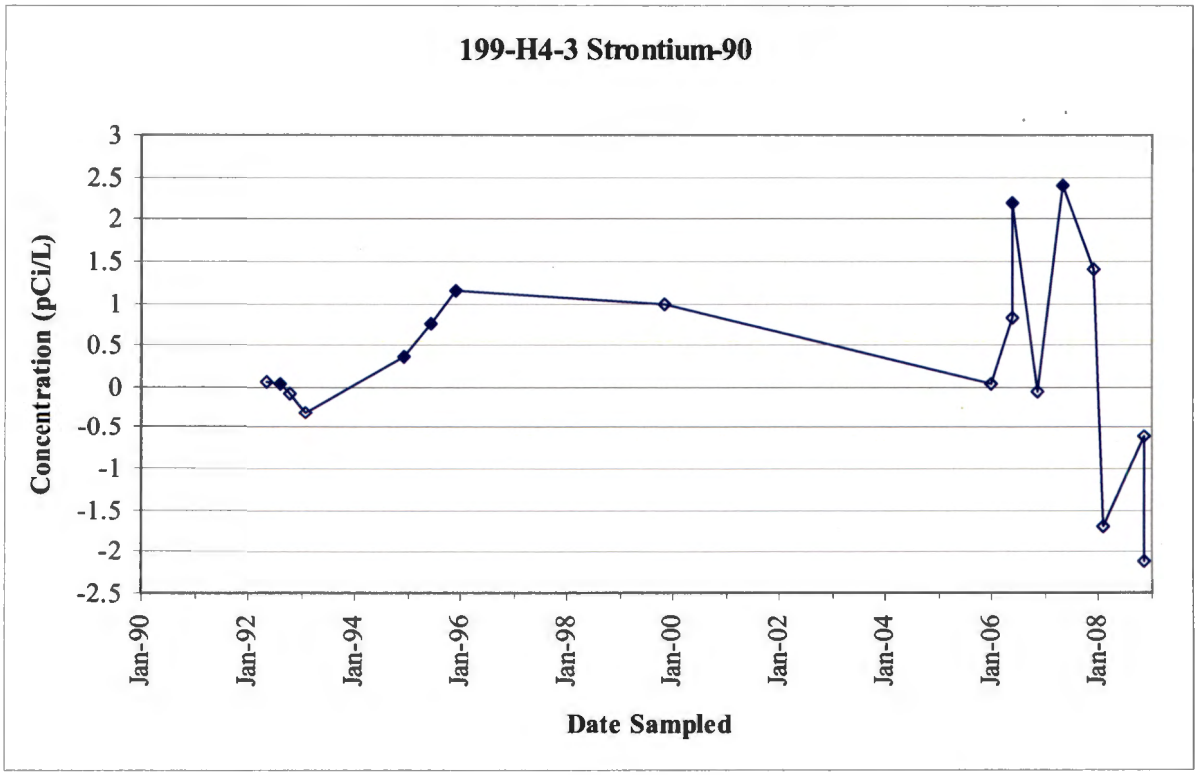

199-H4-11 Strontium-90
Concentration (pCi/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

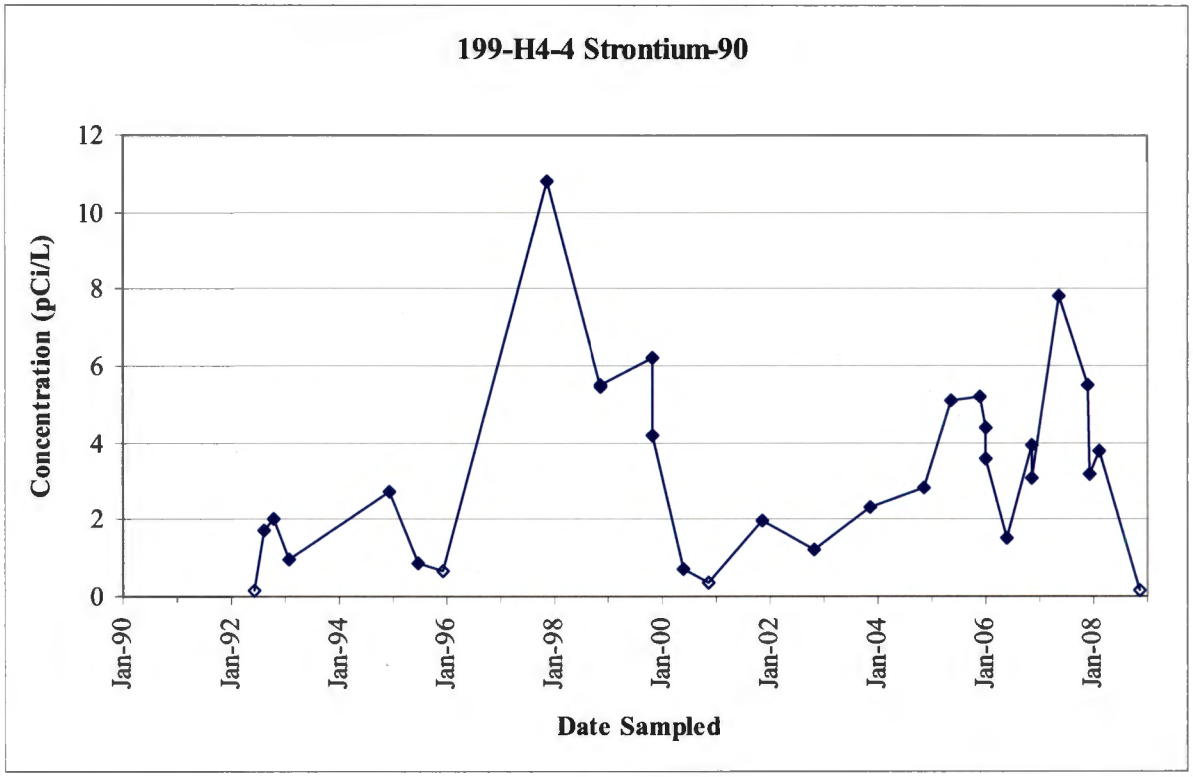

199-H4-12A Strontium-90
Concentration (pCi/L)
30
25
20
15
10
5
0
-5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

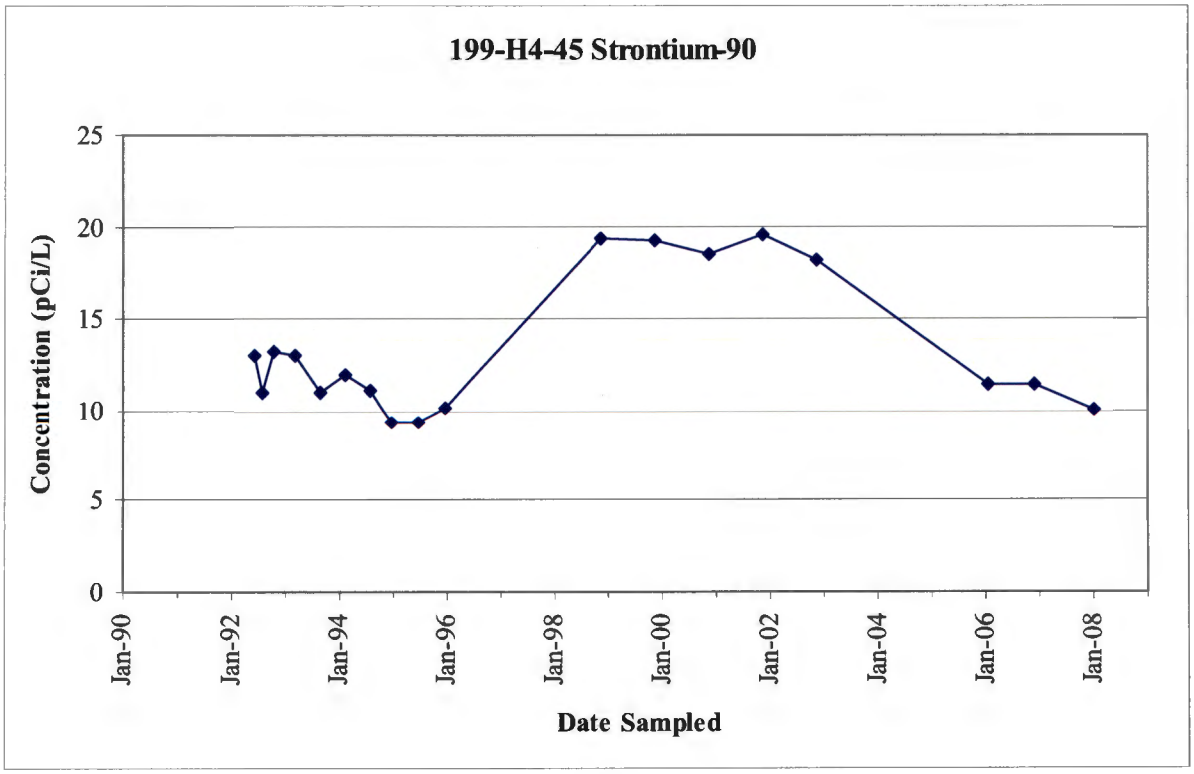

199-H4-15A Strontium-90
Concentration (pCi/L)
35
30
25
20
15
10
5
0
-5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

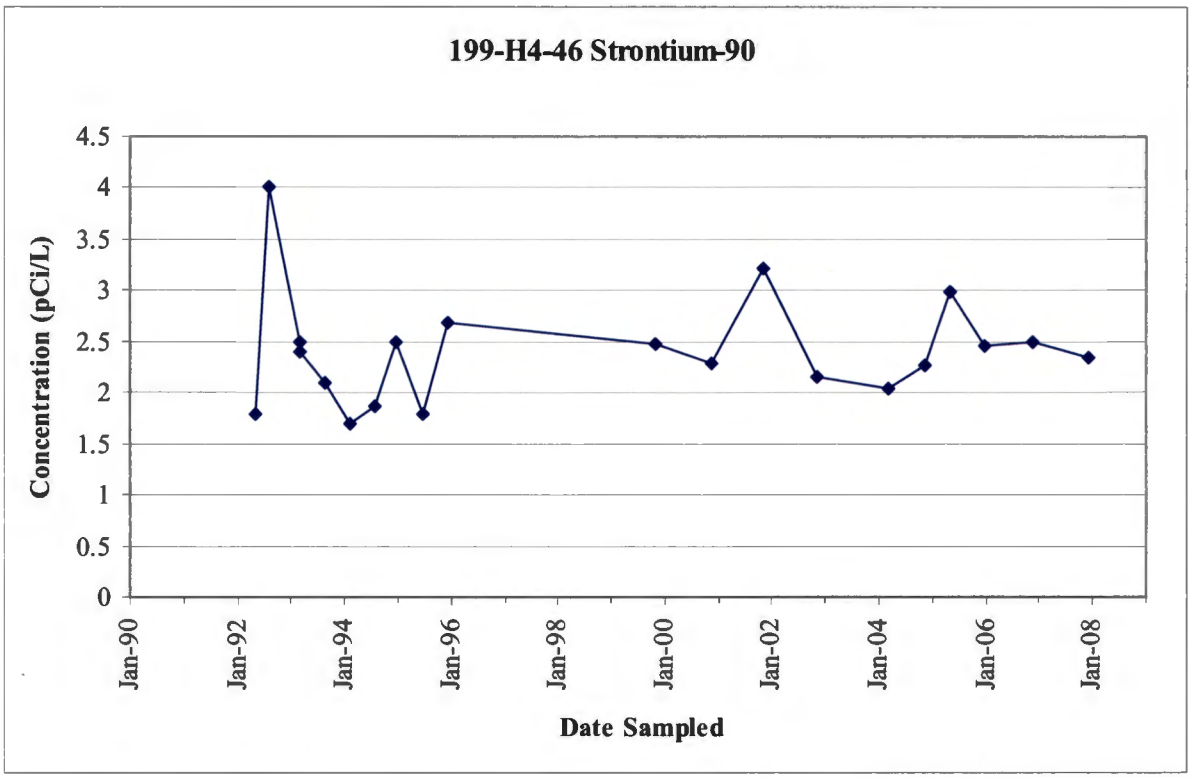

199-H4-16 Strontium-90
Concentration (pCi/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

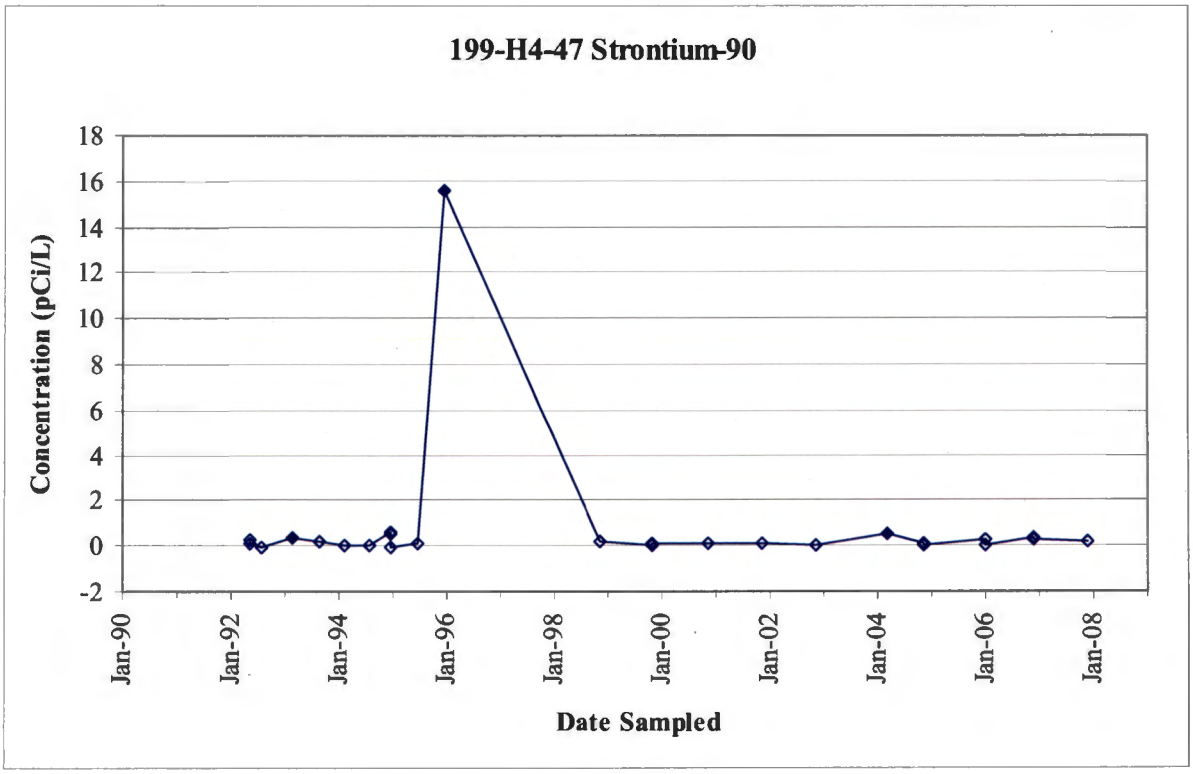

199-H4-18 Strontium-90
Concentration (pCi/L)
0
1
2
3
4
5
6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

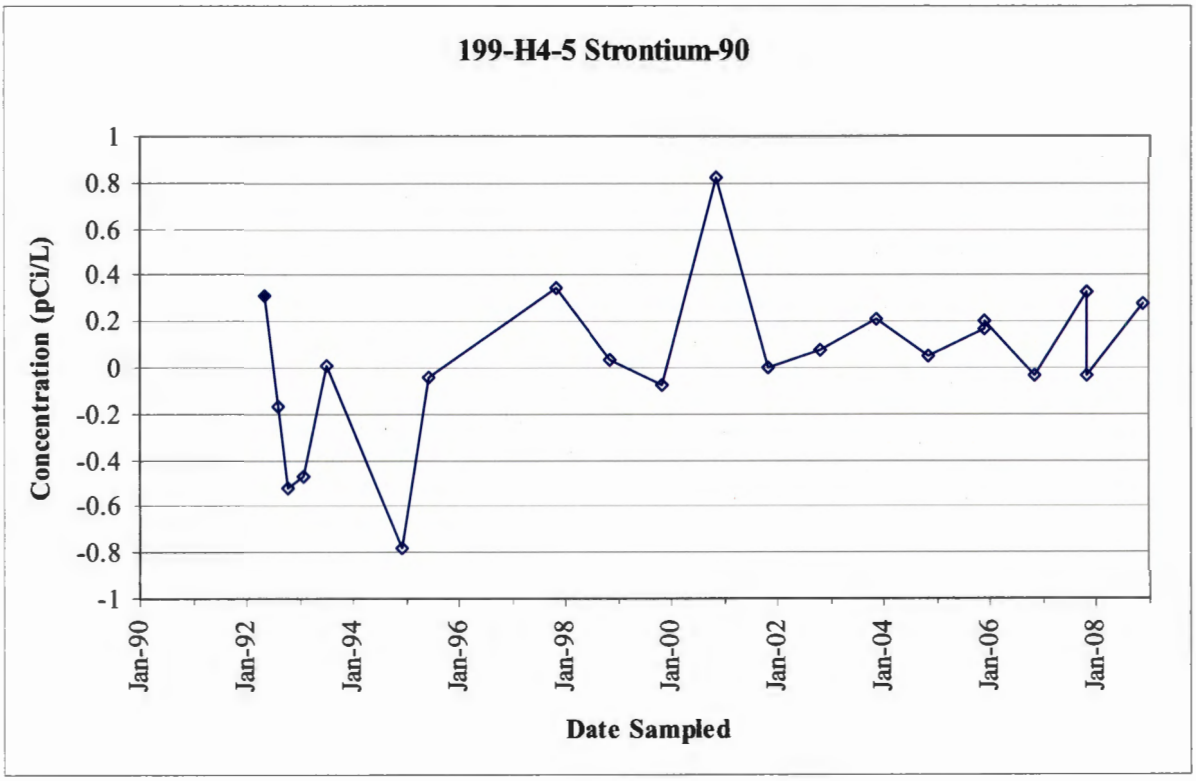

199-H4-3 Strontium-90
Concentration (pCi/L)
3
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-4 Strontium-90
Concentration (pCi/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-45 Strontium-90
Concentration (pCi/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-46 Strontium-90
Concentration (pCi/L)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-47 Strontium-90
Concentration (pCi/L)
18
16
14
12
10
8
6
4
2
0
-2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-5 Strontium-90
Concentration (pCi/L)
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
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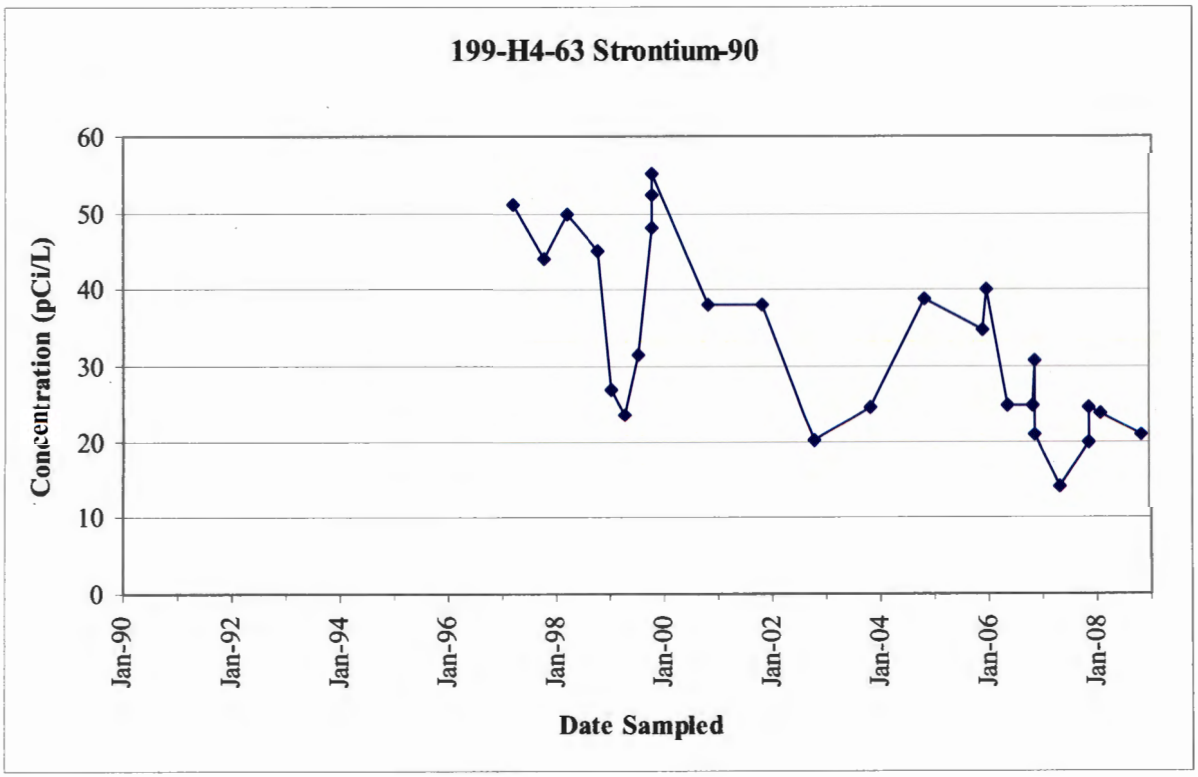
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-63 Strontium-90
Concentration (pCi/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
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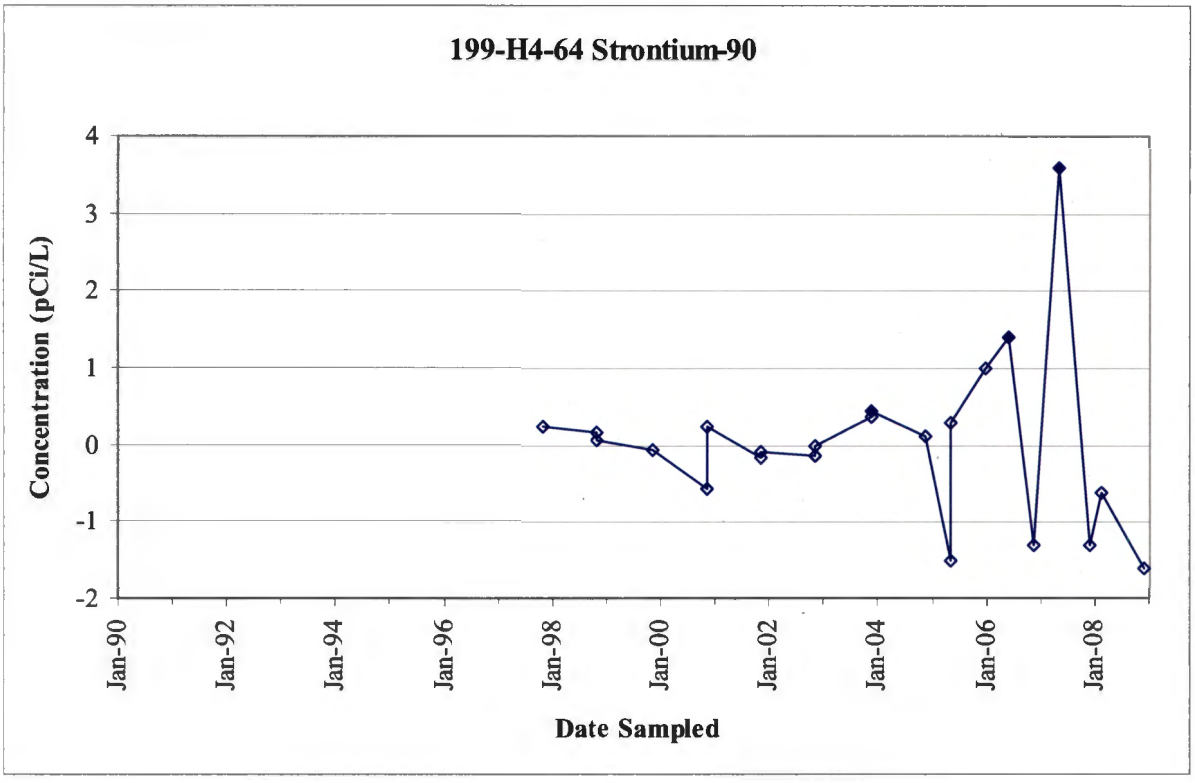
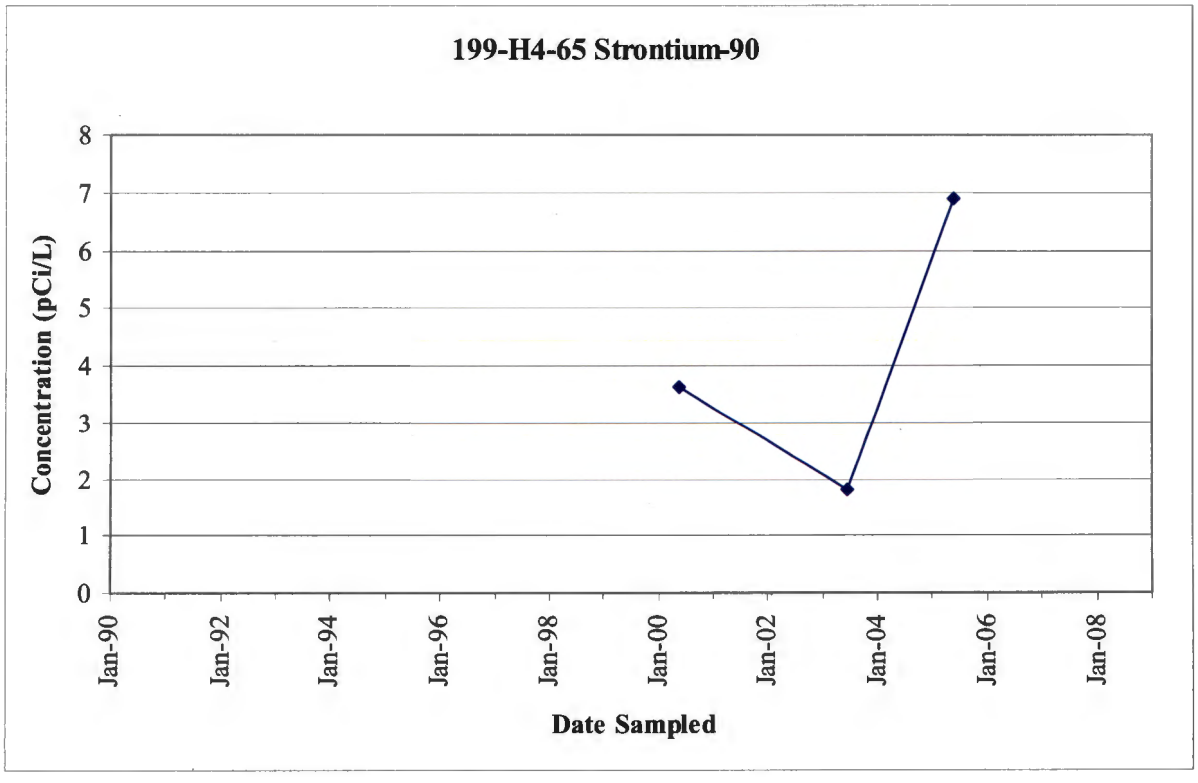
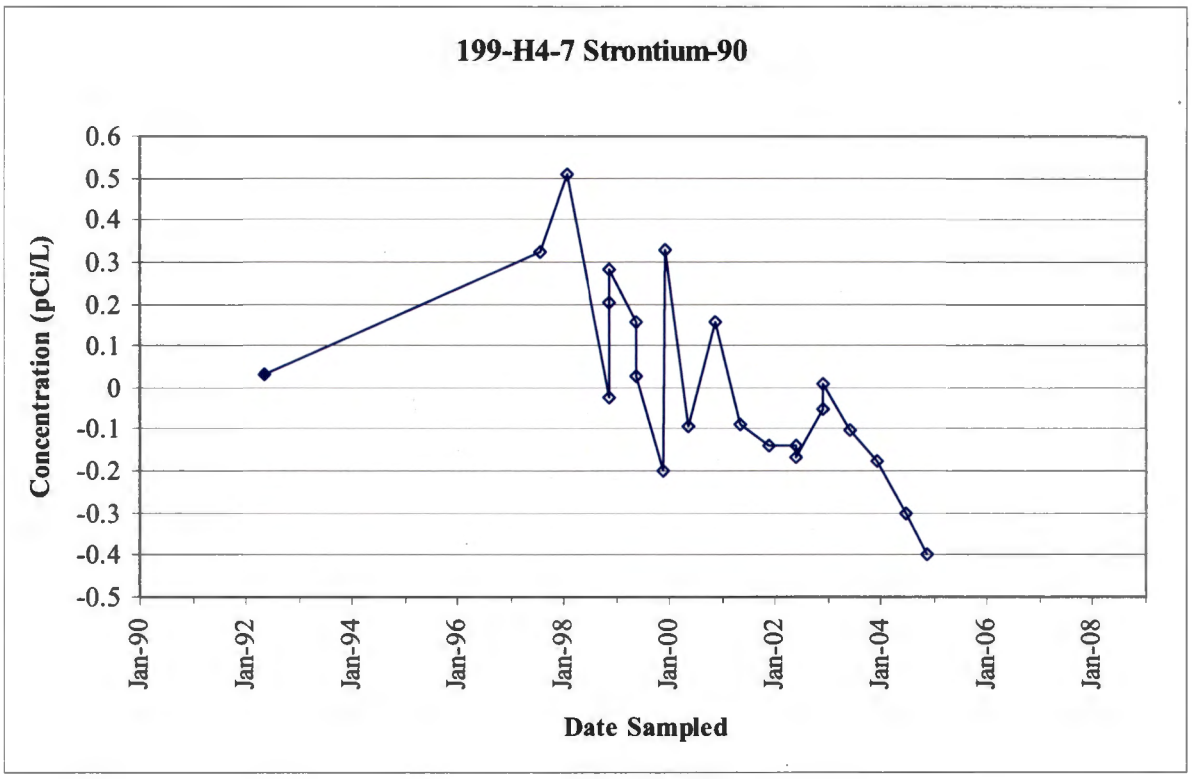
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-64 Strontium-90
Concentration (pCi/L)
4
3
2
1
0
-1
-2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-65 Strontium-90
Concentration (pCi/L)
8
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-7 Strontium-90
Concentration (pCi/L)
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
Jan-90
Jan-92
Jan-94
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Jan-98
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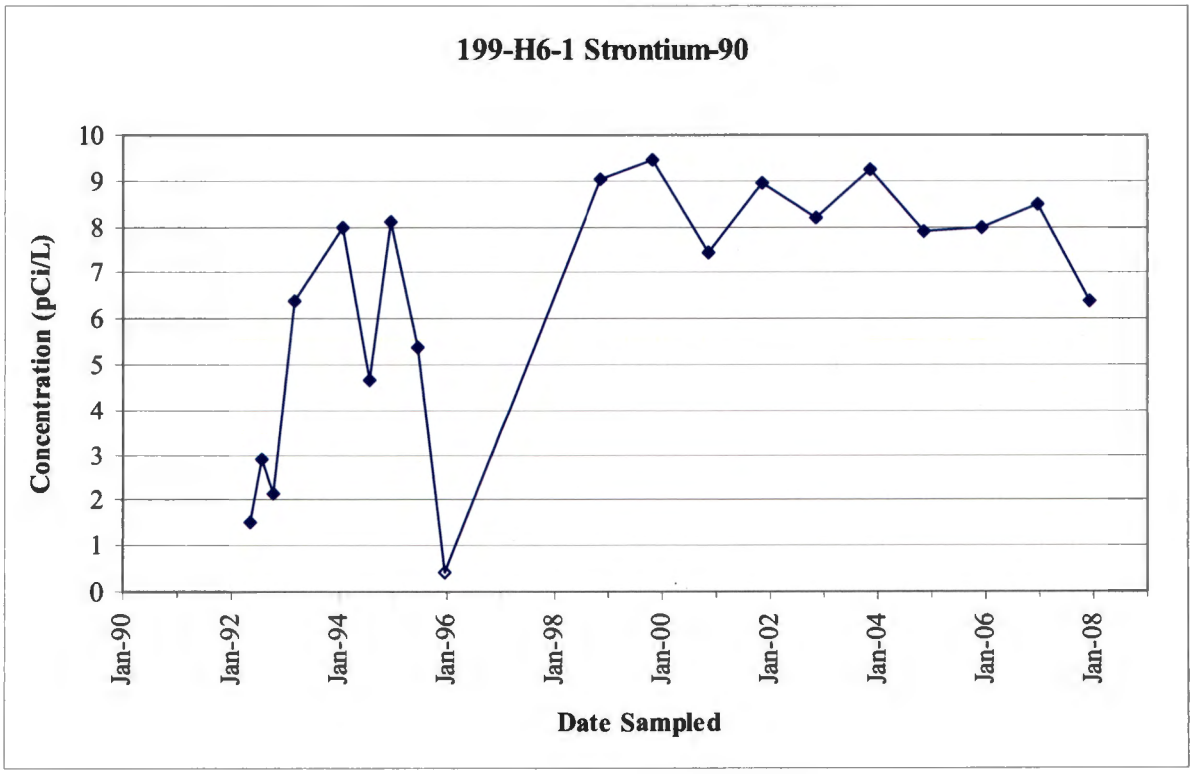
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H6-1 Strontium-90
Concentration (pCi/L)
10
9
8
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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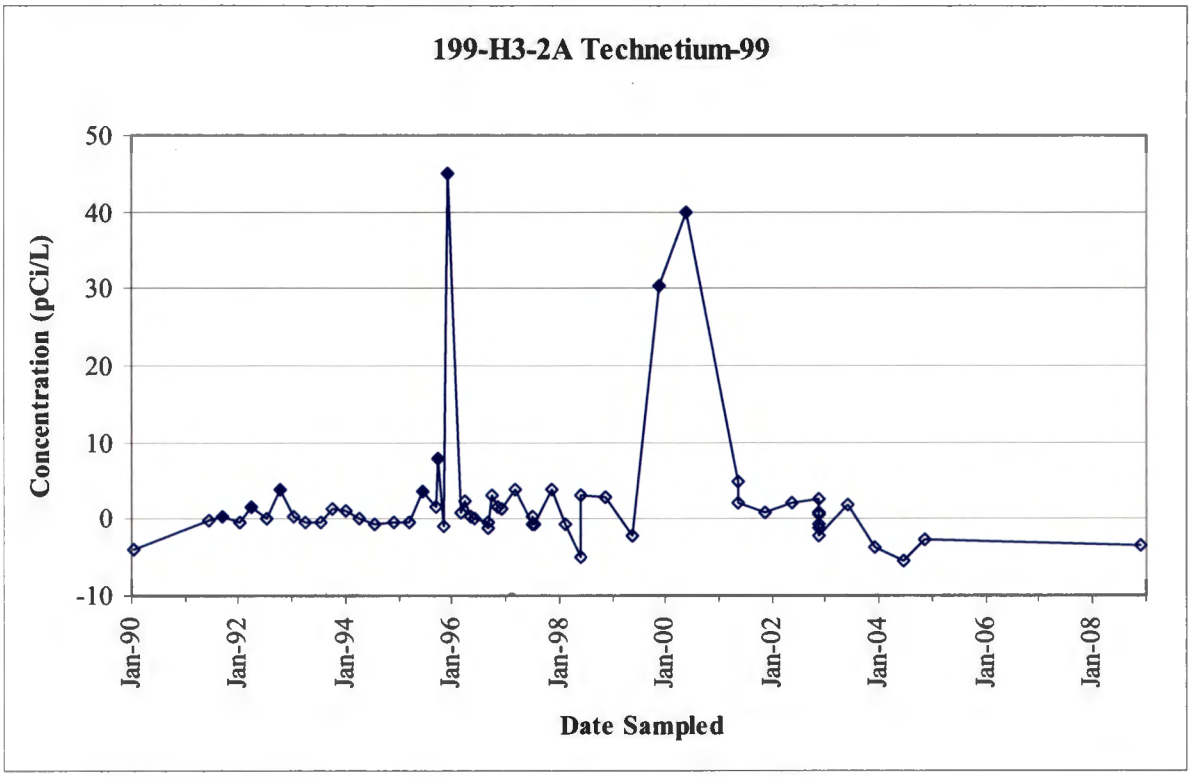
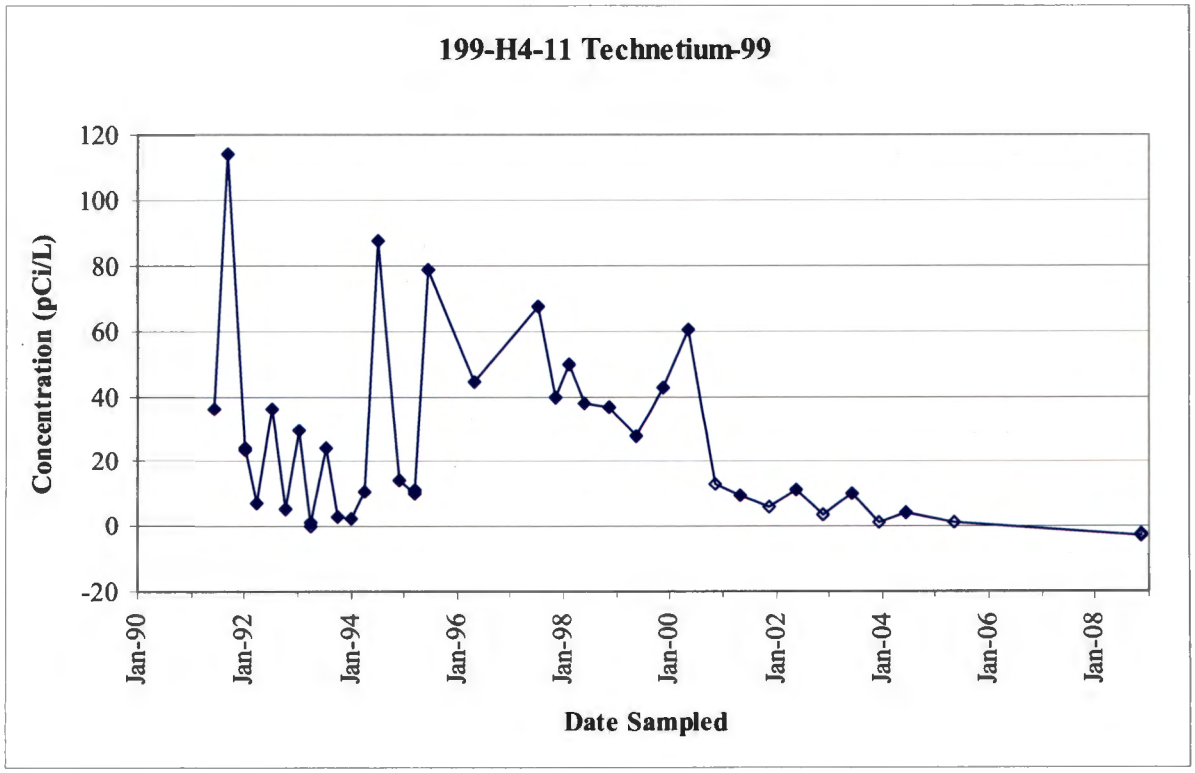
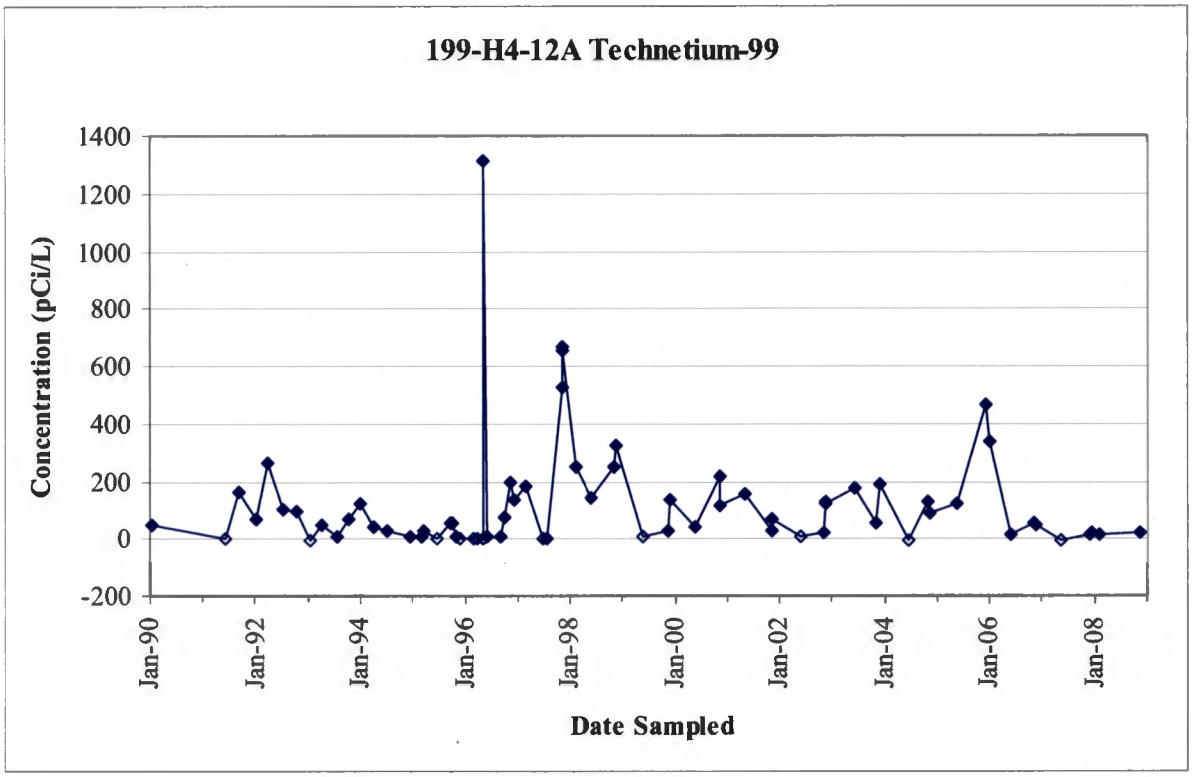
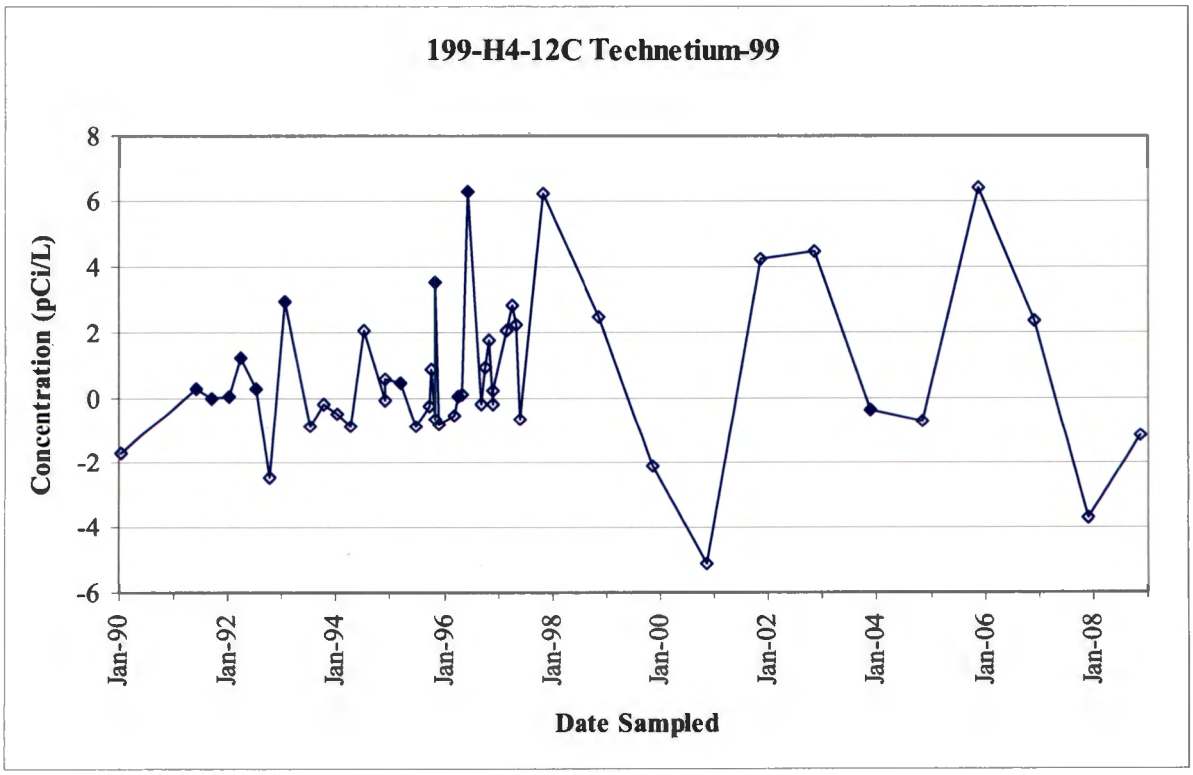
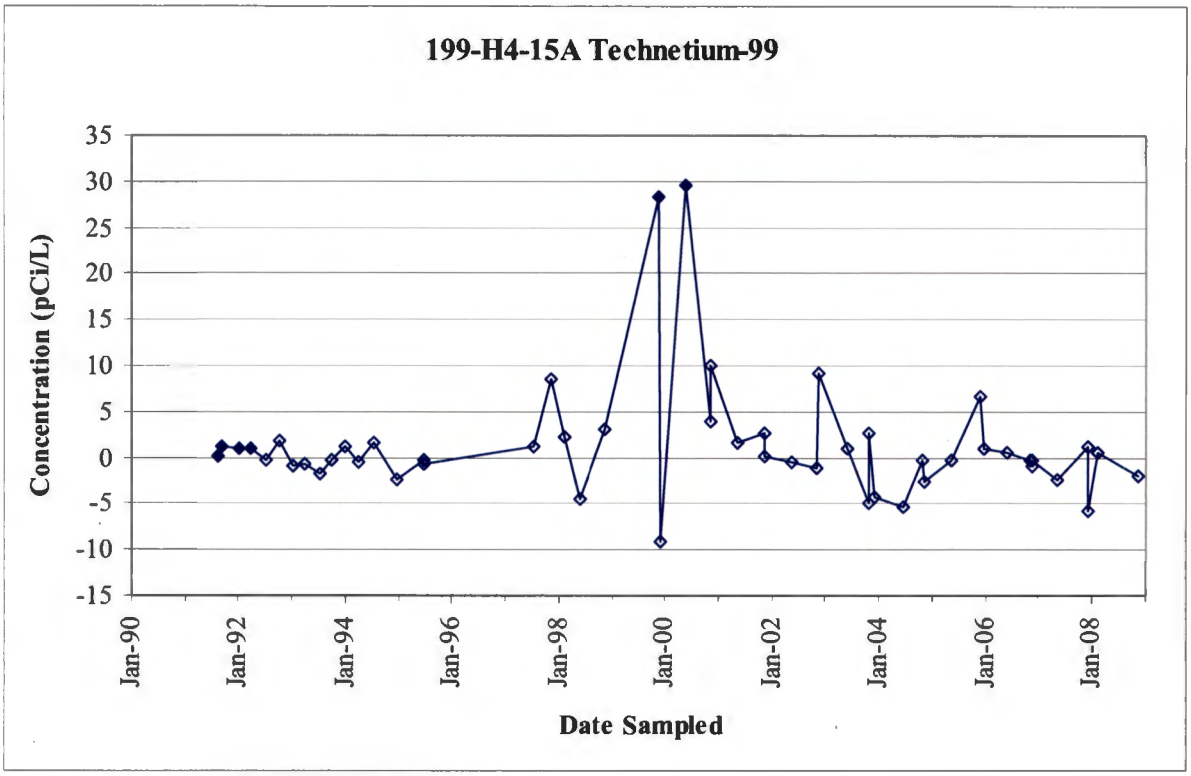
Jan-06
Jan-08
Date Sampled

