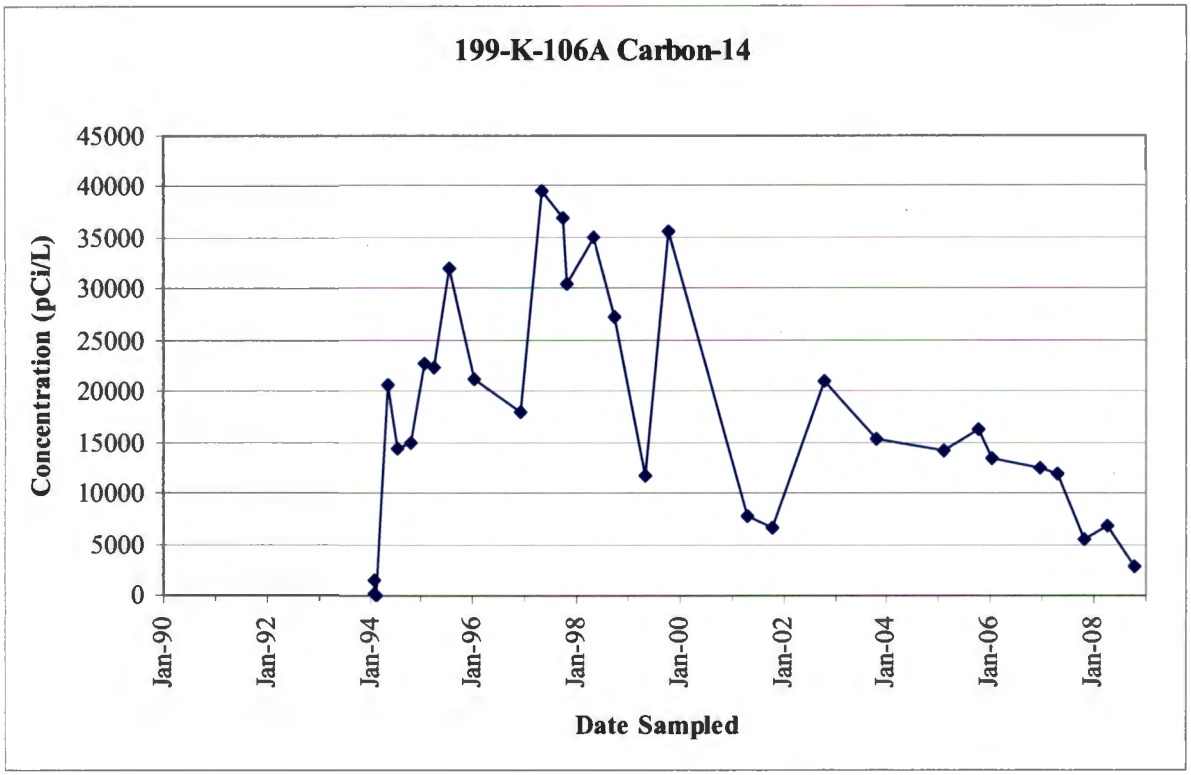
0082056

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

3 OF 3


199-K-106A Carbon-14
Concentration (pCi/L)
45000
40000
35000
30000
25000
20000
15000
10000
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Jan-94
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Jan-00
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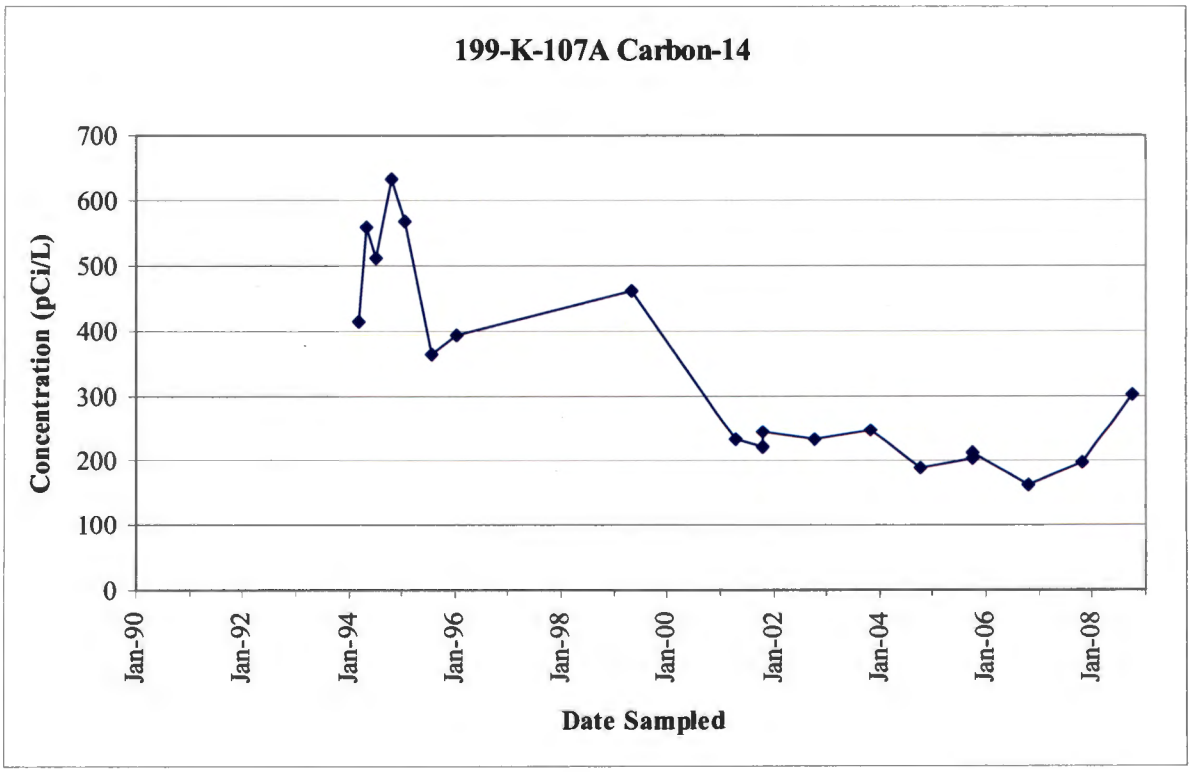
Jan-06
Jan-08
Date Sampled


199-K-107A Carbon-14
Concentration (pCi/L)
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600
500
400
300
200
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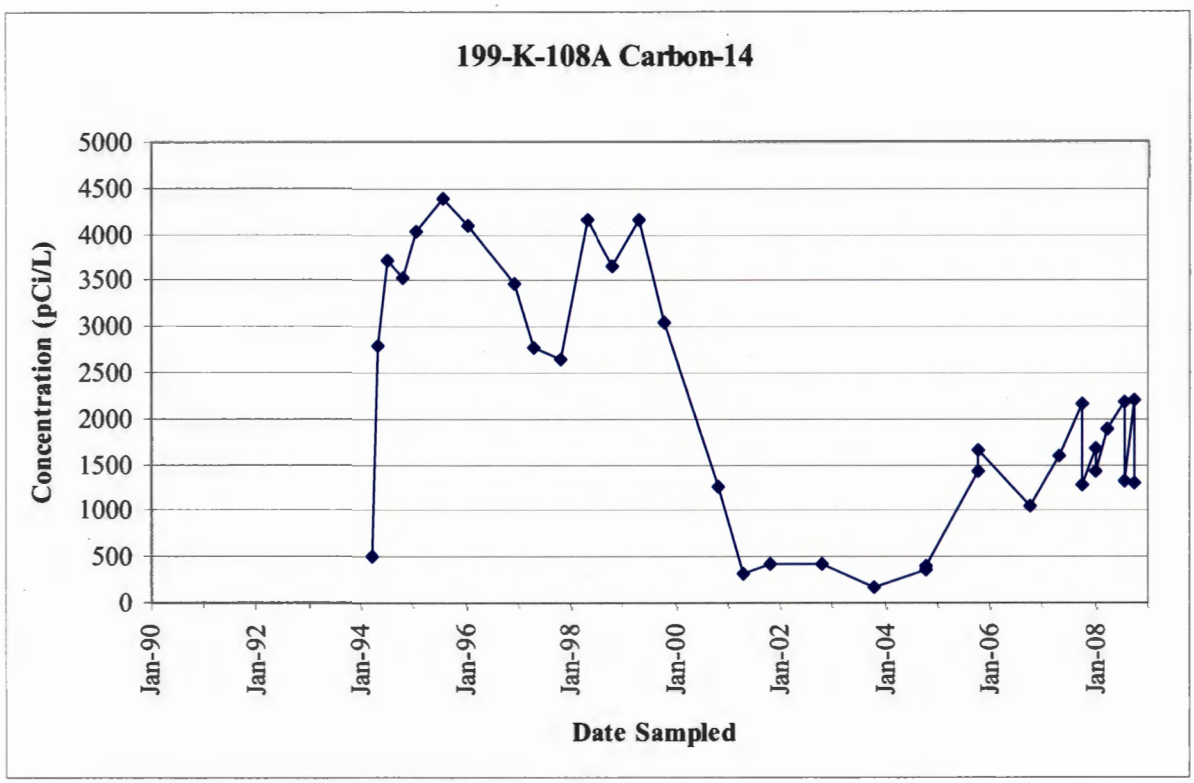
199-K-108A Carbon-14
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
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Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
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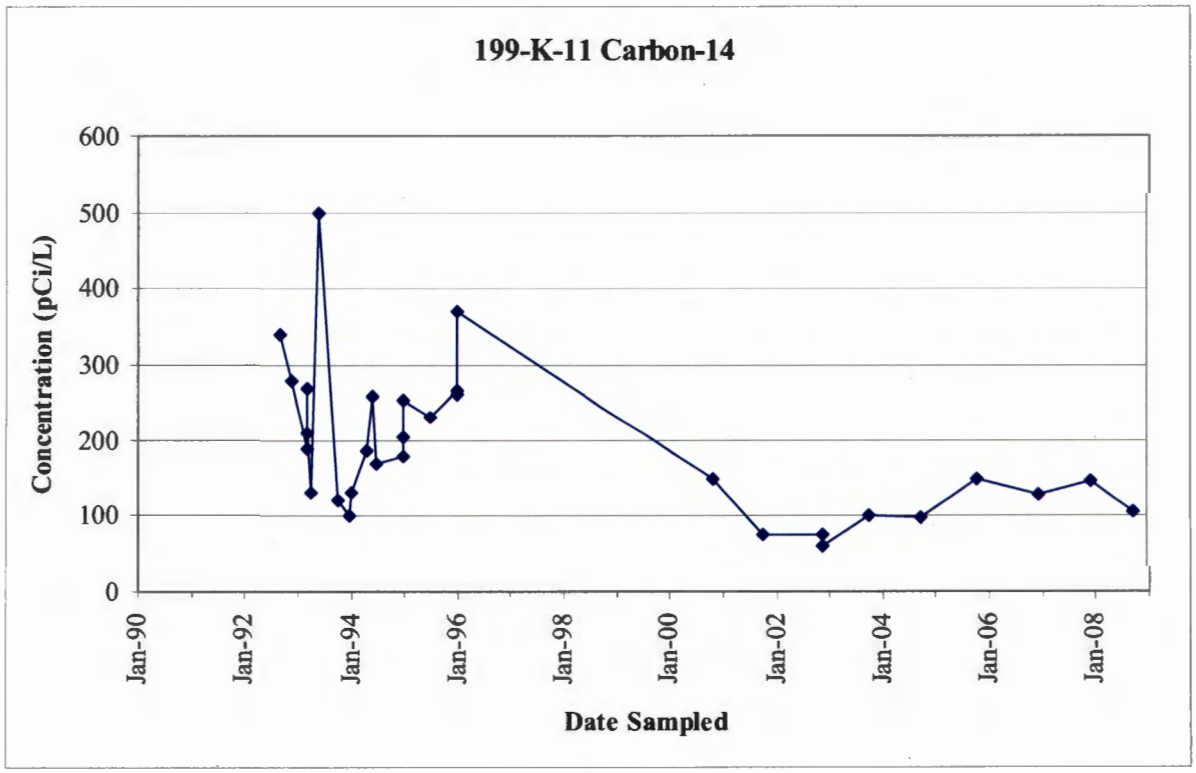
Jan-06
Jan-08
Date Sampled