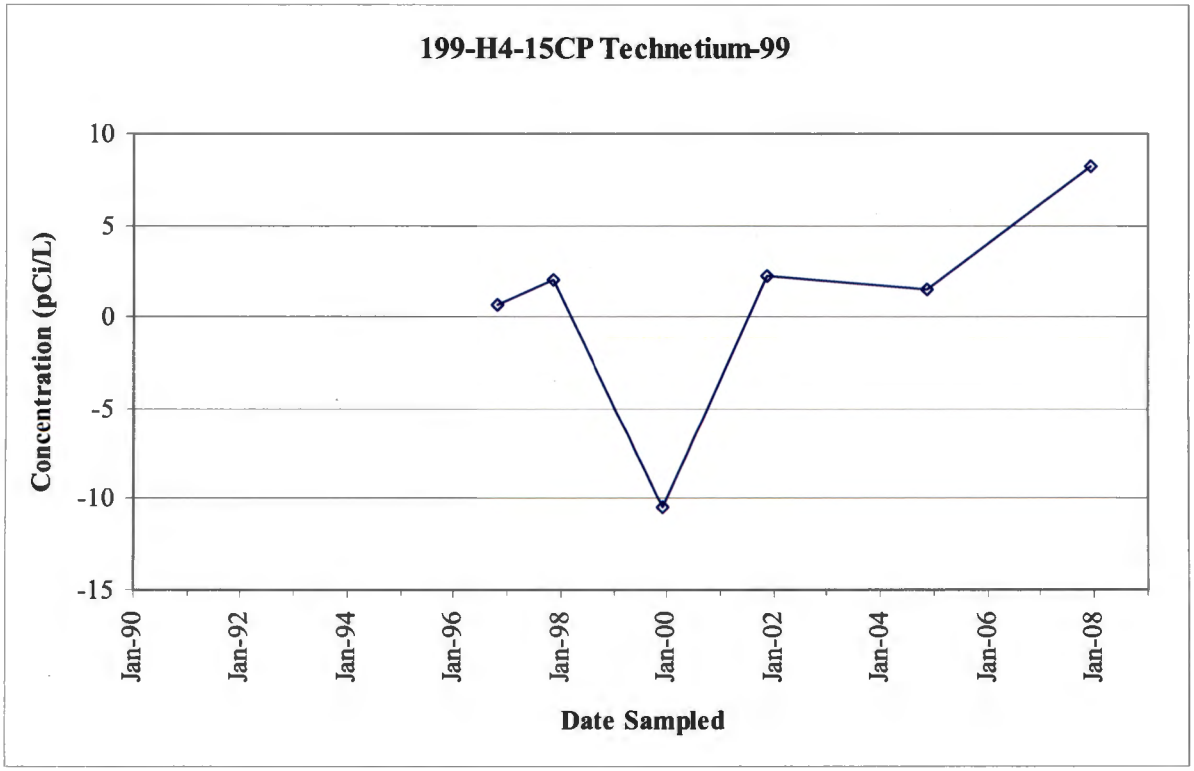

199-H3-2A Technetium-99
Concentration (pCi/L)
50
40
30
20
10
0
-10
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

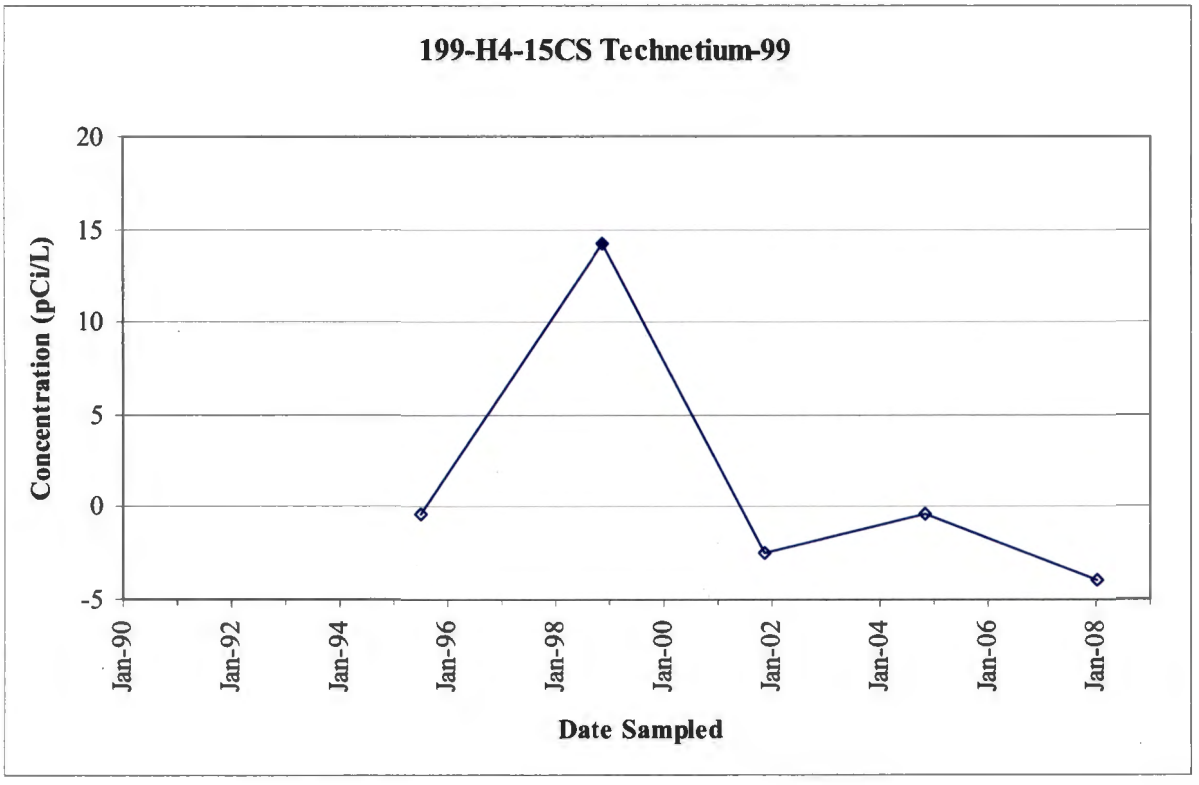

199-H4-11 Technetium-99
Concentration (pCi/L)
120
100
80
60
40
20
0
-20
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

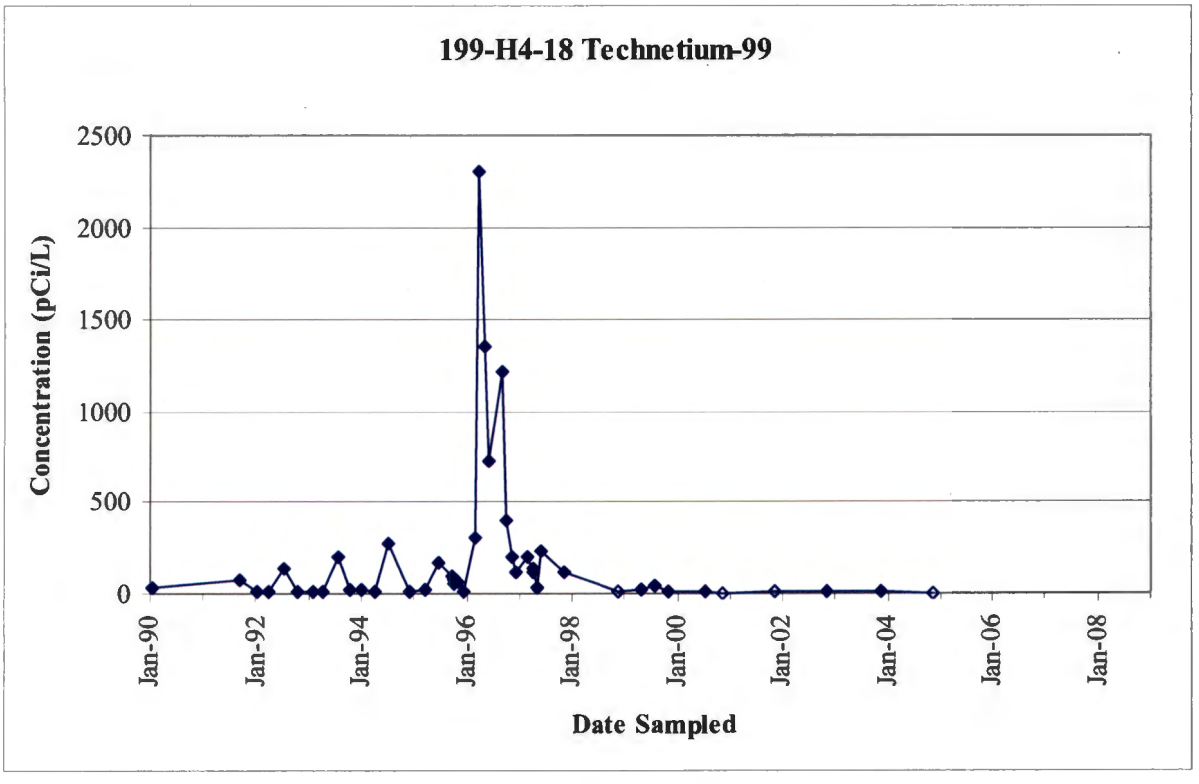

199-H4-12A Technetium-99
Concentration (pCi/L)
1400
1200
1000
800
600
400
200
0
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

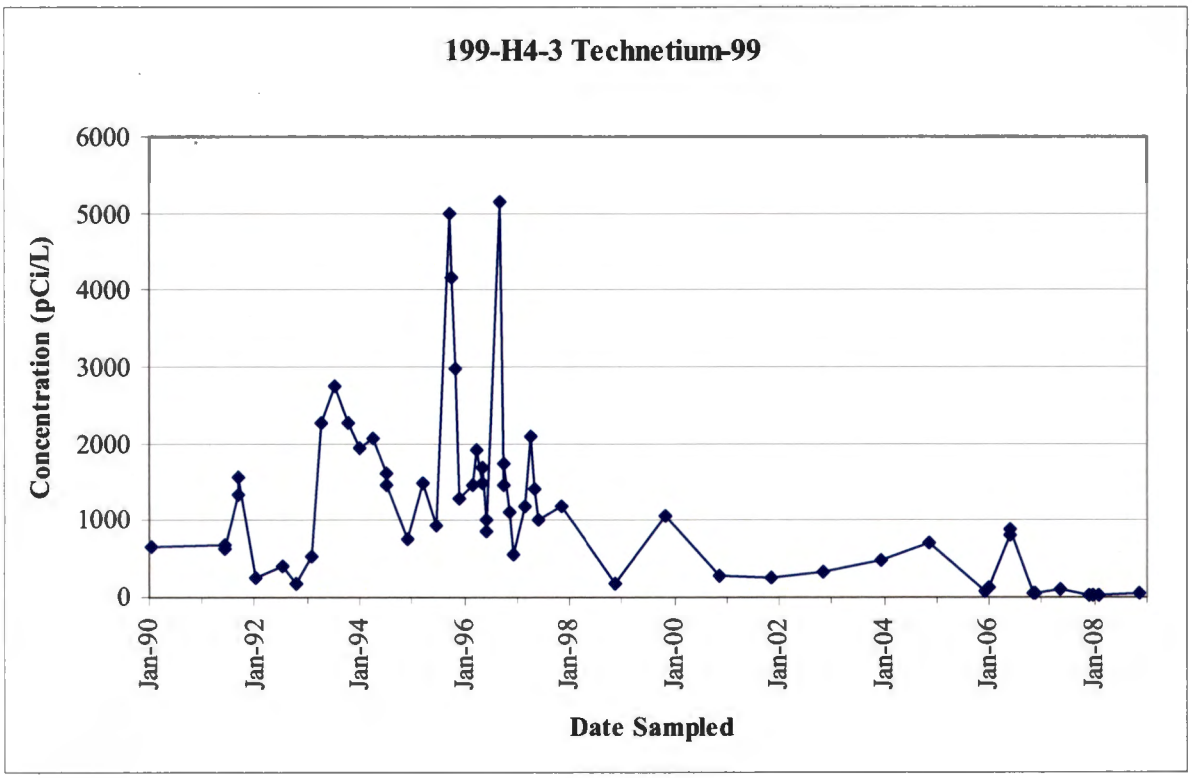

199-H4-12C Technetium-99
Concentration (pCi/L)
8
6
4
2
0
-2
-4
-6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

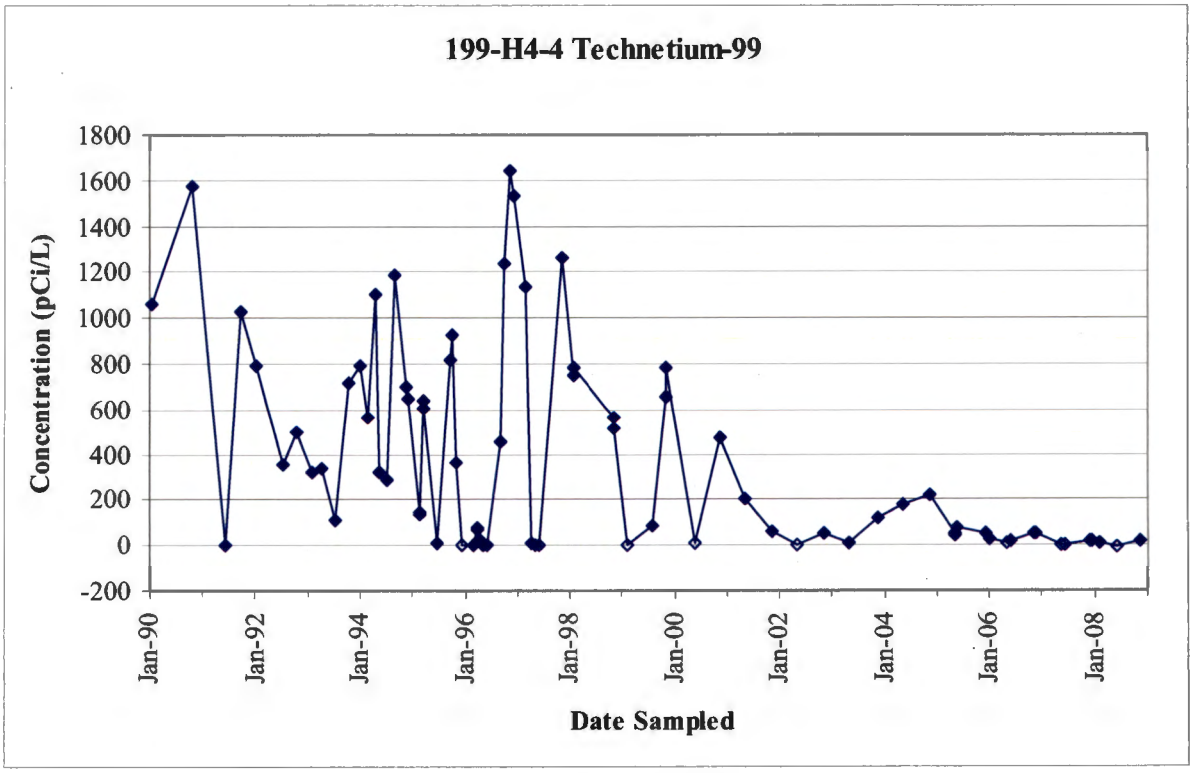

199-H4-15A Technetium-99
Concentration (pCi/L)
35
30
25
20
15
10
5
0
-5
-10
-15
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

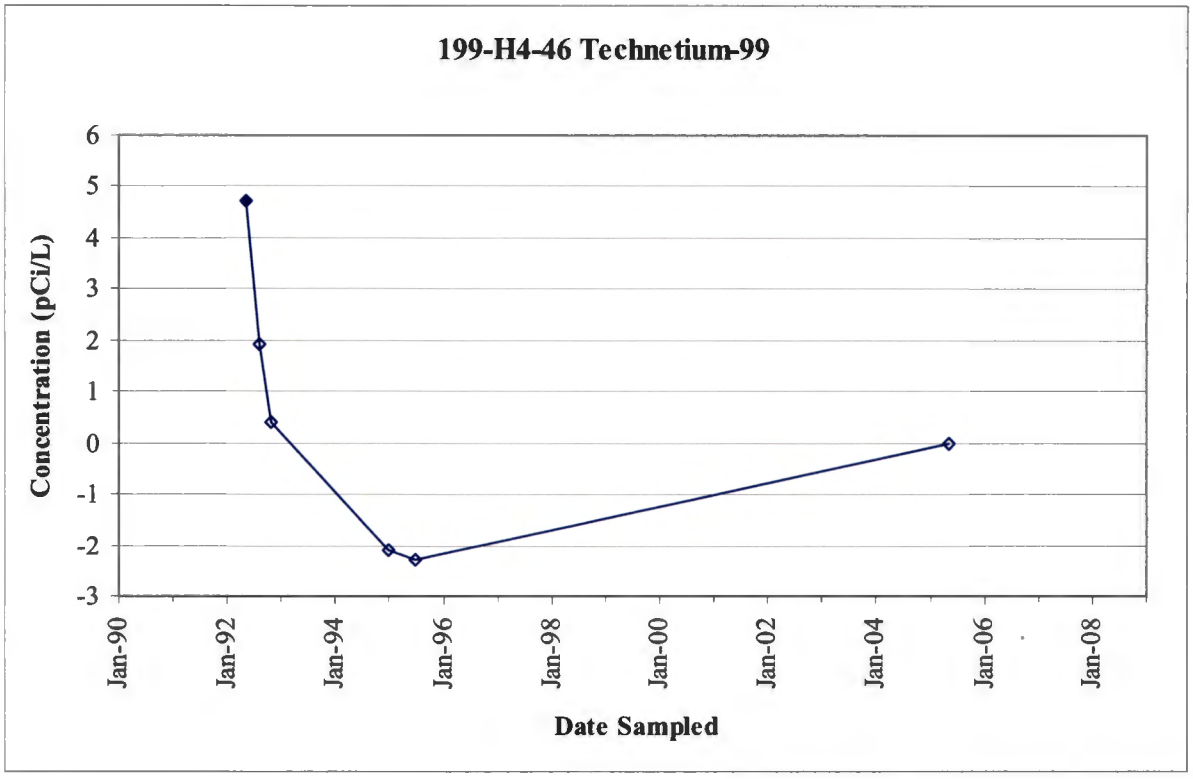

199-H4-15CP Technetium-99
Concentration (pCi/L)
10
5
0
-5
-10
-15
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

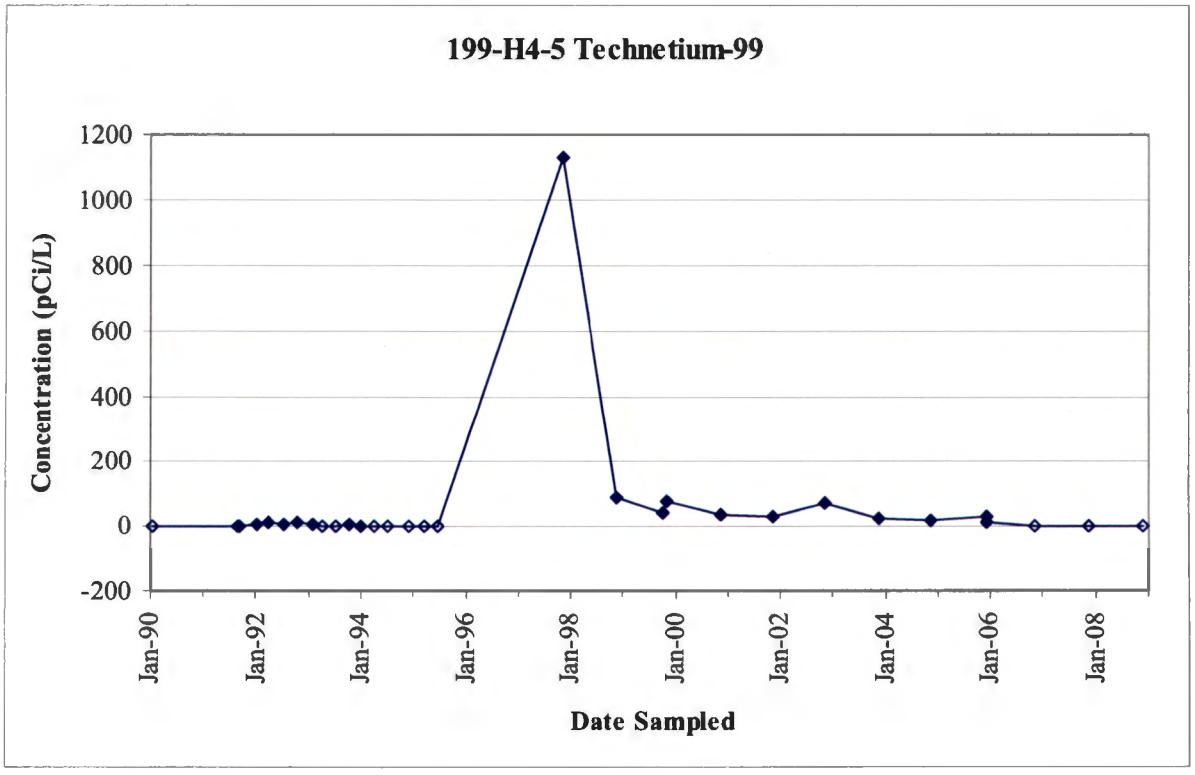

199-H4-15CS Technetium-99
Concentration (pCi/L)
20
15
10
5
0
-5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

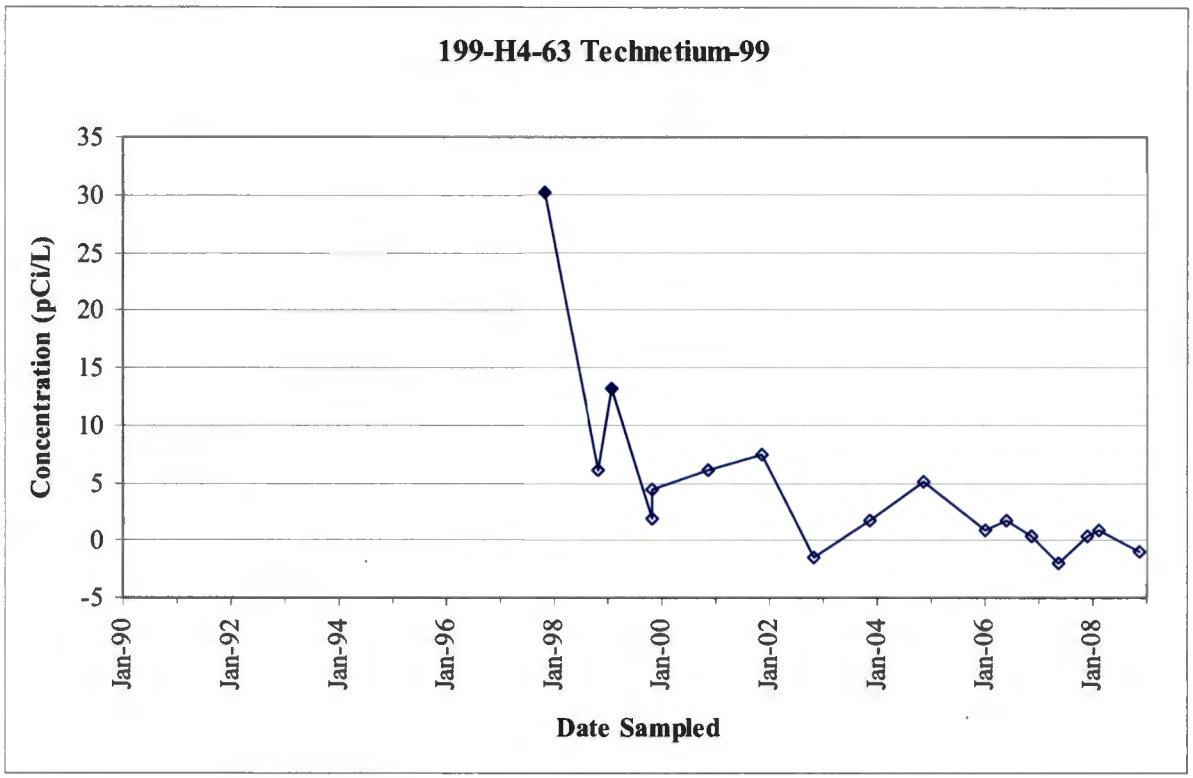

199-H4-18 Technetium-99
Concentration (pCi/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

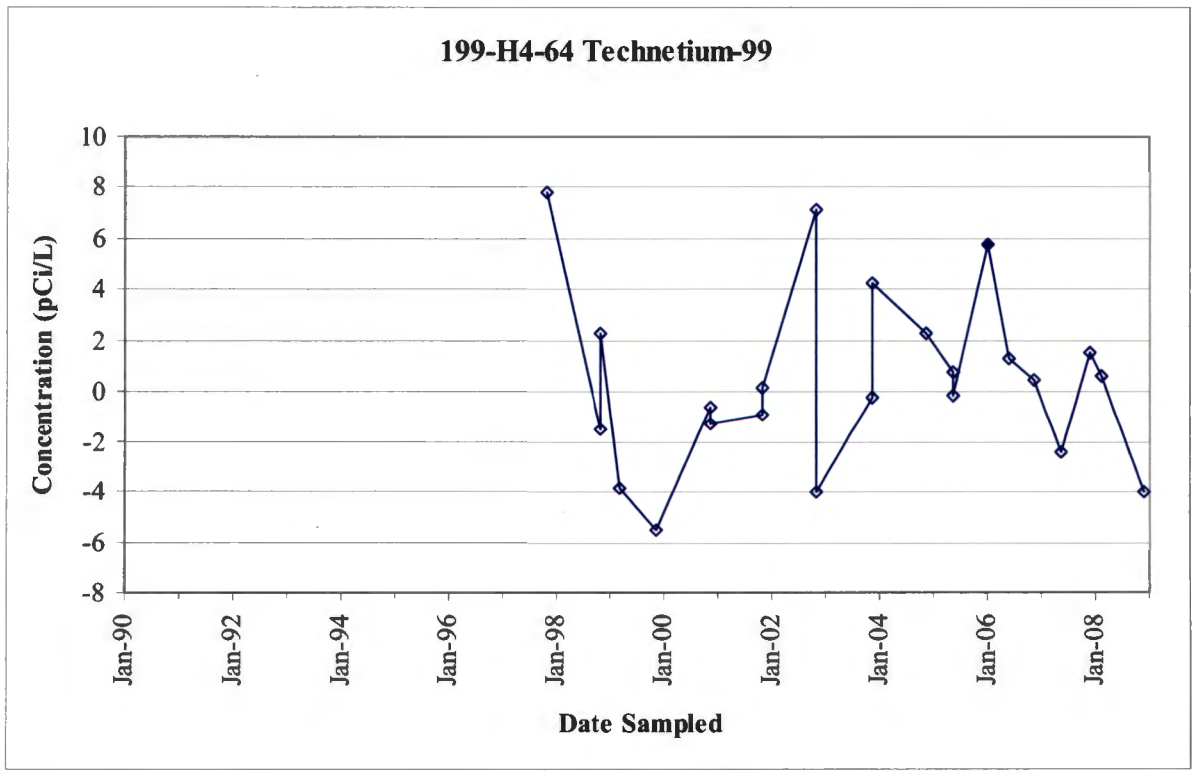

199-H4-3 Technetium-99
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

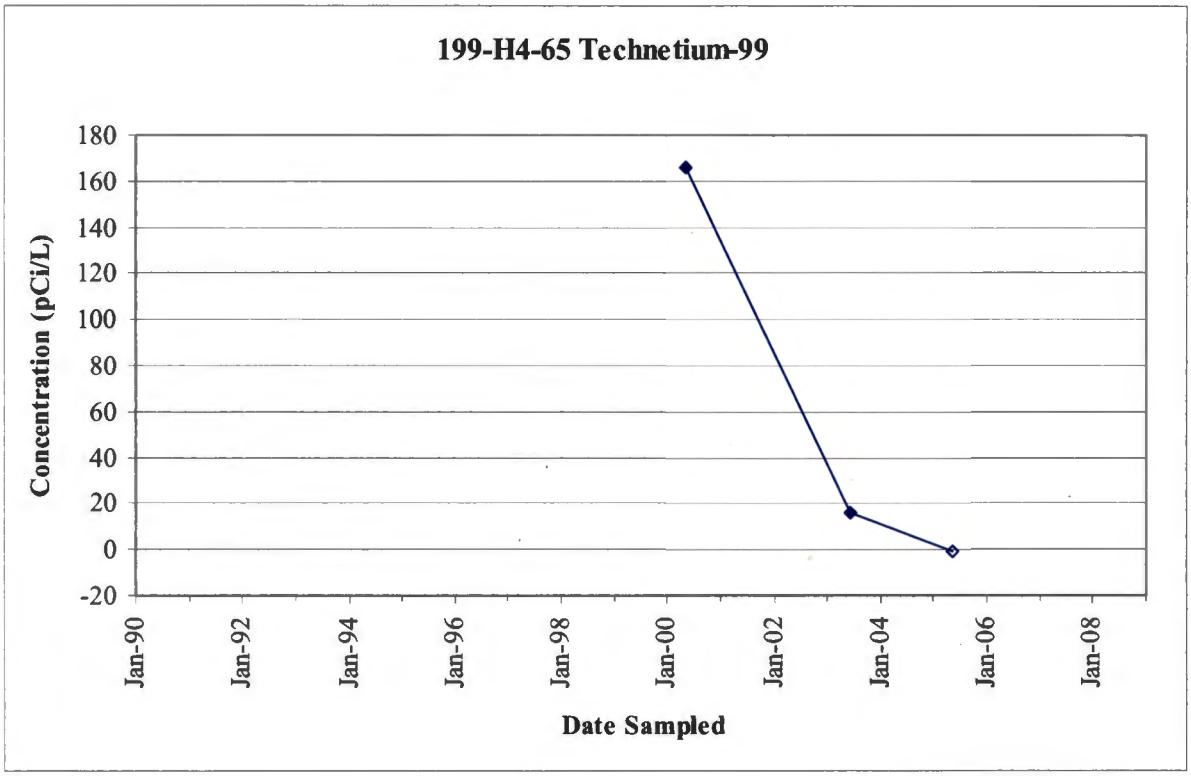

199-H4-4 Technetium-99
Concentration (pCi/L)
1800
1600
1400
1200
1000
800
600
400
200
0
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-46 Technetium-99
Concentration (pCi/L)
6
5
4
3
2
1
0
-1
-2
-3
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-5 Technetium-99
Concentration (pCi/L)
1200
1000
800
600
400
200
0
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-63 Technetium-99
Concentration (pCi/L)
35
30
25
20
15
10
5
0
-5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-64 Technetium-99
Concentration (pCi/L)
10
8
6
4
2
0
-2
-4
-6
-8
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-65 Technetium-99
Concentration (pCi/L)
180
160
140
120
100
80
60
40
20
0
-20
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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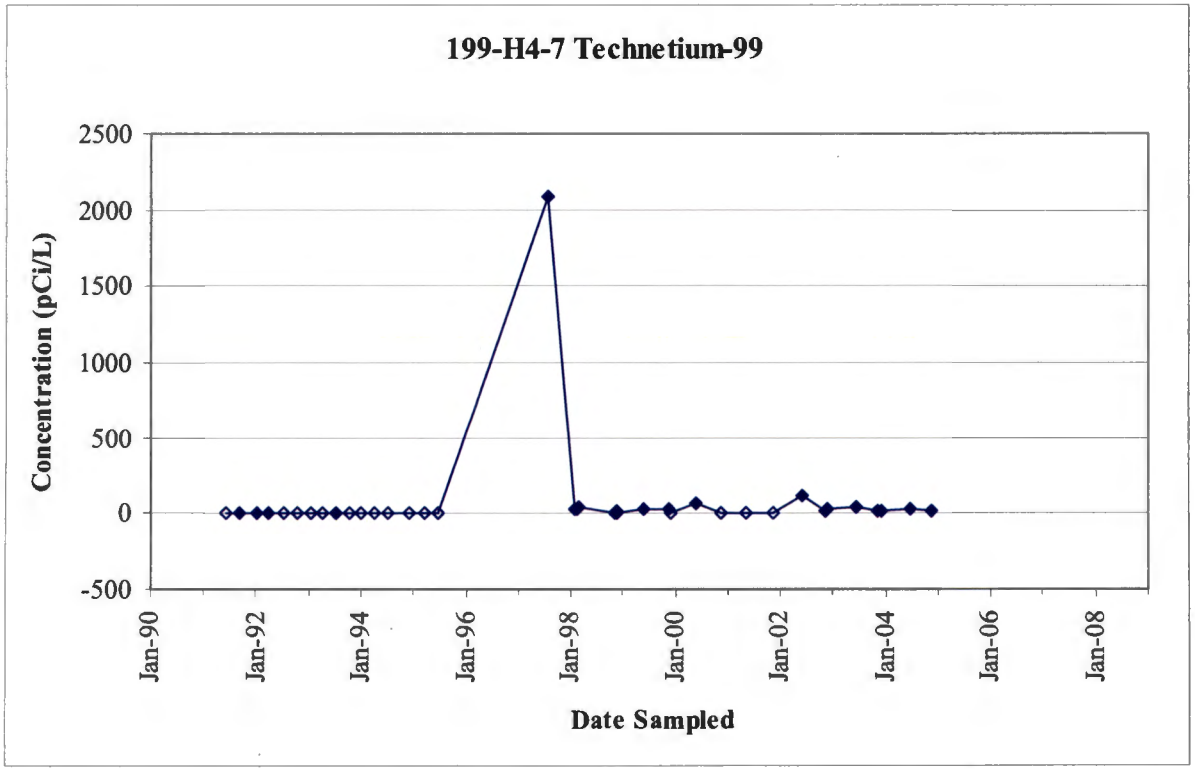
Jan-06
Jan-08
Date Sampled