199-K-11 Carbon-14
Concentration (pCi/L)
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500
400
300
200
100
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Jan-90
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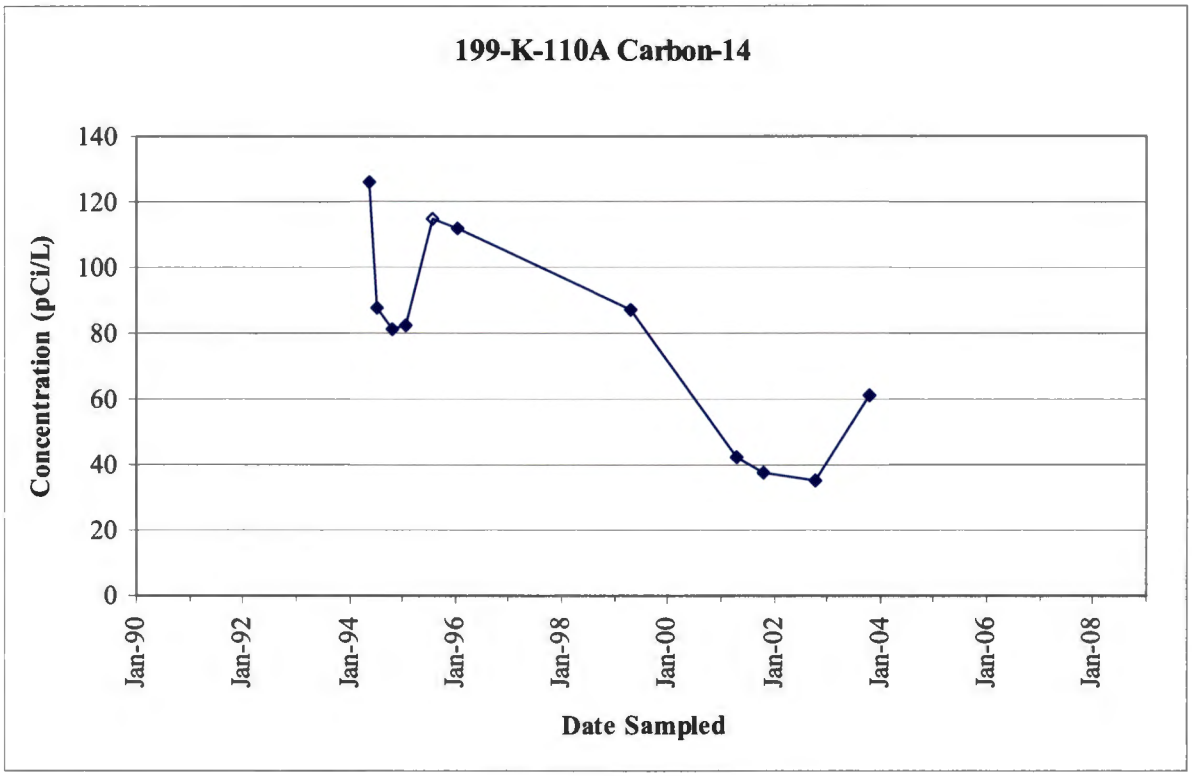
Date Sampled


199-K-110A Carbon-14
Concentration (pCi/L)
140
120
100
80
60
40
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0
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Jan-96
Jan-98
Jan-00
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Jan-04
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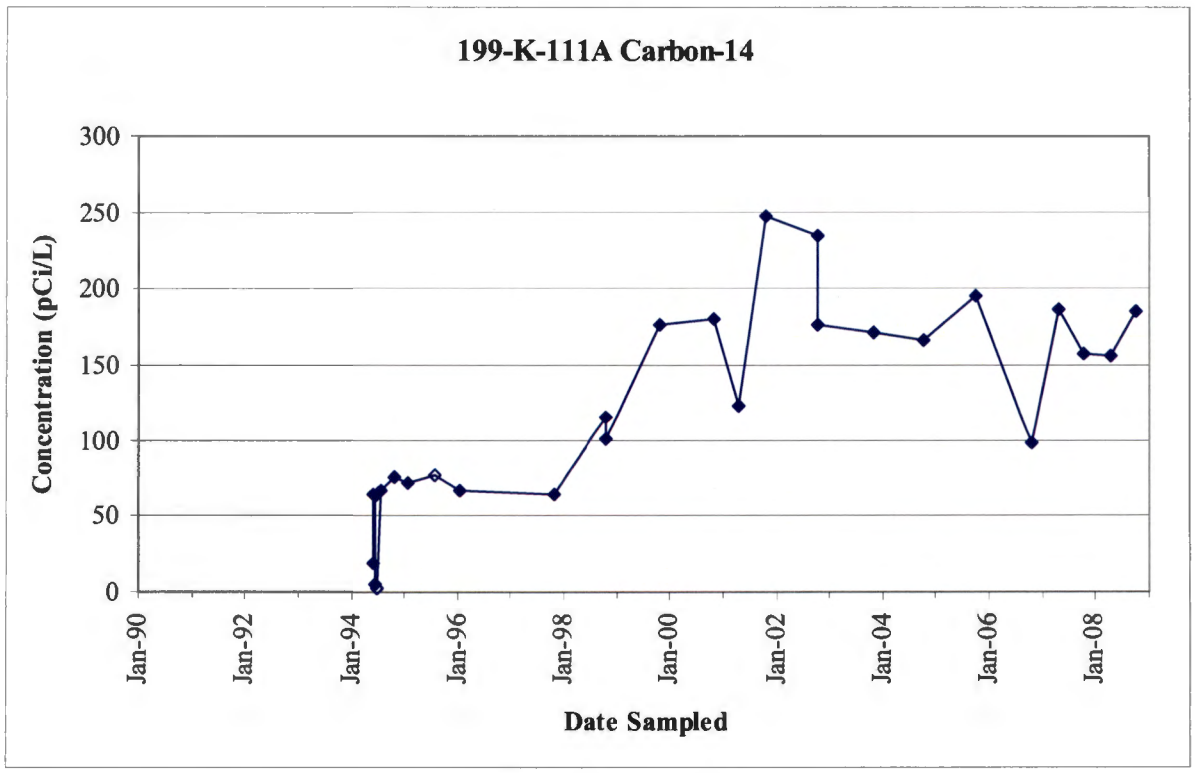
Jan-08
Date Sampled


199-K-111A Carbon-14
Concentration (pCi/L)
300
250
200
150
100
50
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Jan-06
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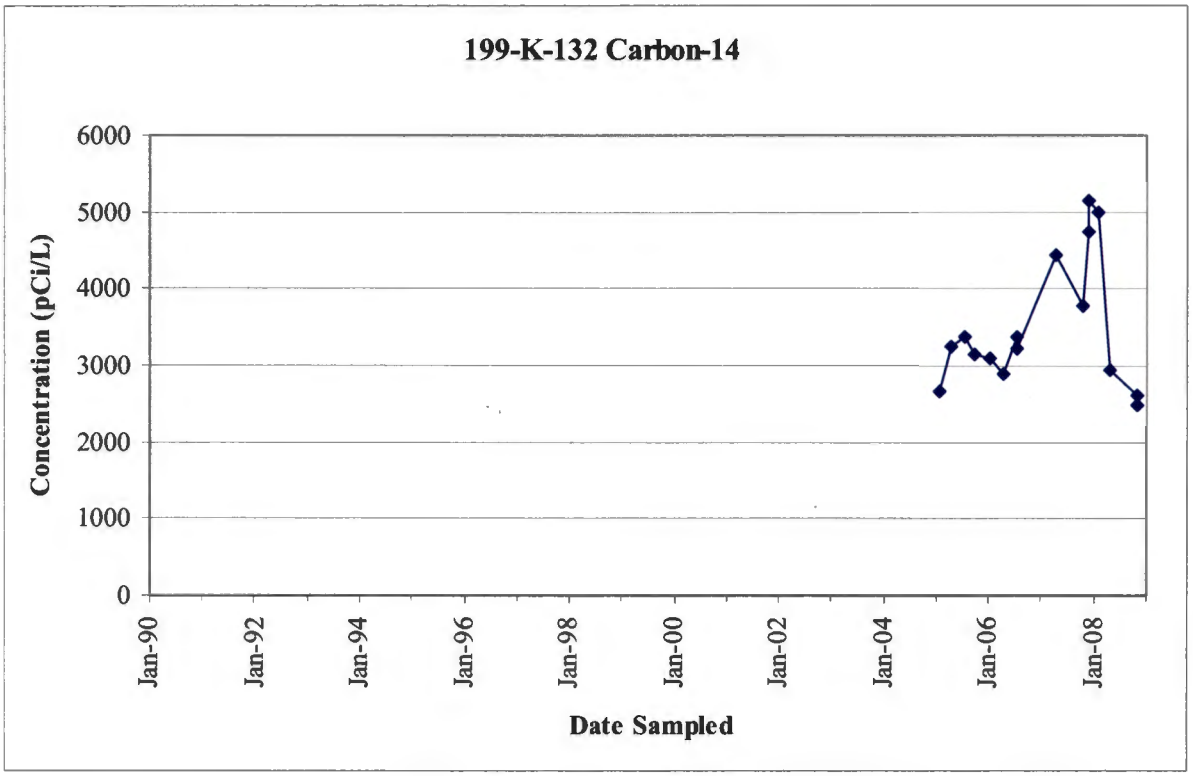
Date Sampled


199-K-132 Carbon-14
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
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Jan-98
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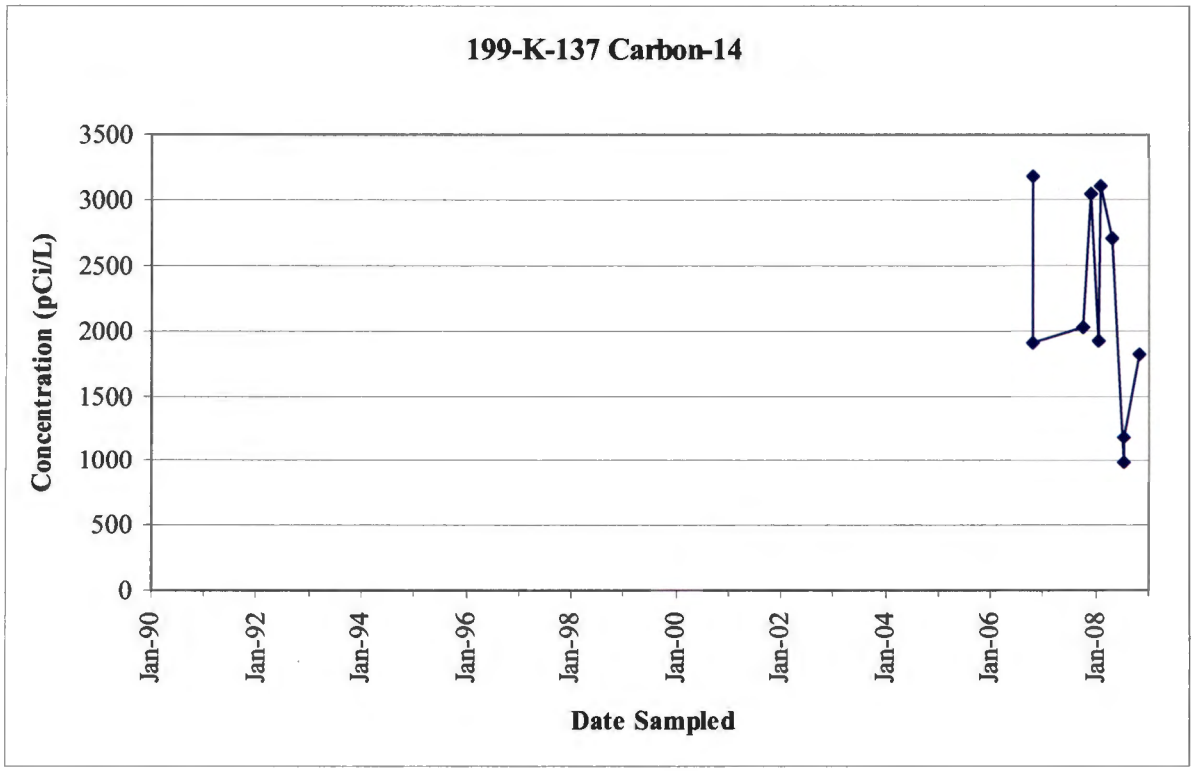
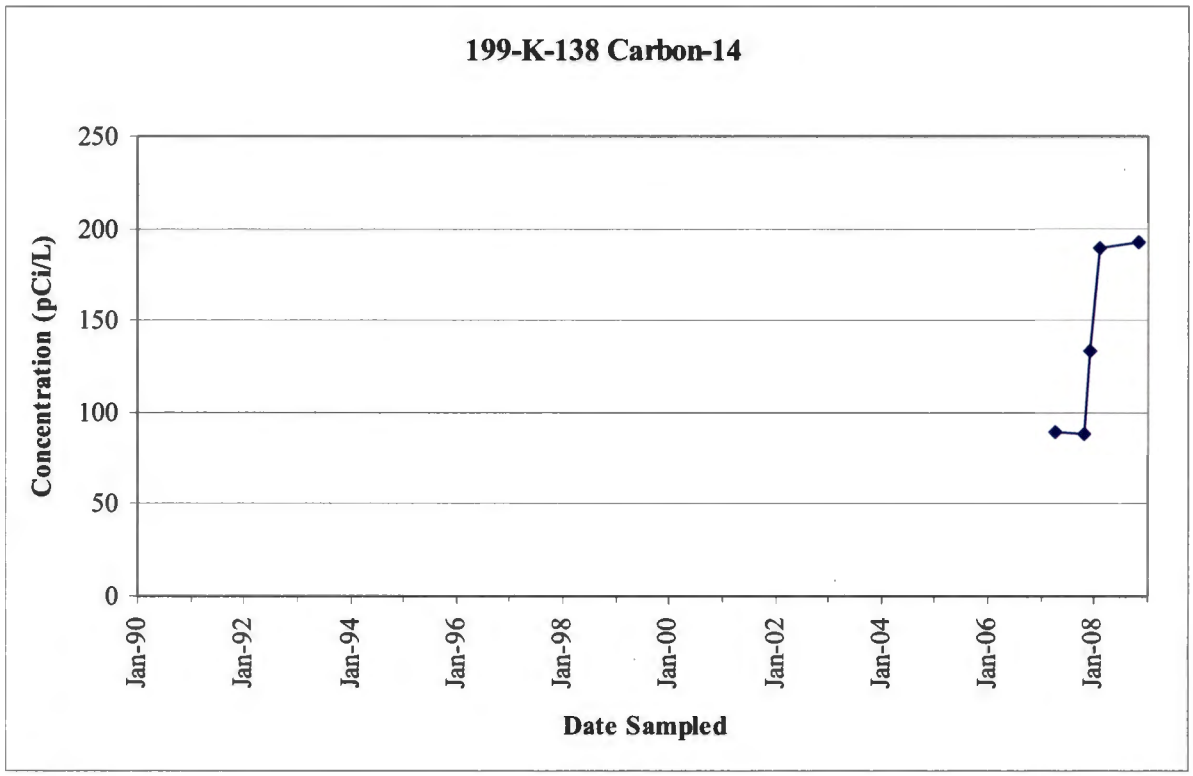
Jan-04
Jan-06
Jan-08
Date Sampled


199-K-137 Carbon-14
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-K-138 Carbon-14
Concentration (pCi/L)
250
200
150
100
50
0
Jan-90
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Jan-94
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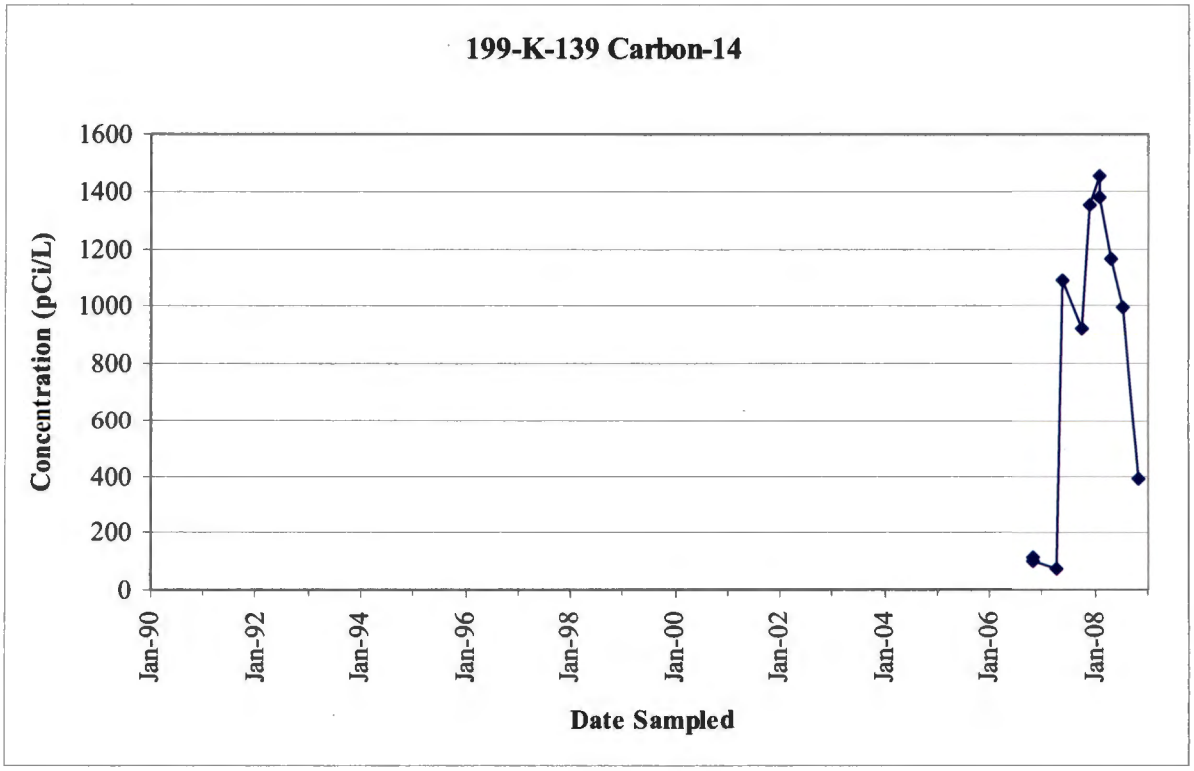
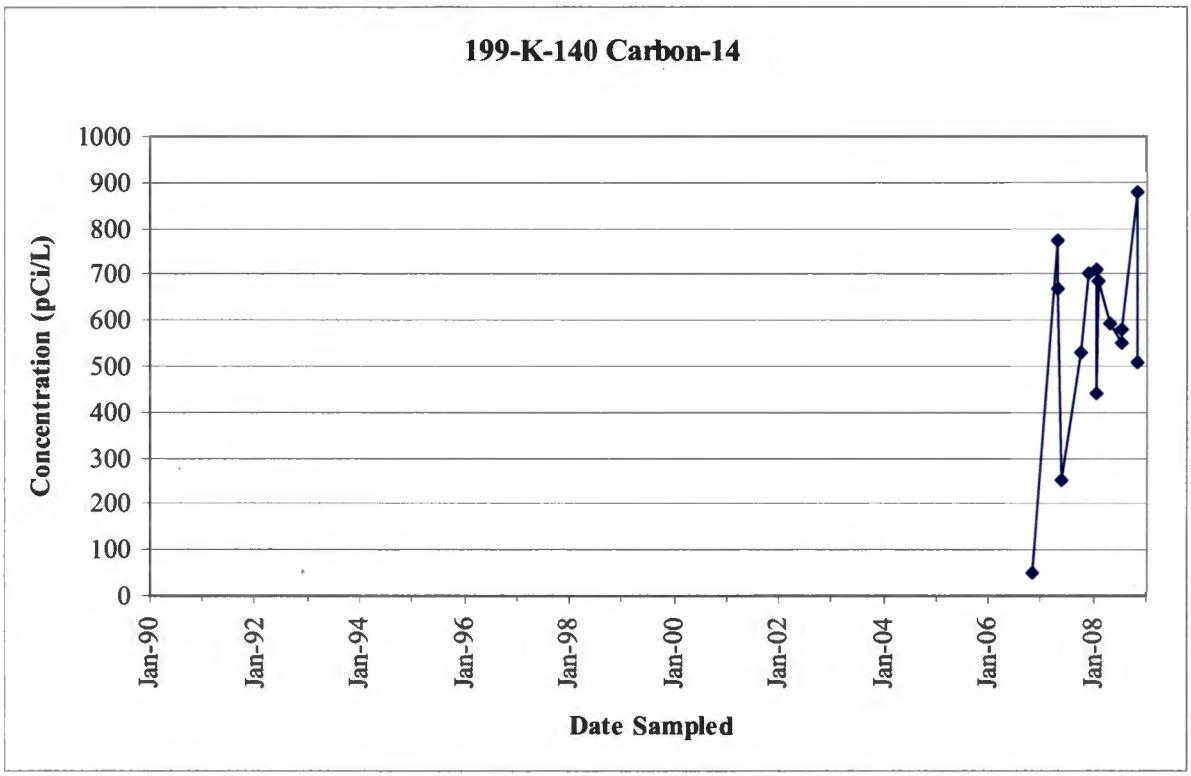
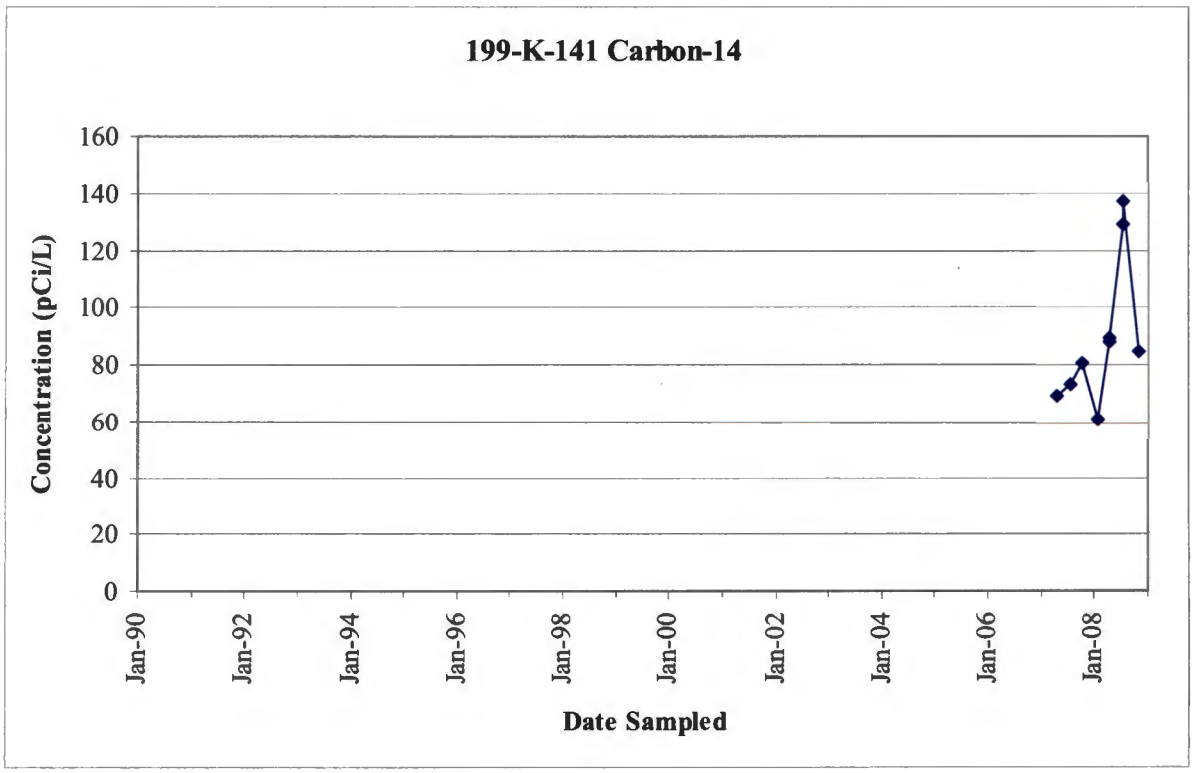
Jan-08
Date Sampled