199-H4-7 Technetium-99
Concentration (pCi/L)
2500
2000
1500
1000
500
0
-500
Jan-90
Jan-92
Jan-94
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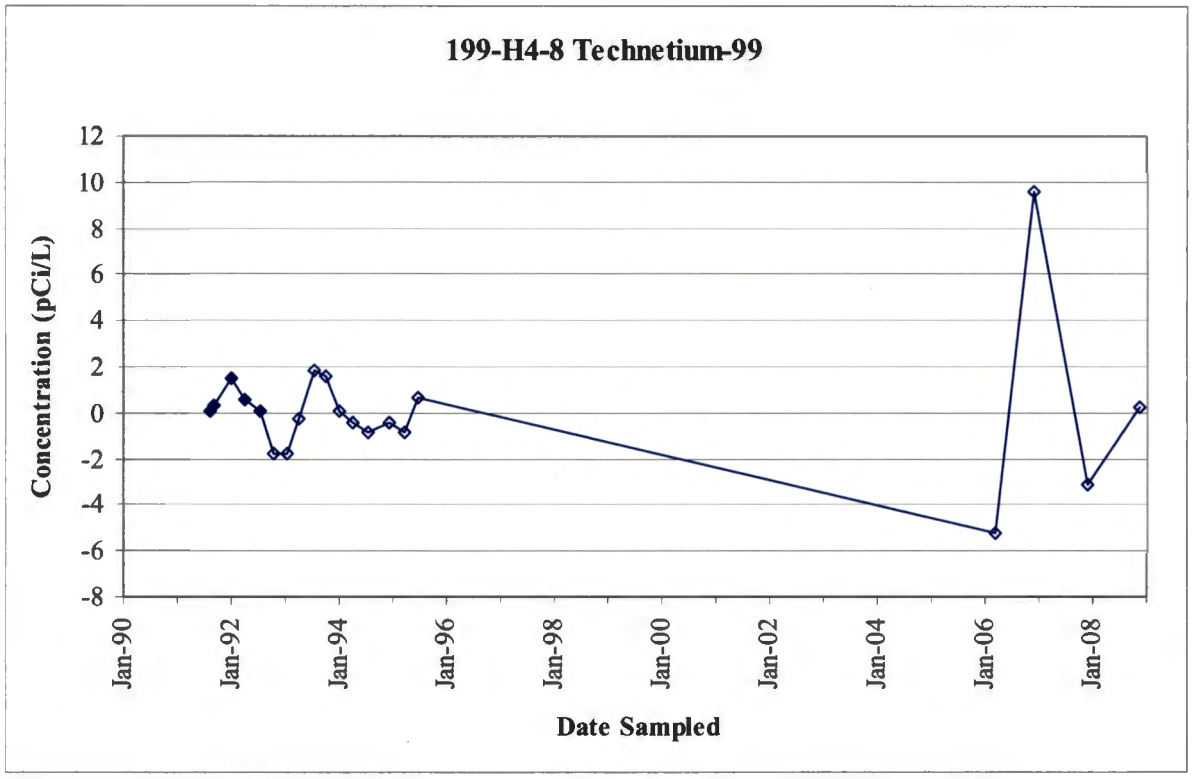
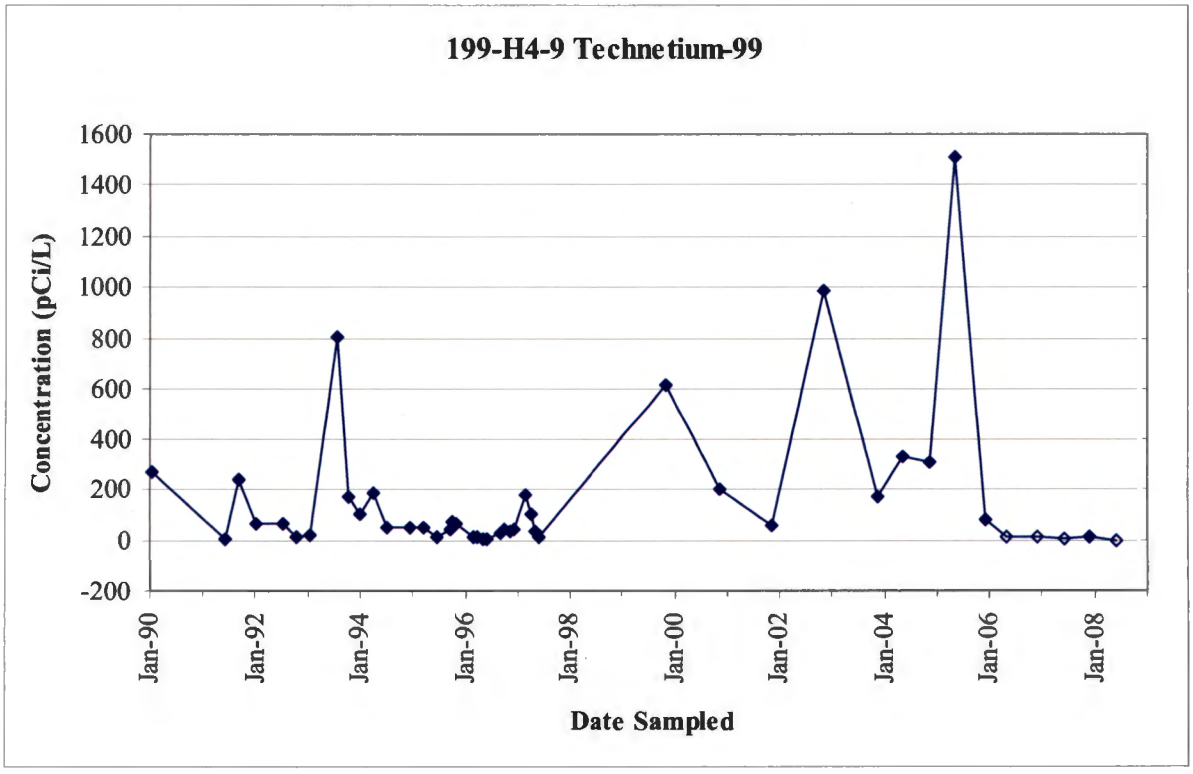
Jan-06
Jan-08
Date Sampled


199-H4-8 Technetium-99
Concentration (pCi/L)
12
10
8
6
4
2
0
-2
-4
-6
-8
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-9 Technetium-99
Concentration (pCi/L)
1600
1400
1200
1000
800
600
400
200
0
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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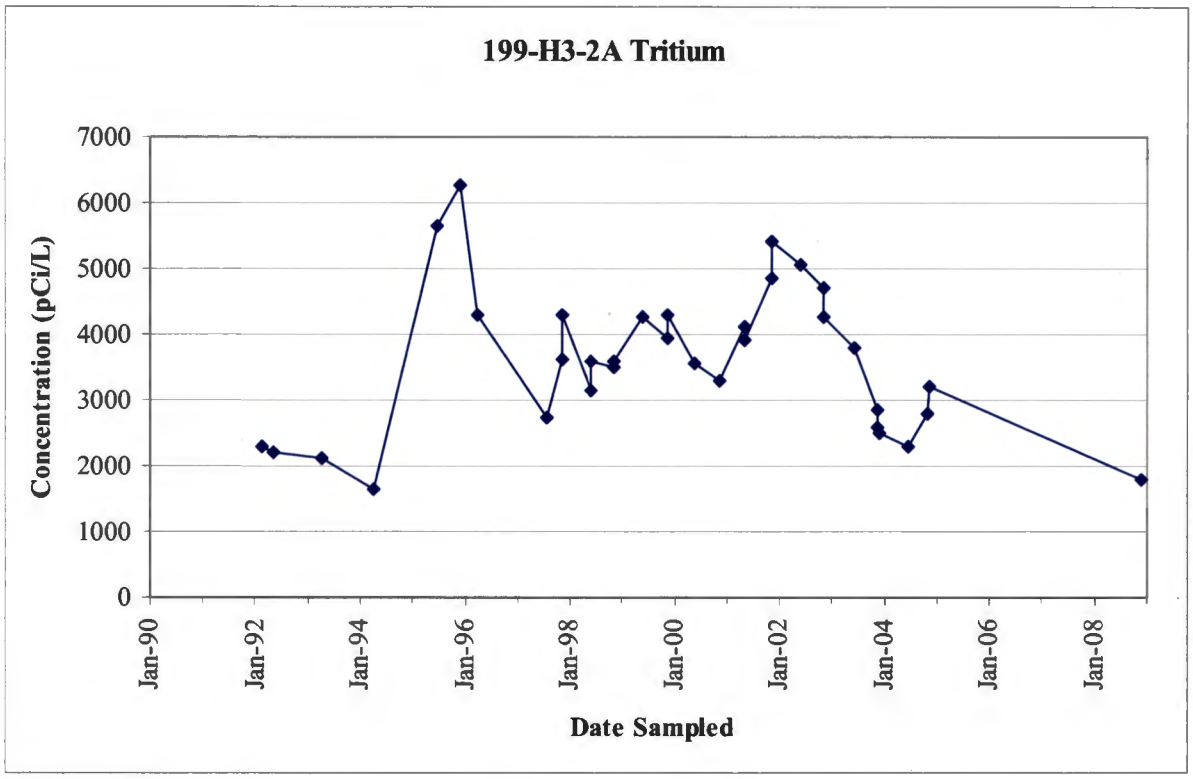
Jan-06
Jan-08
Date Sampled


199-H3-2A Tritium
Concentration (pCi/L)
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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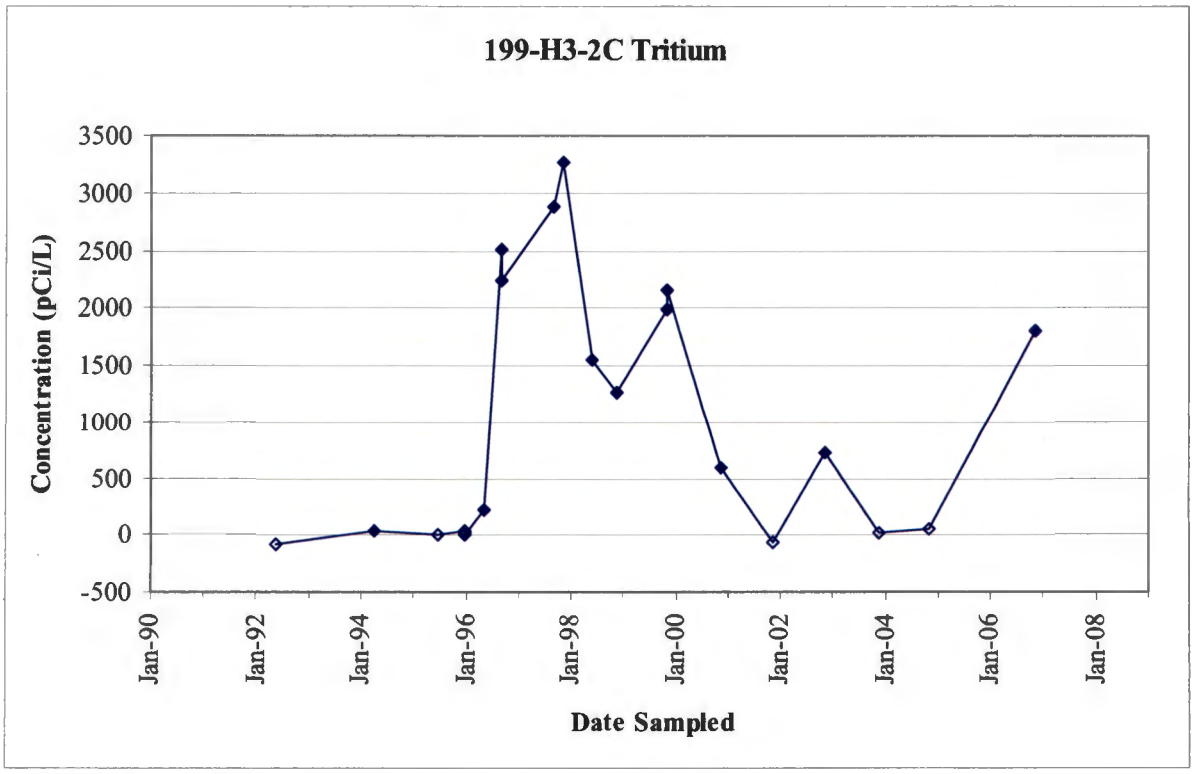
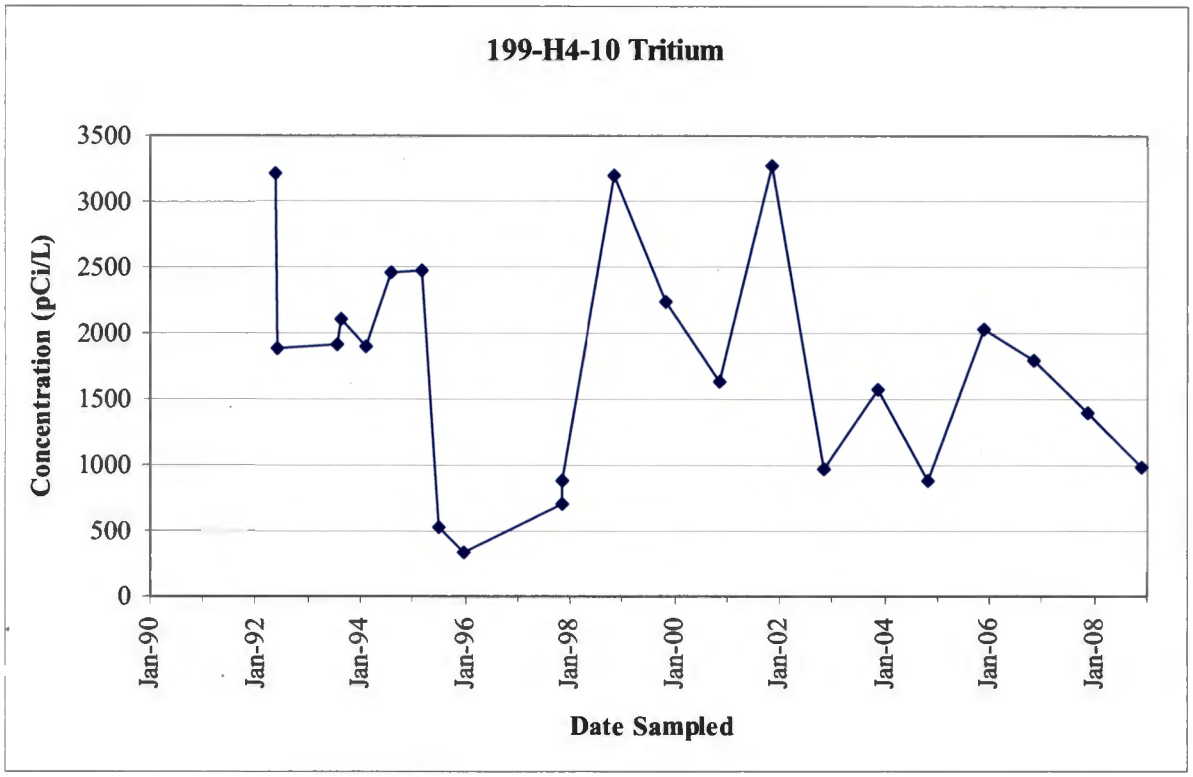
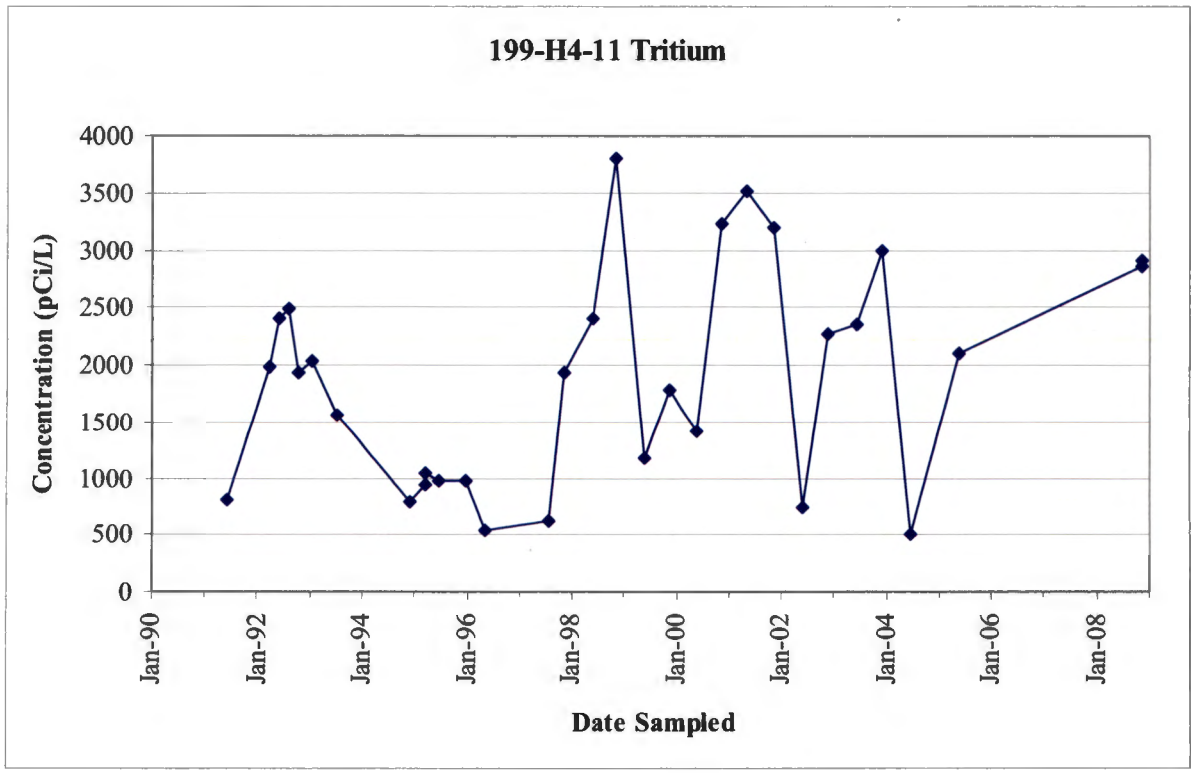
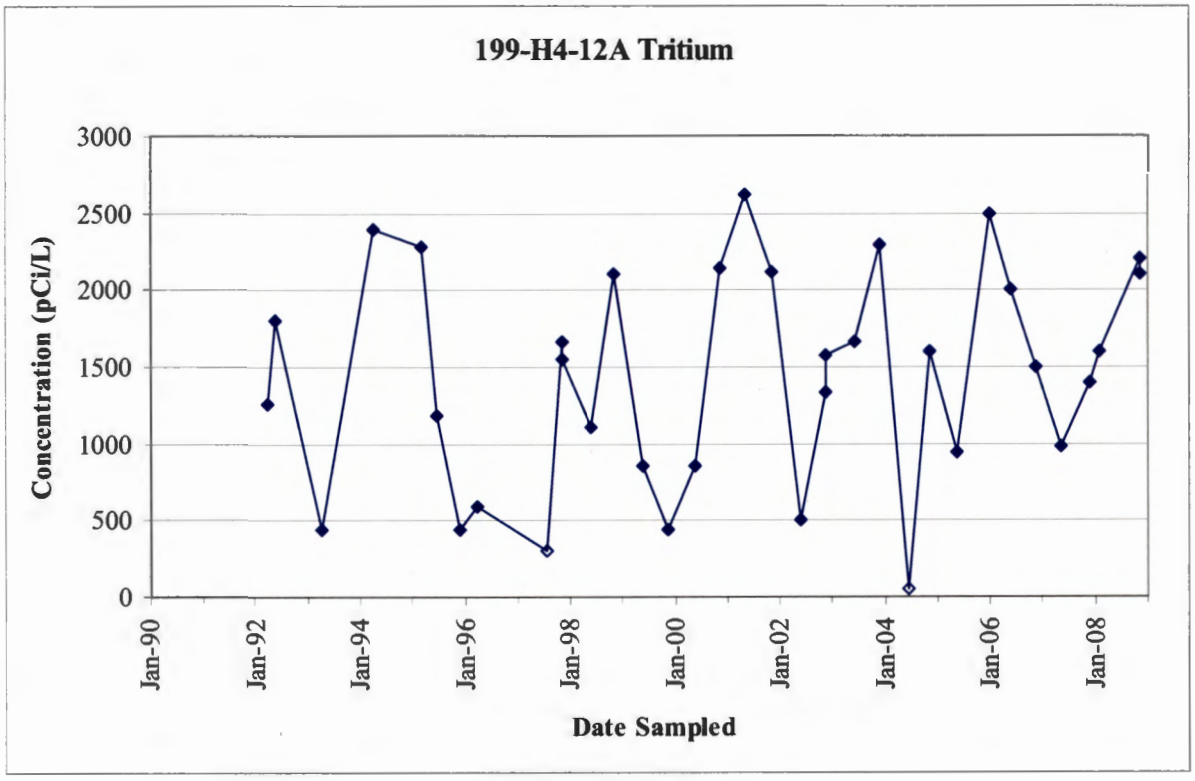
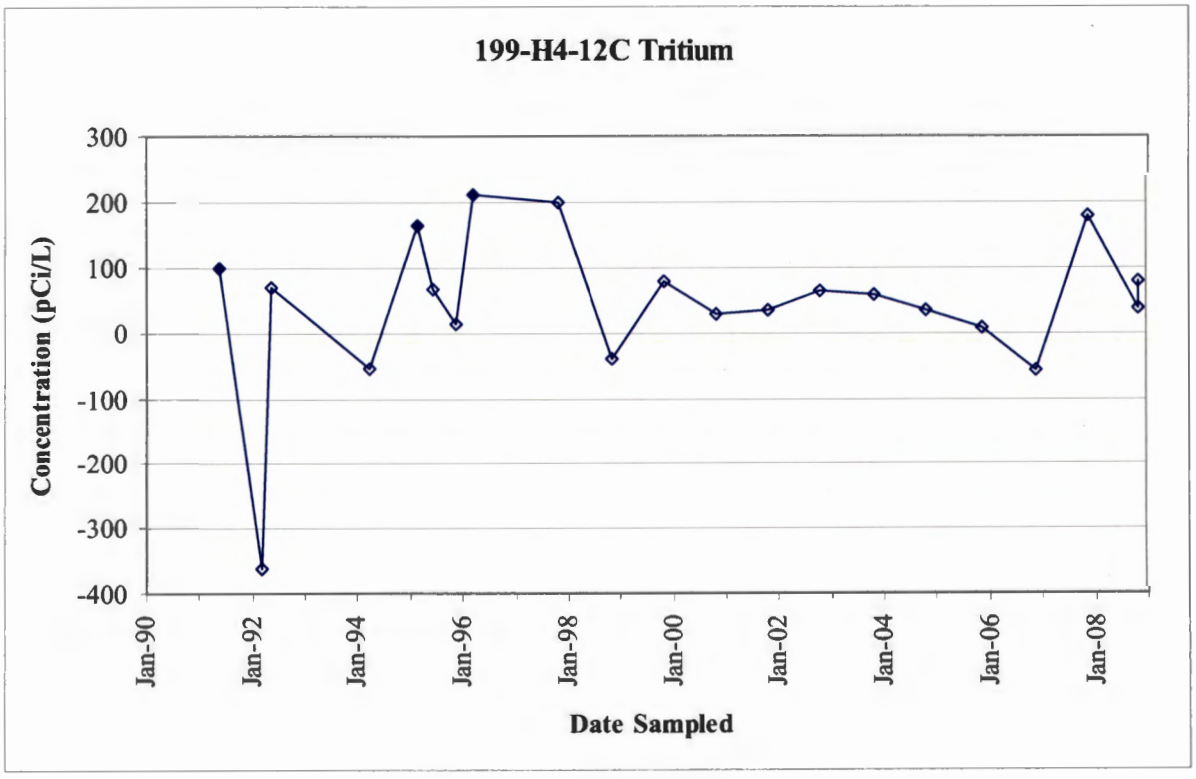
Jan-08
Date Sampled

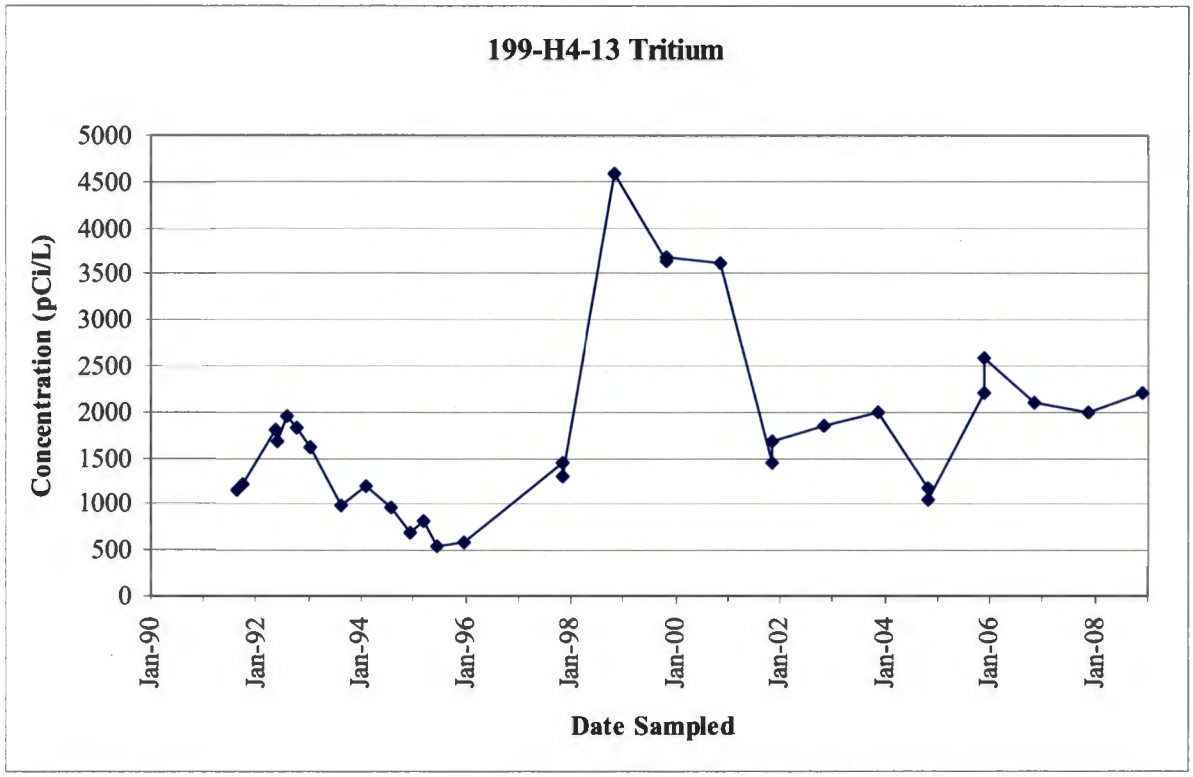

199-H3-2C Tritium
Concentration (pCi/L)
3500
3000
2500
2000
1500
1000
500
0
-500
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-10 Tritium
Concentration (pCi/L)
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-11 Tritium
Concentration (pCi/L)
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-12A Tritium
Concentration (pCi/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-12C Tritium
Concentration (pCi/L)
300
200
100
0
-100
-200
-300
-400
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-13 Tritium
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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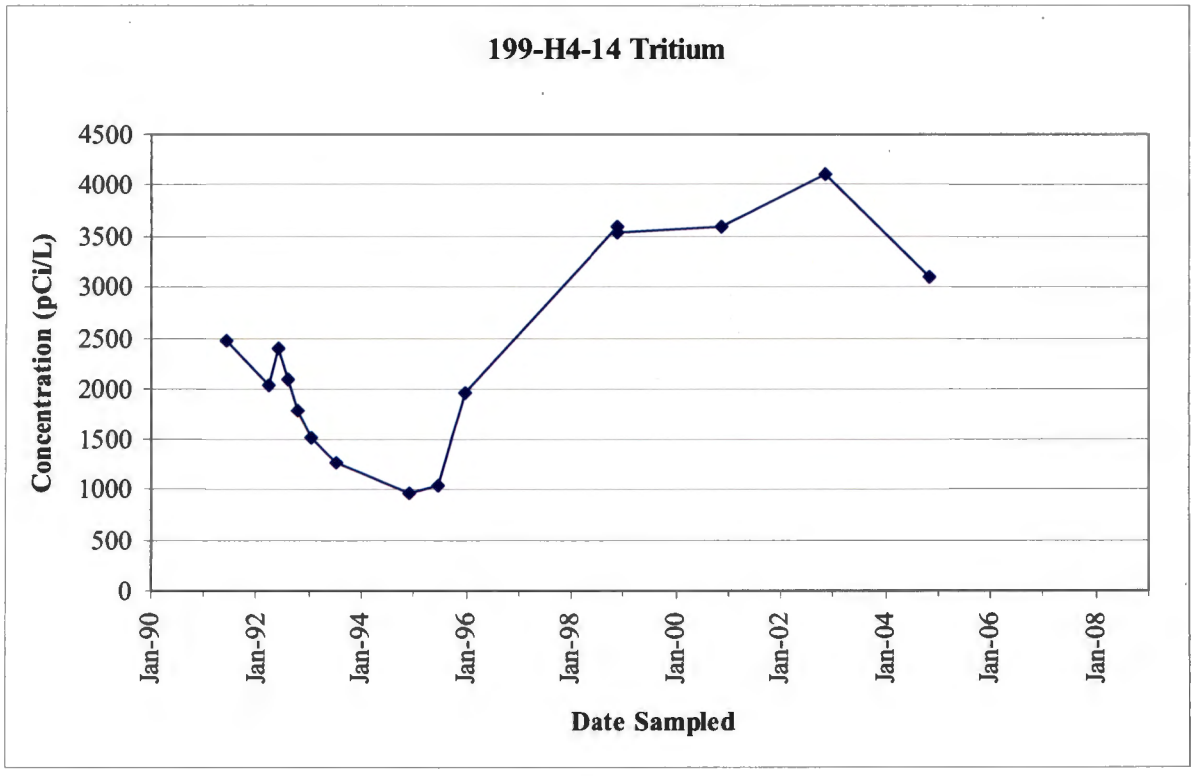
Jan-06
Jan-08
Date Sampled


199-H4-14 Tritium
Concentration (pCi/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
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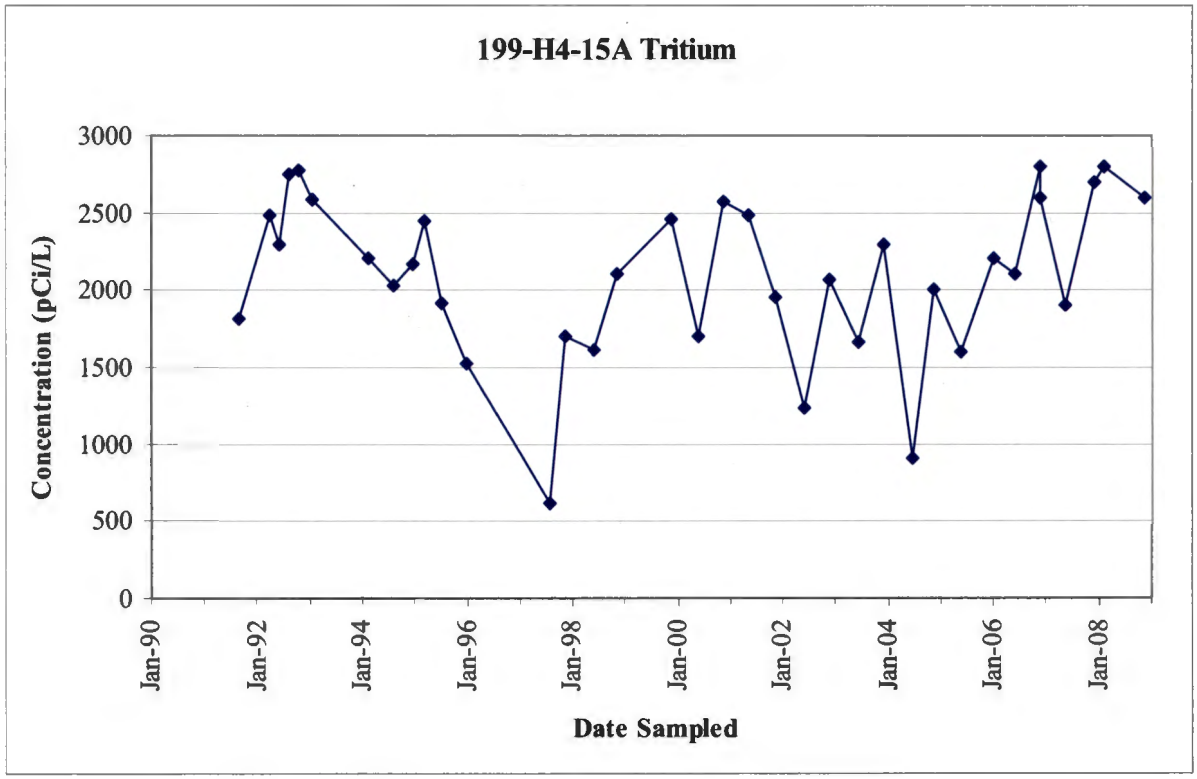
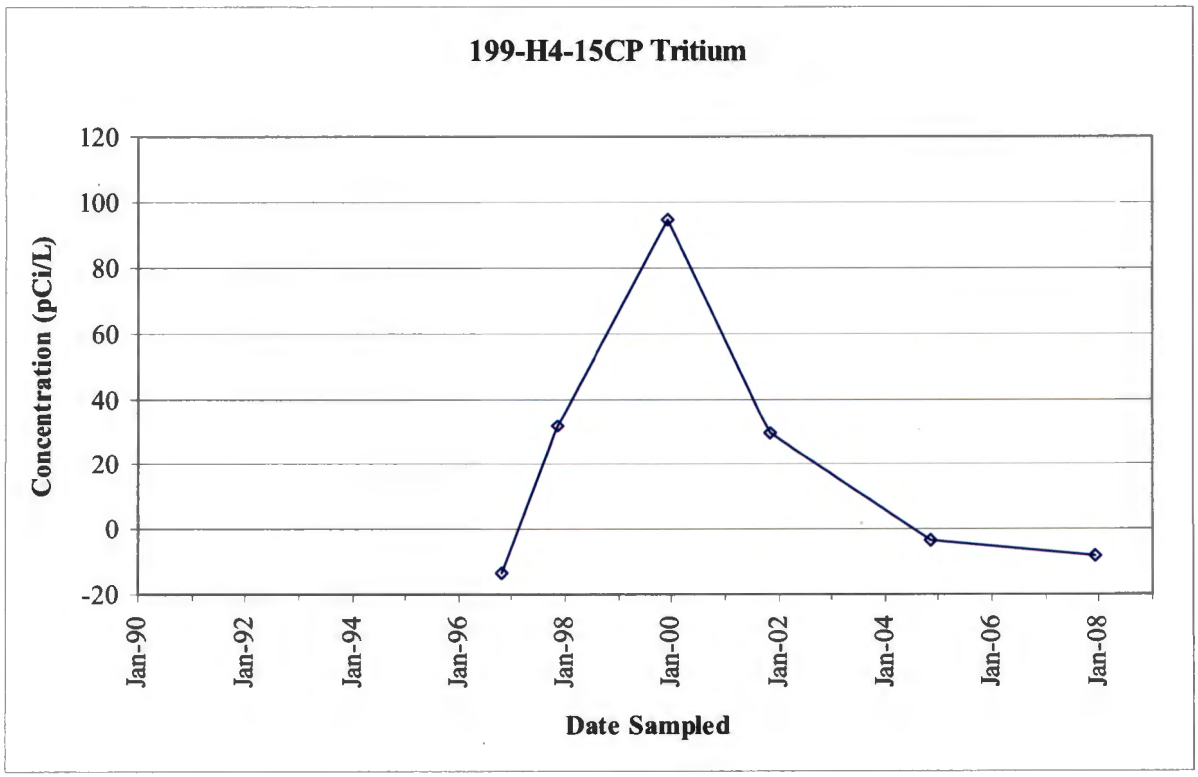
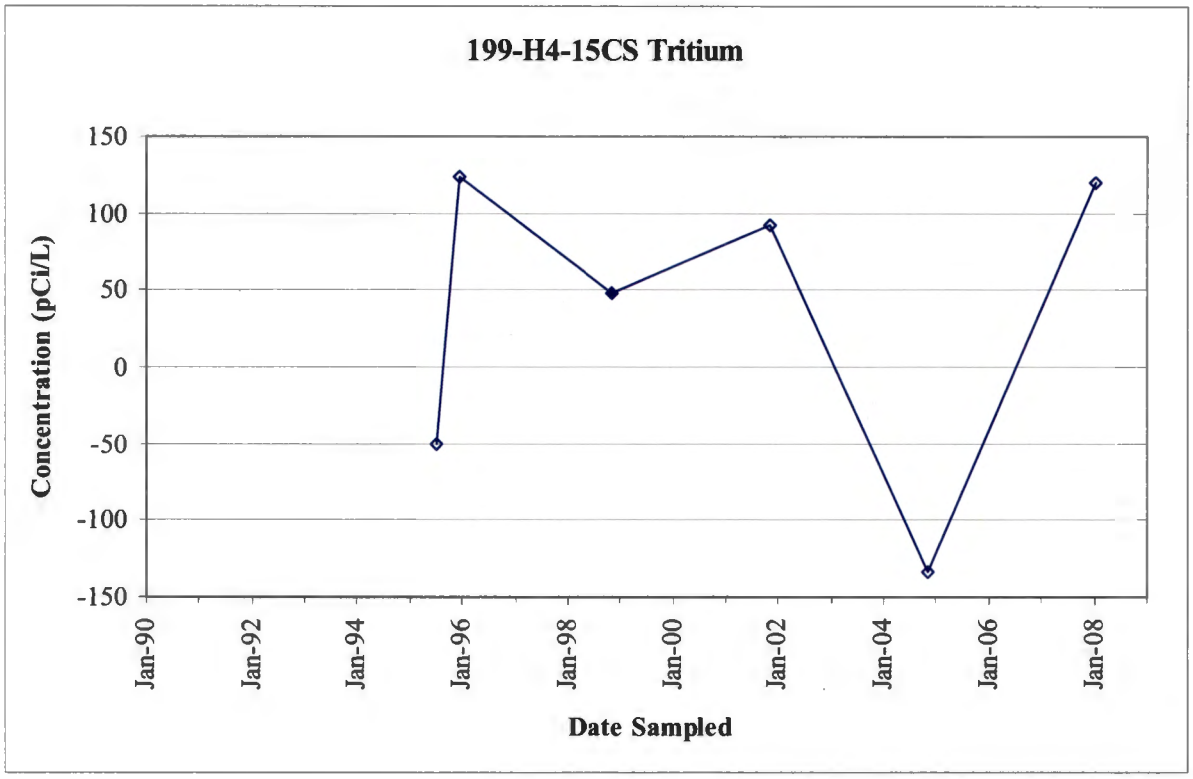
Jan-06
Jan-08
Date Sampled