199-K-139 Carbon-14
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-K-140 Carbon-14
Concentration (pCi/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-K-141 Carbon-14
Concentration (pCi/L)
160
140
120
100
80
60
40
20
0
Jan-90
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Jan-94
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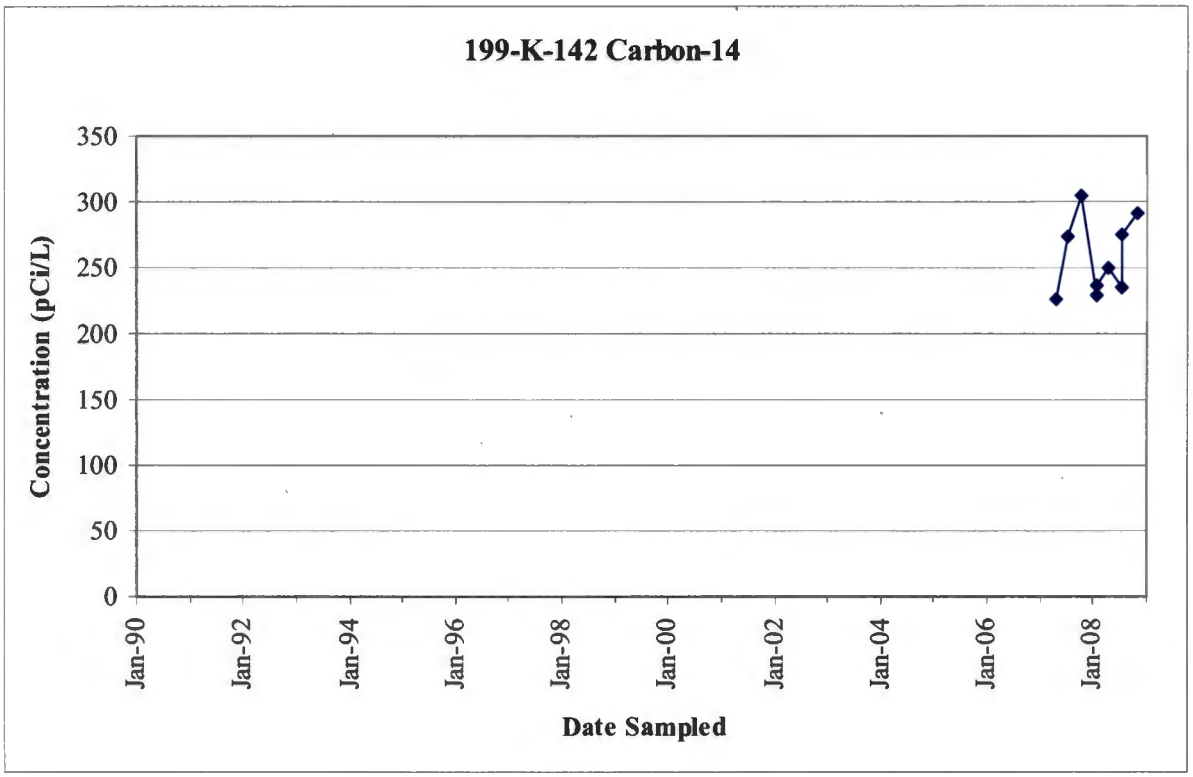
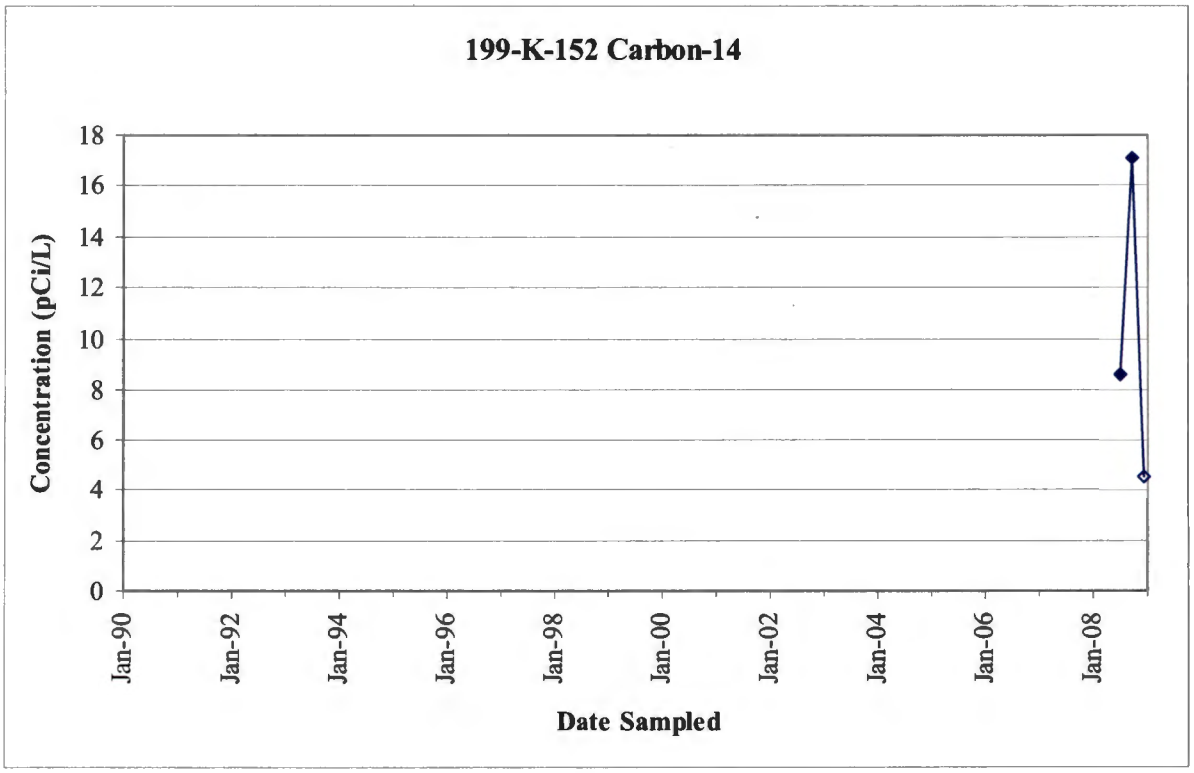
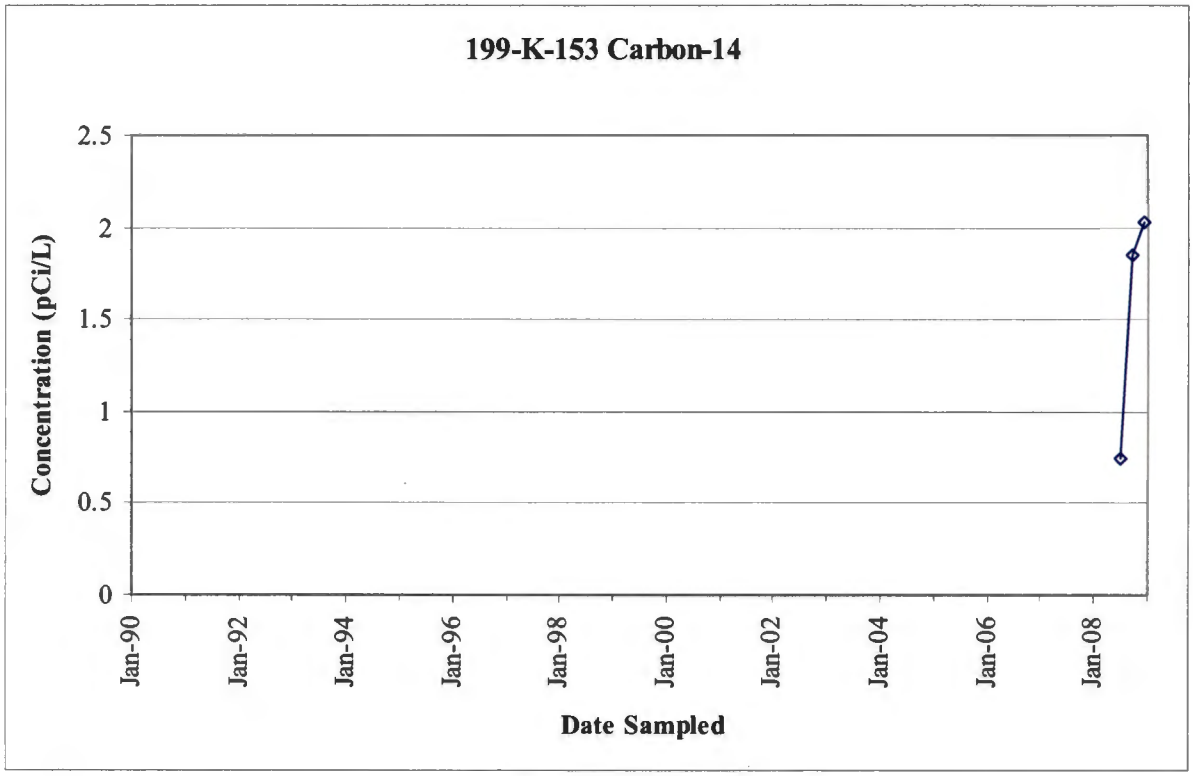
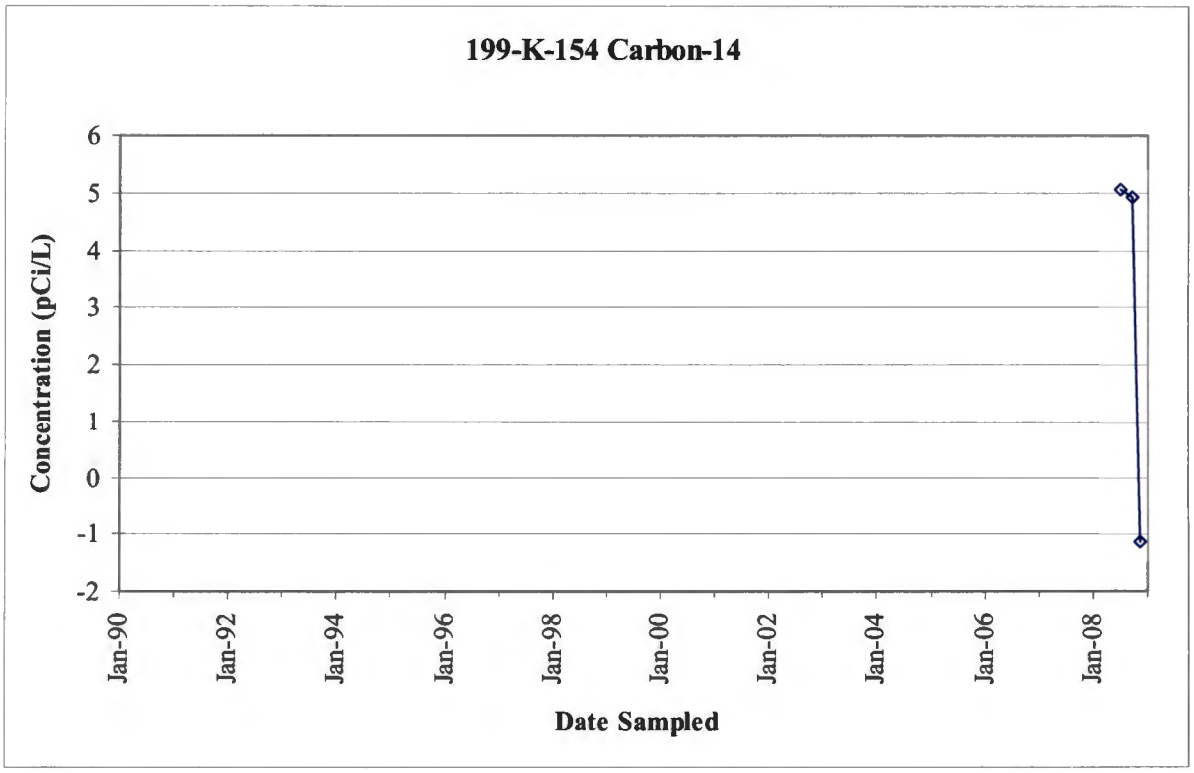
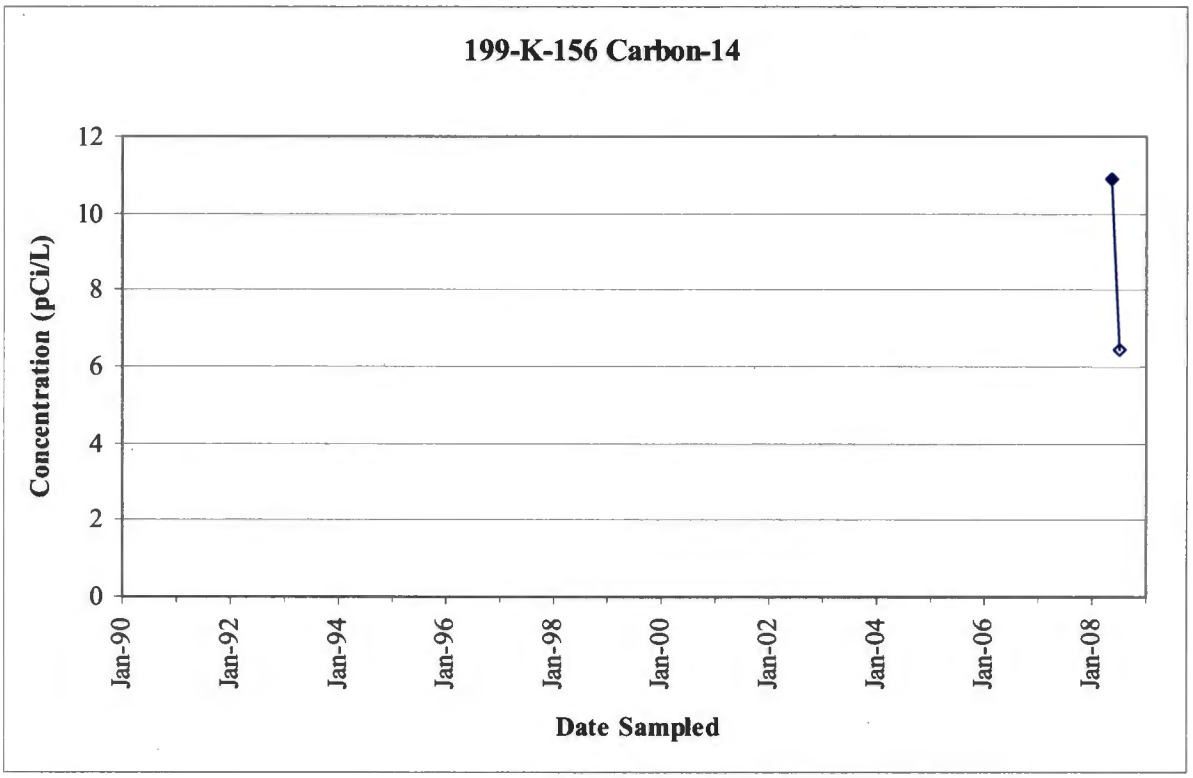
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

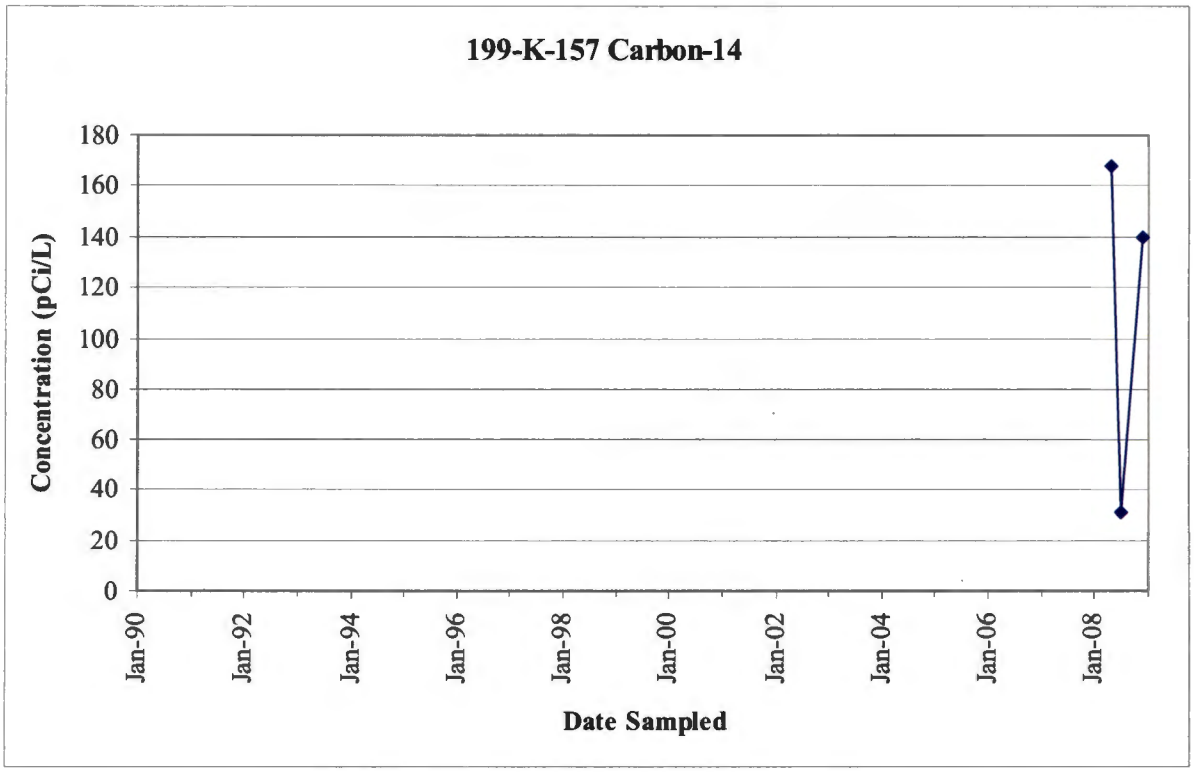

199-K-142 Carbon-14
Concentration (pCi/L)
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

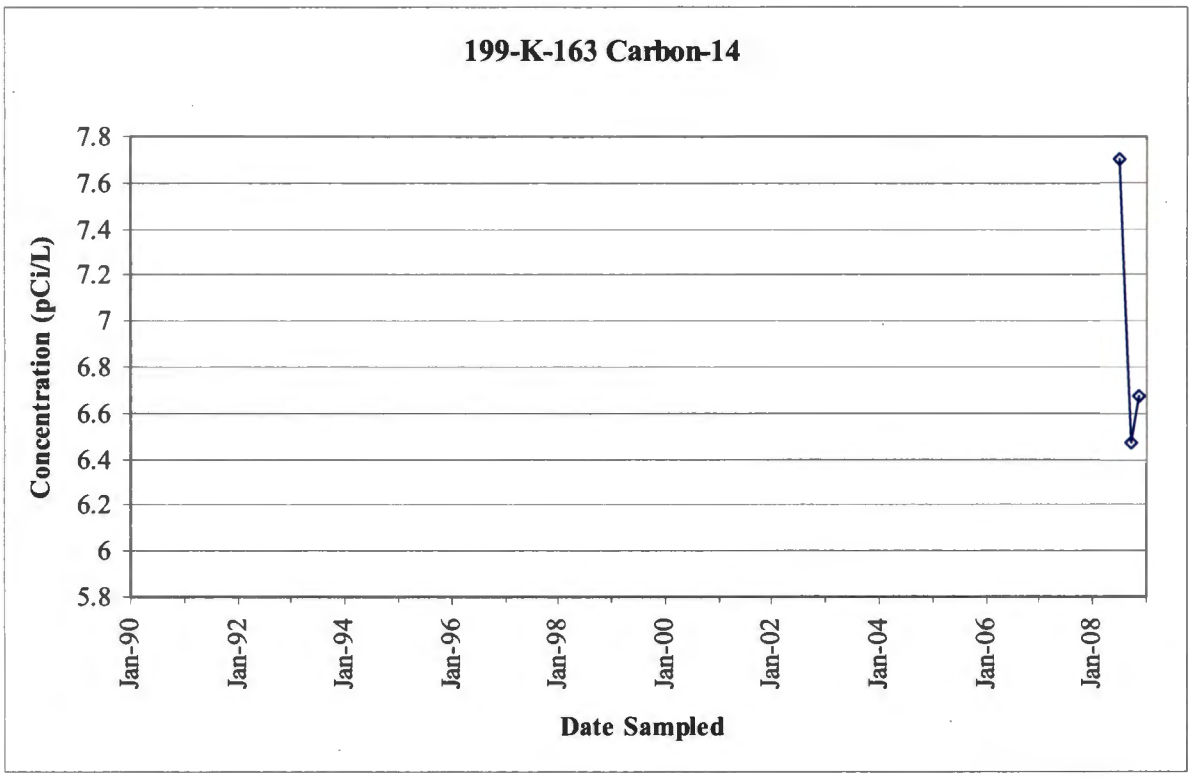

199-K-152 Carbon-14
Concentration (pCi/L)
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-K-153 Carbon-14
Concentration (pCi/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-K-154 Carbon-14
Concentration (pCi/L)
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-K-156 Carbon-14
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-K-157 Carbon-14
Concentration (pCi/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-K-163 Carbon-14
Concentration (pCi/L)
7.8
7.6
7.4
7.2
7
6.8
6.6
6.4
6.2
6
5.8
Jan-90
Jan-92
Jan-94
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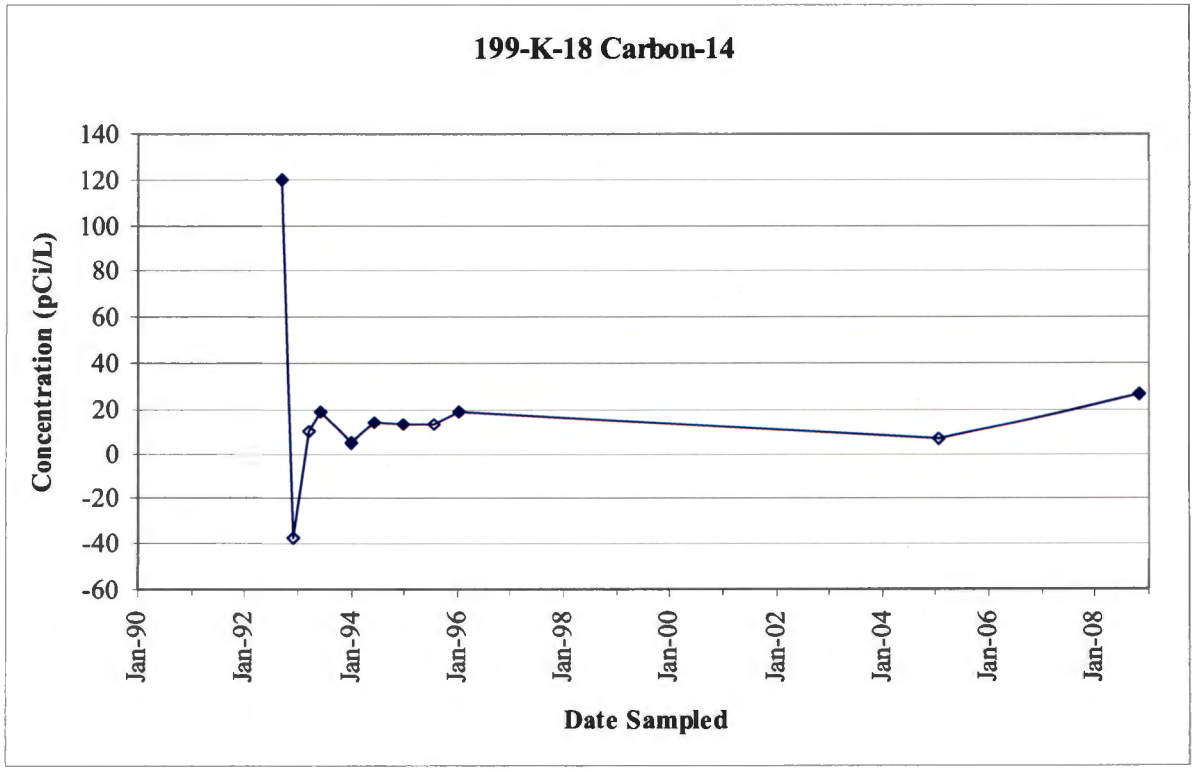
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-K-18 Carbon-14
Concentration (pCi/L)
140
120
100
80
60
40
20
0
-20
-40
-60
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
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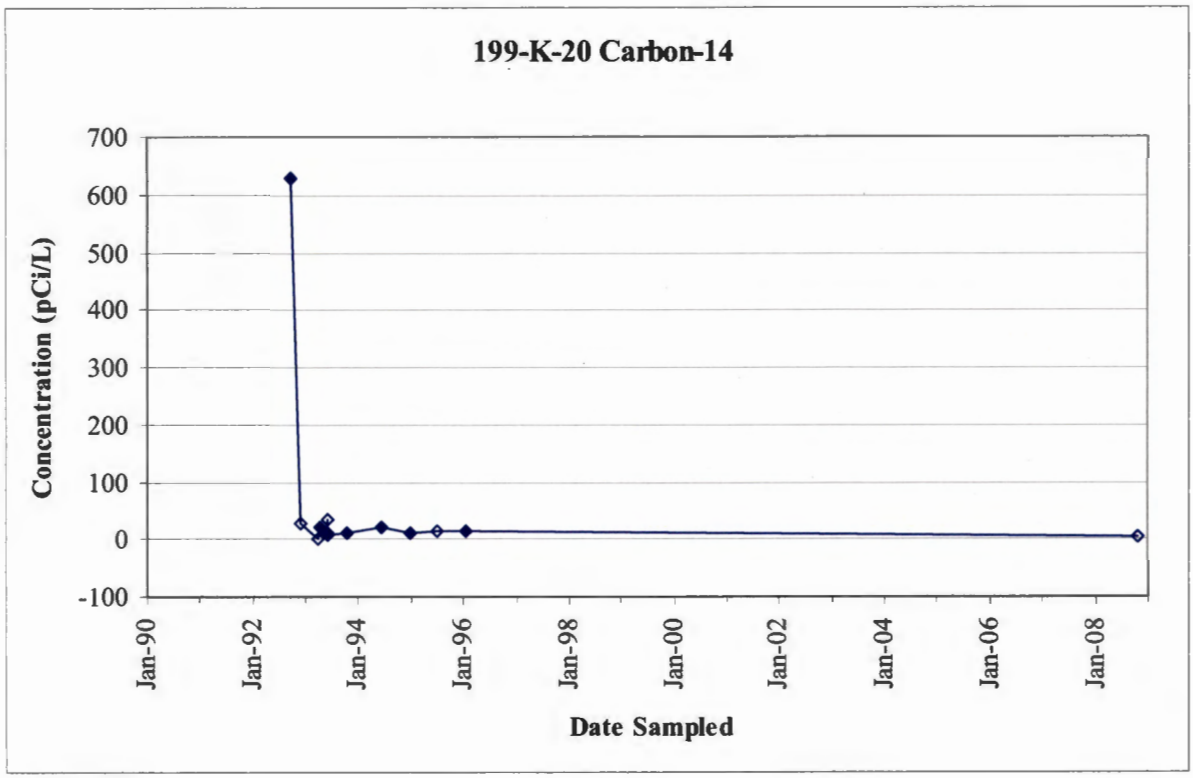
Jan-06
Jan-08
Date Sampled