199-H4-15A Tritium
Concentration (pCi/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-15CP Tritium
Concentration (pCi/L)
120
100
80
60
40
20
0
-20
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-15CS Tritium
Concentration (pCi/L)
150
100
50
0
-50
-100
-150
Jan-90
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Jan-94
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Jan-98
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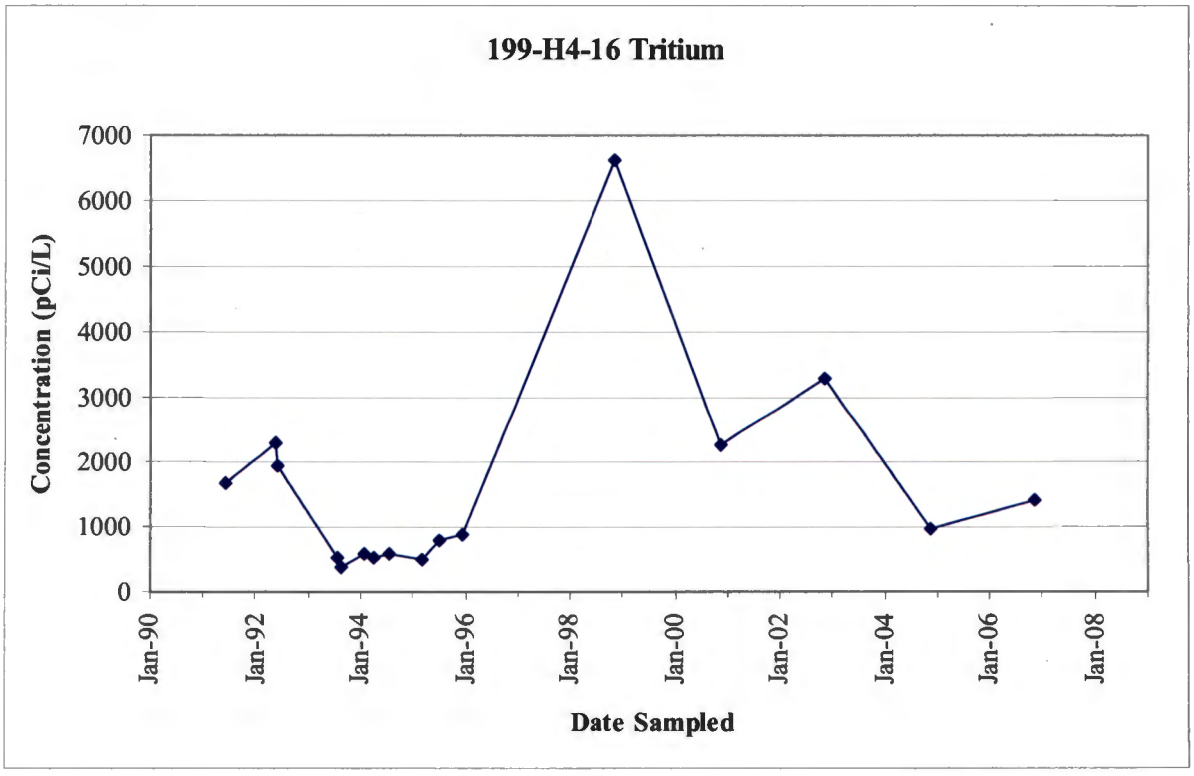
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-16 Tritium
Concentration (pCi/L)
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
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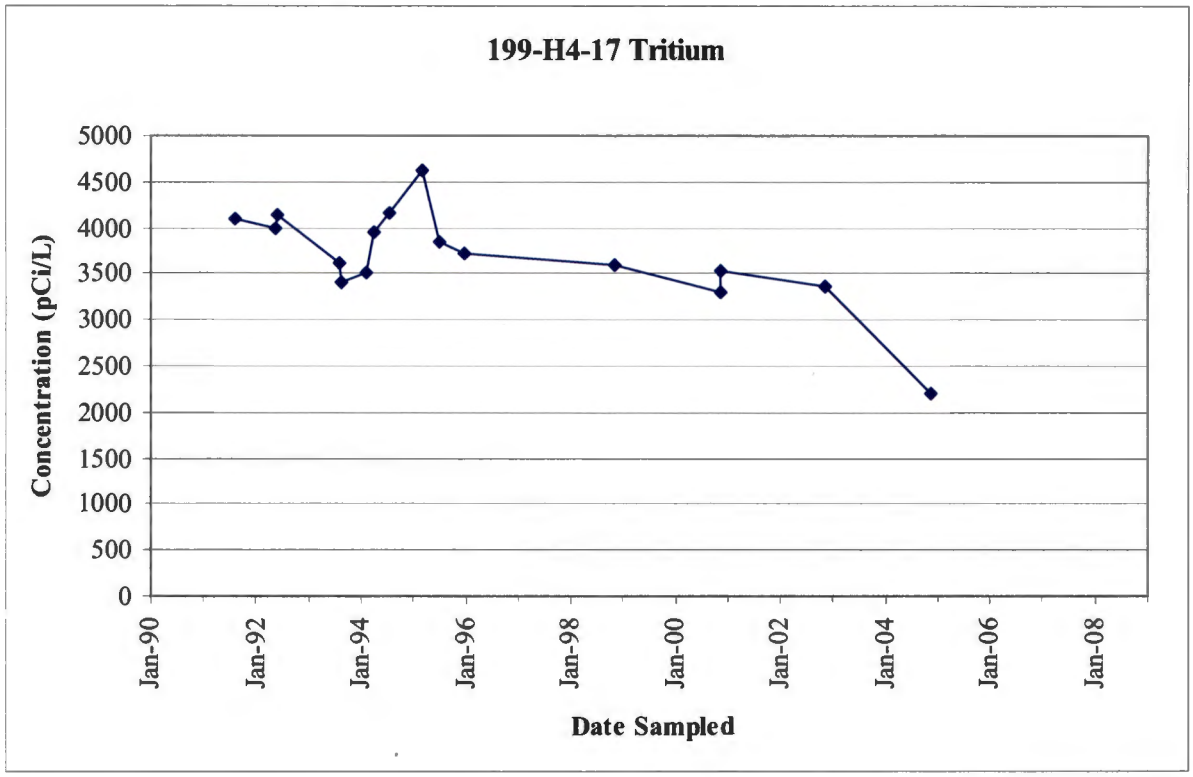
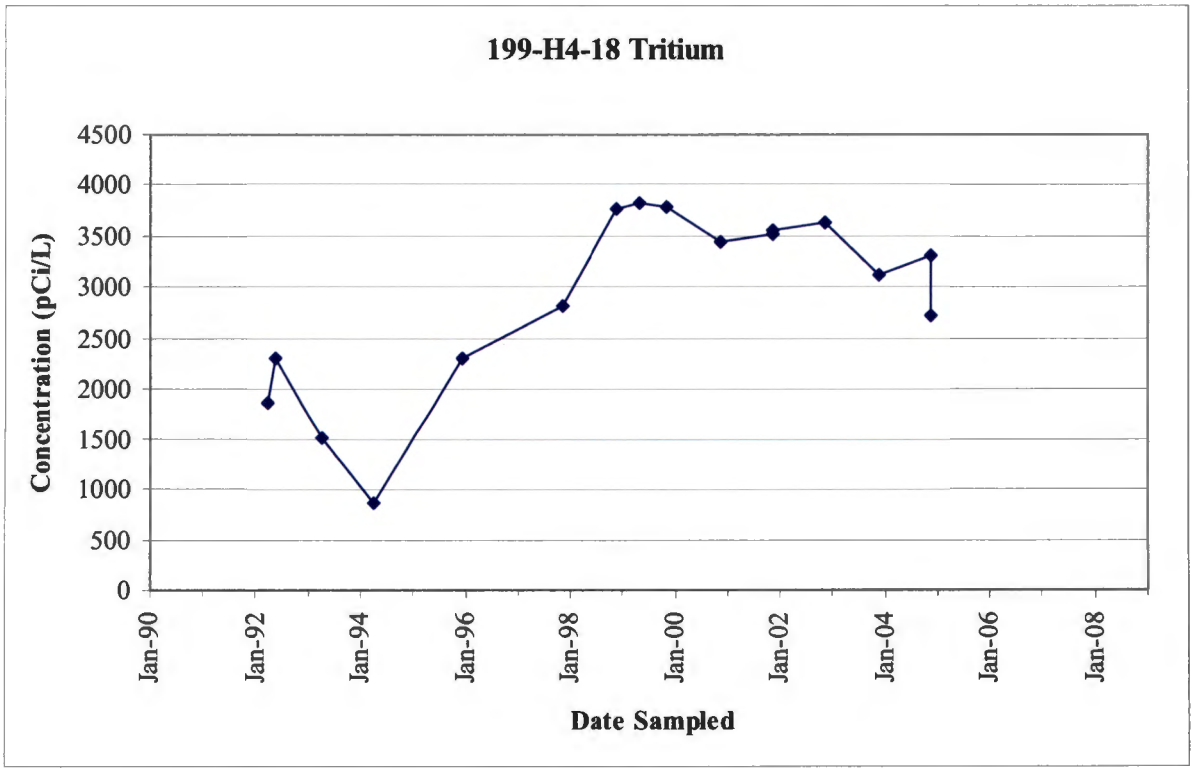
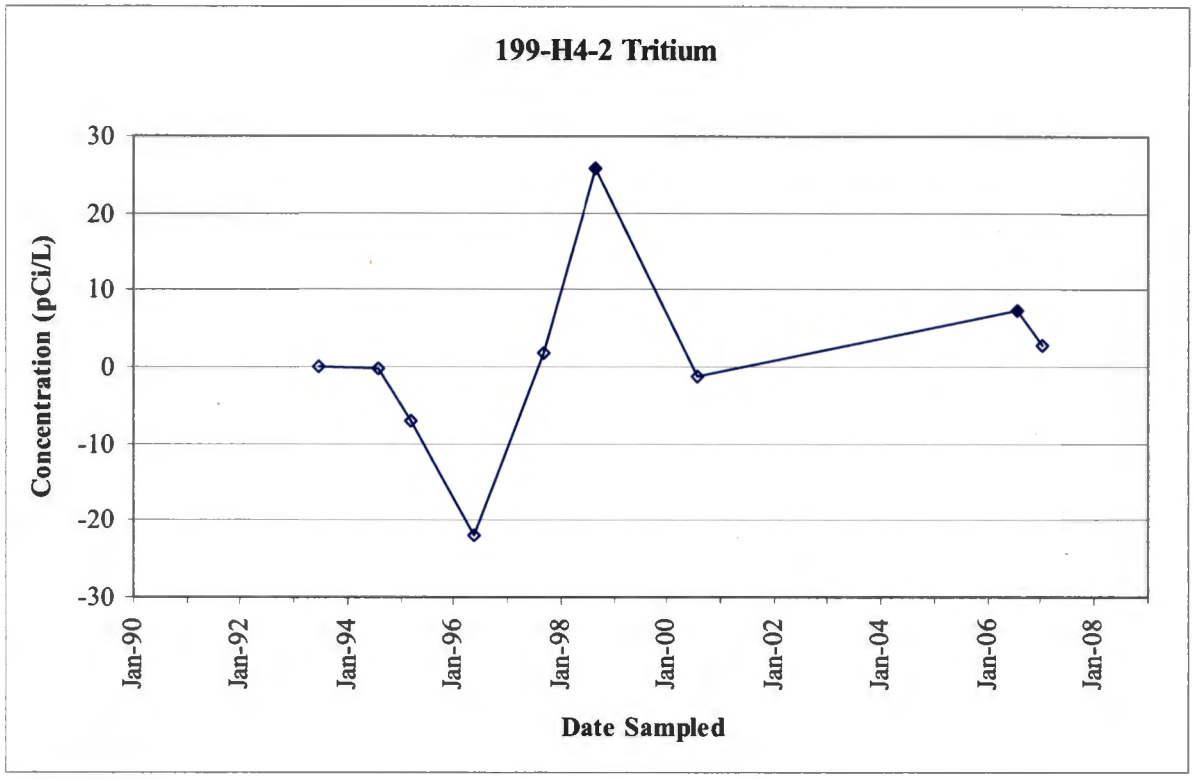
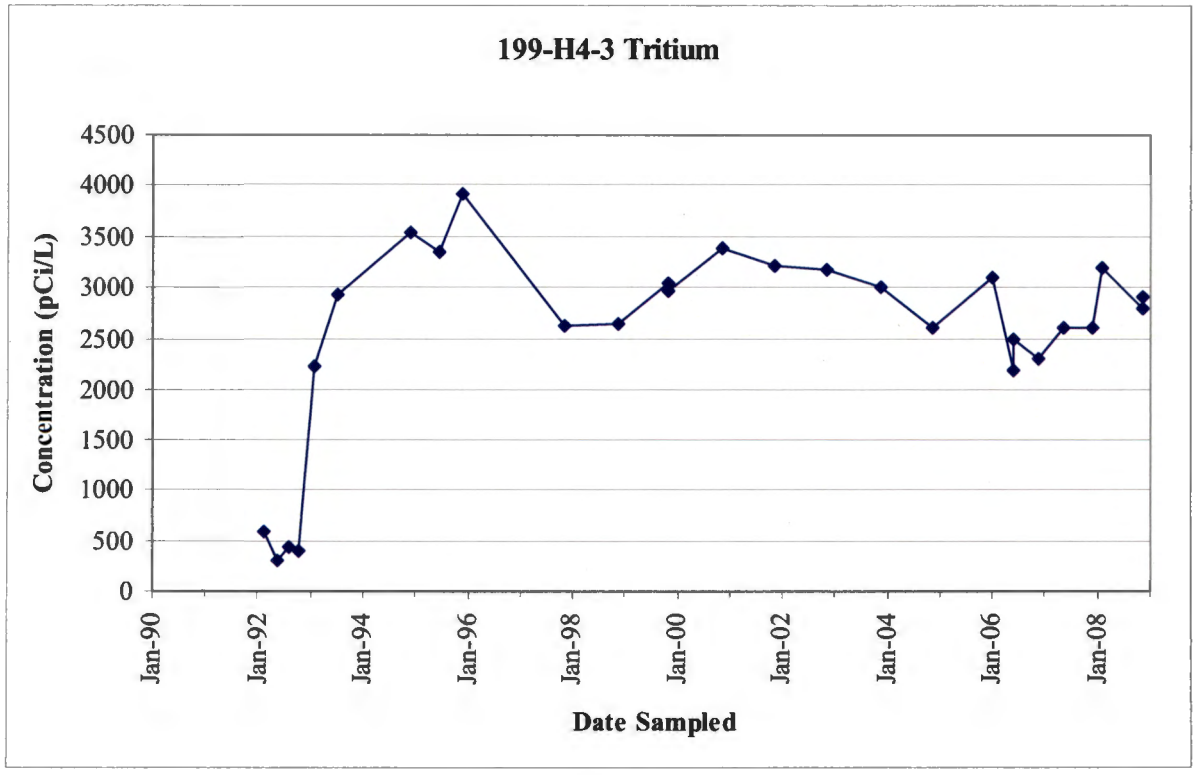
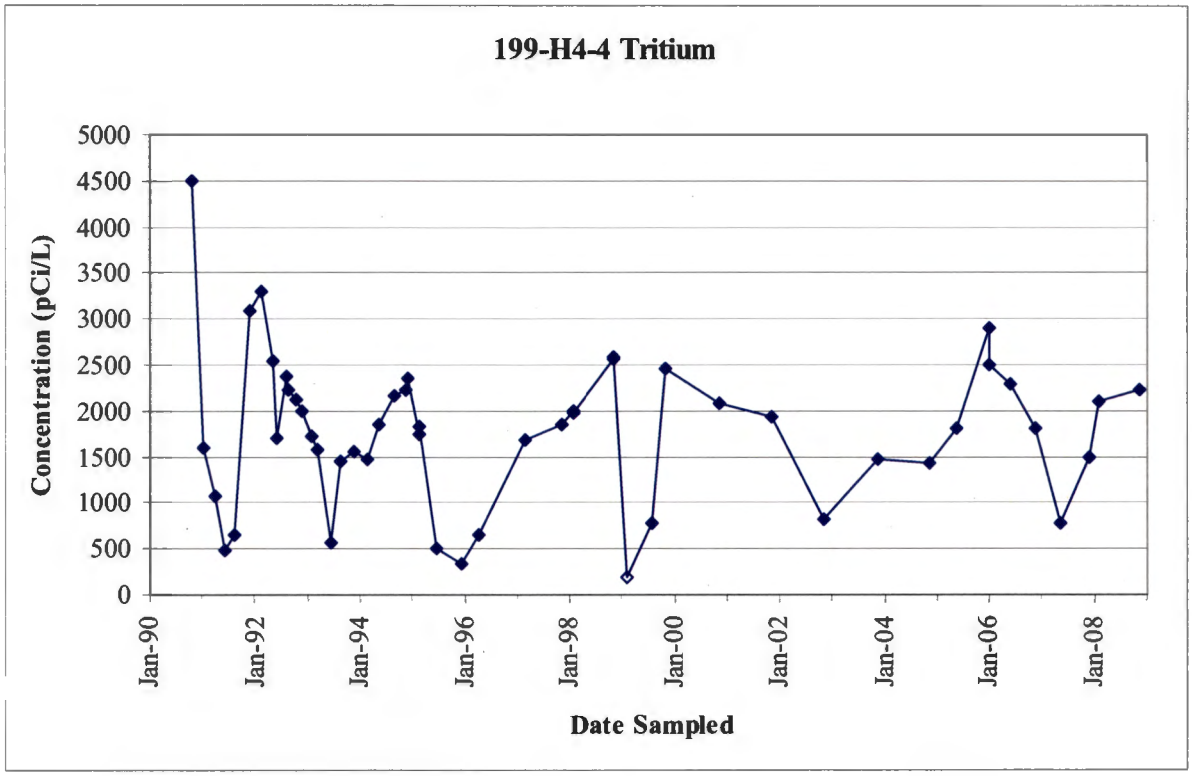
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

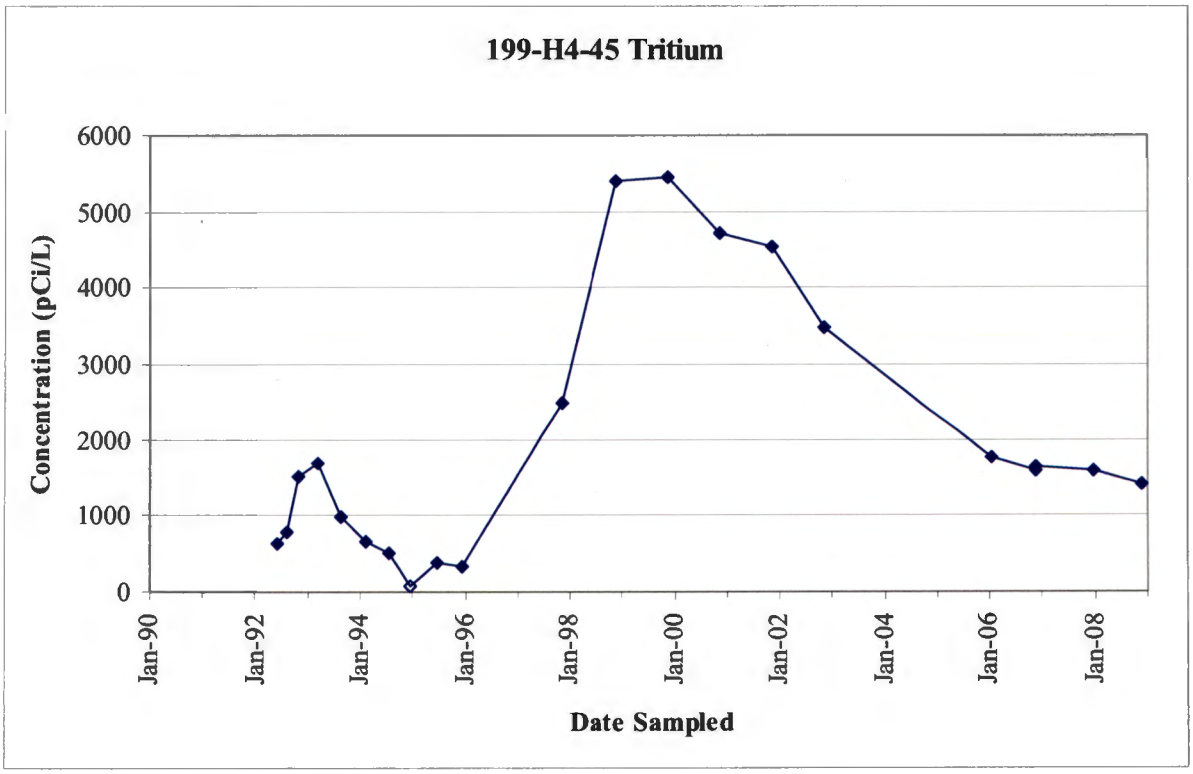

199-H4-17 Tritium
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

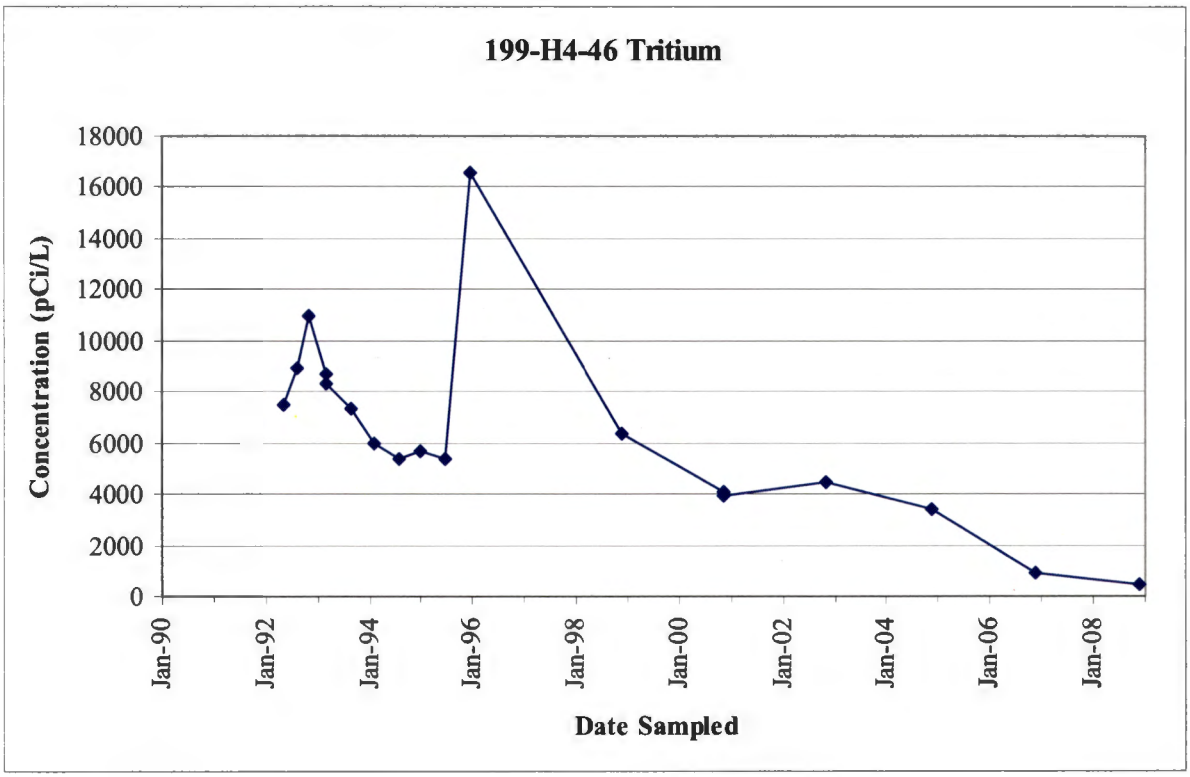

199-H4-18 Tritium
Concentration (pCi/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

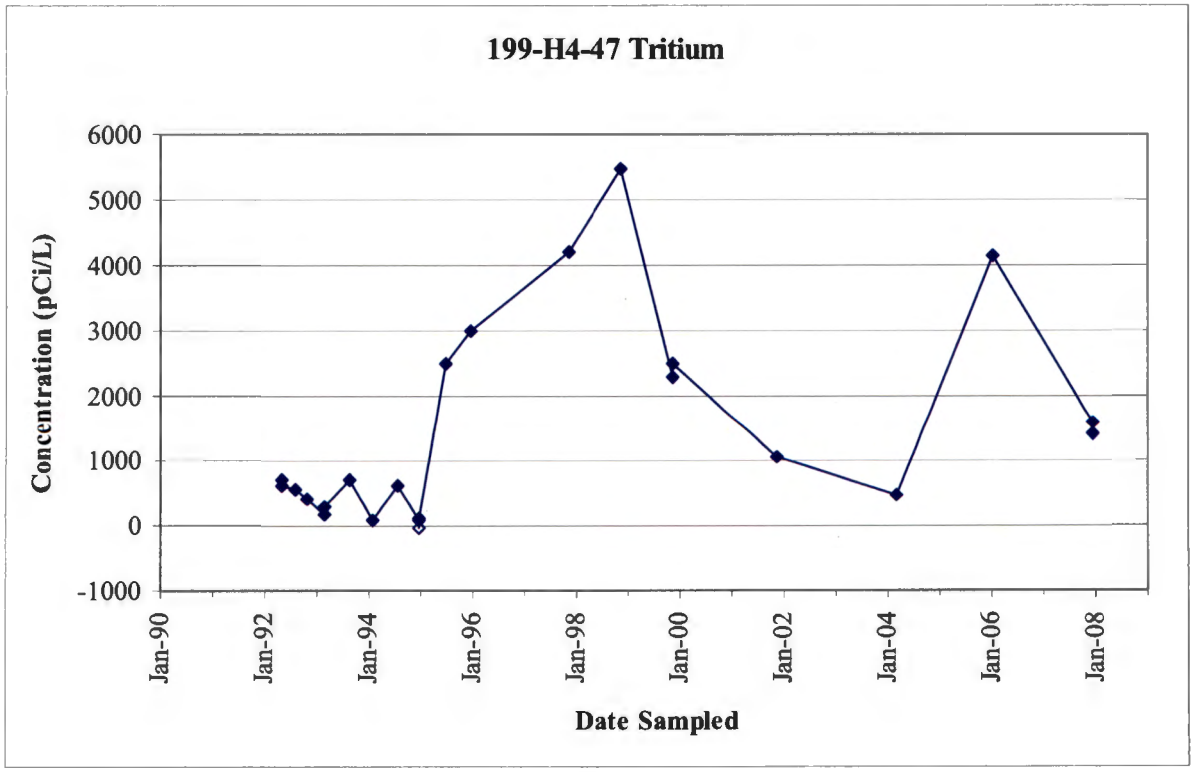

199-H4-2 Tritium
Concentration (pCi/L)
30
20
10
0
-10
-20
-30
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

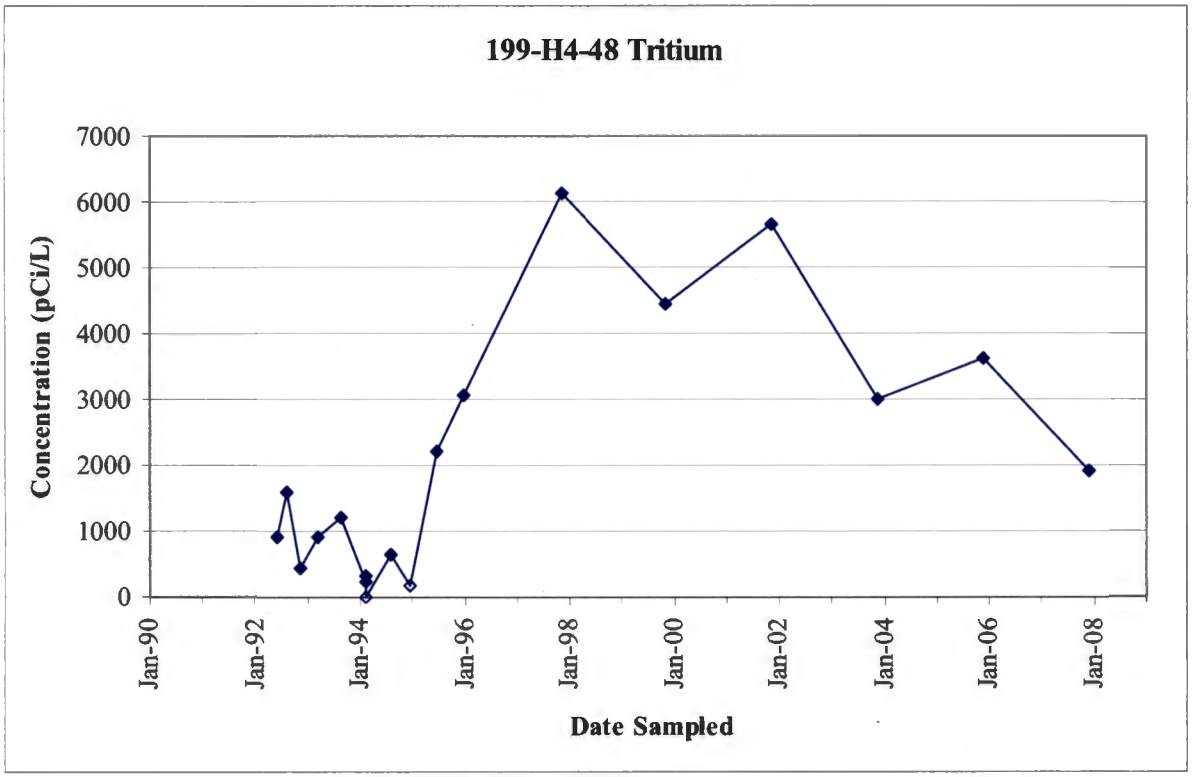

199-H4-3 Tritium
Concentration (pCi/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

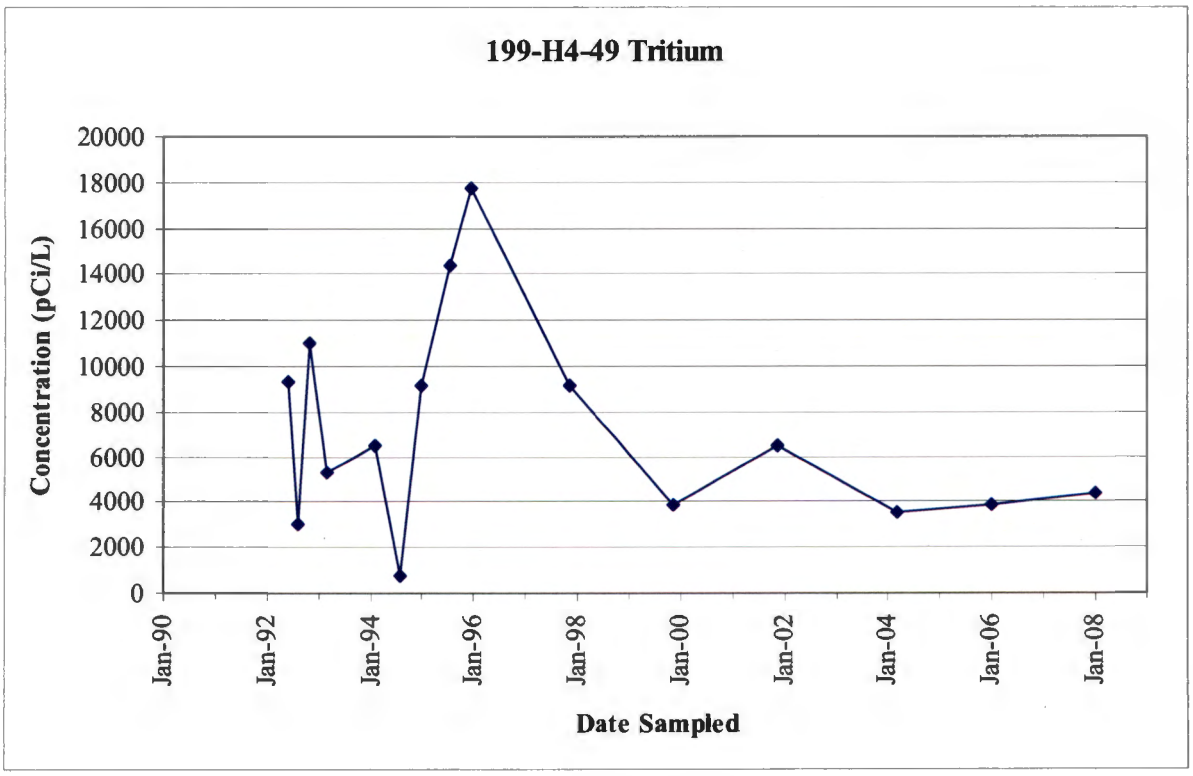

199-H4-4 Tritium
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

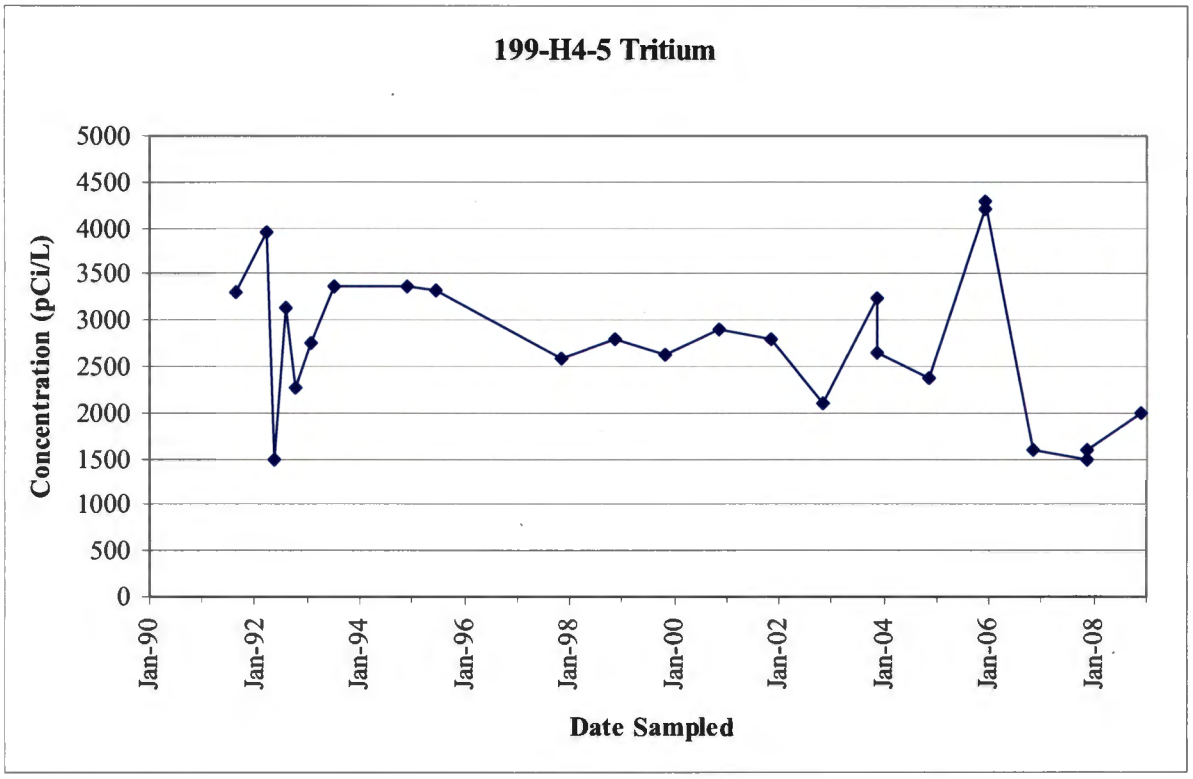

199-H4-45 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

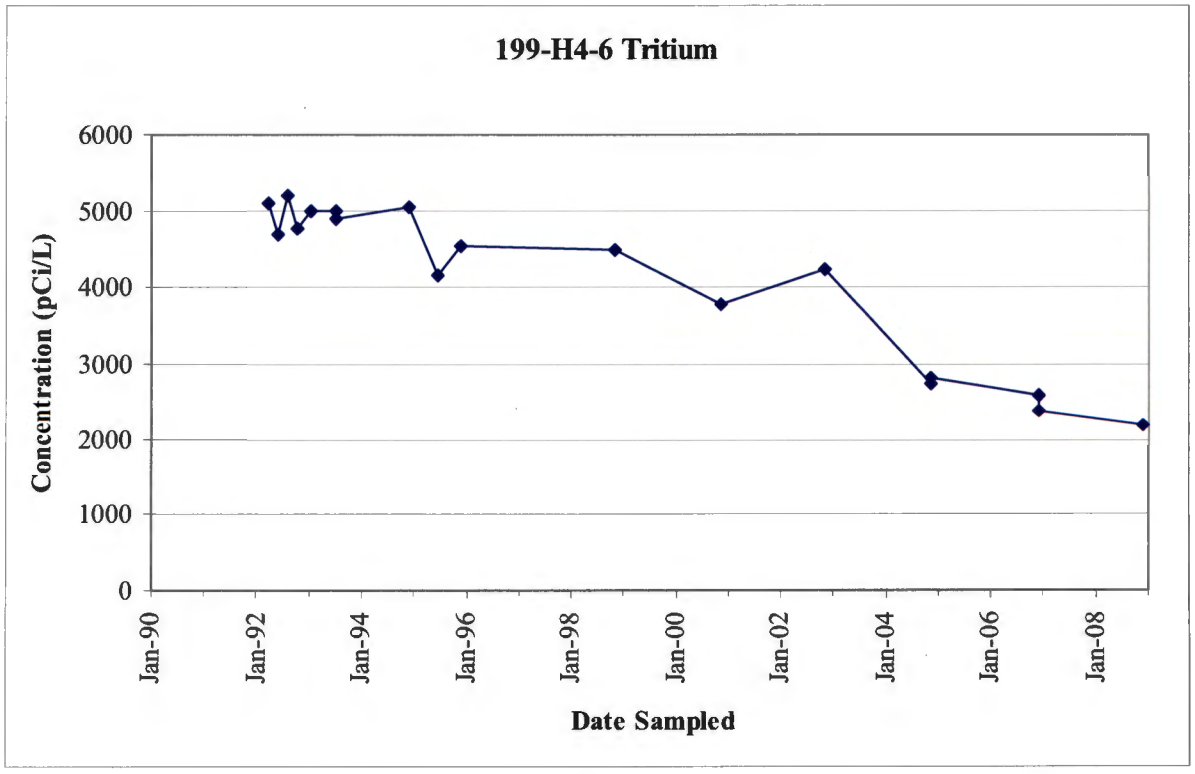

199-H4-46 Tritium
Concentration (pCi/L)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

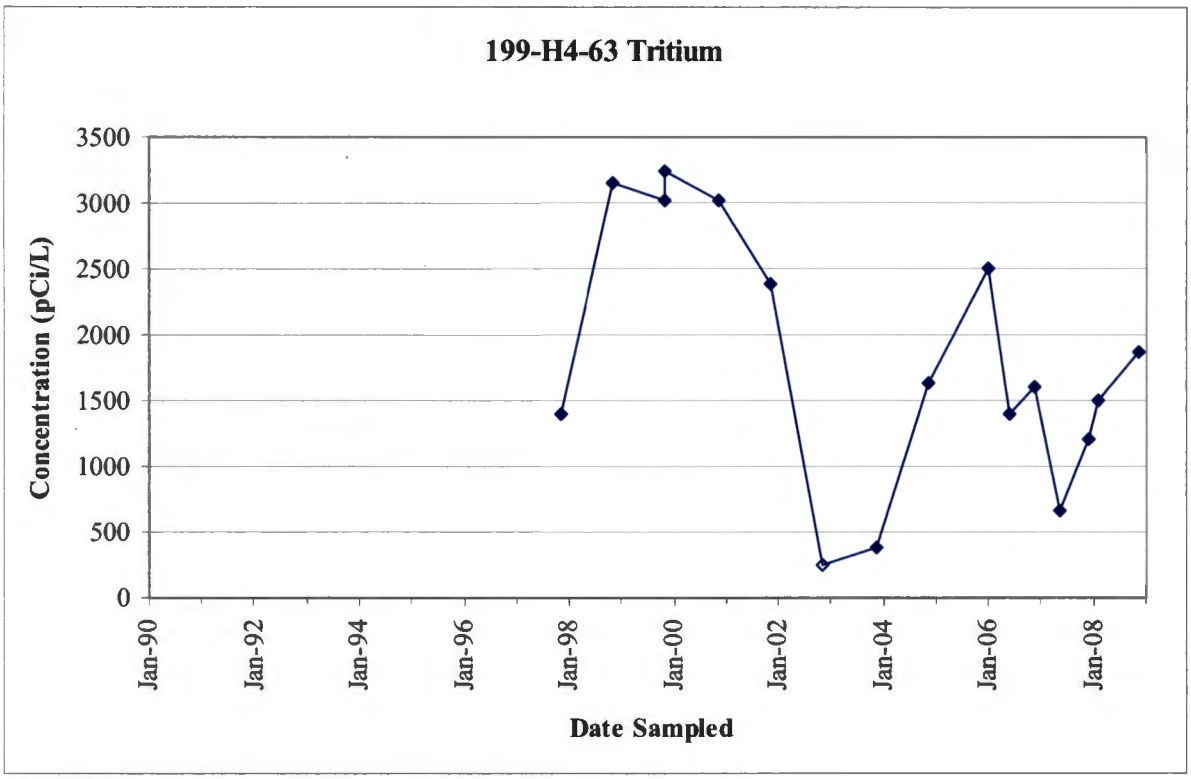

199-H4-47 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
-1000
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

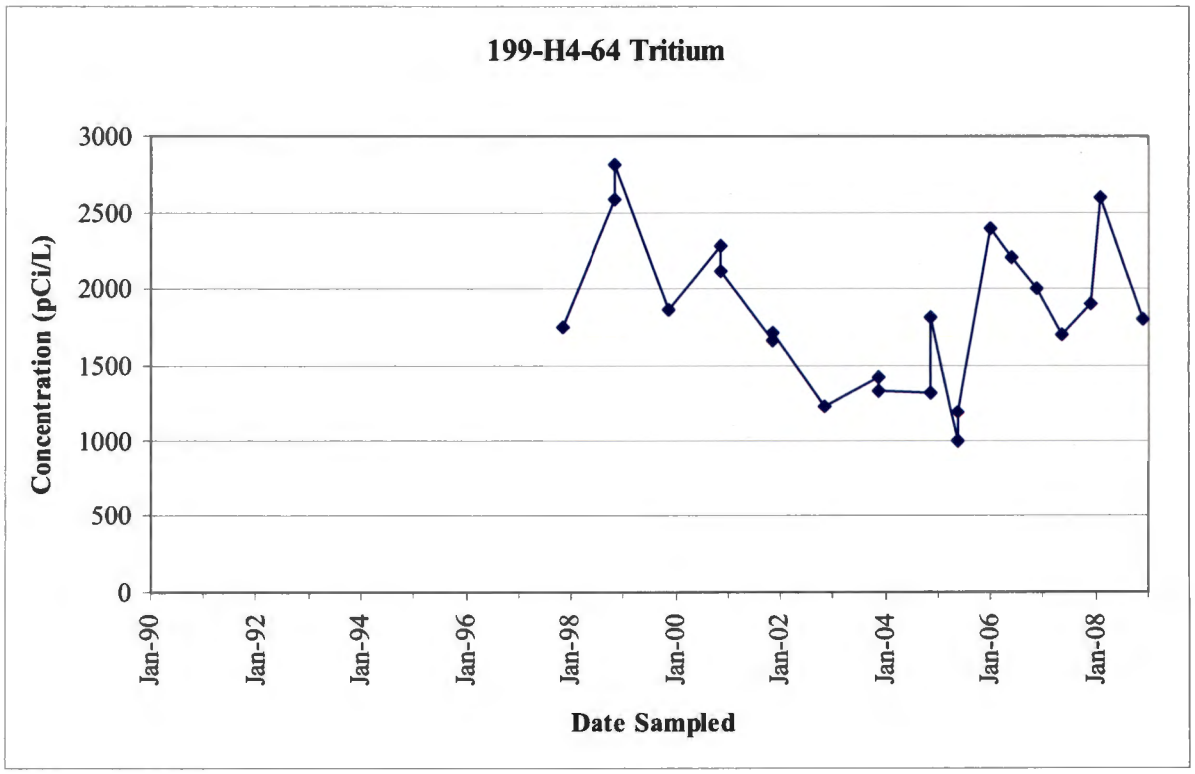

199-H4-48 Tritium
Concentration (pCi/L)
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

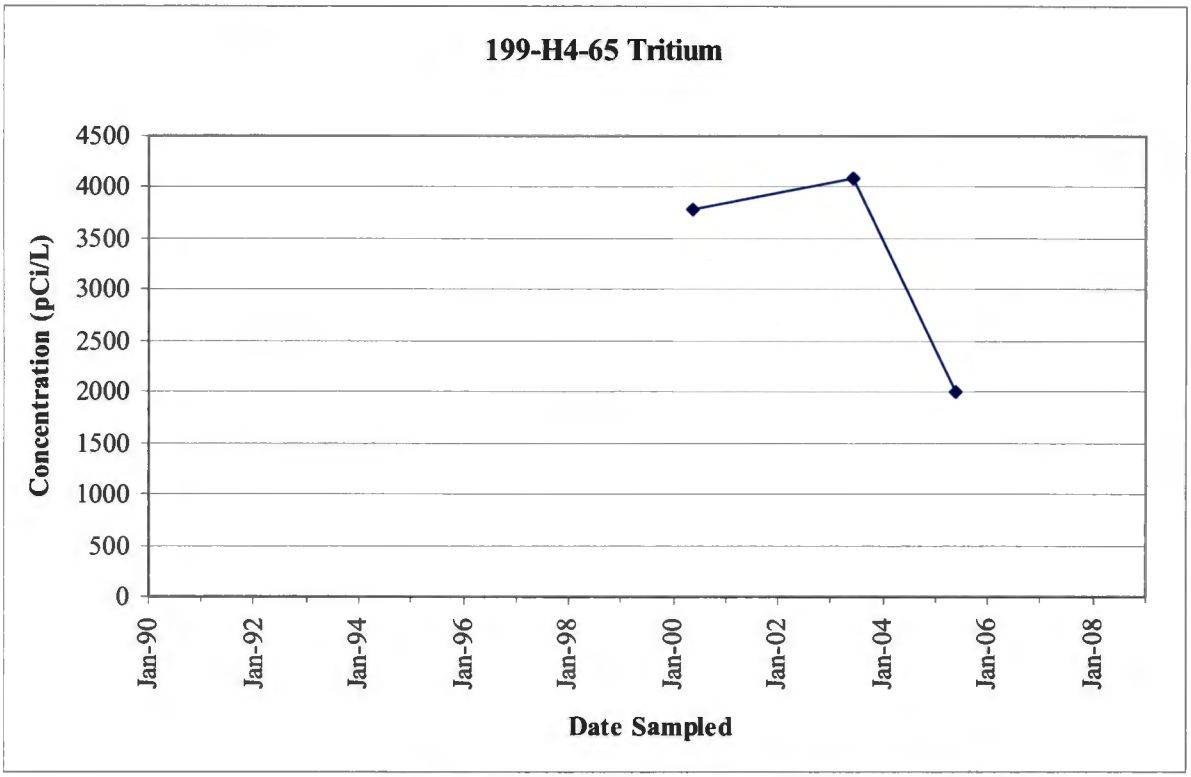

199-H4-49 Tritium
Concentration (pCi/L)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

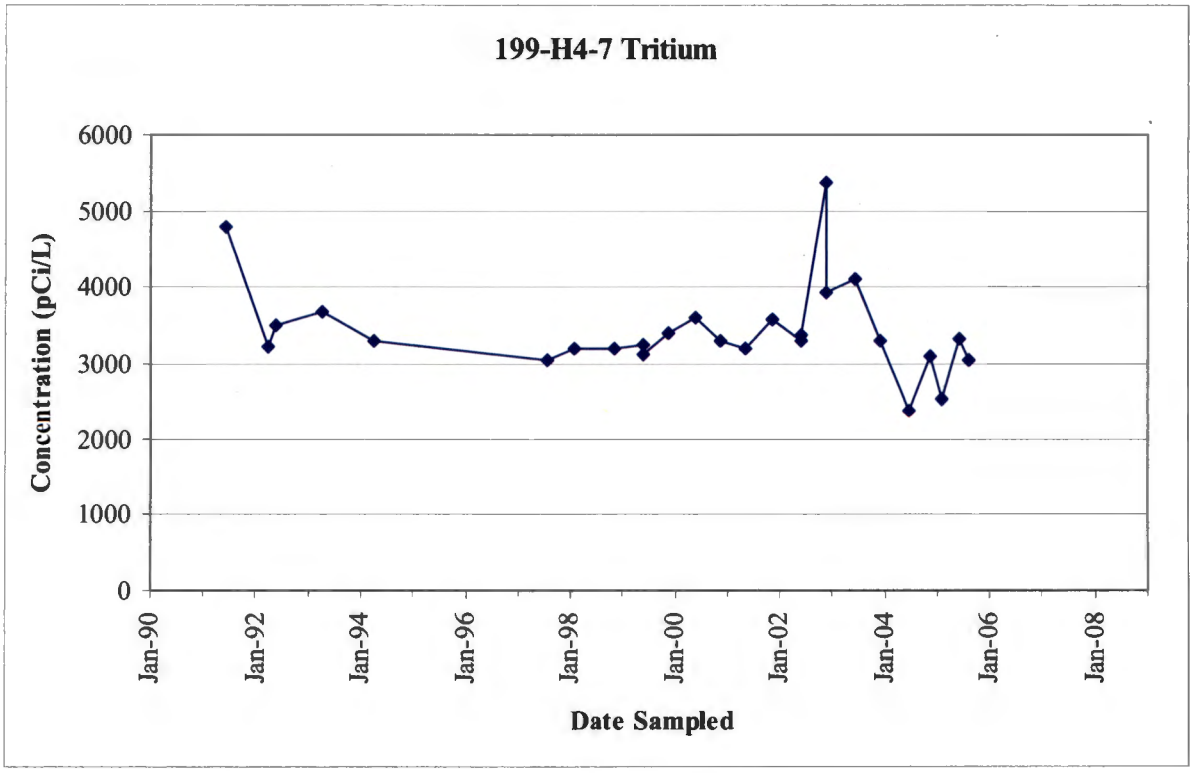

199-H4-5 Tritium
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

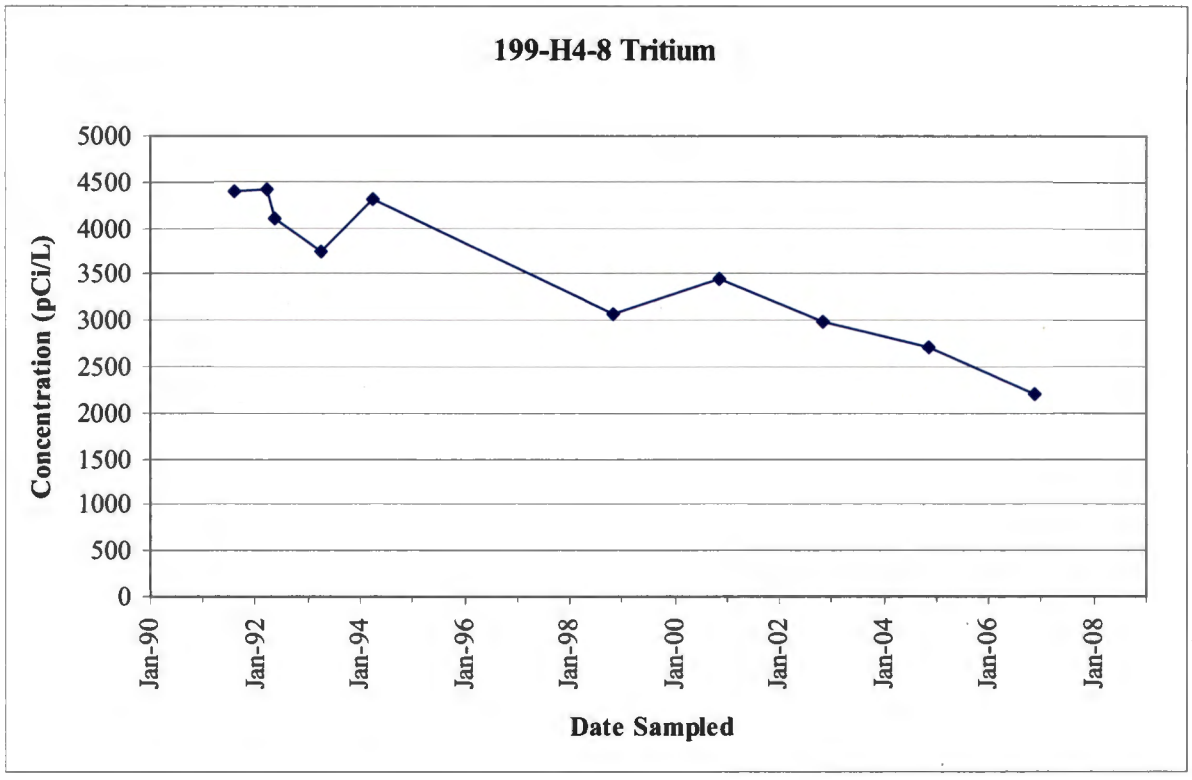

199-H4-6 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

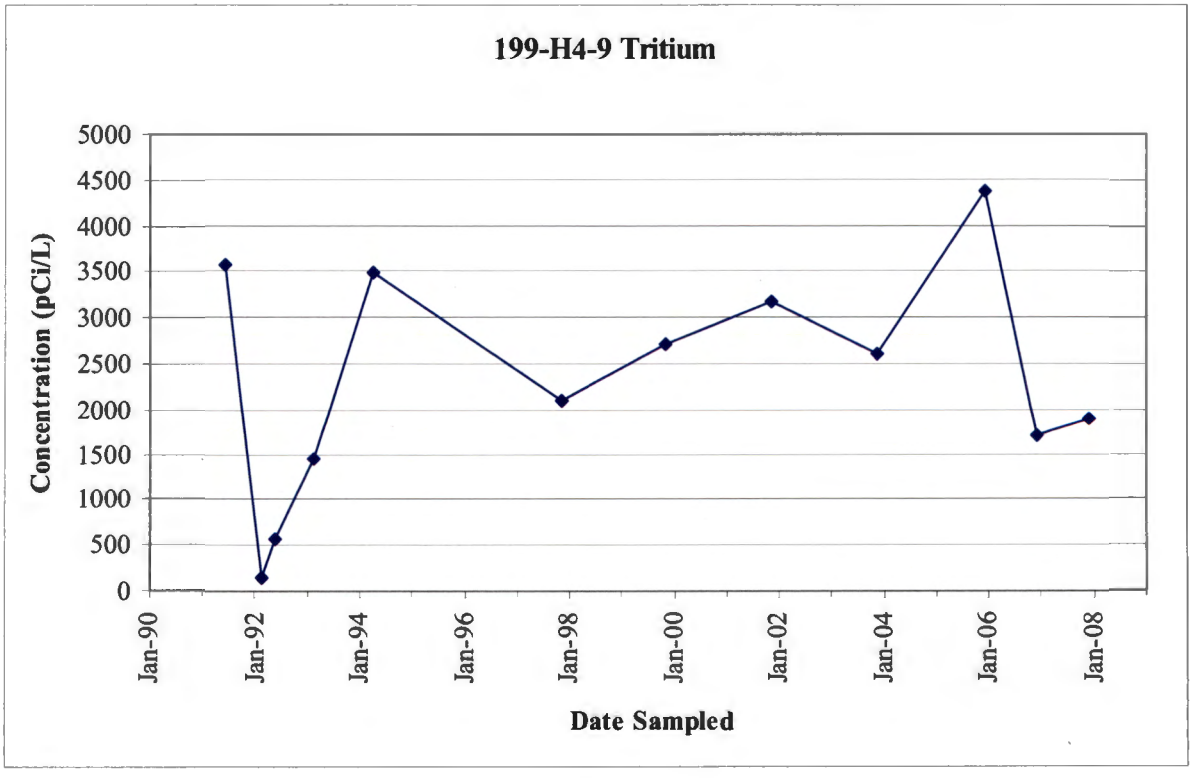

199-H4-63 Tritium
Concentration (pCi/L)
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

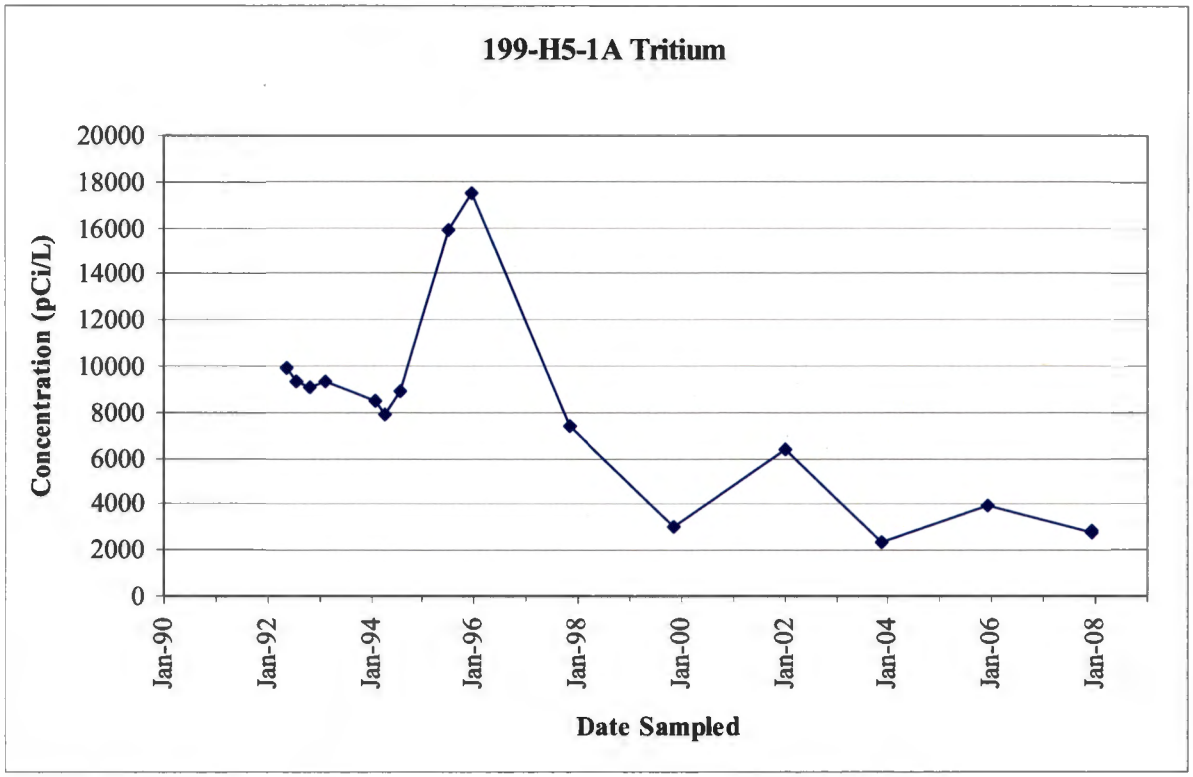

199-H4-64 Tritium
Concentration (pCi/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

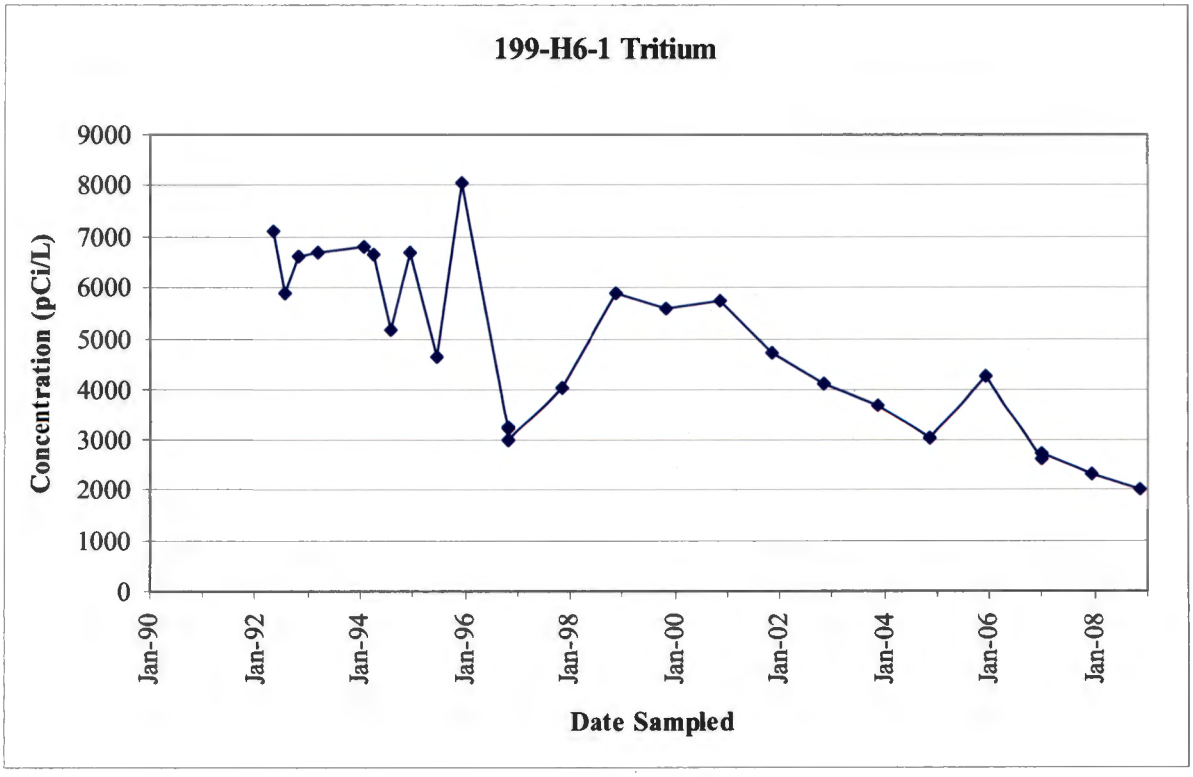

199-H4-65 Tritium
Concentration (pCi/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-7 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-8 Tritium
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-9 Tritium
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H5-1A Tritium
Concentration (pCi/L)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H6-1 Tritium
Concentration (pCi/L)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
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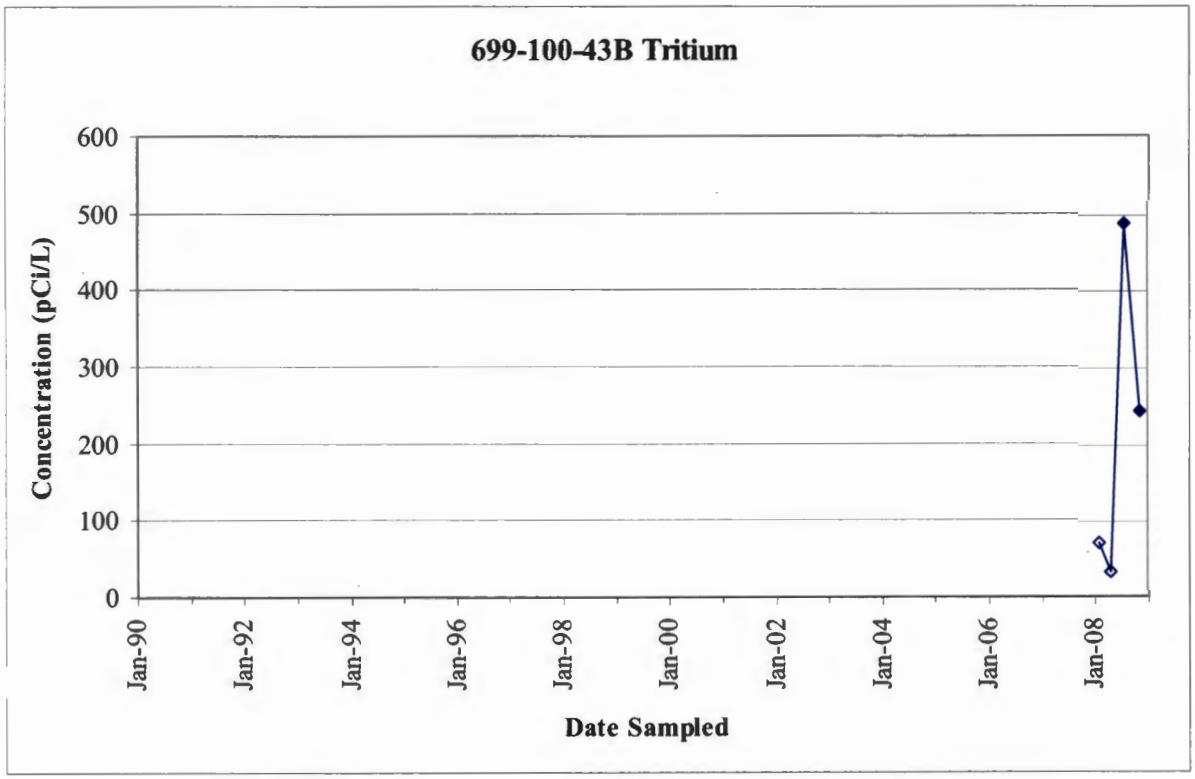
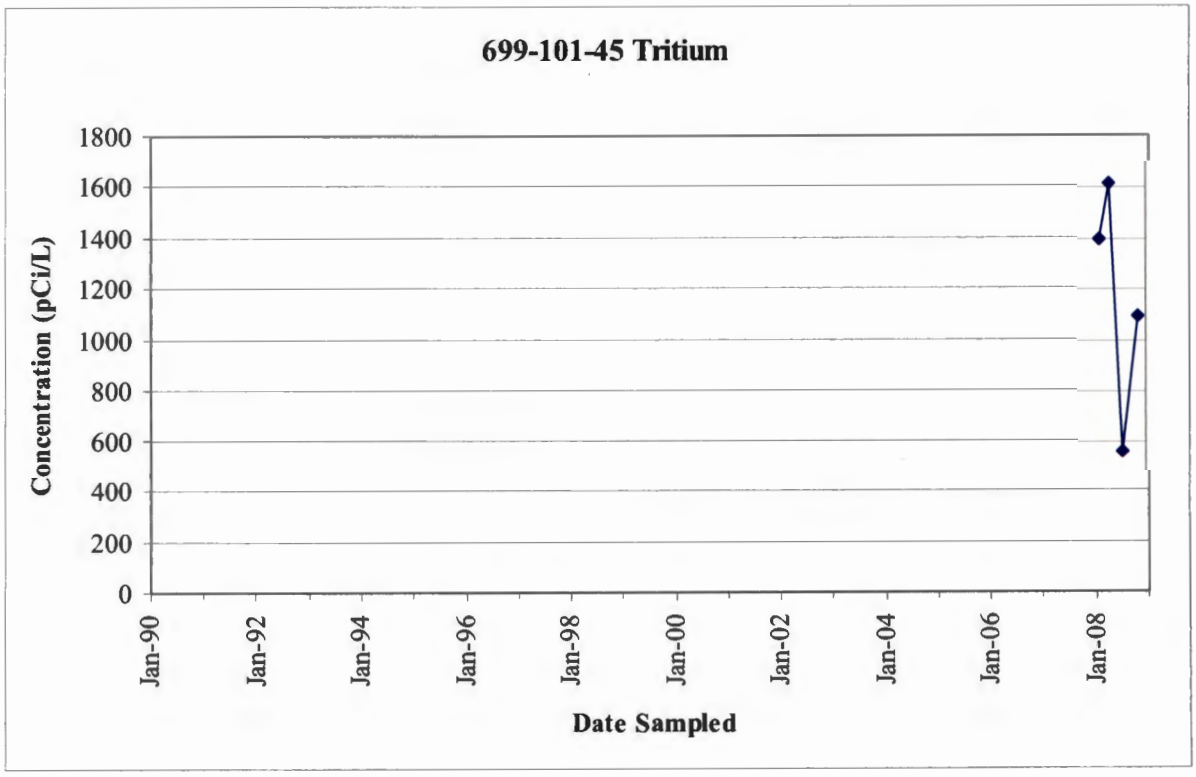
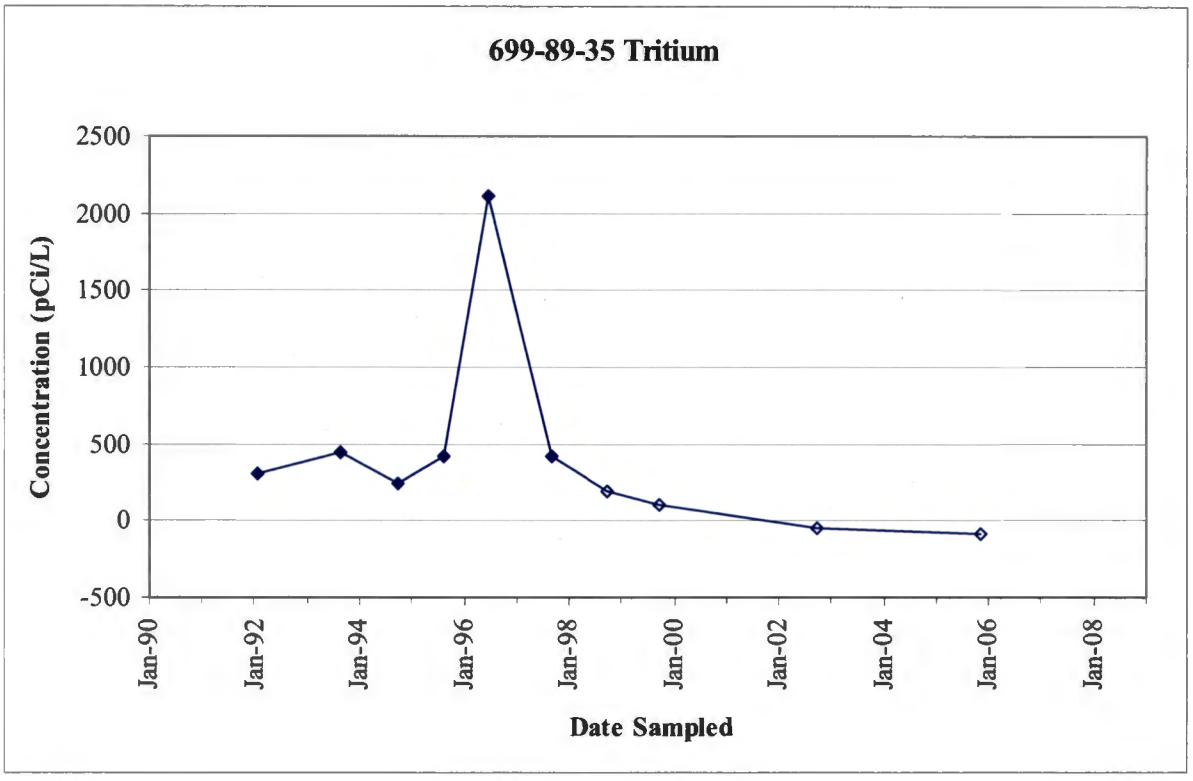
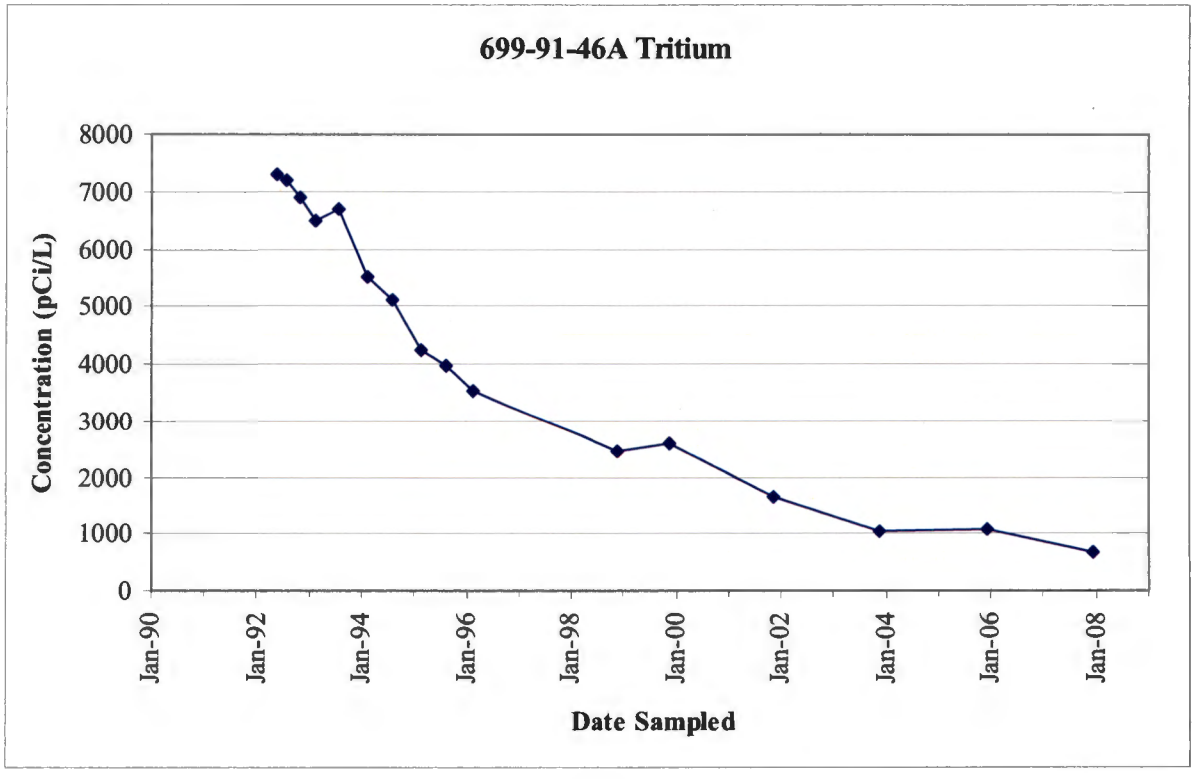
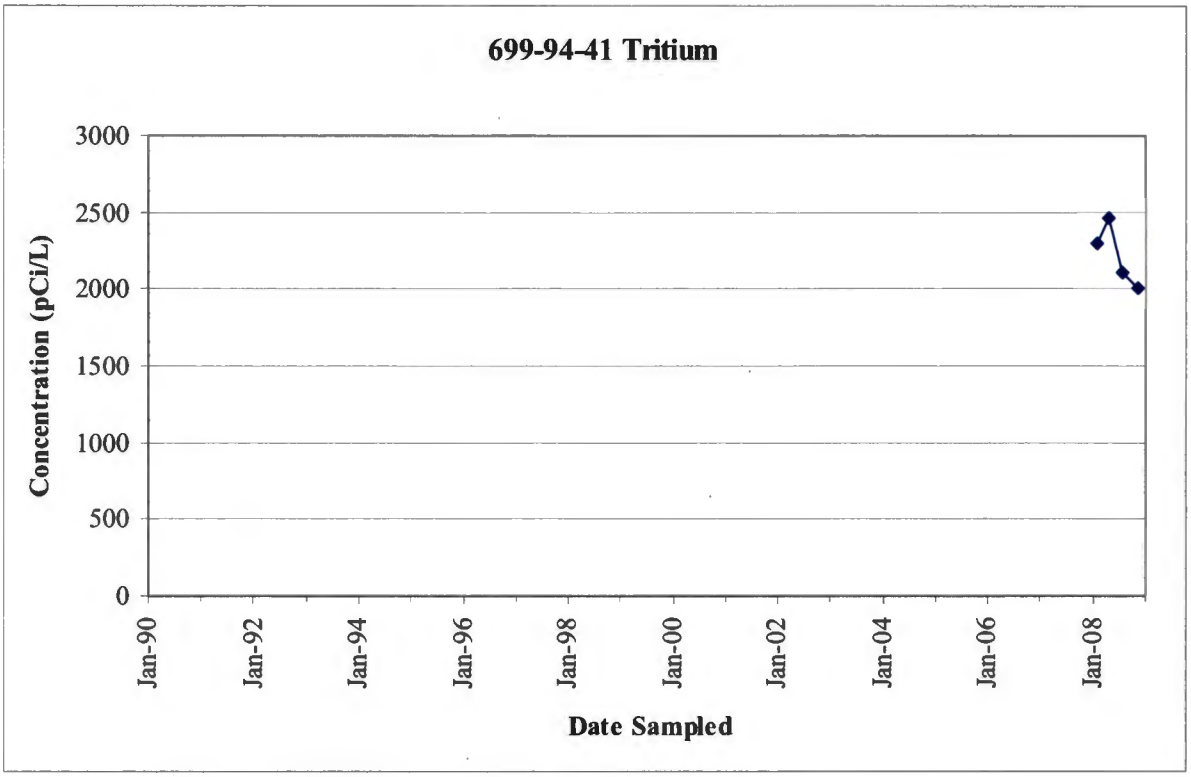
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-100-43B Tritium
Concentration (pCi/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-101-45 Tritium
Concentration (pCi/L)
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-89-35 Tritium
Concentration (pCi/L)
2500
2000
1500
1000
500
0
-500
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-91-46A Tritium
Concentration (pCi/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-94-41 Tritium
Concentration (pCi/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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Jan-06
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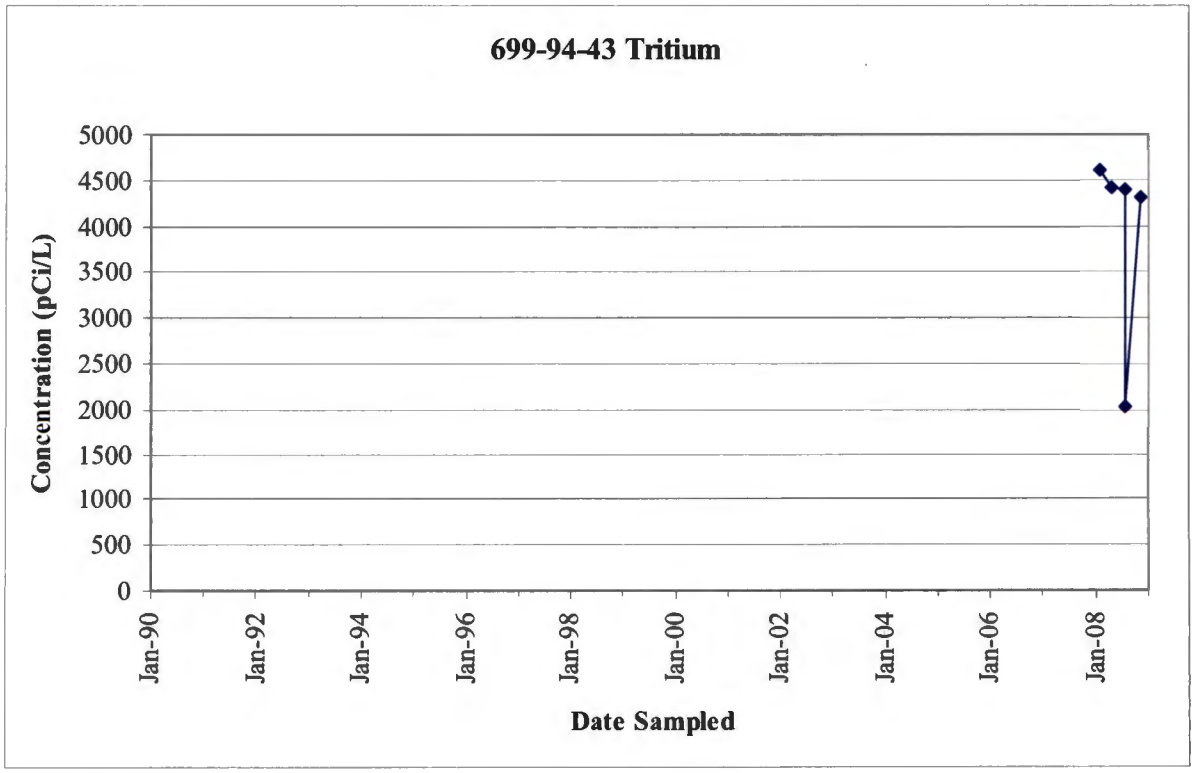
Date Sampled


699-94-43 Tritium
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
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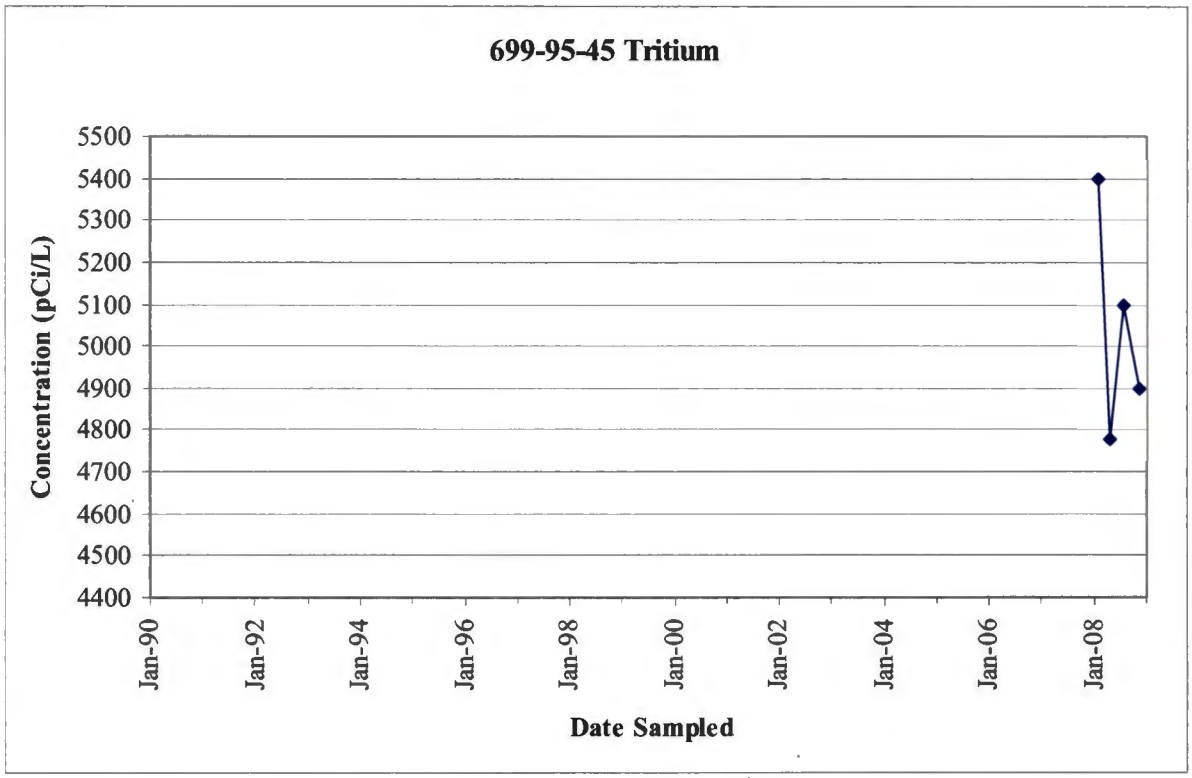
Jan-06
Jan-08
Date Sampled