199-K-20 Carbon-14
Concentration (pCi/L)
700
600
500
400
300
200
100
0
-100
Jan-90
Jan-92
Jan-94
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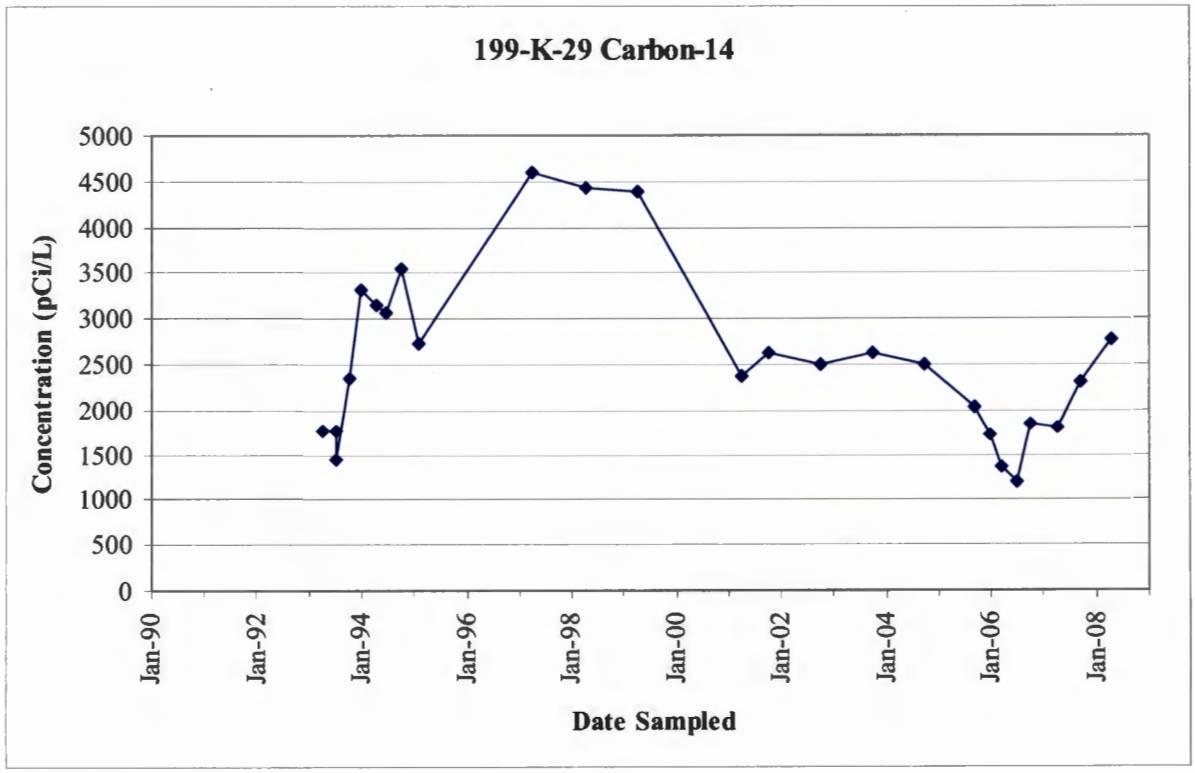
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-K-29 Carbon-14
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
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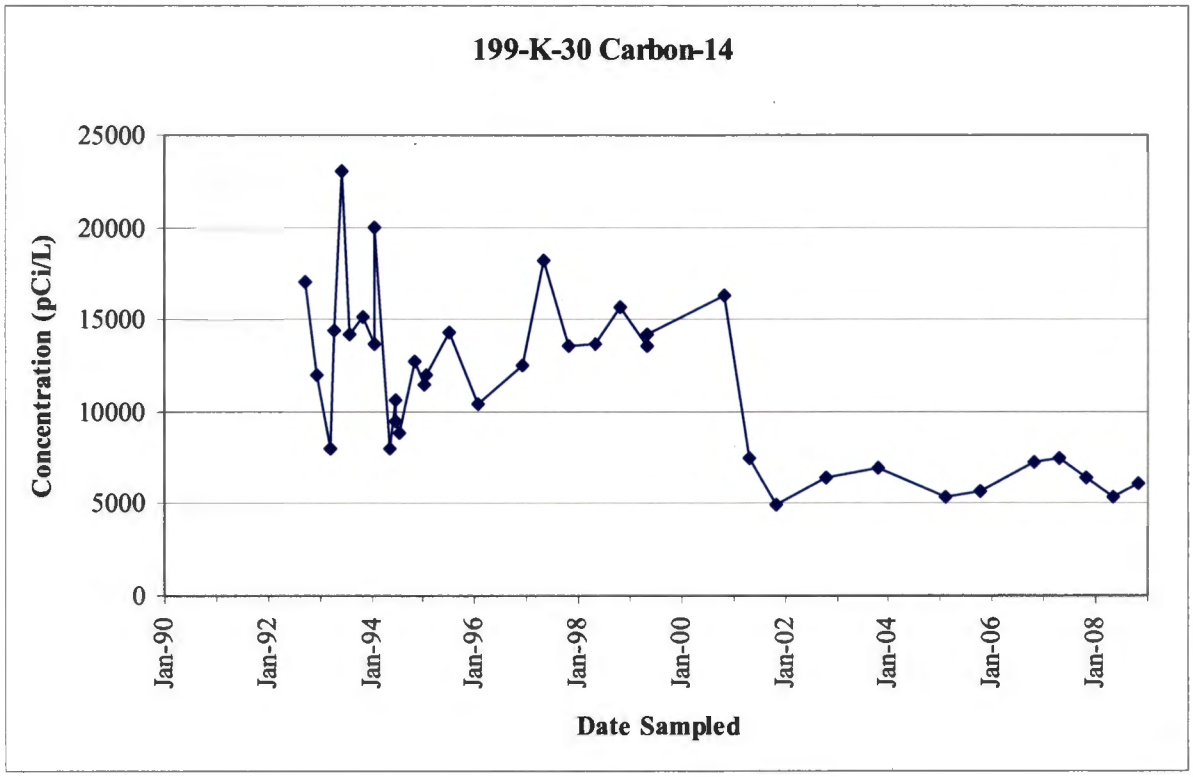
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-K-30 Carbon-14
Concentration (pCi/L)
25000
20000
15000
10000
5000
0
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Jan-94
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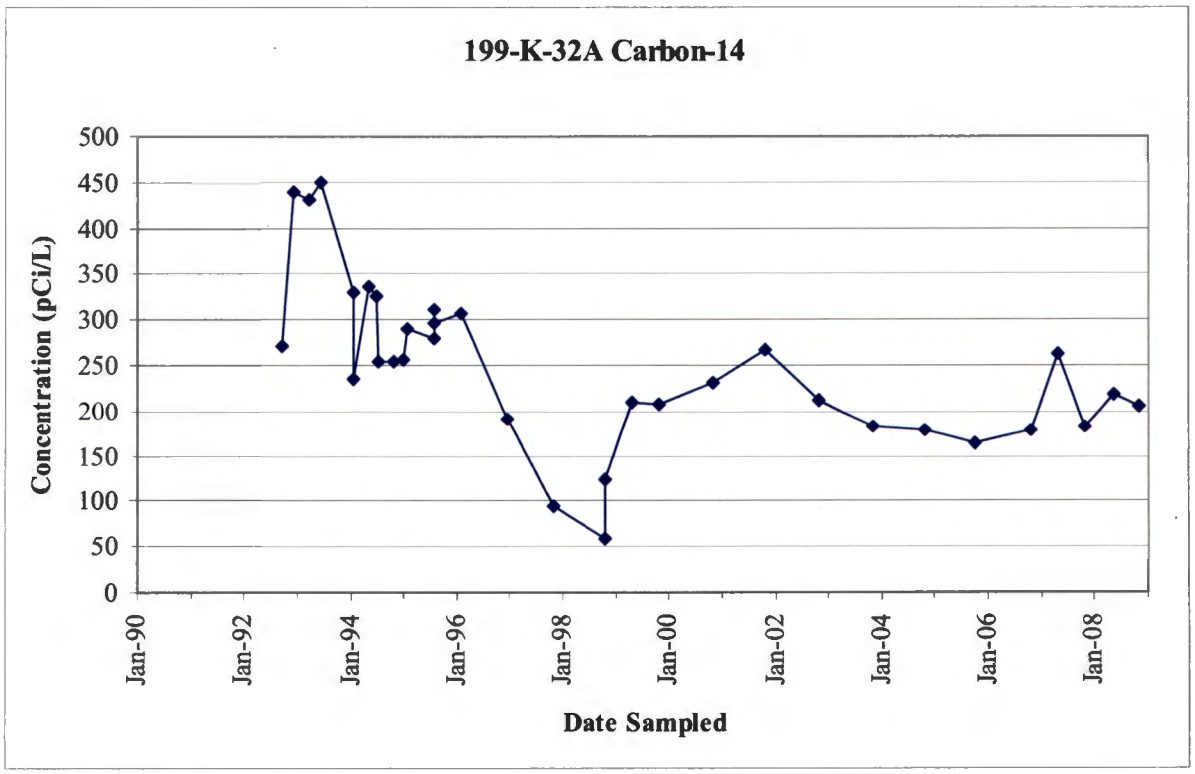
Jan-06
Jan-08
Date Sampled


199-K-32A Carbon-14
Concentration (pCi/L)
500
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
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Jan-98
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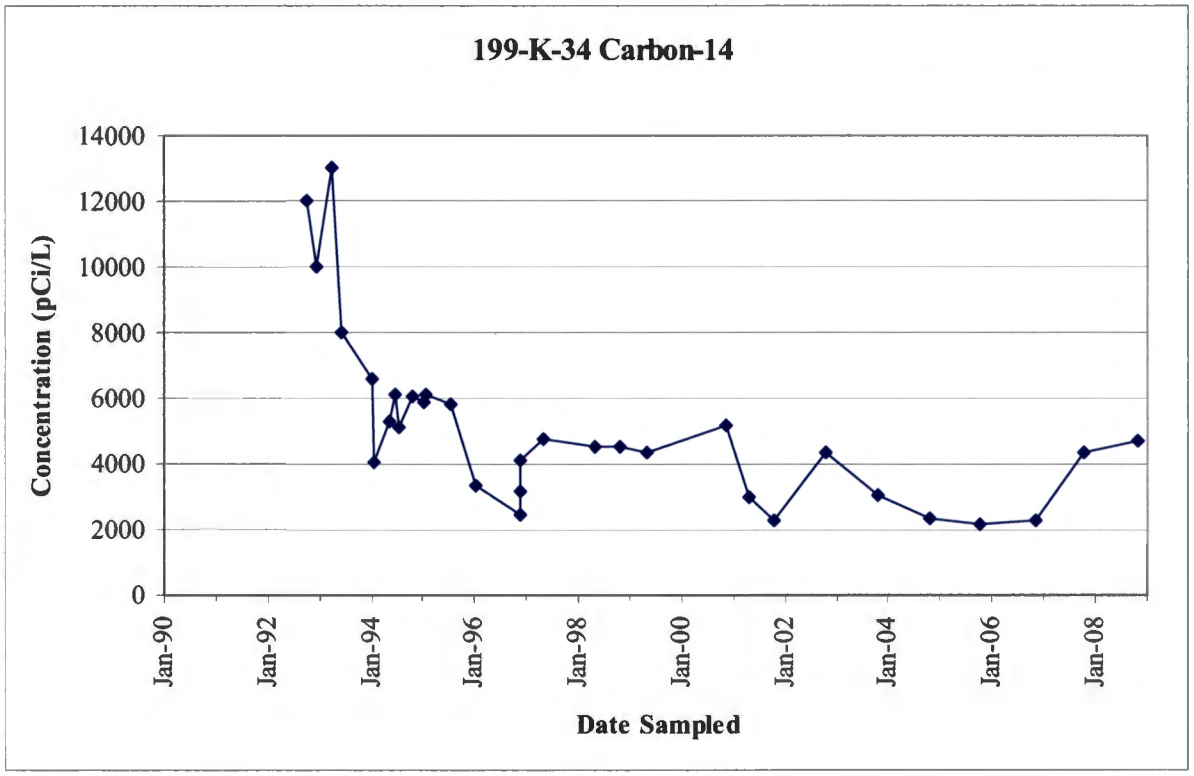
Date Sampled


199-K-34 Carbon-14
Concentration (pCi/L)
14000
12000
10000
8000
6000
4000
2000
0
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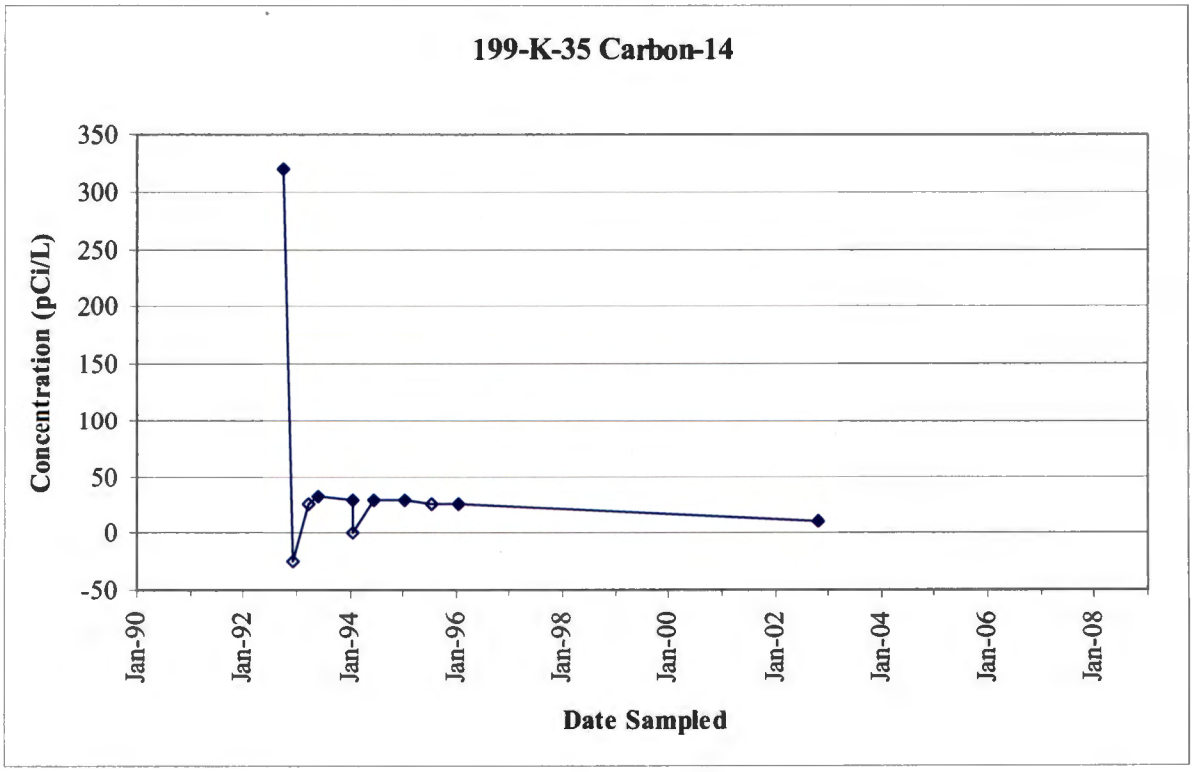
Date Sampled