699-95-45 Tritium
Concentration (pCi/L)
5500
5400
5300
5200
5100
5000
4900
4800
4700
4600
4500
4400
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
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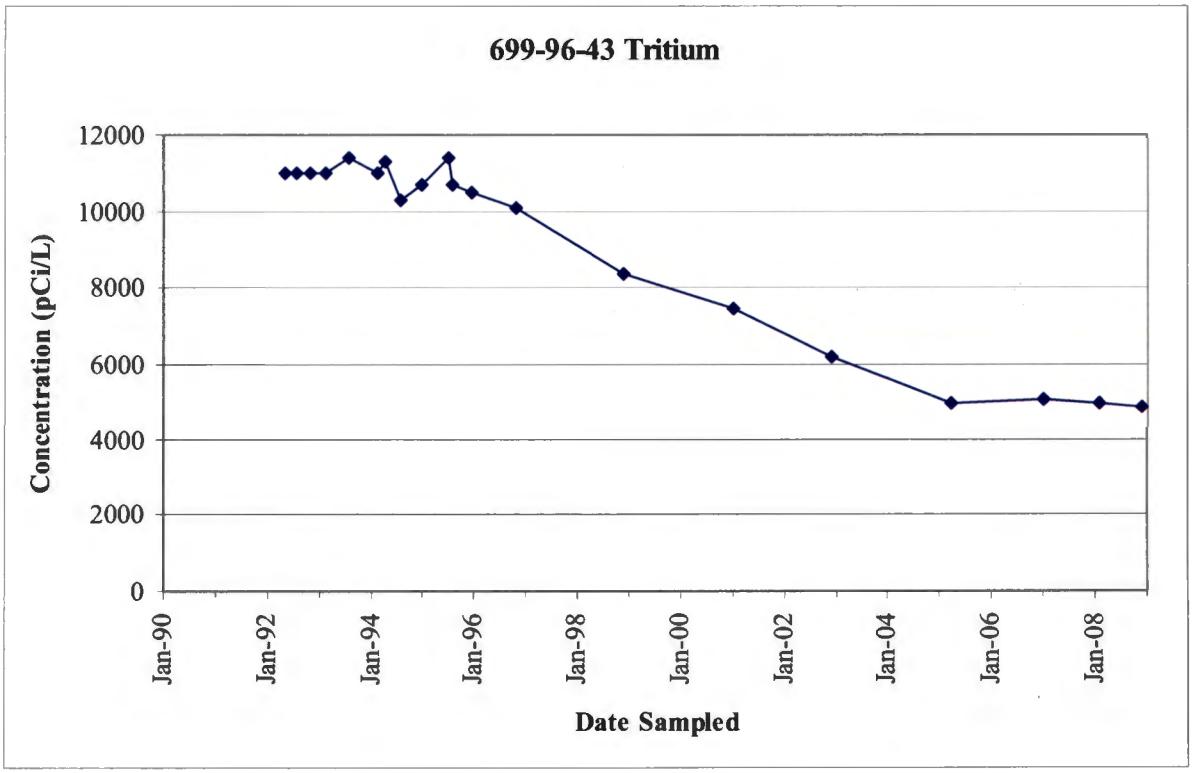
Jan-06
Jan-08
Date Sampled


699-96-43 Tritium
Concentration (pCi/L)
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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Jan-06
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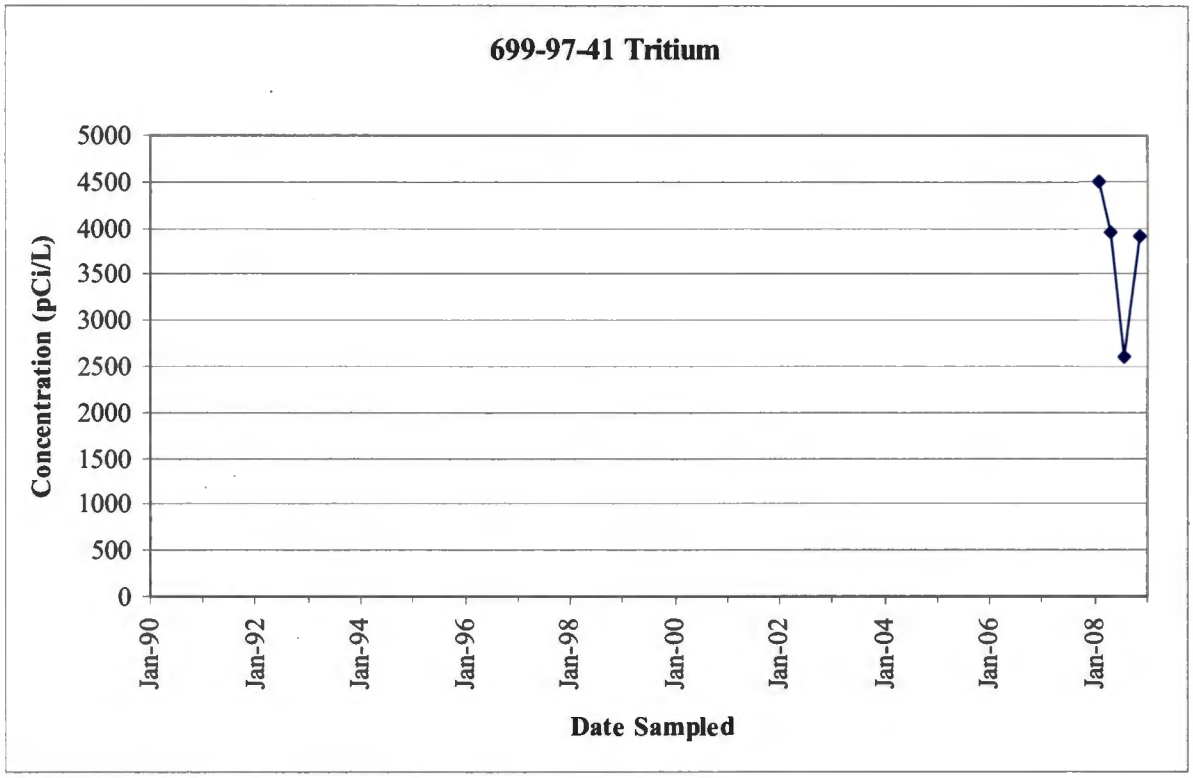
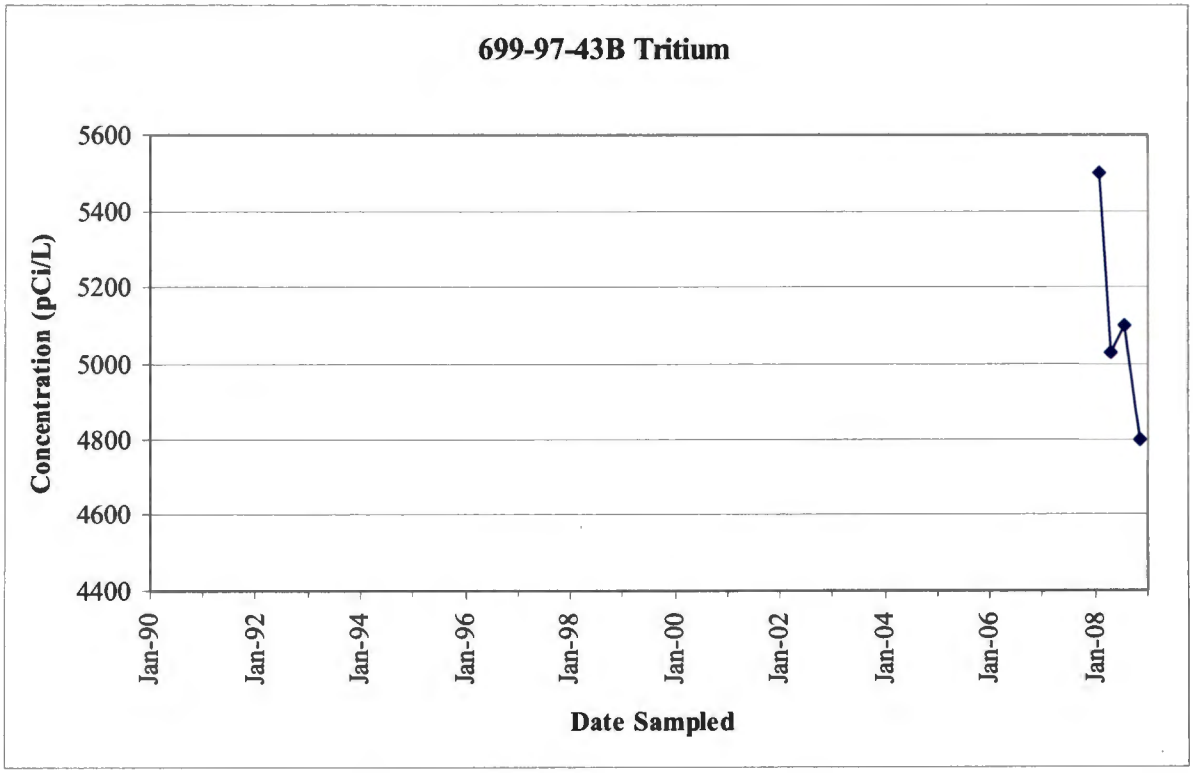
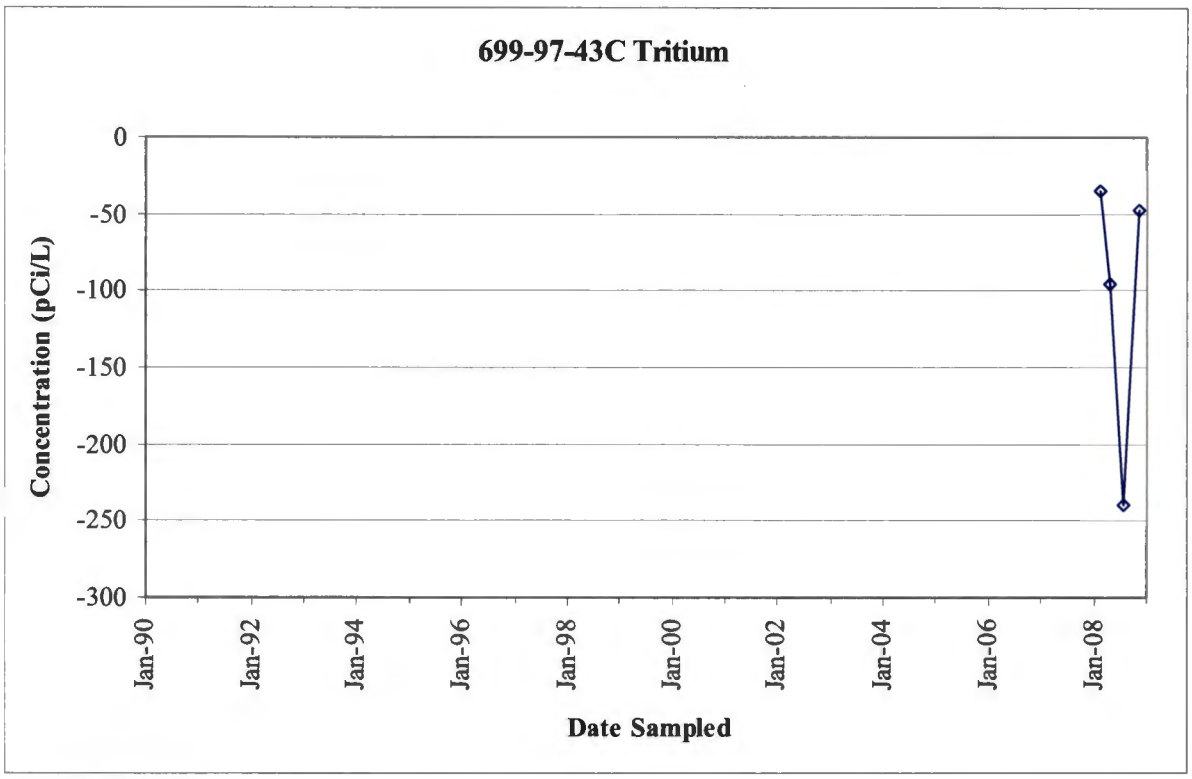
Date Sampled


699-97-41 Tritium
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-97-43B Tritium
Concentration (pCi/L)
5600
5400
5200
5000
4800
4600
4400
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


699-97-43C Tritium
Concentration (pCi/L)
0
-50
-100
-150
-200
-250
-300
Jan-90
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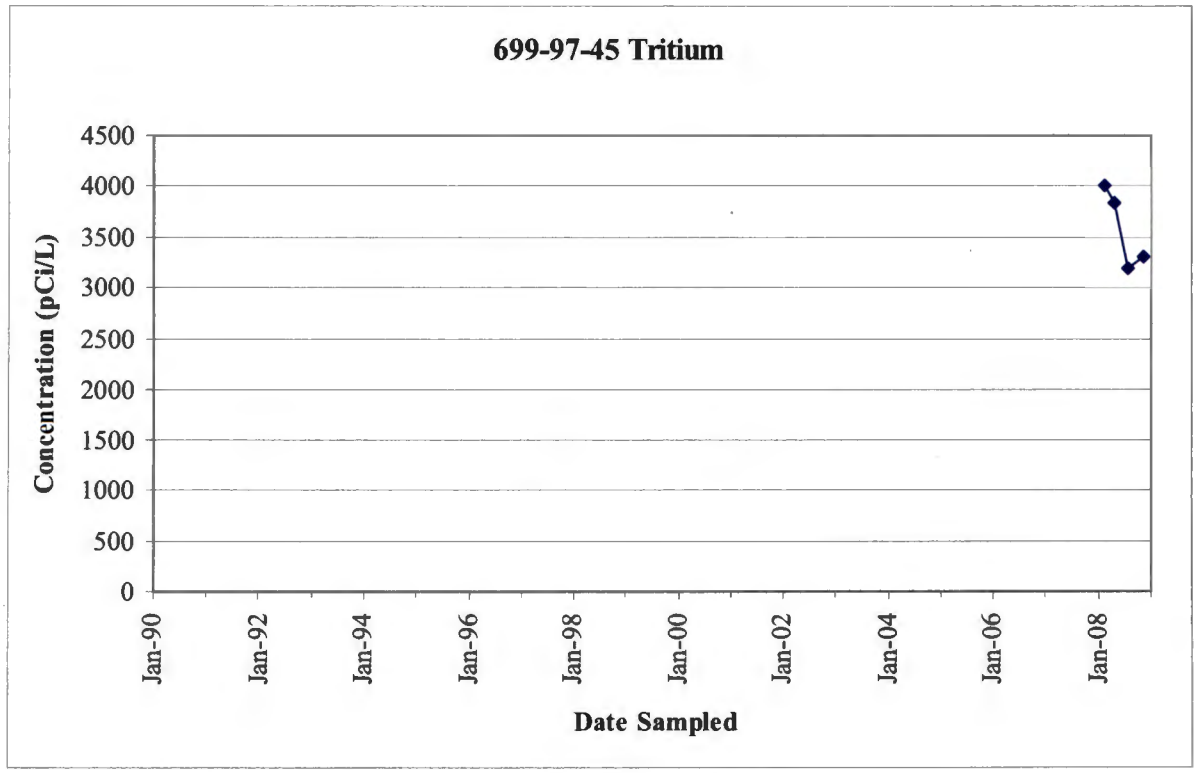
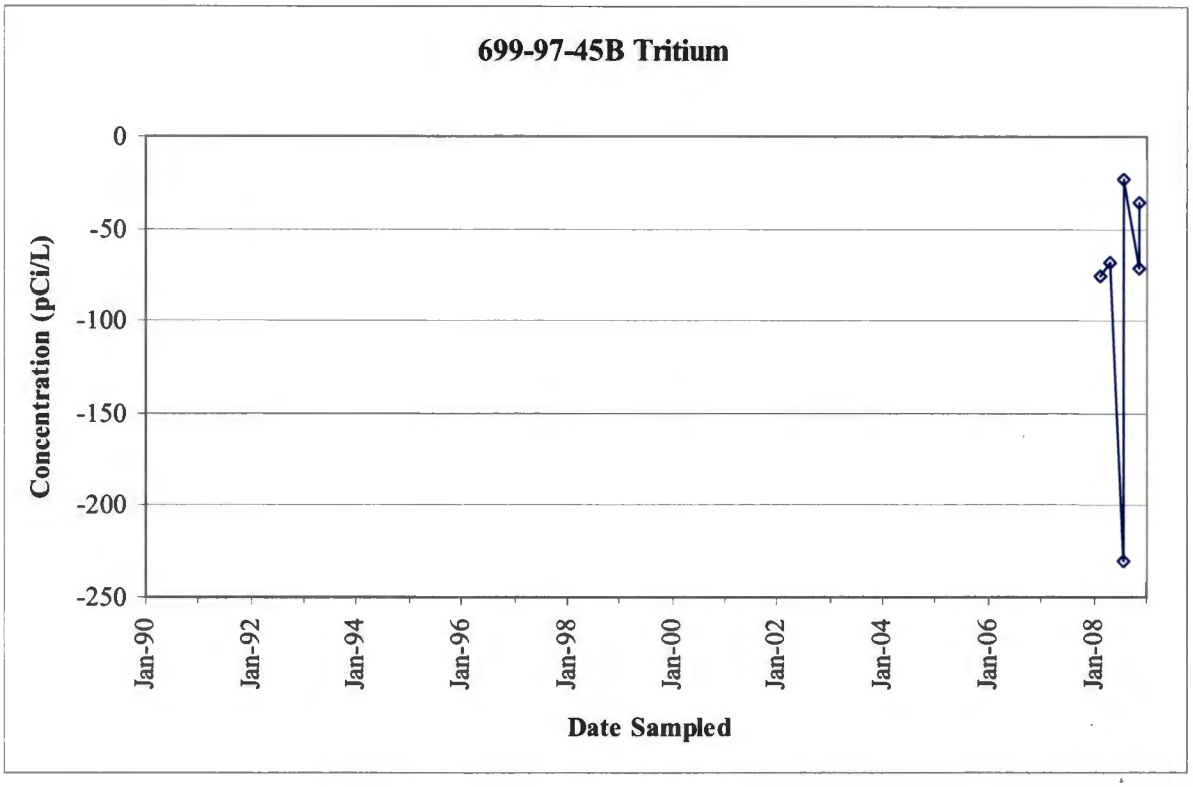
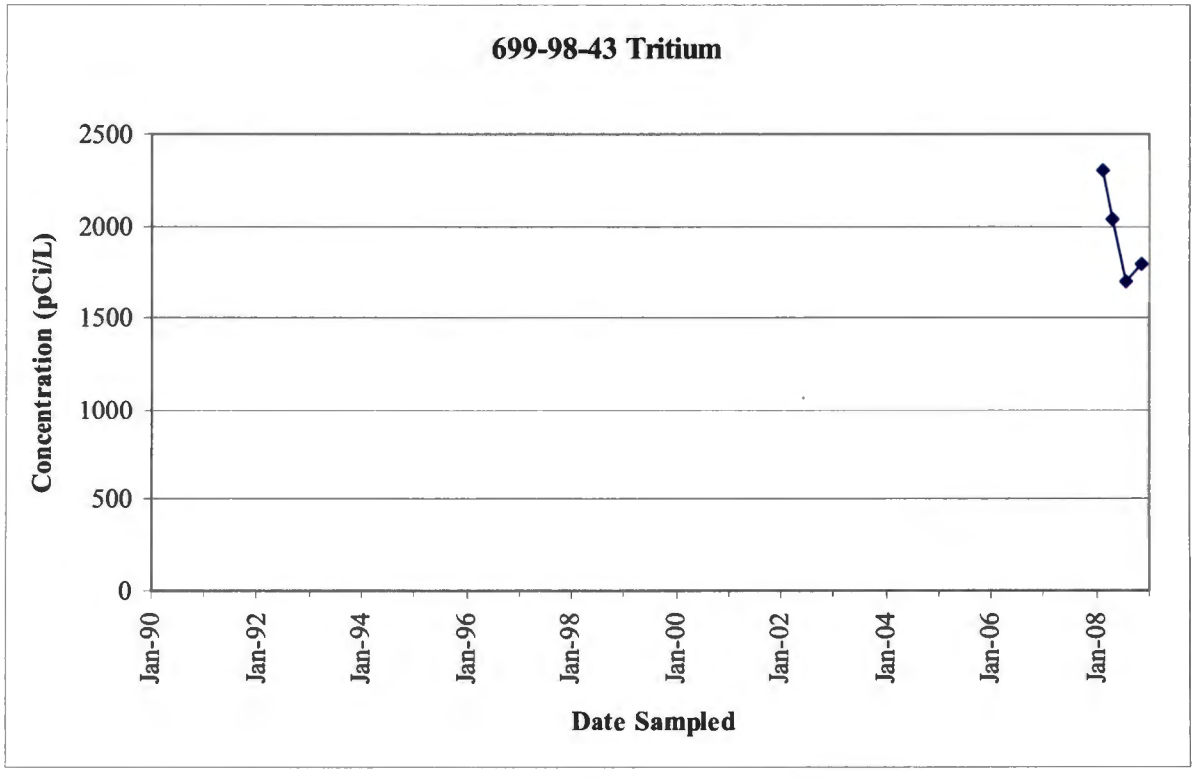
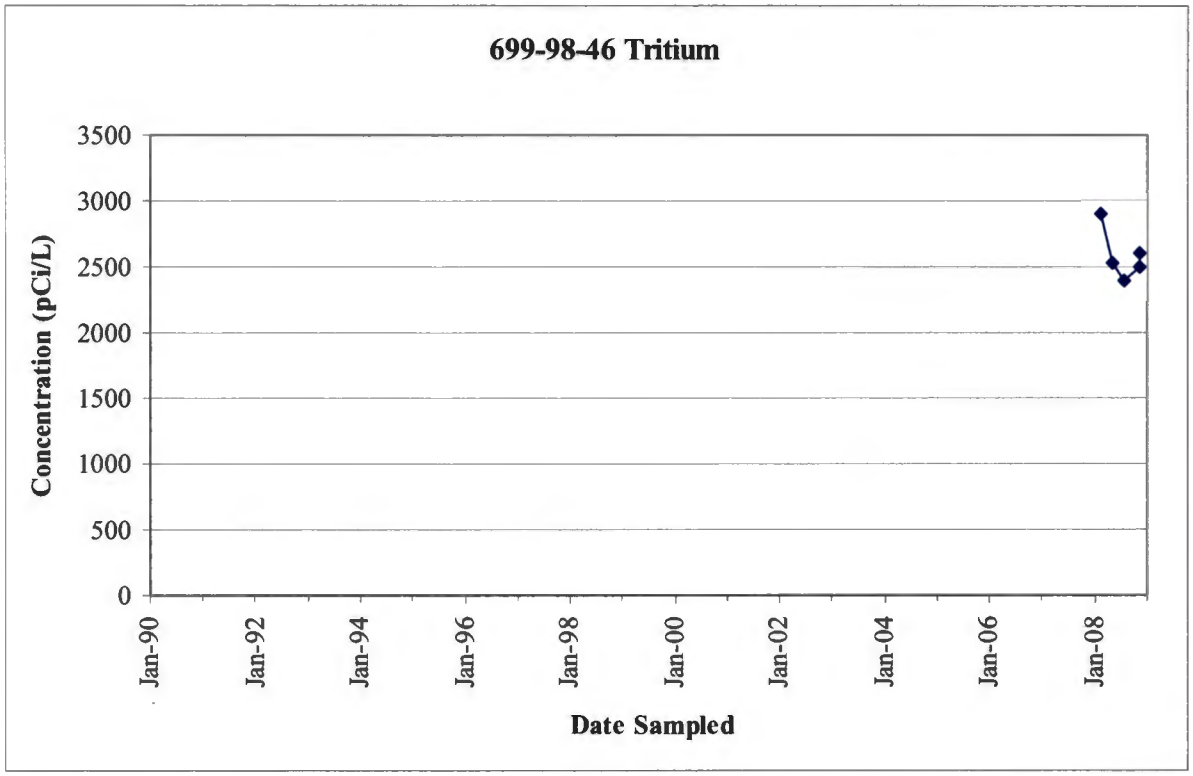
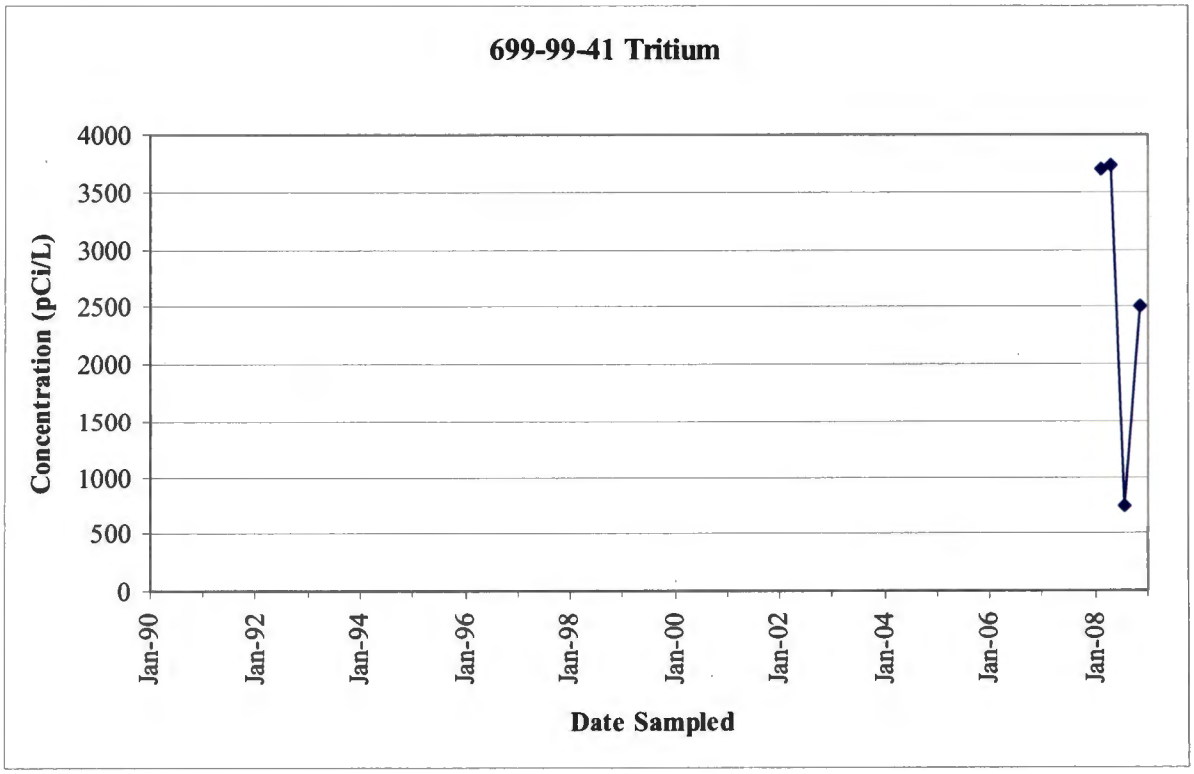
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

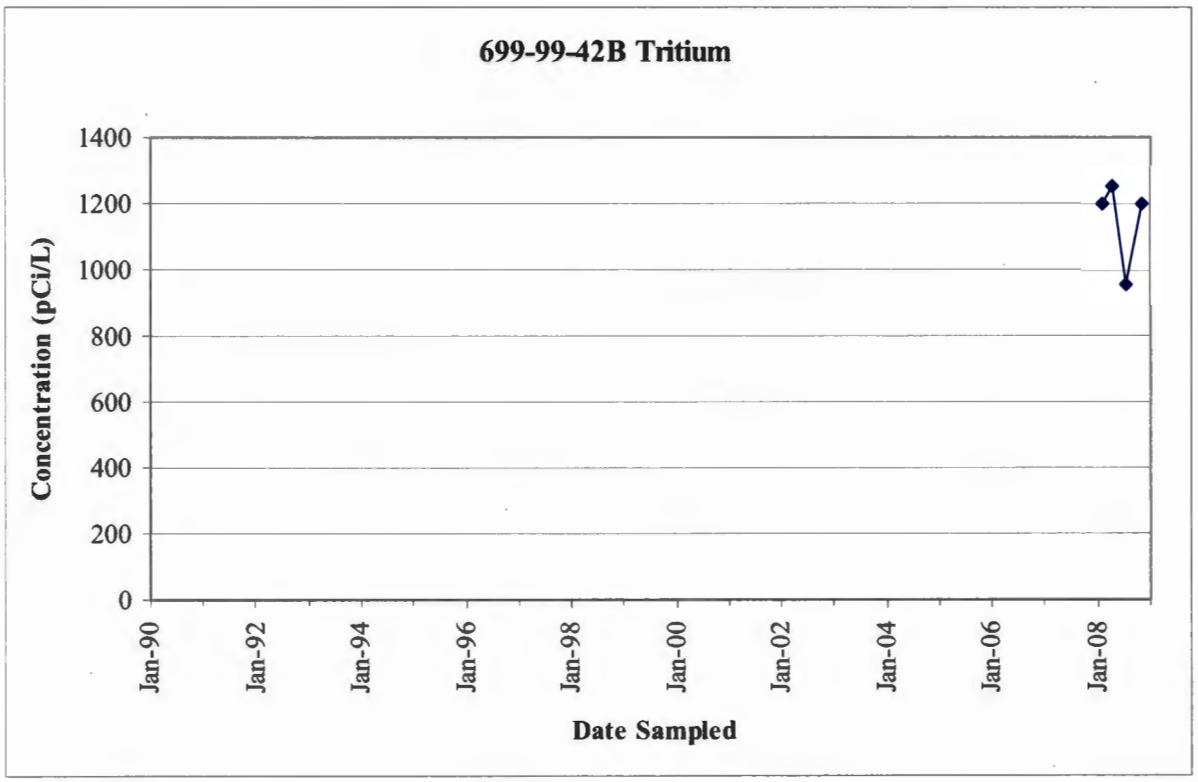

699-97-45 Tritium
Concentration (pCi/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

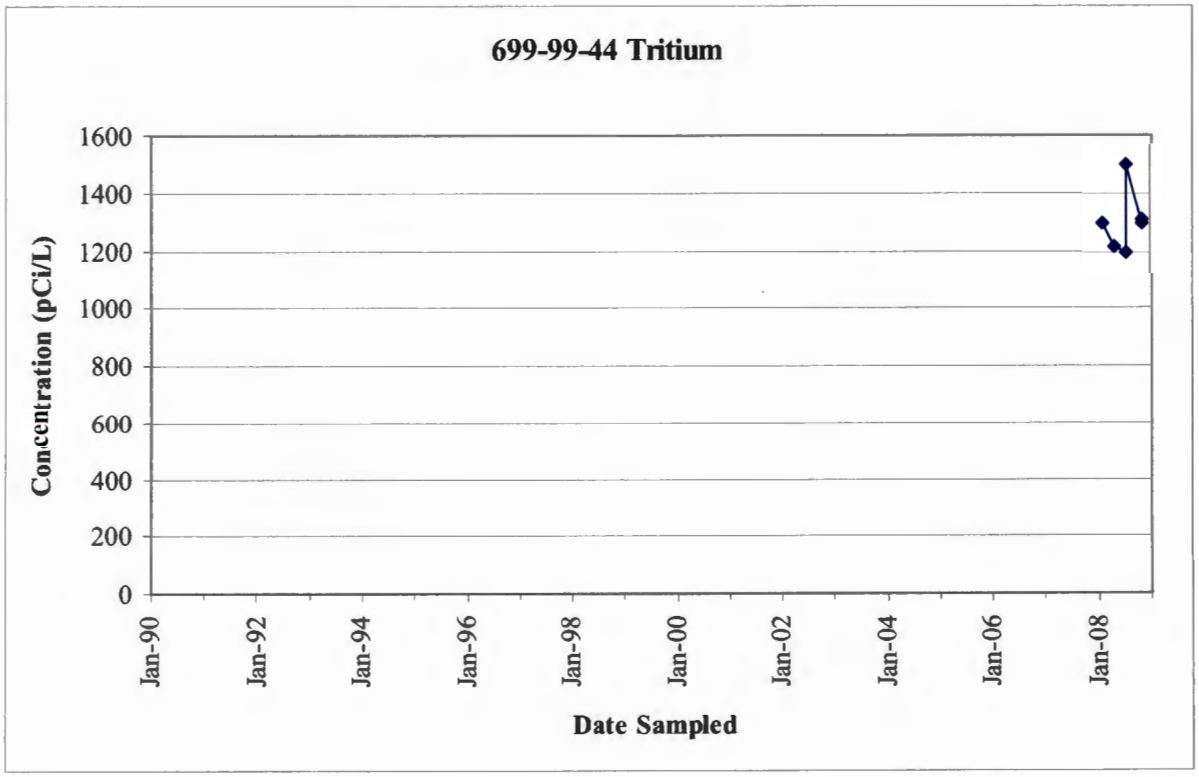

699-97-45B Tritium
Concentration (pCi/L)
0
-50
-100
-150
-200
-250
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

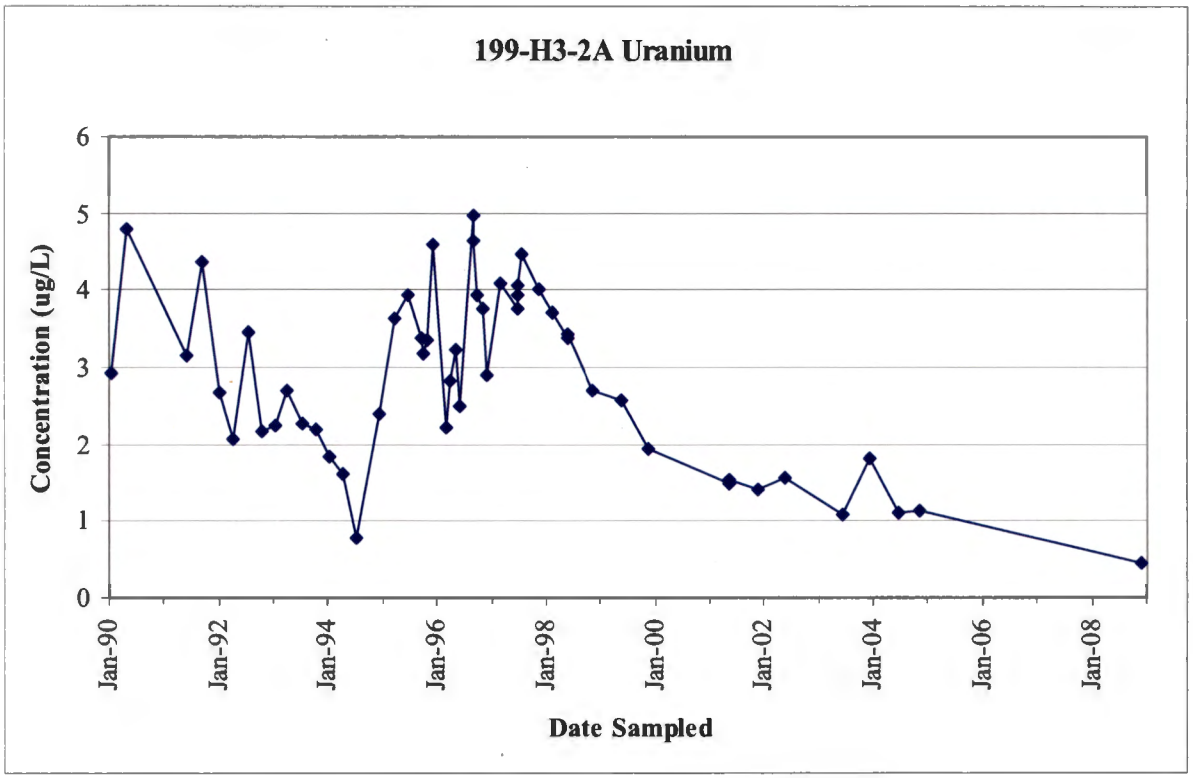

699-98-43 Tritium
Concentration (pCi/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

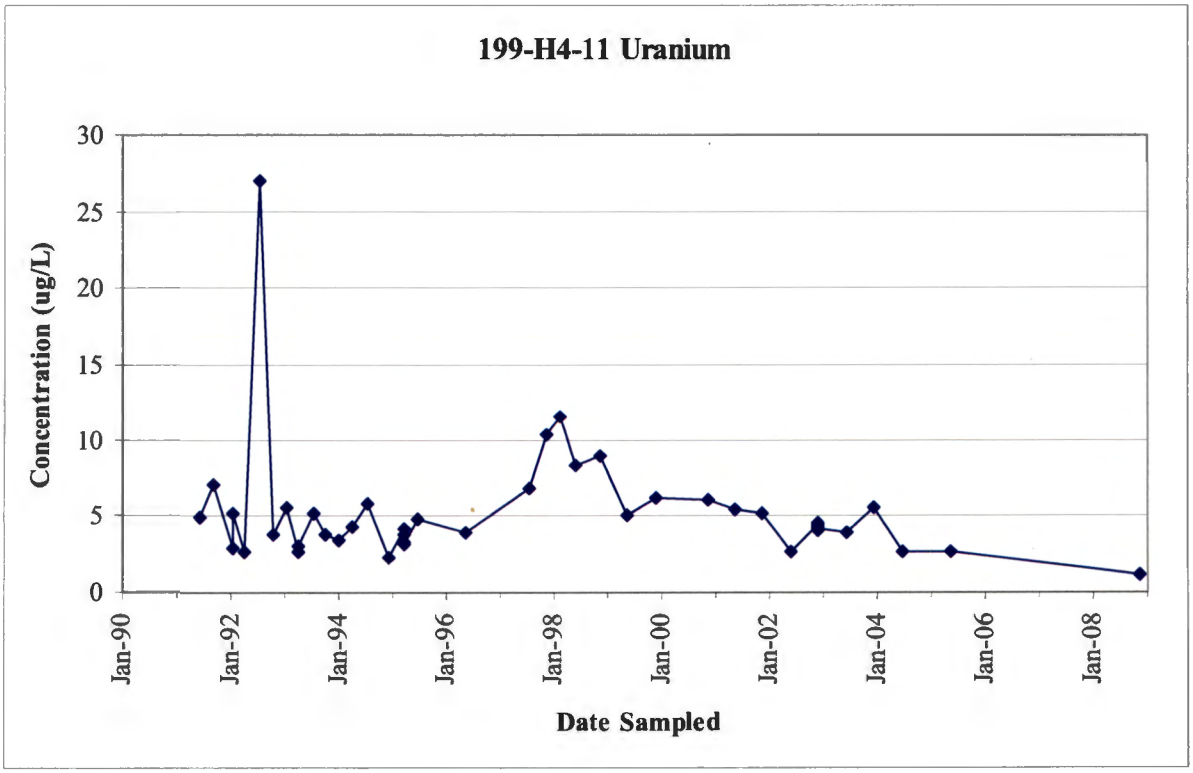

699-98-46 Tritium
Concentration (pCi/L)
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