199-K-35 Carbon-14
Concentration (pCi/L)
350
300
250
200
150
100
50
0
-50
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Jan-96
Jan-98
Jan-00
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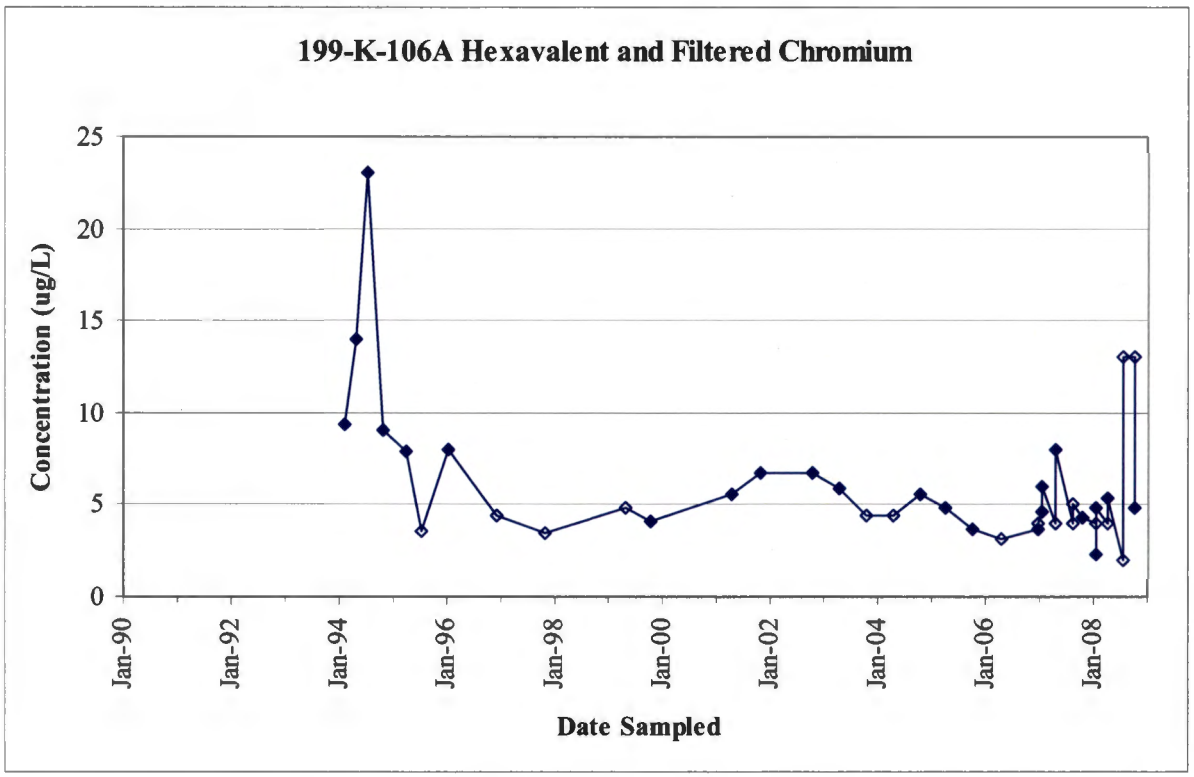
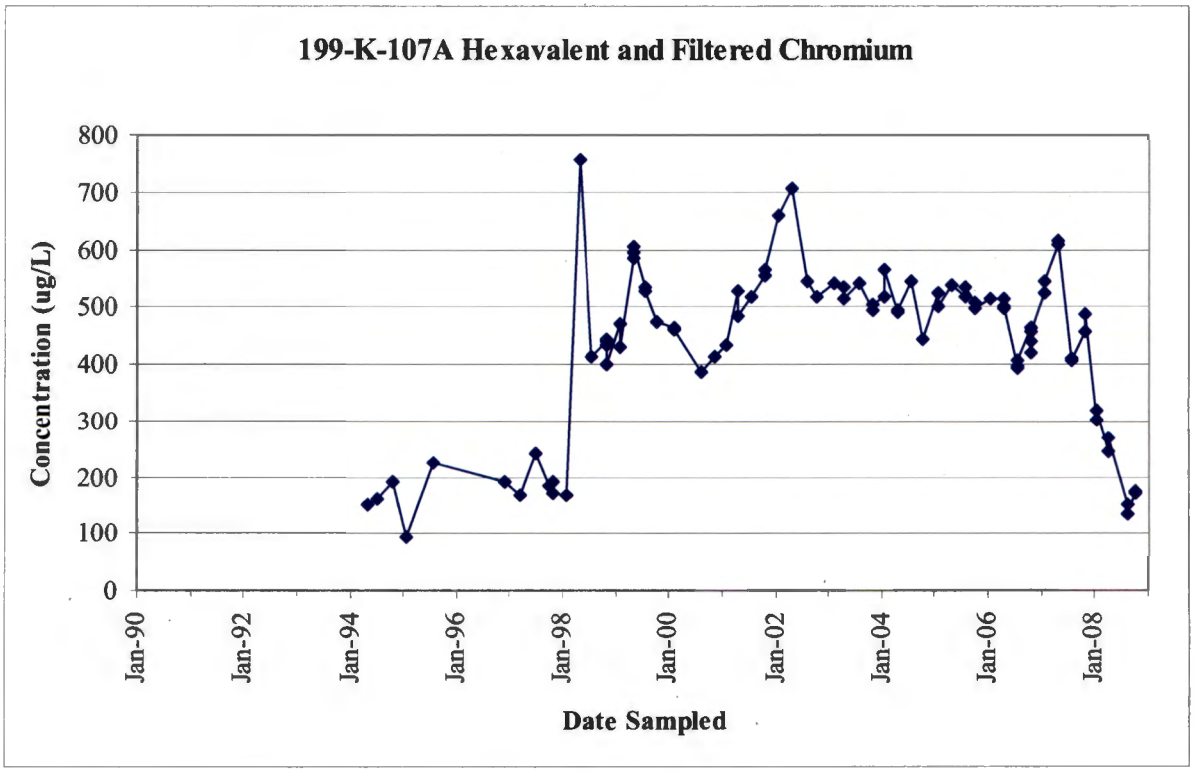
Jan-06
Jan-08
Date Sampled


199-K-106A 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


199-K-107A Hexavalent and Filtered Chromium
Concentration (ug/L)
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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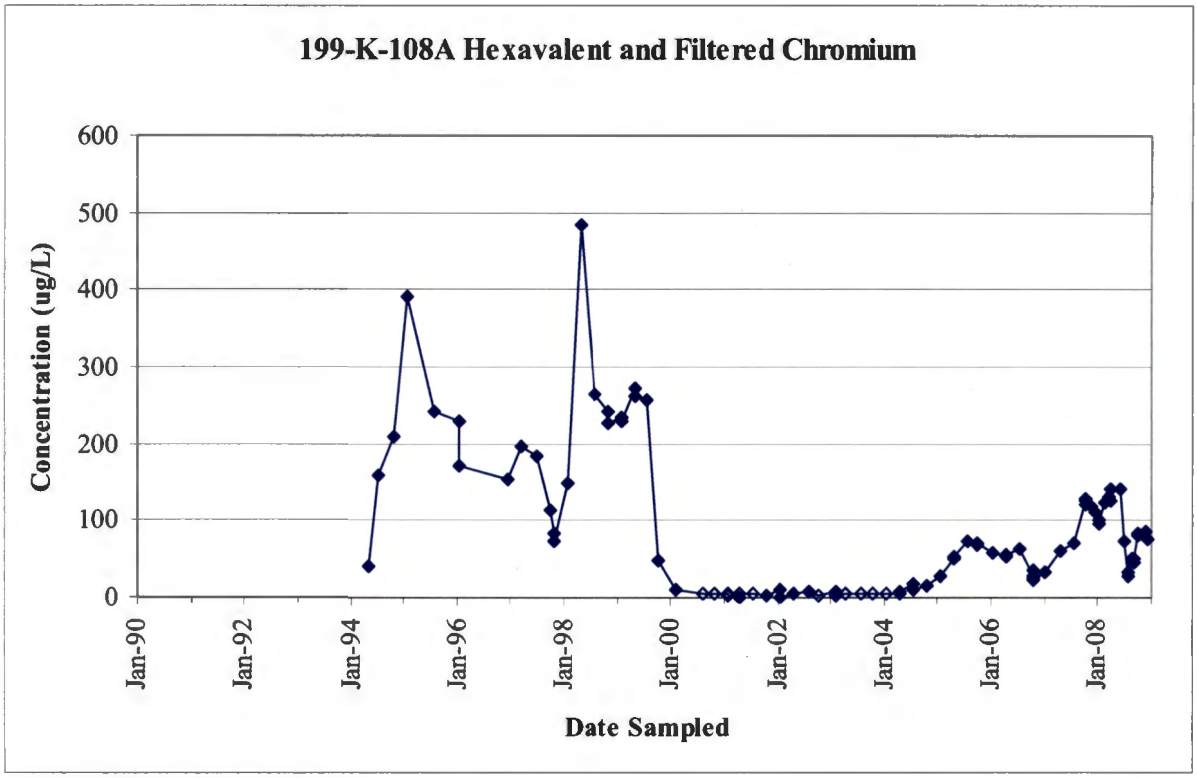
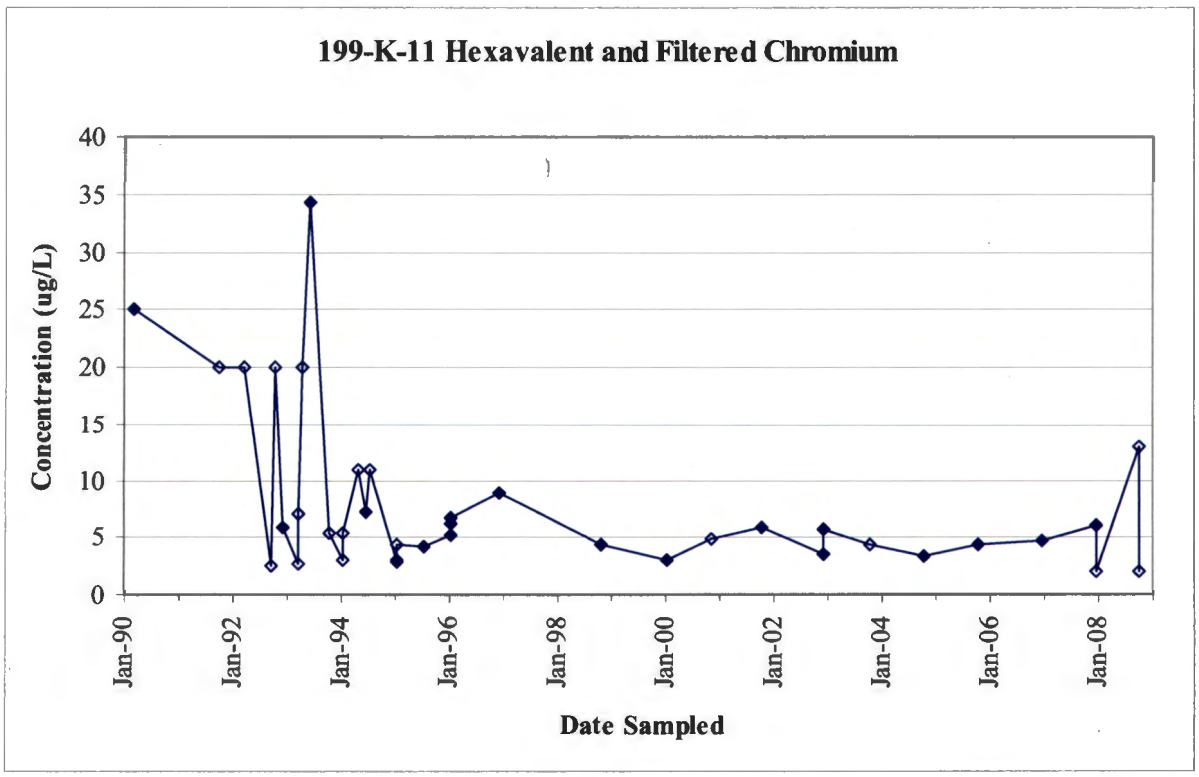
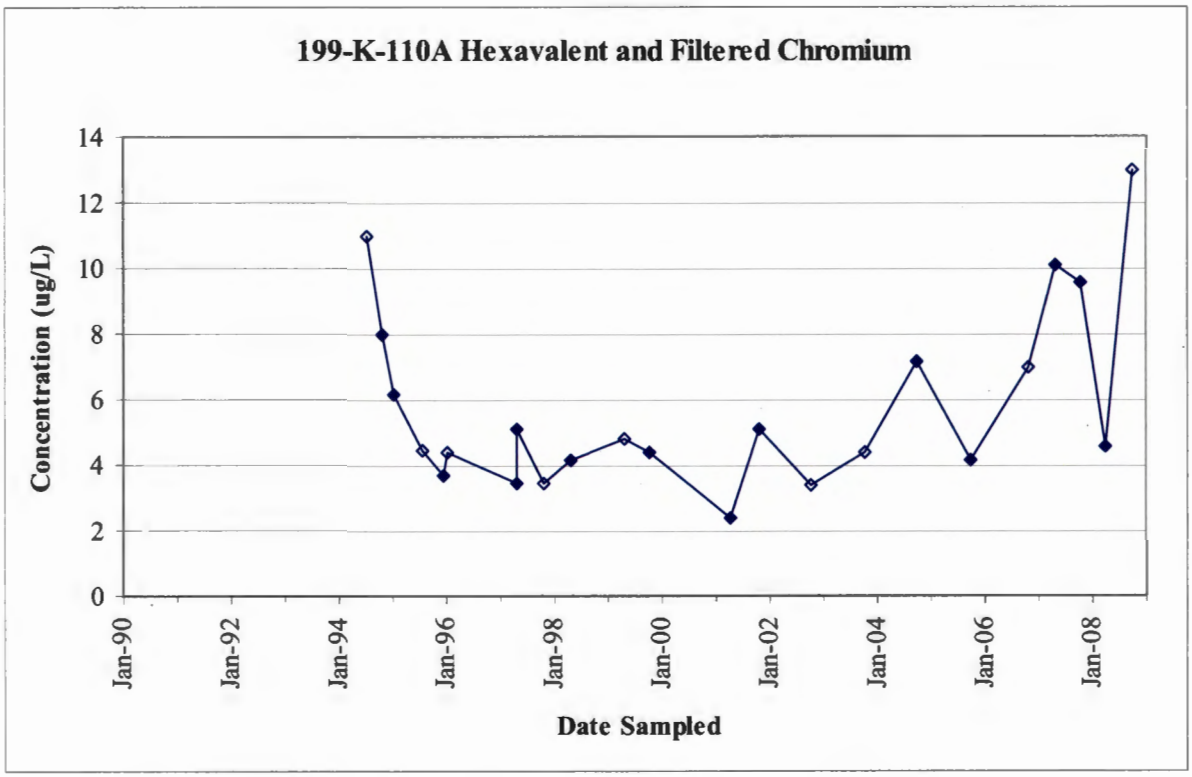
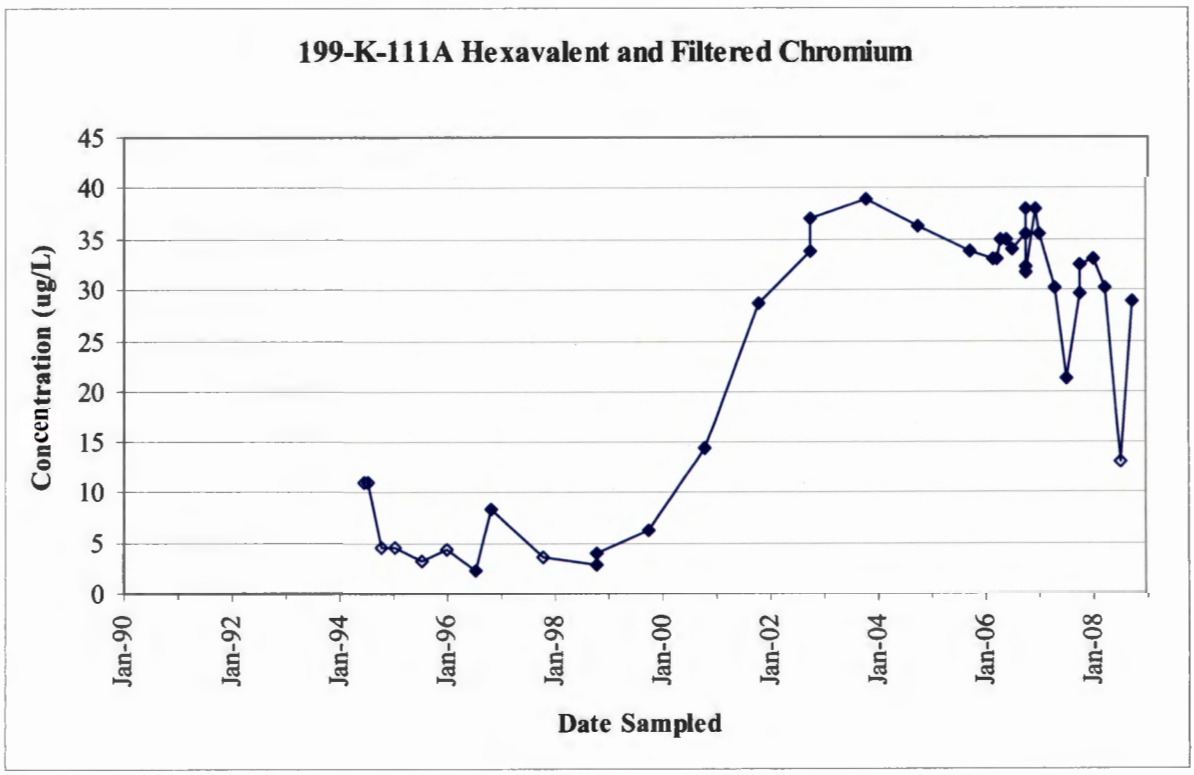
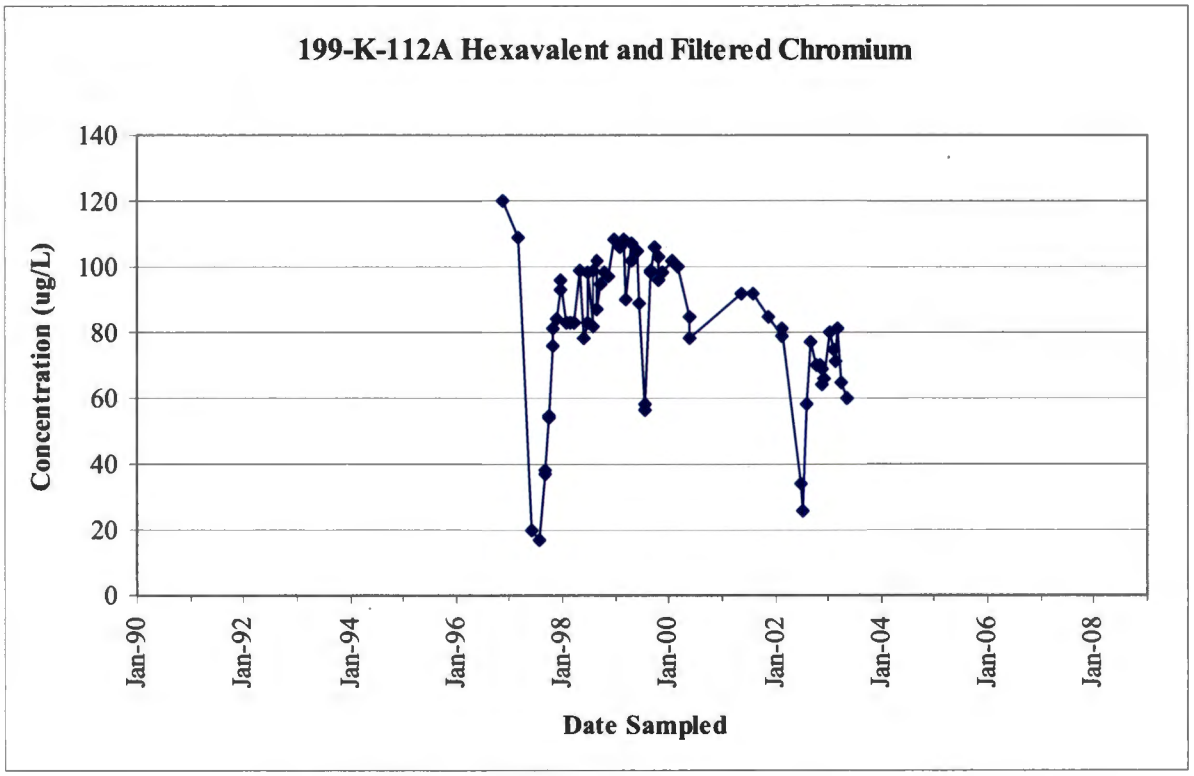
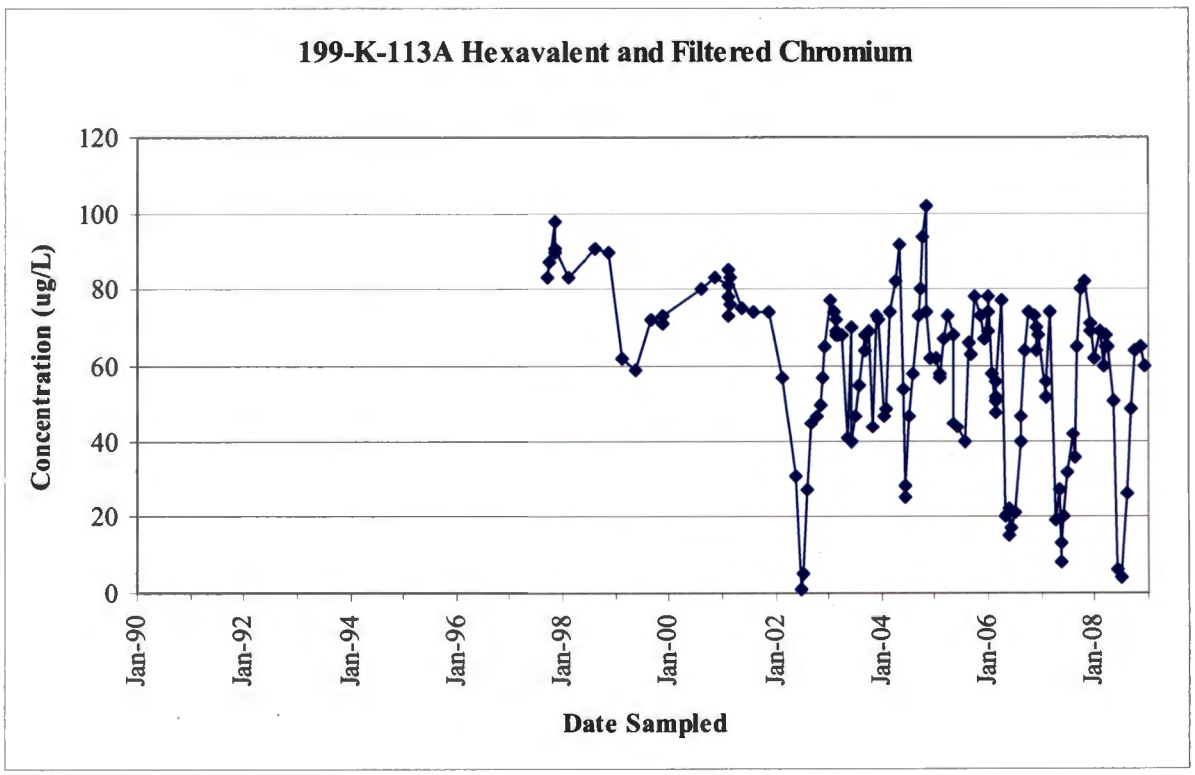