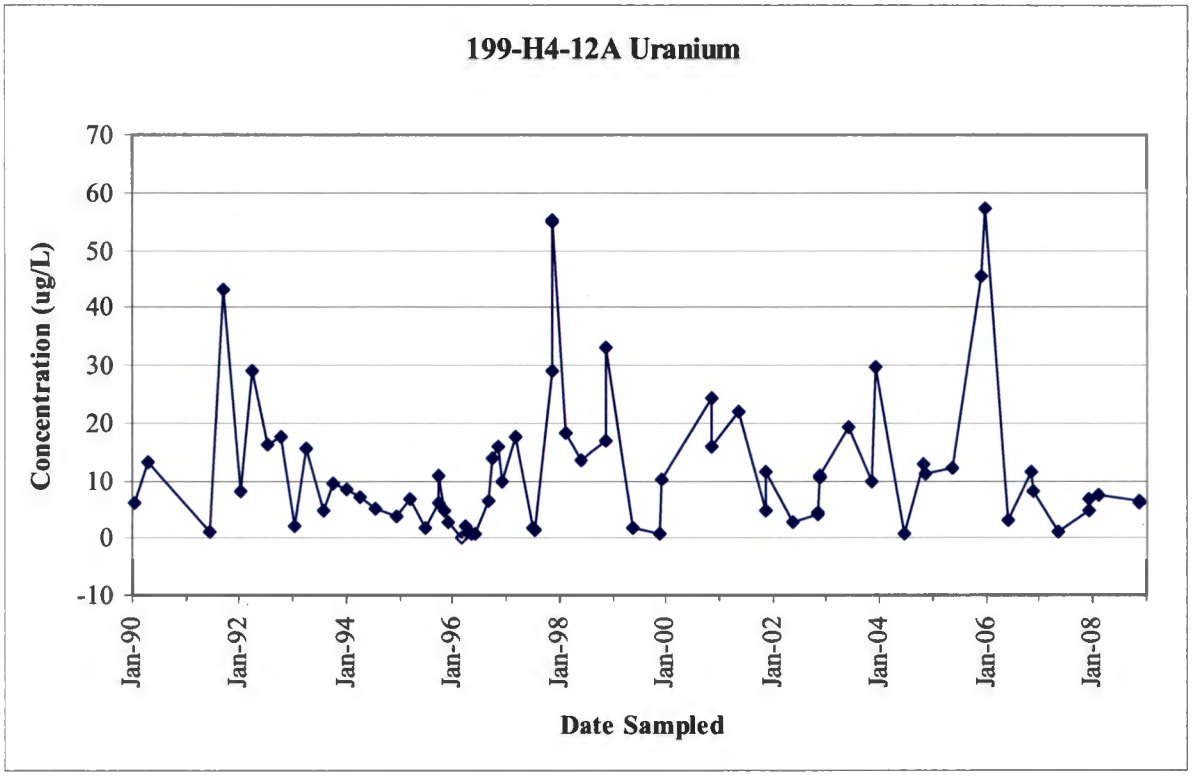

699-99-41 Tritium
Concentration (pCi/L)
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

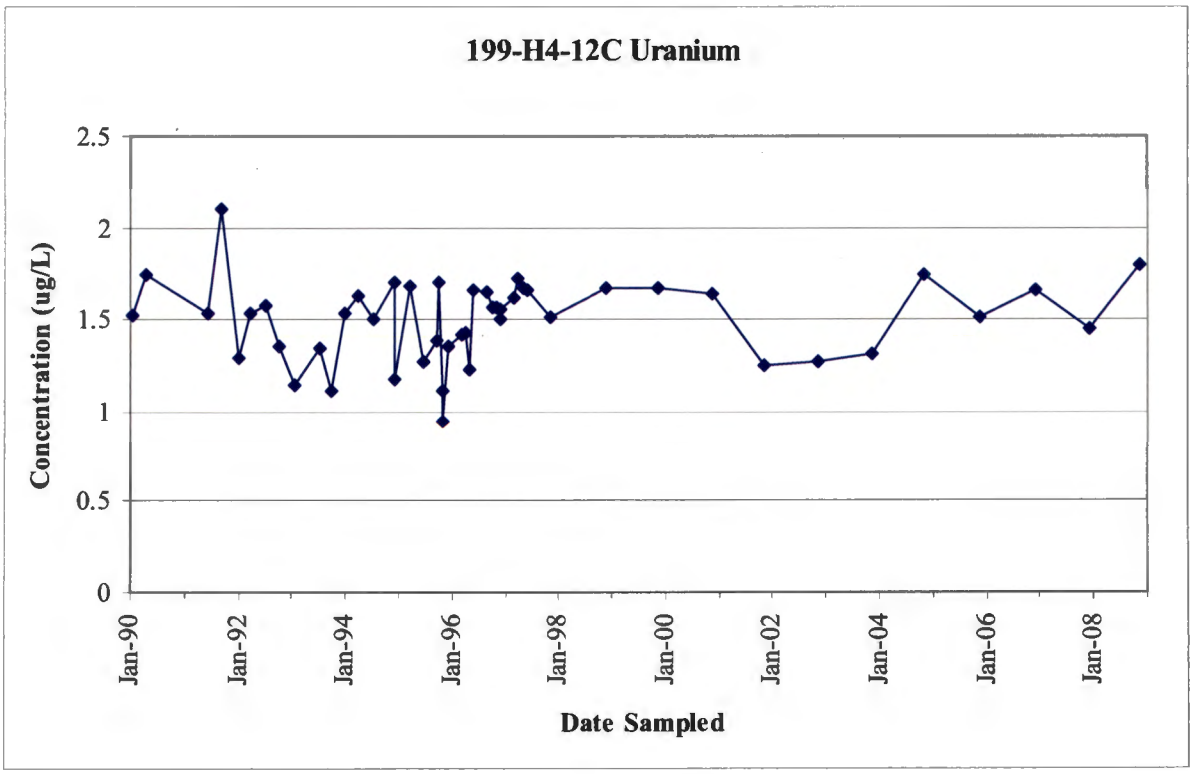

699-99-42B Tritium
Concentration (pCi/L)
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

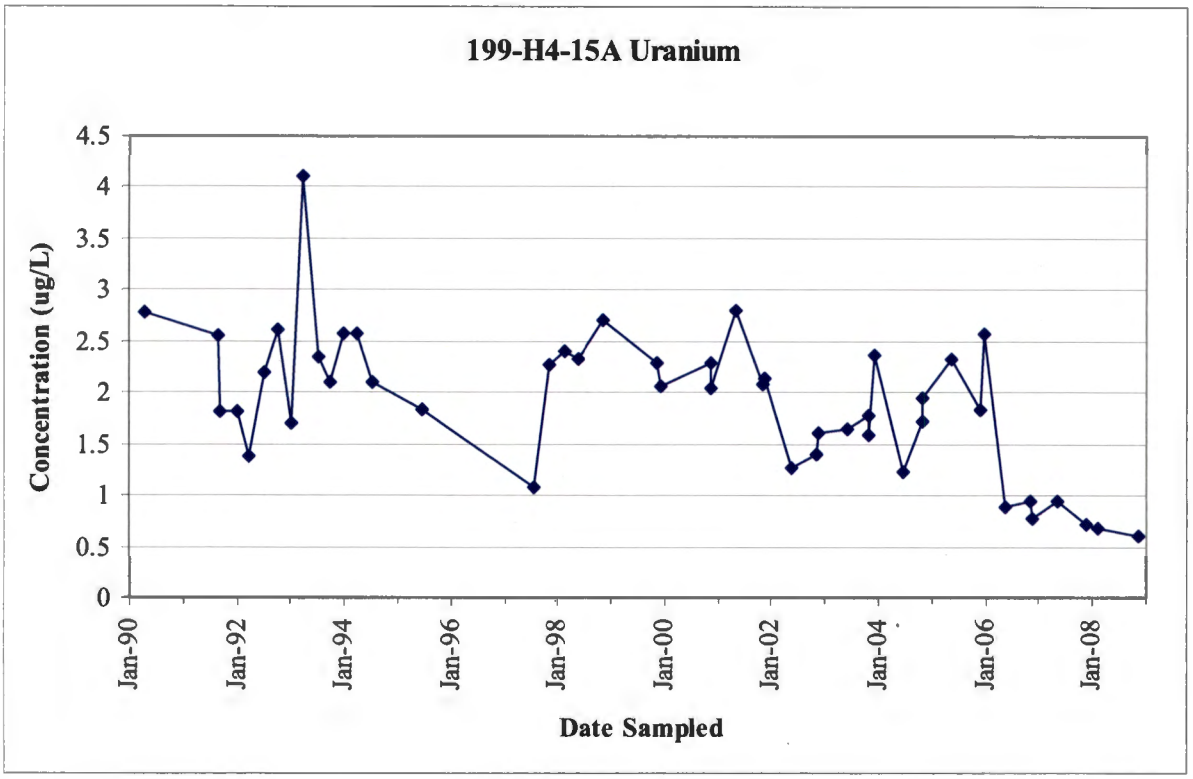

699-99-44 Tritium
Concentration (pCi/L)
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

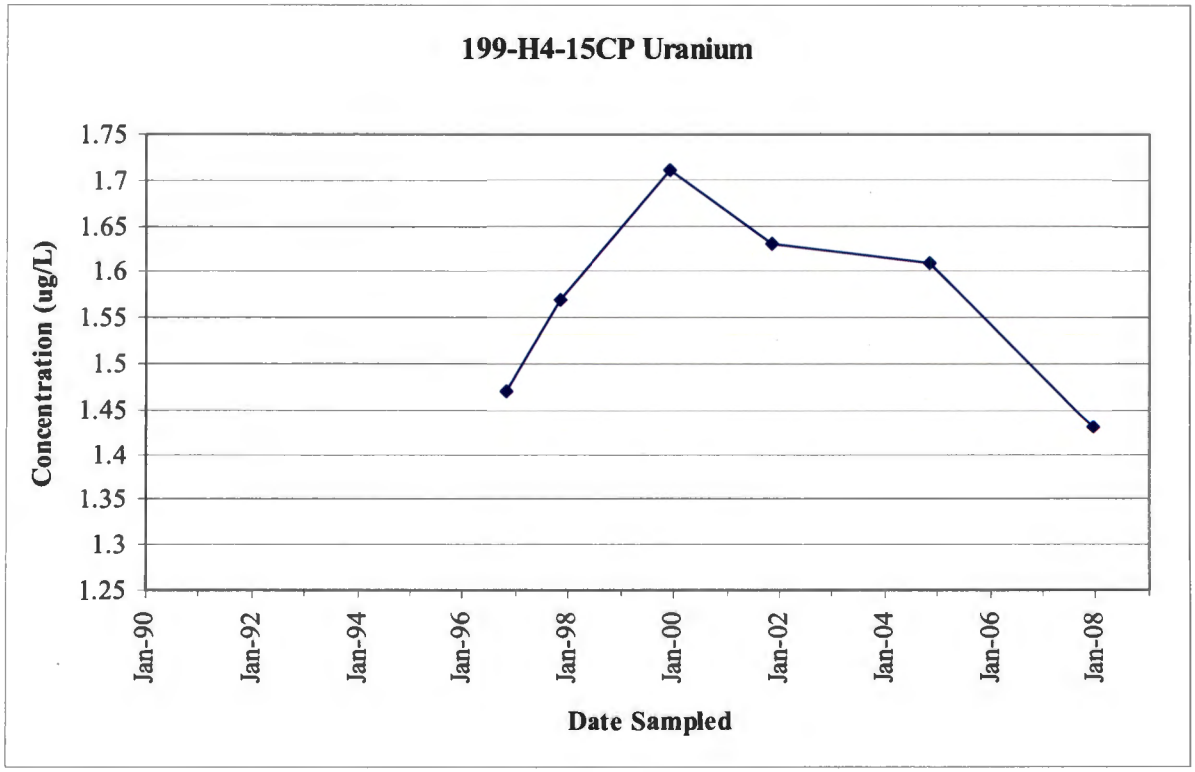

199-H3-2A Uranium
Concentration (ug/L)
0
1
2
3
4
5
6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

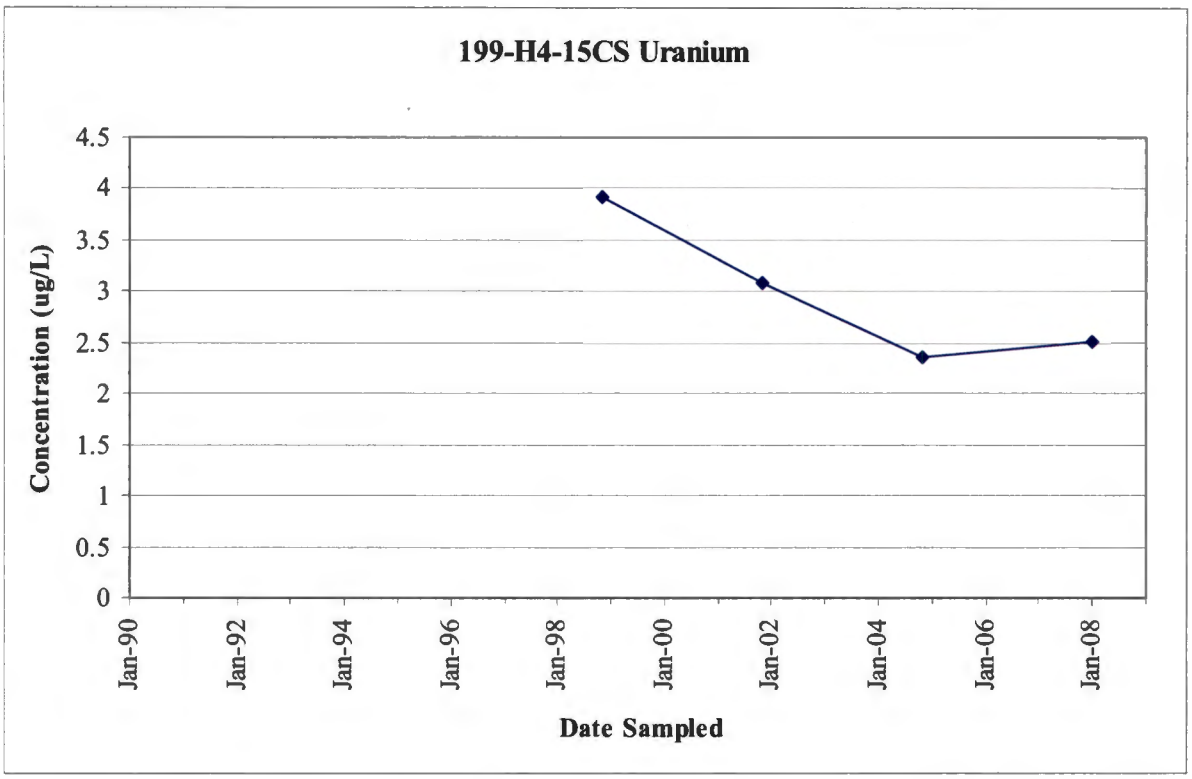

199-H4-11 Uranium
Concentration (ug/L)
0
5
10
15
20
25
30
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

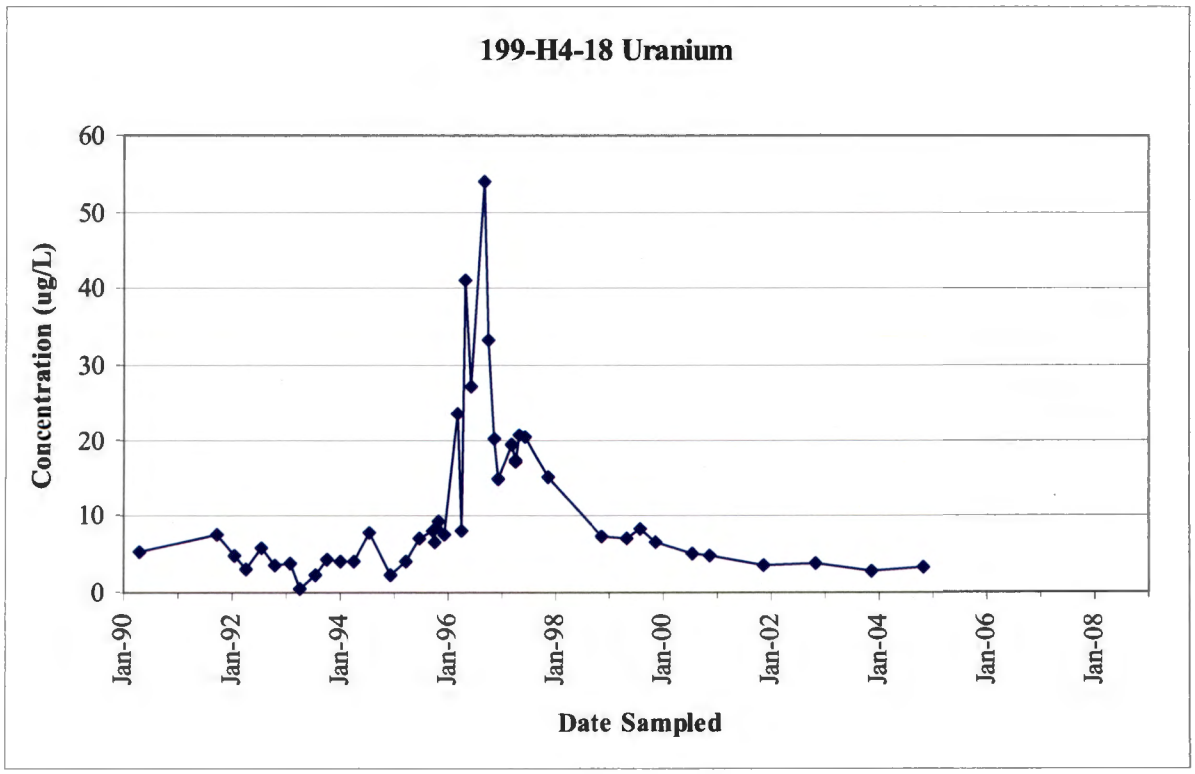

199-H4-12A Uranium
Concentration (ug/L)
70
60
50
40
30
20
10
0
-10
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

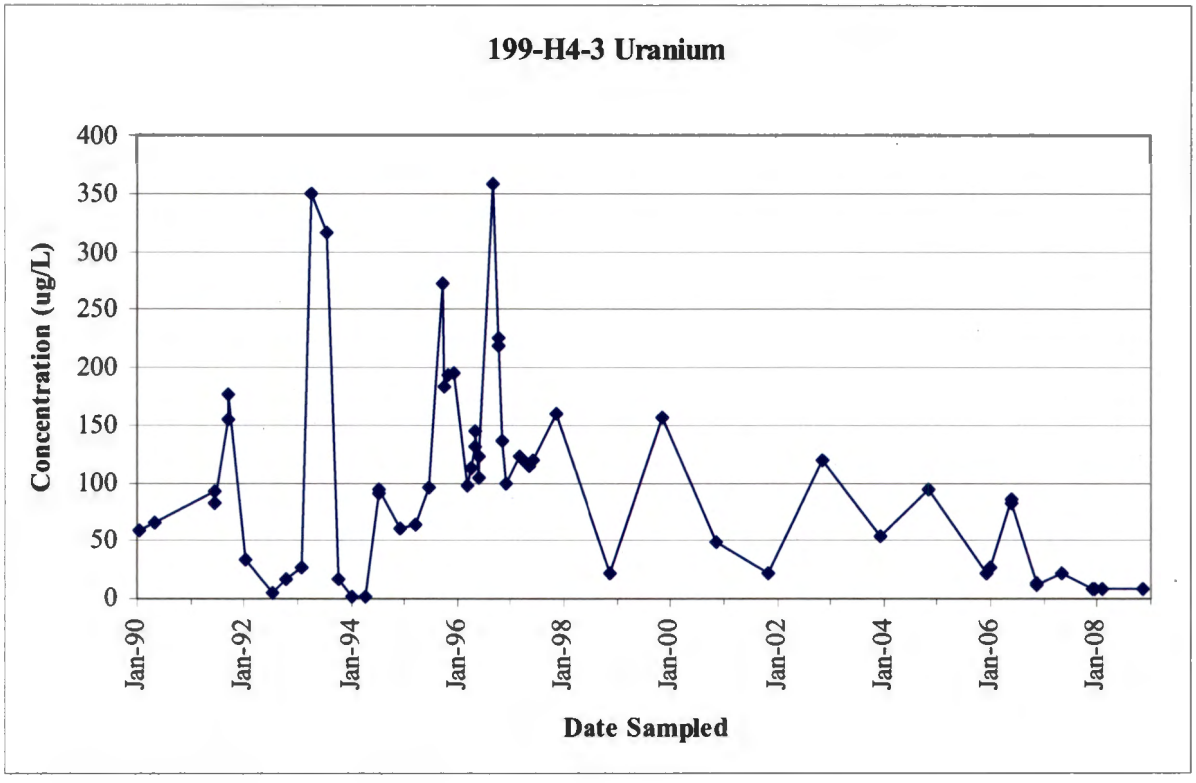

199-H4-12C Uranium
Concentration (ug/L)
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

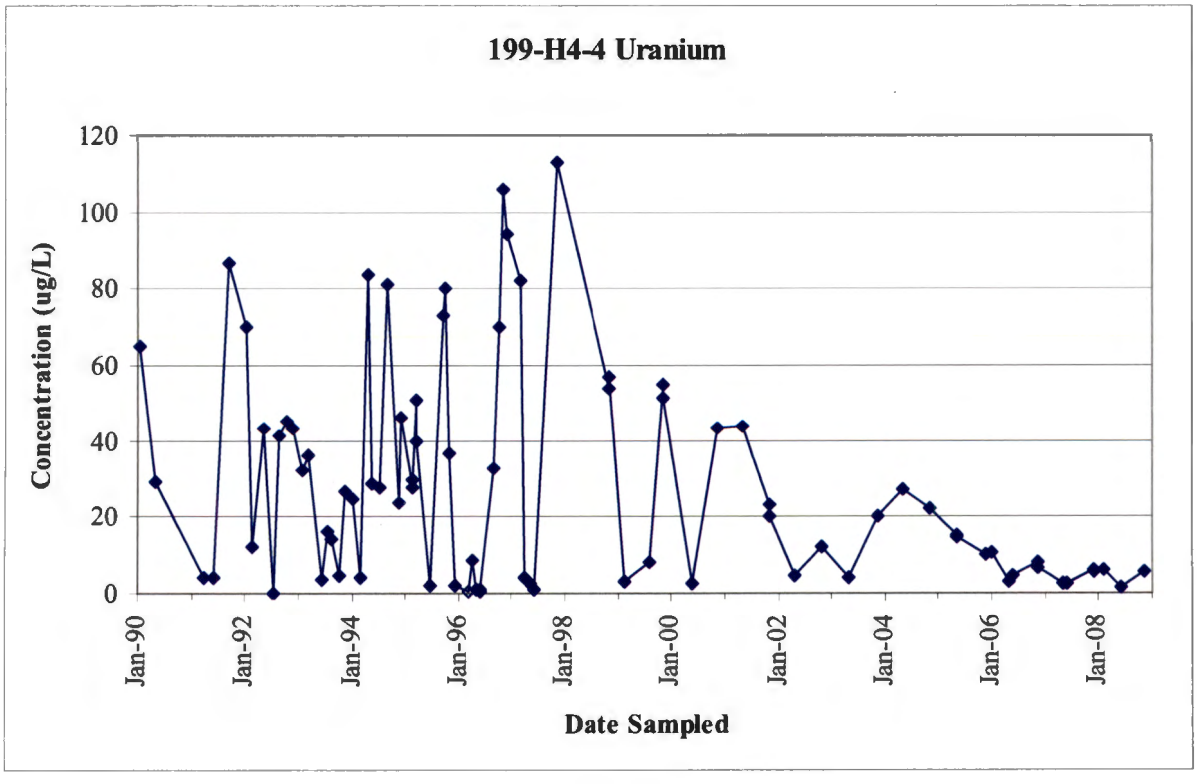

199-H4-15A Uranium
Concentration (ug/L)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

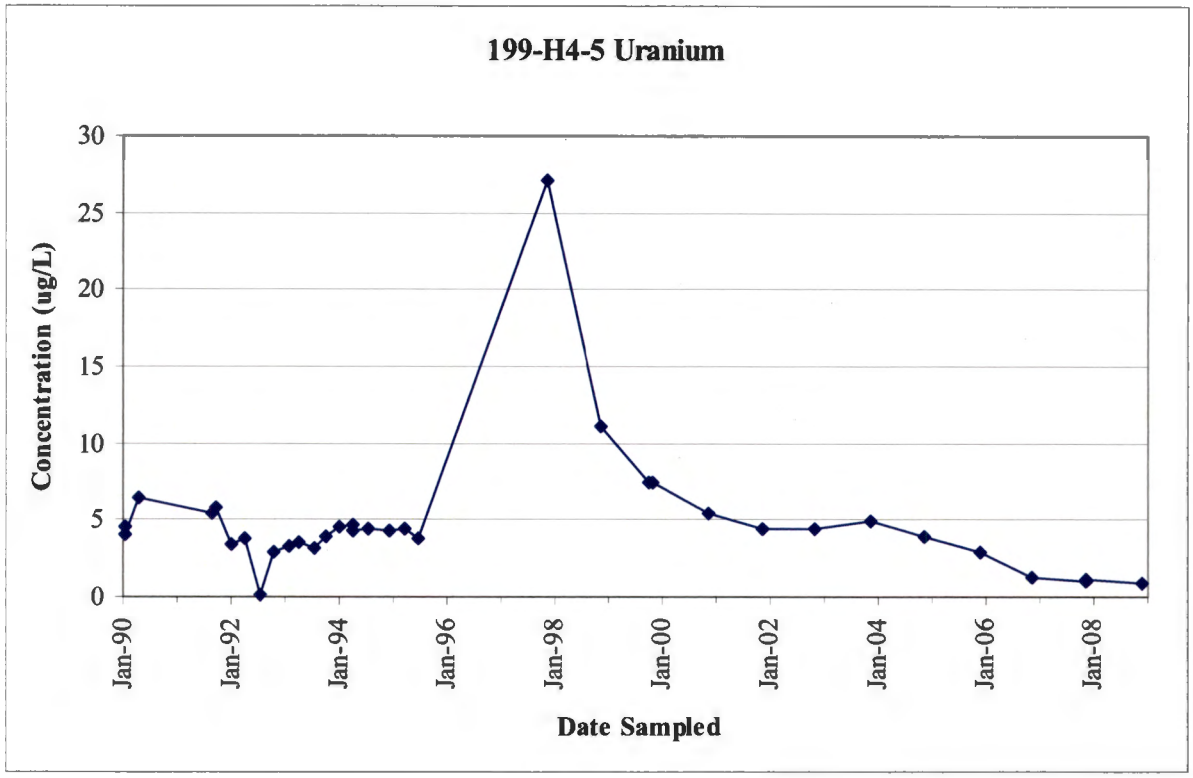

199-H4-15CP Uranium
Concentration (ug/L)
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
1.35
1.3
1.25
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

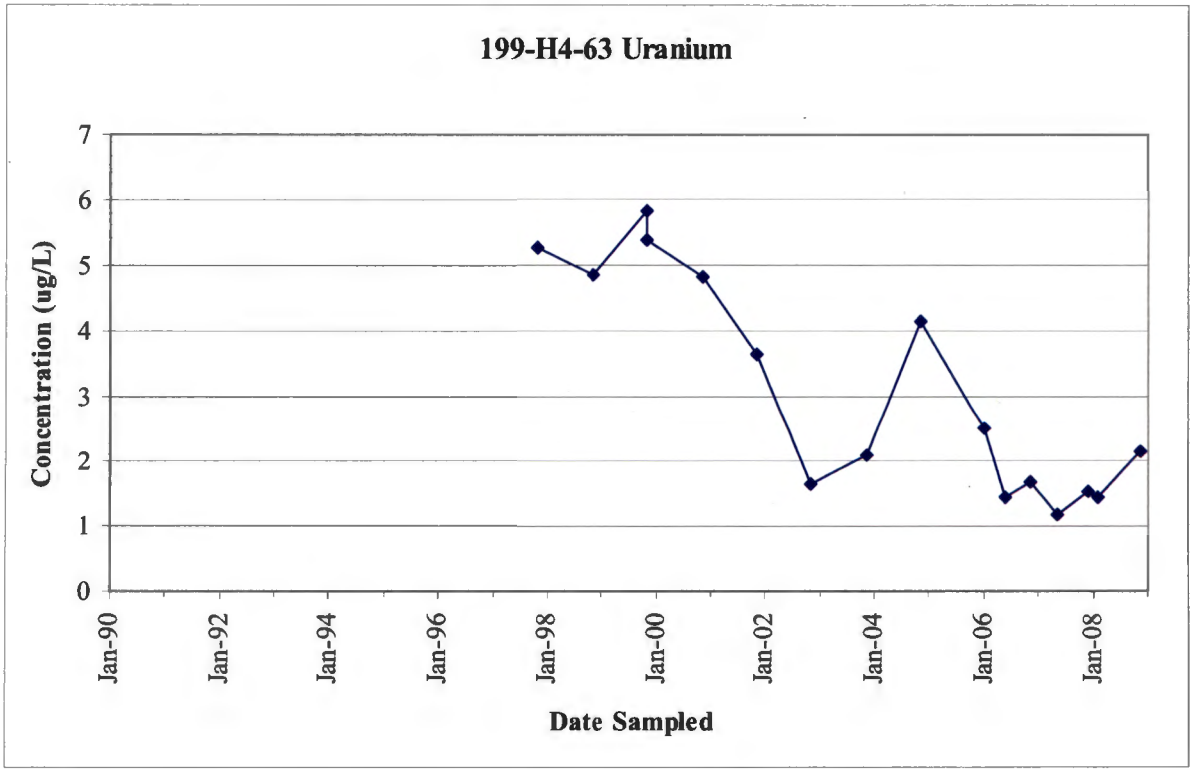

199-H4-15CS Uranium
Concentration (ug/L)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

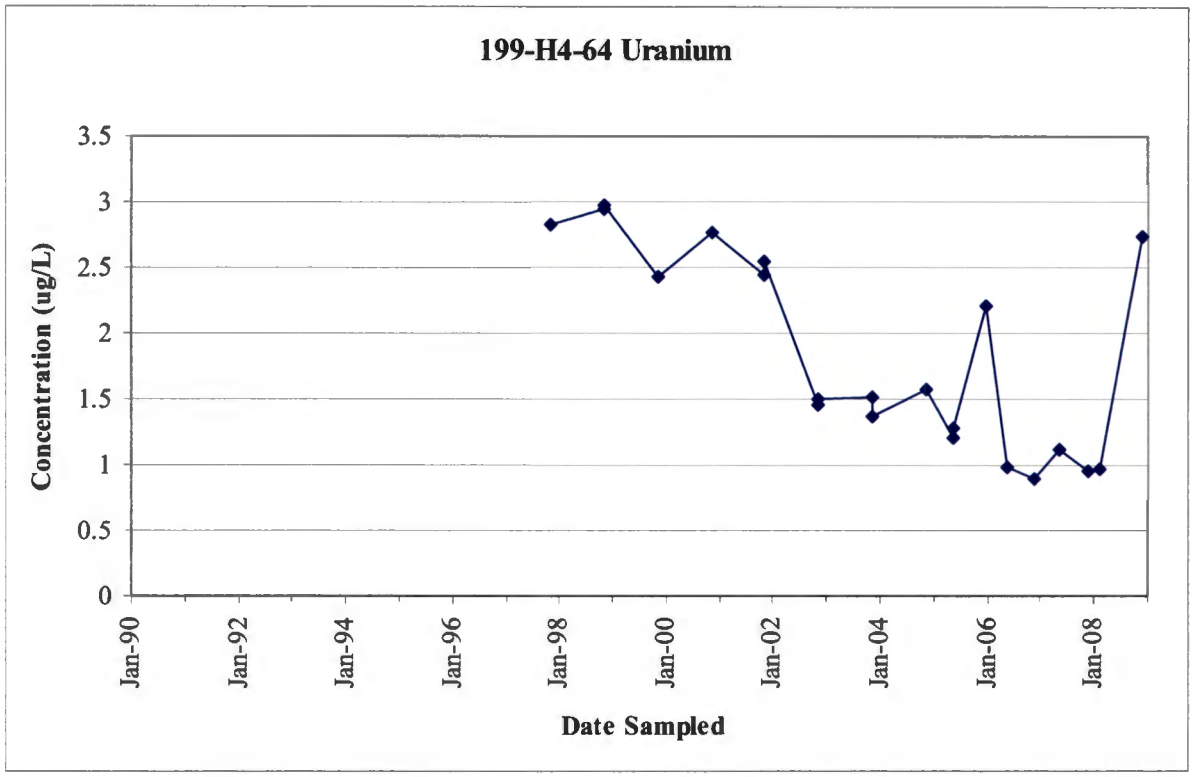

199-H4-18 Uranium
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

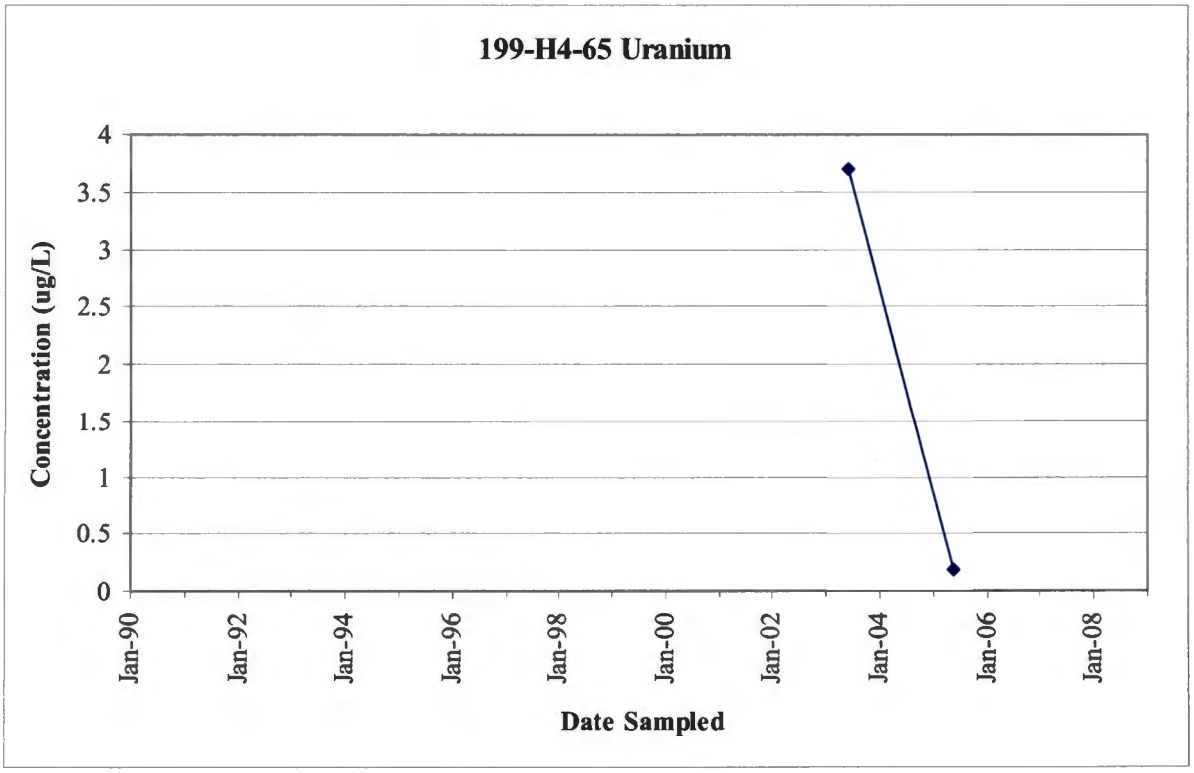

199-H4-3 Uranium
Concentration (ug/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

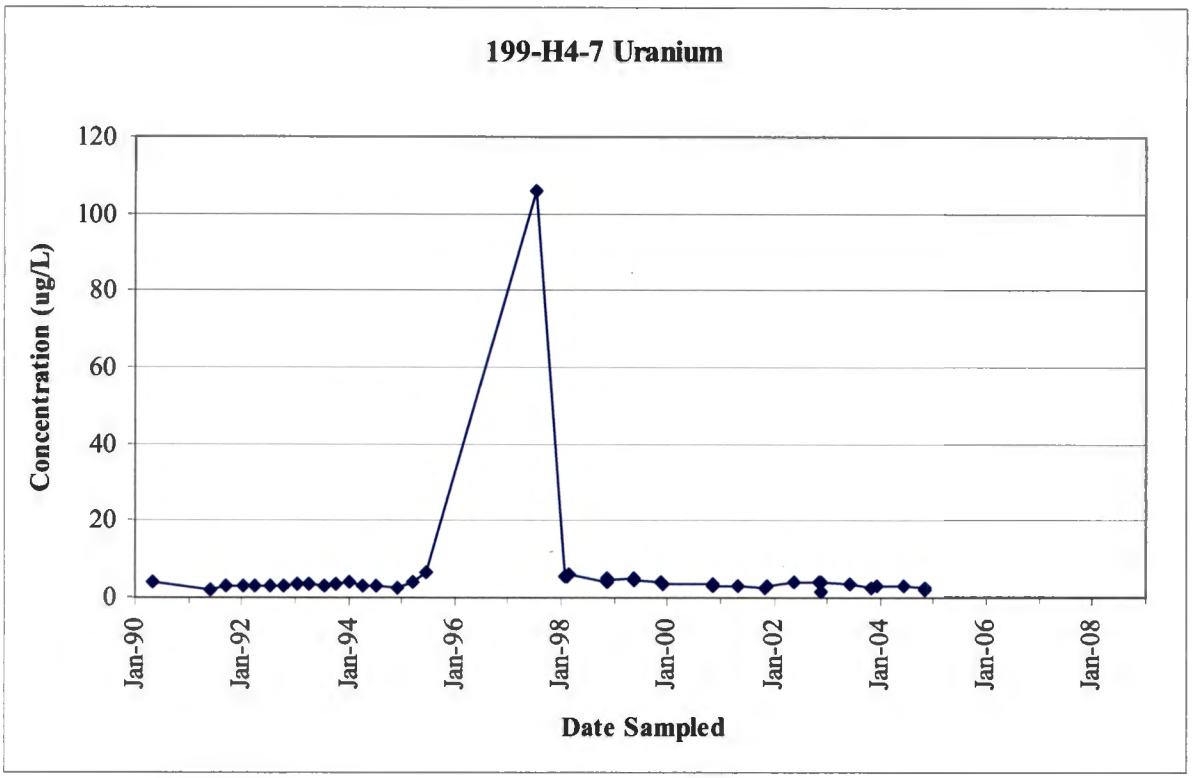

199-H4-4 Uranium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

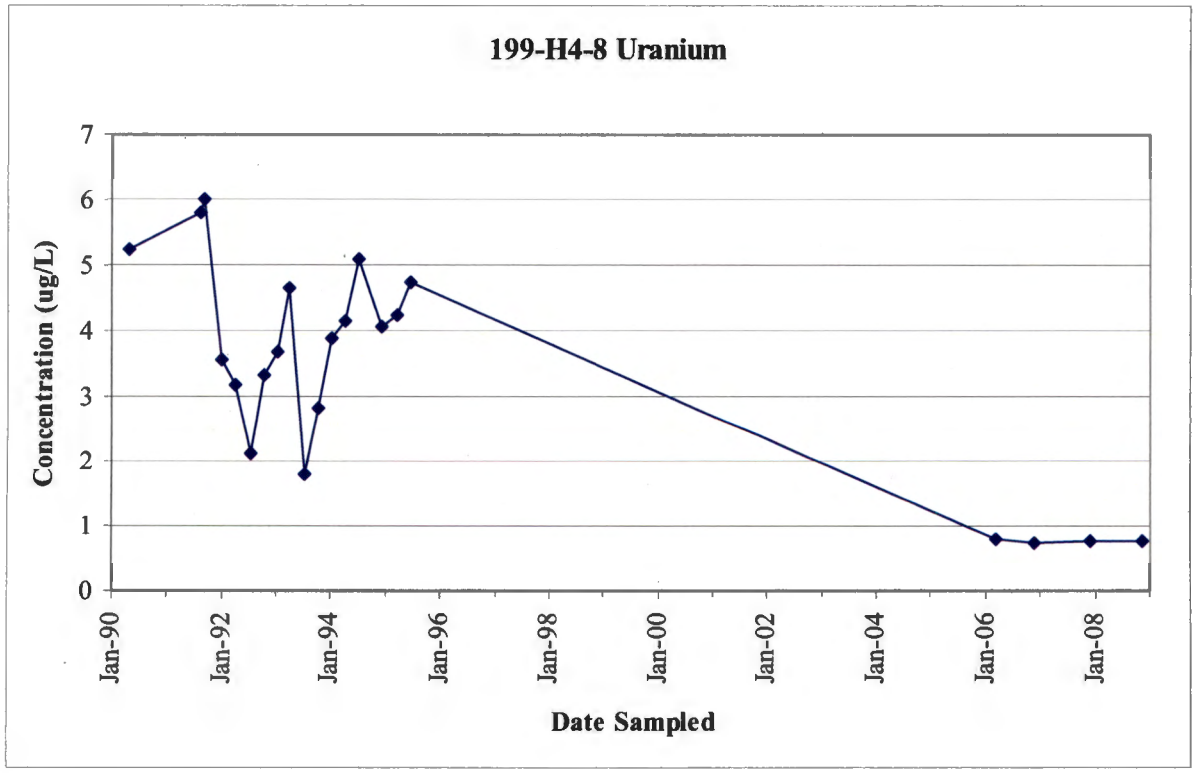

199-H4-5 Uranium
Concentration (ug/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-63 Uranium
Concentration (ug/L)
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-64 Uranium
Concentration (ug/L)
3.5
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-65 Uranium
Concentration (ug/L)
4
3.5
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-7 Uranium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-H4-8 Uranium
Concentration (ug/L)
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

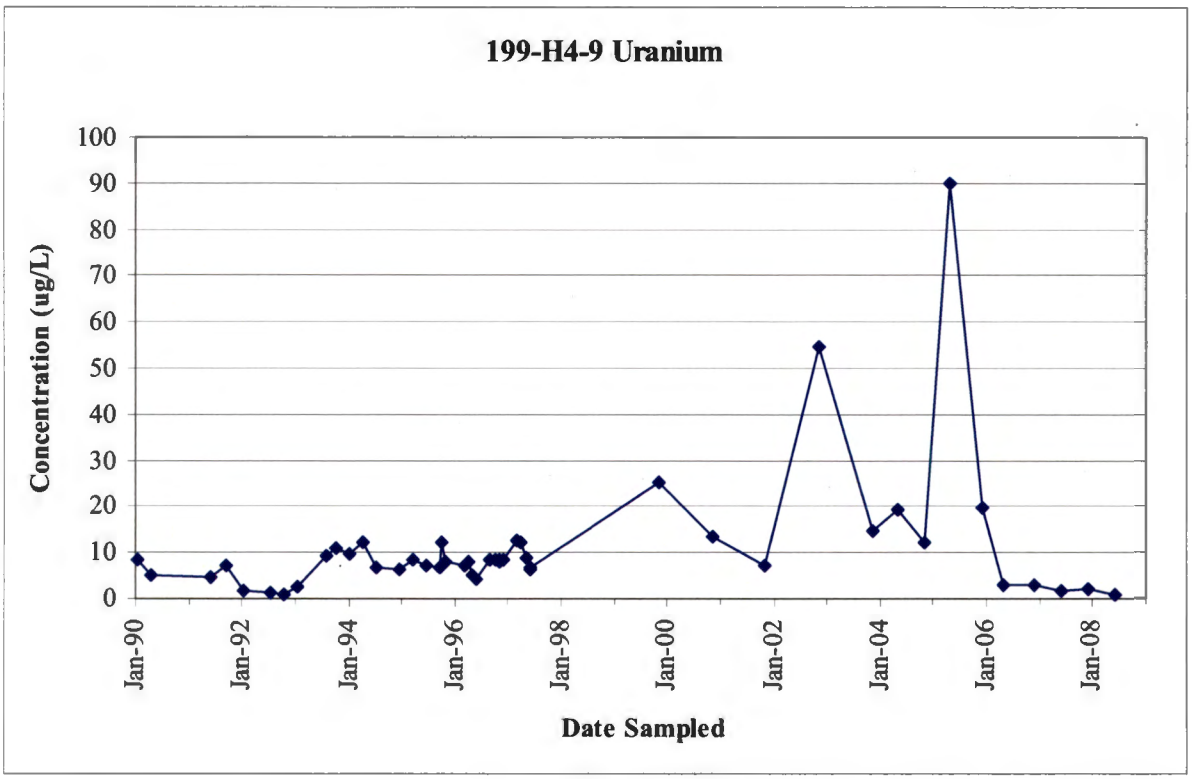

199-H4-9 Uranium
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

Table E-1. Hexavalent and Total Chromium Concentrations in 2007 and 2008 for Wells and Aquifer Tubes Monitoring the 100-HR-3 (D) and DR-5 Pump-and-Treat Systems. (2 pages)

System	Well or Aquifer Tube Name	Well Use or Aquifer Tube	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. (Negative = Decrease)		
			Unfiltered Cr^{+6}		Total Chromium			Unfilt. Cr^{+6}		Total Chromium					
			Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (µg/L)	Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt (µg/L)	Cr^{+6}	Total Chromium	
														Unfilt.	Filt.
	199-D5-13	M	12/5/07	808	12/5/07	795	774	11/23/08	568	11/23/08	505	486	-29.7	-36.5	-37.2
	199-D5-14	M	11/6/07	888	11/6/07	852	841	11/23/08	1,370	11/23/08	1,230	1,170	54.3	44.4	39.1
	199-D5-15	M	11/6/07	852	11/6/07	848	878	11/19/08	815	11/19/08	766	781	-4.3	-9.7	-11.0
	199-D5-16	M	11/14/07	156	11/14/07	177	177	11/20/08	633	11/20/08	600.5	606.5	305.8	239.3	242.7
	199-D5-17	M	--	--	11/14/07	21.1	12.4	--	--	11/23/08	--	15.5 (B)	--	--	25.0
	199-D5-18	M	--	--	--	--	--	--	--	--	--	--	--	--	--
	199-D5-19	M	--	--	--	--	--	--	--	--	--	--	--	--	--
DR-5	199-D5-20	E	11/14/07	260	11/14/07	276	283	11/20/08	178	11/20/08	168	163	-31.5	-39.1	-42.4
DR-5	199-D5-32	E	11/27/07	143	11/27/07	122 (C)	131 (C)	11/20/08	64	--	--	--	-55.2	--	--
	199-D5-33	M	12/4/07	4.2 (B)	--	--	--	11/20/08	2.5	--	--	--	-40.5	--	--
	199-D5-36	M	11/16/07	2.6 (B)	11/16/07	6.6	4.1	11/20/08	3.8	11/20/08	13 (U)	13 (U)	46.2	--	--
	199-D5-37	M	11/27/07	57.9	NS	--	--	11/24/08	67.6	11/24/08	66	63.6 (B)	16.8	--	--
DR-5	199-D5-39	E	11/6/07	1,770	11/6/07	1,770	1,810	11/20/08	2,035	11/20/08	1840	1865	15.0	4.0	3.0
	199-D5-41	M	12/6/07	20.1	12/6/07	13.2	23.2	11/20/08	10.4	11/20/08	13.2 (B)	13 (U)	-48.3	0.0	--
	199-D5-42	I	--	--	--	--	--	--	--	--	--	--	--	--	--
	199-D5-44	M	11/6/07	3.7 (B)	11/6/07	35.4	29.9	11/20/08	7.7	11/20/08	13 (U)	13 (U)	108.1	--	--
DR-5	199-D5-92	E	11/28/07	97.9	--	--	--	--	--	--	--	--	--	--	--
	199-D8-3	M	--	--	--	--	--	--	--	--	--	--	--	--	--
	199-D8-4	M	--	--	12/6/07	215	182	11/20/08	205	11/20/08	208	195	--	-3.3	7.1
	199-D8-5	M	--	--	12/4/07	342		11/20/08	471	11/20/08	475	464	--	38.9	
	199-D8-6	M	12/5/07	280	--	--	--	11/20/08	202	--	--	--	-27.9	--	--
HR-3	199-D8-53	E	11/27/07	83	--	--	--	11/3/08	87	--	--	--	4.8	--	--
HR-3	199-D8-54A	E	11/27/07	94	--	--	--	11/3/08	88	--	--	--	-6.4	--	--
	199-D8-54B	M	11/28/07	5.2 (B)	11/28/07	11.1	5.8	11/23/08	4.1 (B)	11/23/08	13 (U)	13 (U)	-21.2	--	--
	199-D8-55	M	11/16/07	13.9	11/16/07	19	14.8	11/20/08	19	11/20/08	19.1 (B)	20.7 (B)	36.7	0.5	28.5
HR-3	199-D8-68	E	12/4/07	122	12/4/07	116	111	11/24/08	117	--	--	--	-4.1	--	--
	199-D8-69	C	11/7/07	46.8	--	--	--	11/20/08	48	--	--	--	2.6	--	--
	199-D8-70	C	11/7/07	84.8	11/7/07	119 (C)	114 (C)	11/20/08	71.1	--	--	--	-16.2	--	--
	199-D8-71	M	12/4/07	156	--	--	--	11/20/08	157	--	--	--	0.6	--	--
HR-3	199-D8-72	E	12/4/07	676	12/4/07	636	644	11/3/08	804	--	--	--	18.9	--	--
	199-D8-73	M	11/7/07	185	11/7/07	207		11/20/08	215	--	--	--	16.2	--	--
	199-D8-88	M	12/4/07	76.7	12/4/07	76.3	76.6	11/20/08	111	--	--	--	44.7	--	--
	699-96-49	--	--	--	--	--	--	--	--	--	--	--		--	--

Table E-1. Hexavalent and Total Chromium Concentrations in 2007 and 2008 for Wells and Aquifer Tubes Monitoring the 100-HR-3 (D) and DR-5 Pump-and-Treat Systems. (2 pages)

System	Well or Aquifer Tube Name	Well Use or Aquifer Tube	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. (Negative = Decrease)		
			Unfiltered Cr^{+6}		Total Chromium			Unfilt. Cr^{+6}		Total Chromium					
			Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (µg/L)	Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt (µg/L)	Cr^{+6}	Total Chromium Unfilt.	Total Chromium Filt.
Chromium Source Investigation Wells															
	199-D5-97	M	11/29/07	550	11/29/07	541	531	11/19/08	434	--	--	--	-21.1	--	--
	199-D5-98	M	11/29/07	419	11/29/07	401	402	11/17/08	182	--	--	--	-56.6	--	--
	199-D5-99	M	12/27/07	7,900	11/29/07	6,440	6,200	11/17/08	4,860	--	--	--	-38.5	--	--
	199-D5-102	M	11/29/07	502	11/29/07	482	475	11/23/08	439	--	--	--	-12.5	--	--
	199-D5-103	M	11/29/07	158	11/29/07	144	148	11/19/08	135	--	--	--	-14.6	--	--
	199-D5-104	M	11/29/07	10,900	11/29/07	9,970	10,500	12/3/08	8,080	--	--	--	-25.9	--	--
	199-D5-115	M	9/5/07	2 (U)	--	--	--	--	--	--	--	--	--	--	--
Aquifer Sampling Tubes															
	36-S/D	AT	11/14/07	61.2	--	--	--	12/10/08	83.8	--	--	--	36.9	--	--
	38-M/D	AT	11/15/07	27.6	--	--	--	12/10/08	5.5	--	--	--	-80.1	--	--
	AT-D-1-M/D	AT	11/14/07	11.5	11/14/07	5.5	4 (U)	12/9/08	2 (U)	--	--	--	--	--	--
	AT-D-2-M	AT	11/14/07	40.8	--	--	--	12/9/08	8.8	--	--	--	-78.4	--	--
	AT-D-3-D	AT	11/14/07	71.4	--	--	--	12/9/08	13.2	--	--	--	-81.5	--	--
	AT-D-4-D	AT	--	--	--	--	--	--	--	--	--	--	--	--	--
	DD-12-2	AT	11/15/07	16.4	--	--	--	--	--	--	--	--	--	--	--
	DD-15-3	AT	11/14/07	10.2	--	--	--	--	--	--	--	--	--	--	--
	DD-16-3	AT	11/14/07	24.2	--	--	--	--	--	--	--	--	--	--	--
	DD-17-2/3	AT	11/14/07	37	--	--	--	--	--	--	--	--	--	--	--

NOTES:
1. Wells 199-D5-13 and 199-D5-41 were used as extraction wells for the electrocoagulation testing conducted during 2007. The well use has reverted to monitoring wells.
2. Change in hexavalent chromium or total chromium was calculated using only equivalent analytes.
3. Well use abbreviations: M = monitoring well, E = extraction well, C = compliance well, and AT = aquifer tube.
4. Wells 199-D5-97 through 199-D5-104 are part of the chromium source investigation in the 100-D Area and the first available 2007 results (mostly spring 2007) are the baseline results.
5. Baseline hexavalent chromium results may be either filtered or unfiltered; the 2007 hexavalent chromium results are all unfiltered.
6. Laboratory qualifiers: U = undetected (shown with detection limit in parentheses); B = detected above instrument or method detection limit, but below contract-required detection; D = sample diluted; C = analyte detected in both the sample and associated quality control blank, and the sample concentration was ≤5 times the blank concentration; L = method detection limit ≤ value < contract-required detection limit.
7. Blank cells indicate that the sample was not collected, the analysis was not performed, or the change in concentration was not calculated.
8. If more than one sample was collected on the same date, the results were averaged.
9. Change in concentration not calculated if one result included an undetect (U) laboratory qualifier.

Table E-2. Comparison of Co-Contaminants in 2007 and 2008 for Wells and Aquifer Tubes Monitoring the 100-HR-3 (D) and DR-5 Pump-and-Treat Systems. (2 pages)

Well or Aquifer Tube Name	Well Use or Aquifer Tube	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. (Negative = Decrease)			
		Dates Collected	Sr-90 (pCi/L)	Tritium (pCi/L)	Nitrate (mg/L)	Sulfate (mg/L)	Date Collected	Sr-90 (pCi/L)	Tritium (pCi/L)	Nitrate (mg/L)	Sulfate (mg/L)	Sr-90	Tritium	Nitrate	Sulfate
199-D5-13	E/M	12/5/07	--	1,200	47.4	91.4	11/23/08	--	790	64.6	91.4	--	-34.2	36.3	0.0
199-D5-14	M	11/6/07	--	5,100	70.4	124	11/23/08	--	3,900	66.4	117	--	-23.5	-5.7	-5.6
199-D5-15	M	11/6/07	--	2,800	66	112	11/19/08	--	2,200	66	116	--	-21.4	0.0	3.6
199-D5-16	M	11/14/07	--	9,600	74.8	140	11/20/08	--	8,000	69.5	133.5	--	-16.7	-7.1	-4.6
199-D5-17	M	11/14/07	--	12,000	64.8	98.2	11/23/08	--	12000	59.3	98.8	--	0.0	-8.5	0.6
199-D5-18	M	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-D5-19	M	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-D5-20	E	11/14/07	--	370	19.9	48.4	11/20/08	--	260	22	56.4	--	-29.7	10.6	16.5
199-D5-32	E	11/27/07	--		26.6	66.5	11/20/08	--	280	27.7	72.2	--	--	4.1	8.6
199-D5-33	M/I	--	--	--	--	--	--	--	--	--	--	--	--		
199-D5-36	M	11/16/07	--	21 (U)	4.1	16.8	11/20/08	--	48 (U)	6.15	19.5	--	--	50.0	16.1
199-D5-37	E	11/27/07	0.30 (U)	--	--	27.1	11/24/08	-0.29 (U)	--	15.4	39.6	--	--		46.1
199-D5-39	E	11/6/07	0.251 (U)	74 (U)	42.5	98.6	11/20/08	-1.2 (U)	76 (U)	46.4	105.5	--	--	9.2	7.0
199-D5-41	E/M	12/6/07	--	940	31.4	69.9	11/20/08	--	340	31	70.4	--	-63.8	-1.3	0.7
199-D5-42	M/I	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-D5-44	M	11/6/07	--	130 (U)	7.13	21.2	11/20/08		-18 (U)	5.89	19	--	--	-17.4	-10.4
199-D5-92	E	11/28/07	--	--	15	37.2	11/20/08	-1.8 (U)	500	18.4	47.4	--	--	22.7	27.4
199-D8-3	M	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-D8-4	M	12/6/07	--	610	85.9	128	11/20/08	--	280	85	121	--	-54.1	-1.0	-5.5
199-D8-5	M	12/4/07	--	980	50.5	87.3	11/20/08	--	1,100	48.3	93.1	--	12.2	-4.4	6.6
199-D8-6	M	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-D8-53	E	11/27/07	--	4,400	28.9	--	12/2/08	2	4,500	--	--	--	2.3	--	--
199-D8-54A	E	11/27/07	4.7	8,000	46.5	--	11/24/08	45	8,000	--	--	857.4	0.0	--	--
199-D8-54B	M	11/28/07	--	8.1 (U)	2.25	64.9	11/23/08	--	25 (U)	2.28	65.2	--	--	--	--
199-D8-55	M	11/16/07	0.448 (U)	96 (U)	5.93	15.3	11/20/08		-23 (U)	7.15	17.1	--	--	20.6	11.8
199-D8-68	E	11/27/07; 12/4/07	7.65	3,750	32.8	83	11/24/08	59	4,200	34.6	89.1	671.2	12.0	5.5	7.3
199-D8-69	C	11/7/07	0.207 (U)	1,900	--	--	11/20/08	-0.66 (U)	1,800	--	--	--	-5.3		
199-D8-70	C	11/7/07	1.09	5,200	32.3	98.1	11/20/08	0.3 (U)	3,900	29	92.4	--	-25.0	-10.2	-5.8
199-D8-71	M	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-D8-72	E	11/27/07	0.21 (U)	1,700	57.1	99.2	12/2/08	1.6	1,600	54.9	100	--	-5.9	-3.9	0.8
199-D8-73	M	11/7/07	-0.0314 (U)	200 (U)	37.2	74.7	11/20/08	-0.33 (U)	160 (U)	34	71.8	--	--	-8.6	-3.9

Table E-2. Comparison of Co-Contaminants in 2007 and 2008 for Wells and Aquifer Tubes Monitoring the 100-HR-3 (D) and DR-5 Pump-and-Treat Systems. (2 pages)

Well or Aquifer Tube Name	Well Use or Aquifer Tube	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. (Negative = Decrease)			
		Dates Collected	Sr-90 (pCi/L)	Tritium (pCi/L)	Nitrate (mg/L)	Sulfate (mg/L)	Date Collected	Sr-90 (pCi/L)	Tritium (pCi/L)	Nitrate (mg/L)	Sulfate (mg/L)	Sr-90	Tritium	Nitrate	Sulfate
199-D8-88	M	12/4/07	0.109 (U)	102.5 (U)	31.9	60.7	11/20/08	-0.48	90 (U)	28.7	59.2	--	--	-10.0	-2.5
Chromium Source Investigation Wells															
199-D5-97	M	11/29/07	--	--	51.8	101	11/19/08	--	--	56.2	109	--	--	8.5	7.9
199-D5-98	M	11/29/07	--	--	54.9	113	11/17/08	--	--	50.9	110	--	--	-7.3	-2.7
199-D5-99	M	12/27/07	--	--	37	110	11/17/08	--	--	26.9	81.4	--	--	-27.3	-26.0
199-D5-102	M	11/29/07	--	--	58.9	156	11/23/08	--	--	66.8	205	--	--	13.4	31.4
199-D5-103	M	11/29/07	--	--	58.9	123	11/19/08	--	--	65.2	140	--	--	10.7	13.8
199-D5-104	M	11/29/07	--	--	69.5	145	11/23/08	--	--	44	103.5	--	--	-36.7	-28.6
Aquifer Sampling Tubes															
36-S/D	AT	11/14/07	--	--	0.092 (B)	14.6	12/10/08	--	--	0.1 (U)	16.2	--	--	--	11.0
38-M/D	AT	11/15/07	--	--	0.1 (B)	10.5	12/10/08	--	--	0.1 (U)	10	--	--	--	-4.8
AT-D-1-M/D	AT	11/14/07	--	--	6.64	19.3	12/9/08	--	--	6.68	16.3	--	--	0.6	-15.5
AT-D-2-M	AT	11/14/07	--	--	1.84	15.4	12/9/08	--	--	0.4 (B)	18.4	--	--	-78.3	19.5
AT-D-3-D	AT	11/14/07	--	--	2.29	26.7	12/9/08	--	--	0.1 (U)	25.6	--	--	--	-4.1
AT-D-4-D	AT	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NOTES:
1. Blank cells indicate no sample collected, or analysis not performed, or change in concentration not calculated.
2. Wells 199-D5-13 and 199-D5-41 were utilized as extraction wells for the electrocoagulation testing conducted during 2007. The well use has reverted to monitoring wells.
3. Well use abbreviations: M = monitoring well, E = extraction well, I = injection well, C = compliance well, and AT = aquifer tube.
4. Laboratory qualifiers: U = undetected, J = reported value is an estimate (analyte was detected but has potentially higher error values associated with the result.).

Table E-3. Hexavalent and Total Chromium Concentrations in 2007 and 2008 for Wells and Aquifer Tubes Monitoring the 100-HR-3 (H) Pump-and-Treat System. (2 pages)

Well or Aquifer Tube Name	Well Use or Aquifer Tube	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. (Negative = Decrease)		
		Filtered and Unfiltered Cr^{+6}		Total Chromium			Unfilt. Cr^{+6}		Total Chromium					
		Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (µg/L)	Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (µg/L)	Cr^{+6}	Unfilt. Total Cr	Filt. Total Cr
199-H3-2A	M	--	--	11/28/07	14.2	9.3	11/21/08	5	--	--	--	--	--	--
199-H3-2B	M	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H3-2C	M	--	--	11/28/07	45.4	45.4	--	--	--	--	--	--	--	--
199-H3-3	M	11/7/07	24.8	--	--	--	--	--	--	--	--	--	--	--
199-H3-4	M	11/7/07	27.4	--	--	--	--	--	--	--	--	--	--	--
199-H3-5	M	11/14/07	65.6	--	--	--	--	--	--	--	--	--	--	--
199-H4-2	M	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-3	E	11/27/07	5	12/18/07	11.6	12.3	11/3/08	9	11/10/08	10 (U)	11.3 (B), 10 (U)	80.0	--	-8.1
199-H4-4	E	12/6/07	17.6	12/6/07	13.5	6.6	12/1/08	12	--	--	--	-31.8	--	--
199-H4-5	C	11/7/07	5.9	11/7/07	41 (C)	40.3 (C)	11/21/08	5.6	11/21/08	18.4 (B)	13 (U)	-5.1	-55.1	--
199-H4-6	M	11/28/07	9	--	--	--	11/21/08	5.8	11/21/08	13 (U)	13 (U)	-35.6	--	--
199-H4-7	I	NS	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-8	M	11/30/07	4.6	11/30/07	20.6	13.2	11/10/08	3.7	11/10/08	21.9	10 (U)	-19.6	6.3	--
199-H4-9	M	11/7/07	19.3	11/30/07	28	12.8	11/10/08	3.6	11/10/08	38.4	10 (U), 6.4 (B)	-81.3	37.1	-50.0
199-H4-10	M	11/14/07	16.6	11/14/07	50.6 (C)	45.8 (C)	11/21/08	11.4	11/21/08	19.1 (B)	15.8 (B)	-31.3	-62.3	-65.5
199-H4-11	M	11/7/07	8.4	--	--	--	11/10/08	8	--	--	--	-4.8	--	--
199-H4-12A	E	11/27/07	19.7	12/6/07	19.6	19.7	11/3/08	18	11/10/08	15.9 (B)	15.6 (B)	-8.6	-18.9	-20.8
199-H4-12B	M	11/14/07	29.3	--	--	--	11/21/08	26.7	--	--	--	-8.9	--	--
199-H4-12C (deep well)	M	11/30/07	84.9	11/30/07	90.3	84.6	11/10/08	86.6	11/10/08	87.2	88.8	2.0	-3.4	5.0
199-H4-13	M	11/7/07	9.7	11/7/07	42.7 (C)	41.7 (C)	11/21/08	12	11/21/08	13.6 (B)	13 (U)	23.7	-68.1	
199-H4-14	I	NS	--	NS	--	--	--	--	--	--	--	--	--	--
199-H4-15A	E	11/27/07	25	11/27/07	27.5 (C)	23.1 (C)	11/3/08	24	--	--	--	-4.0	--	--
199-H4-15B	M	12/6/07	44.1	NS	--	--	11/21/08	28.9	--	--	--	-34.5	--	--
199-H4-15CP (deep well)	M	--	--	12/6/07	6.2	4 U	11/24/08	8.7	--	--	--	--	--	--
199-H4-15CQ (deep well)	M	--	--	12/6/07	26.2	16.9	11/24/08	2 (U)	--	--	--	--	--	--
199-H4-15CR (deep well)	M	--	--	1/3/08	51.7	49.9	11/24/08	2.3 (B)	--	--	--	--	--	--
199-H4-15CS (deep well)	M	1/3/08	157	1/3/08	92.8	100	11/24/08	98	--	--	--	-37.6	--	--
199-H4-16	M	11/30/07	2.6 B	11/30/07	13.2		11/11/08	4.6	--	--	--	76.9	--	--
199-H4-17	I	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-18	I	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-45	M	12/27/07	2.7	12/27/07	10.1	6.2	--	--	11/21/08	13 (U)	13 (U)	--	--	--
199-H4-46	M	11/30/07	6.4	11/30/07	16.1	15.6	11/21/08	3.2	11/21/08	13 (U)	13 (U)	-50.0	--	--
199-H4-47	M	NS	--	11/30/07	20.5	11	--	--	--	--	--	--	--	--
199-H4-48	M	11/30/07	5.2	11/30/07	15	10.6	11/21/08	5.3	--	--	--	1.9	--	--
199-H4-49	M	12/27/07	26.3	12/27/07	27.4	25	11/21/08	27.9	--	--	--	6.1	--	--
199-H4-63	E	11/27/07	14.7	11/30/07	20.5	26.7	11/3/08	18	--	--	--	22.4	--	--
199-H4-64	E	11/27/07	19.7	--	--	--	11/3/08	22	--	--	--	11.7	--	--

Table E-3. Hexavalent and Total Chromium Concentrations in 2007 and 2008 for Wells and Aquifer Tubes Monitoring the 100-HR-3 (H) Pump-and-Treat System. (2 pages)

Well or Aquifer Tube Name	Well Use or Aquifer Tube	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. (Negative = Decrease)		
		Filtered and Unfiltered Cr^{+6}		Total Chromium			Unfilt. Cr^{+6}		Total Chromium					
		Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (µg/L)	Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (µg/L)	Cr^{+6}	Unfilt. Total Cr	Filt. Total Cr
199-H4-65	M	12/6/07	13.8	--	--	--	11/21/08	5.6	--	--	--	-59.4	--	--
199-H5-1A	M	12/6/07	11.3	12/6/07	4.1	4 (U)	11/10/08	11.7	--	--	--	3.5	--	--
199-H6-1	M	--	--	12/6/07	11.5	4 (U)	--	--	11/9/08	17.3 (B)	12.2 (B)	--	50.4	--
Aquifer Tubes														
45-D	AT	11/12/07	9.7	--	--	--	--	--	--	--	--	--	--	--
46-D	AT	--	--	--	--	--	--	--	--	--	--	--	--	--
47-M/D	AT	11/13/07	13.5	--	--	--	--	--	--	--	--	--	--	--
48-S/M	AT	11/13/07	22.4	--	--	--	12/11/08	8	--	--	--	-64.3	--	--
49-D/S	AT	11/13/07	9.7	--	--	--	--	--	--	--	--	--	--	--
50-M/D	AT	11/13/07	16	--	--	--	--	--	--	--	--	--	--	--
AT-H-1-D/S	AT	11/12/07	22.4	--	--	--	12/8/08	8.7	--	--	--	-61.2	--	--
AT-H-2-D/M	AT	11/12/07	13.5	--	--	--	12/8/08	2 (U)	--	--	--		--	--
AT-H-3-D	AT	11/13/07	19.8	--	--	--	12/8/08	7.7	--	--	--	-61.1	--	--

NOTES:
1. Blank cells indicate sample not collected, analysis not performed, or no percent change calculated.
2. Laboratory qualifier s: U = undetected (shown with detection limit in parentheses); B = detected above instrument or method detection limit, but below contract-required detection limit; C = analyte detected in both the sample and associated quality control blank and the sample concentration was ≤5 times the blank concentration; N = spike recovery is outside control limits.
3. Baseline hexavalent chromium concentrations may be from either filtered or unfiltered samples; fall 2007 chromium analyses represent only unfiltered samples.
4. Well use abbreviations: M = monitoring well, C = compliance well, E = extraction well, and AT = aquifer tube.

Table E-4. Co-Contaminant Concentrations in 2007 and 2008 for Wells and Aquifer Tubes Monitoring the 100-HR-3 (H) Pump-and-Treat System. (2 pages)

Well or Aquifer Tube Name	Well Use or Aquifer Tube	Fall 2007 Sample						Fall 2008 Sample						Percent Change in Conc. Since Baseline Sampling (Negative = Decrease)				
		Date Collected	Sr-90 (pCi/L)	Tc-99 (pCi/L)	Tritium (pCi/L)	Uranium (µg/L)	Nitrate (mg/L)	Date Collected	Sr-90 (pCi/L)	Tc-99 (pCi/L	Tritium (pCi/L)	Uranium (µg/L)	Nitrate (mg/L)	Sr-90	Tc-99	Tritium	Uranium	Nitrate
199-H3-2A	M	11/28/07	--	--	--	--	20.8	11/21/08	-1.2 (U)	-3.5	1,800	0.449	20.5	--	--	--	--	-1.4
199-H3-2B	M	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H3-2C	M	11/28/07	--	--	--	--	14.7	--	--	--	--	--	--	--	--	--	--	--
199-H3-3	M	11/9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H3-4	M	11/9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H3-5	M	11/9/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-2	M	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-3	E	11/27/07	1.4 (U)	31	--	7.6	34	11/10/08	-1.4 (U)	45	2,850	7.7	39.2	--	45.2	--	1.3	15.3
199-H4-4	E	11/27/07; 12/6/07	3.16	21.2	--	6.18	25.9	11/10/08	0.158 (U)	17	2,220	5.48	28.6	--	-19.8	--	-11.3	10.4
199-H4-5	C	11/7/07	0.182 (U)	0.6 U	--	--	20.7	11/21/08	0.28 (U)	0.8 (U)	2,000	0.943	24.8	--	--	--	--	19.8
199-H4-6	M	--	--	--	--	--	--	11/21/08	--	--	2,200	--	24.9	--	--	--	--	--
199-H4-7	I	--	--	--	--	--	--		--	--	--	--		--	--	--	--	--
199-H4-8	M	11/30/07	--	-3.13 (U)		0.766	24.9	11/10/08	--	0.2 (U)	--	0.761	27.5	--	--	--	-0.7	10.4
199-H4-9	M	11/30/07	--	13.1	1900	2.18	25.8	11/10/08	--	--	--	--	27.6	--	--	--	--	7.0
199-H4-10	M	11/14/07	--		1400	--	21.2	11/21/08	--	--	980	--	--	--	--	-30.0	--	--
199-H4-11	M	--	--	--	--	--	--	11/10/08	8.5	-2.6 (U)	2,880	1.1	29.5	--	--	--	--	--
199-H4-12A	E	11/27/07	2.2	15	1,400	4.88	21.7	11/10/08	-1.0 (U)	23	2,155	6.28	29.6	--	53.3	53.9	28.7	36.4
199-H4-12B	M	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-12C (deep well)	M	11/30/07	--	-3.73 (U)	180 (U)	1.45	5.1	11/10/08	--	-1.2 (U)	57.6 (U)	1.8	4.9	--	--	--	24.1	-3.9
199-H4-13	M	11/7/07	--		2,000	--	29.1	11/21/08	--	--	2,200	--	32.9	--	--	10.0	--	13.1
199-H4-14	I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-15A	E	11/27/07	-0.078 (U)	3.5 (U)	2,700	0.72	25.1	11/10/08	--	-2 (U)	2,600	0.614	23.3	--	--	-3.7	-14.7	-7.2
199-H4-15B	M	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-15CP (deep well)	M	12/6/07	--	8.21 (U)	-8.1 (U)	1.43	19.3	11/24/08	--	--	--	--	--	--	--	--	--	--
199-H4-15CQ (deep well)	M	12/6/07	--	--	--	--	0.9	11/24/08	--	--	--	--	--	--	--	--	--	--
199-H4-15CR (deep well)	M	--	--	--	--	--	--	11/24/08	--	--	--	--	--	--	--	--	--	--
199-H4-15CS (deep well)	M	--	--	--	--	--	--	11/24/08	--	--	--	--	--	--	--	--	--	--
199-H4-16	M	11/30/07	4.67	--	--	--	20.2	11/11/08	--	--	--	--	--	--	--	--	--	--
199-H4-17	I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-18	I	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-H4-45	M	12/27/07	10.1	--	1,600	--	25.6	11/21/08	--	--	1,400	--	27.3	--	--	-12.5	--	6.6
199-H4-46	M	11/30/07	2.34	--	--	--	43.2	11/21/08	--	--	470	--	37.3	--	--	--	--	-13.7
199-H4-47	M	11/30/07	0.143 (U)	--	1,400	--	23.6	--	--	--	--	--	--	--	--	--	--	--
199-H4-48	M	11/30/07	--	--	1,900	--	22	11/21/08	--	--	--	--	--	--	--	--	--	--
199-H4-49	M	12/27/07	--	--	4,400	--	42	11/21/08	--	--	--	--	--	--	--	--	--	--
199-H4-63	E	11/27/07; 11/30/07	24.8	0.4 (U)	1,200	1.52	17.9	11/10/08	20.9	-0.9 (U)	1,870	2.15	24.3	-15.7	--	55.8	41.4	35.8

Table E-4. Co-Contaminant Concentrations in 2007 and 2008 for Wells and Aquifer Tubes Monitoring the 100-HR-3 (H) Pump-and-Treat System. (2 pages)

Well or Aquifer Tube Name	Well Use or Aquifer Tube	Fall 2007 Sample						Fall 2008 Sample						Percent Change in Conc. Since Baseline Sampling (Negative = Decrease)				
		Date Collected	Sr-90 (pCi/L)	Tc-99 (pCi/L)	Tritium (pCi/L)	Uranium (µg/L)	Nitrate (mg/L)	Date Collected	Sr-90 (pCi/L)	Tc-99 (pCi/L	Tritium (pCi/L)	Uranium (µg/L)	Nitrate (mg/L)	Sr-90	Tc-99	Tritium	Uranium	Nitrate
199-H4-64	C/E	11/27/07	-1.3 (U)	1.5 (U)	1,900	0.952	21.1	11/24/08	-1.6 (U)	-4 (U)	1,800	2.73	21.2	--	--	-5.3	186.8	0.5
199-H4-65	E/M	--	--	--	--	--	--	11/21/08	--	--	--	--	--	--	--	--	--	--
199-H5-1A	M	12/6/07	--	--	2,835	--	26.2	11/10/08	--	--	--	--	--	--	--	--	--	--
199-H6-1	M	12/6/07	6.37	--	2,300	--	44.3	11/9/08	--	--	2,000	--	40.2	--	--	-13.0	--	-9.3
Aquifer Tubes																		
45-D	AT	11/12/07	--	--	--	--	2.3	--	--	--	--	--	--	--	--	--	--	--
46-D	AT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
47-M/D	AT	11/13/07	11	--	--	--	20.6	--	--	--	--	--	--	--	--	--	--	--
48-M/S	AT	11/13/07	--	--	--	--	38.3	12/11/08	--	--	--	--	28.3	--	--	--	--	-26.1
49-D/S	AT	11/13/07	--	--	--	--	29.7	--	--	--	--	--	--	--	--	--	--	--
50-M/D	AT	11/13/07	--	--	--	--	44.7	--	--	--	--	--	--	--	--	--	--	--
AT-H-1-D	AT	11/12/07	--	3.51 (U)	--	1.4	21	12/8/08	--	-3.2 (U)	--	0.834	10.5	--	--	--	-40.4	-50.0
AT-H-2-D/M	AT	11/12/07	--	0.921 (U)	--	0.96	16.5	12/8/08	--	-1.3 (U)	--	0.585	2.8	--	--	--	-39.1	-83.0
AT-H-3-D/S	AT	11/13/07	--	5 (U)	--	2.32	13	12/8/08	1	0.7 (U)	--	1.73	10.7	--	--	--	-25.4	-17.7

NOTES:
1. Blank cells indicate that the sample was not collected, the analysis was not performed, or the change in concentration was not calculated.
2. Well use abbreviations: M = monitoring well, E = extraction well, C = compliance well, I = injection well, and AT = aquifer tube.
3. Laboratory qualifiers: U = undetected; B = detected above instrument or method detection limits, but less than the contract required quantitation limit; D = sample diluted, J = the reported result is estimated (the analyte was detected but the result has higher potential error factors associated with the result).

Table E-5. Co-Contaminant Concentrations in 2007 and 2008 for Wells and Aquifer Tubes Monitoring the "Horn" Area Between the 100-D and 100-H Areas. (2 pages)

Well or Aquifer Tube Name	Date Collected	Fall 2007 Sample			Date Collected	Fall 2008 Sample			Percent Change in Concentration Negative = Decrease)		
		Nitrate Unfilt. (mg/L)	Sulfate Unfilt. (mg/L)	Tritium Unfilt. (pCi/L)		Nitrate Unfiltered (mg/L)	Sulfate Unfiltered (mg/L)	Tritium Unfilt. (pCi/L)	Nitrate	Sulfate	Tritium
699-98-49A	--	--	--	--	--	--	--	--	--	--	--
699-96-49	12/7/07	22.2	76.6	1,700.00	--	--	--	--	--	--	--
699-97-43	12/7/07	22.7	66.4	4,300.00	--	--	--	--	--	--	--
699-96-43	1/31/08	29.6 (D)	59.6	5,000.00	--	--	--	--	--	--	--
699-100-43B	--	--	--	--	--	--	--	--	--	--	--
699-99-42B	--	--	--	--	--	--	--	--	--	--	--
699-99-41	--	--	--	--	--	--	--	--	--	--	--
699-99-44	--	--	--	--	--	--	--	--	--	--	--
699-98-43	--	--	--	--	--	--	--	--	--	--	--
699-97-41	--	--	--	--	--	--	--	--	--	--	--
699-98-46	--	--	--	--	--	--	--	--	--	--	--
699-97-45	--	--	--	--	--	--	--	--	--	--	--
699-95-45	--	--	--	--	--	--	--	--	--	--	--
699-94-43	--	--	--	--	--	--	--	--	--	--	--
699-97-48	--	--	--	--	--	--	--	--	--	--	--
699-97-48B	--	--	--	--	--	--	--	--	--	--	--
699-95-48	--	--	--	--	--	--	--	--	--	--	--
699-95-51	--	--	--	--	--	--	--	--	--	--	--
699-97-43B	--	--	--	--	--	--	--	--	--	--	--
699-94-41	--	--	--	--	--	--	--	--	--	--	--
699-101-45	--	--	--	--	--	--	--	--	--	--	--
699-96-52B	--	--	--	--	--	--	--	--	--	--	--
699-98-51	--	--	--	--	--	--	--	--	--	--	--
699-97-43C (deep well)	--	--	--	--	--	--	--	--	--	--	--
699-97-45B	--	--	--	--	--	--	--	--	--	--	--
699-97-48C (deep well)	--	--	--	--	--	--	--	--	--	--	--
699-97-51A	12/7/07	19.8	62	1,760.00	--	19.8	62	1,760.00	--	--	--

Table E-5. Co-Contaminant Concentrations in 2007 and 2008 for Wells and Aquifer Tubes Monitoring the "Horn" Area Between the 100-D and 100-H Areas. (2 pages)

Well or Aquifer Tube Name	Date Collected	Fall 2007 Sample			Date Collected	Fall 2008 Sample			Percent Change in Concentration Negative = Decrease)		
		Nitrate Unfilt. (mg/L)	Sulfate Unfilt. (mg/L)	Tritium Unfilt. (pCi/L)		Nitrate Unfiltered (mg/L)	Sulfate Unfiltered (mg/L)	Tritium Unfilt. (pCi/L)	Nitrate	Sulfate	Tritium
Aquifer Tubes											
43-M	11/12/07	14.3	39.6	--	--	--	--	--	--	--	--
44-M	11/12/07	20.7	46.9	--	--	--	--	--	--	--	--
C5632	--	--	--	--	--	--	--	--	--	--	--
C5633	--	--	--	--	--	--	--	--	--	--	--
C5634	--	--	--	--	--	--	--	--	--	--	--
C5635	--	--	--	--	--	--	--	--	--	--	--
C5636	--	--	--	--	--	--	--	--	--	--	--
C5637	--	--	--	--	--	--	--	--	--	--	--
C5638	--	--	--	--	--	--	--	--	--	--	--
C5644	--	--	--	--	--	--	--	--	--	--	--
C5673	--	--	--	--	--	--	--	--	--	--	--
C5674	--	--	--	--	--	--	--	--	--	--	--
C5676	--	--	--	--	--	--	--	--	--	--	--
C5677	--	--	--	--	--	--	--	--	--	--	--
C5678	--	--	--	--	--	--	--	--	--	--	--
C5679	--	--	--	--	--	--	--	--	--	--	--
C5680	--	--	--	--	--	--	--	--	--	--	--
C5681	--	--	--	--	--	--	--	--	--	--	--
C5682	--	--	--	--	--	--	--	--	--	--	--

NOTES:
1. Blank cells indicate that the sample was not collected, the analysis was not performed, or the change in concentration was not calculated.
2. Laboratory qualifiers: U = not detected in sample above detection limit; B = analyte detected at concentration below the contract-required detection limit, but above the method of instrument detection limit; D = sample diluted.