199-K-108A Hexavalent and Filtered Chromium
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

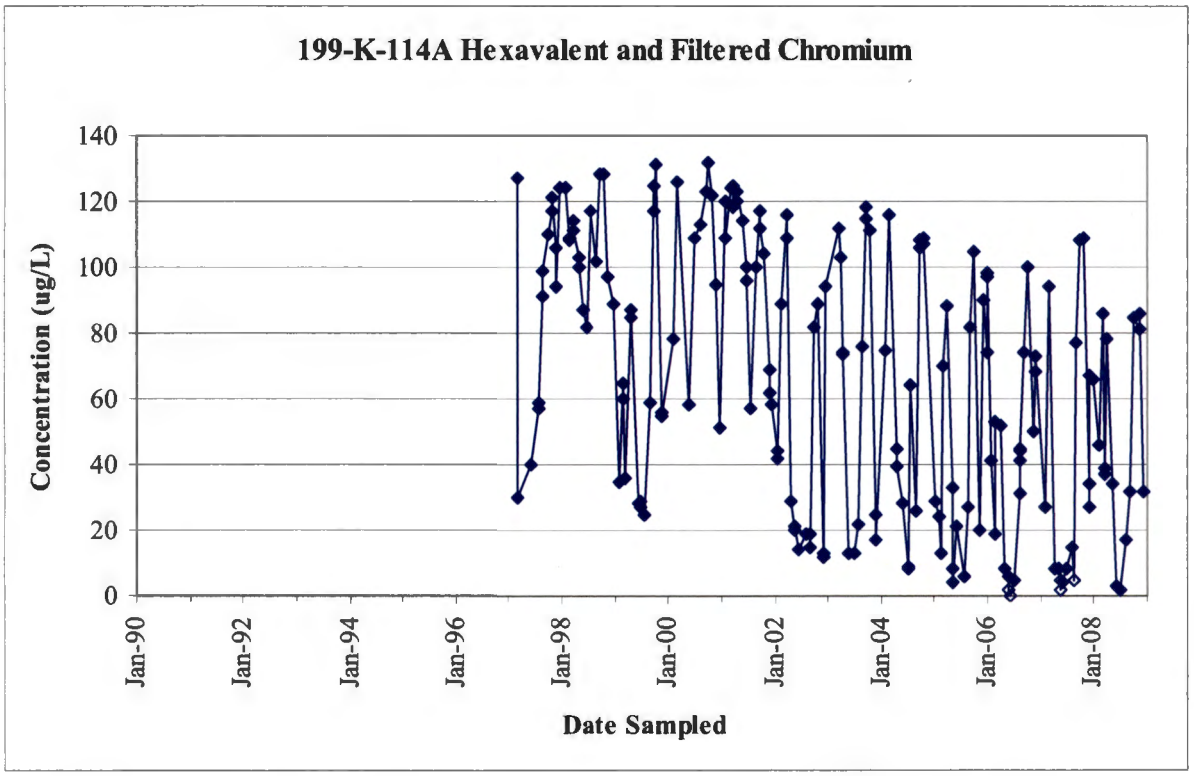

199-K-11 Hexavalent and Filtered Chromium
Concentration (ug/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

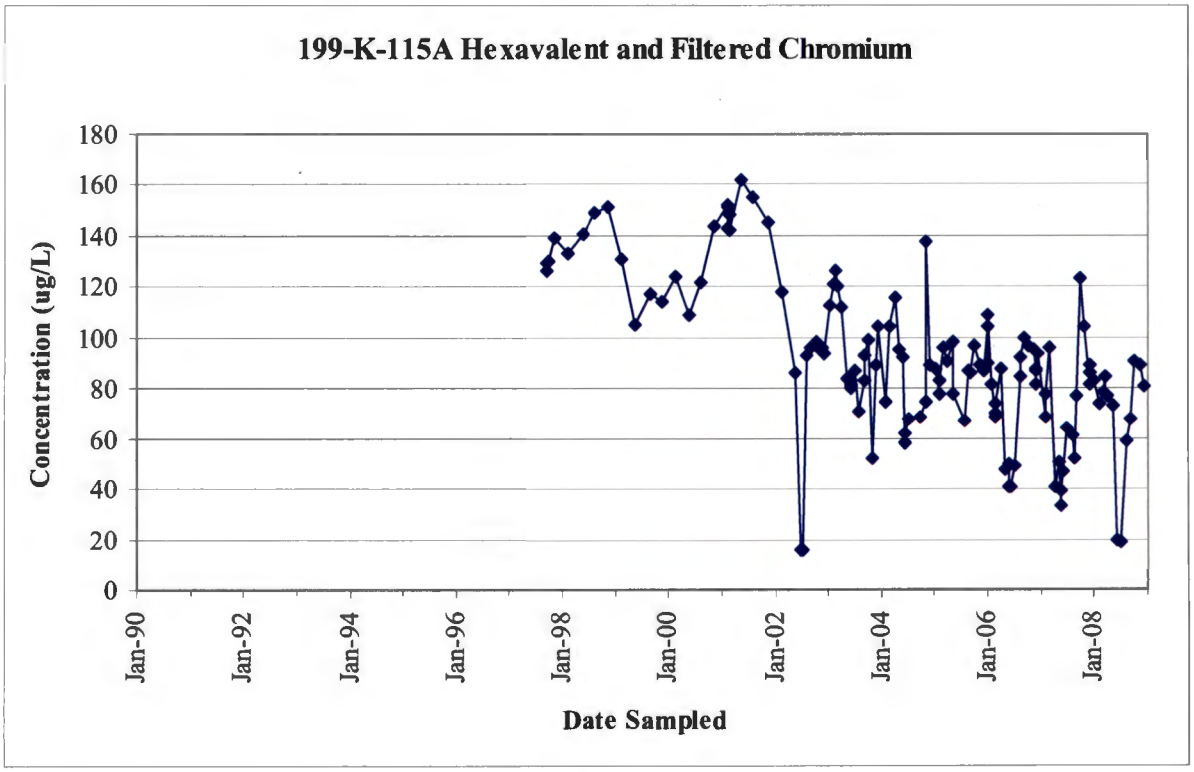

199-K-110A Hexavalent and Filtered Chromium
Concentration (ug/L)
0
2
4
6
8
10
12
14
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

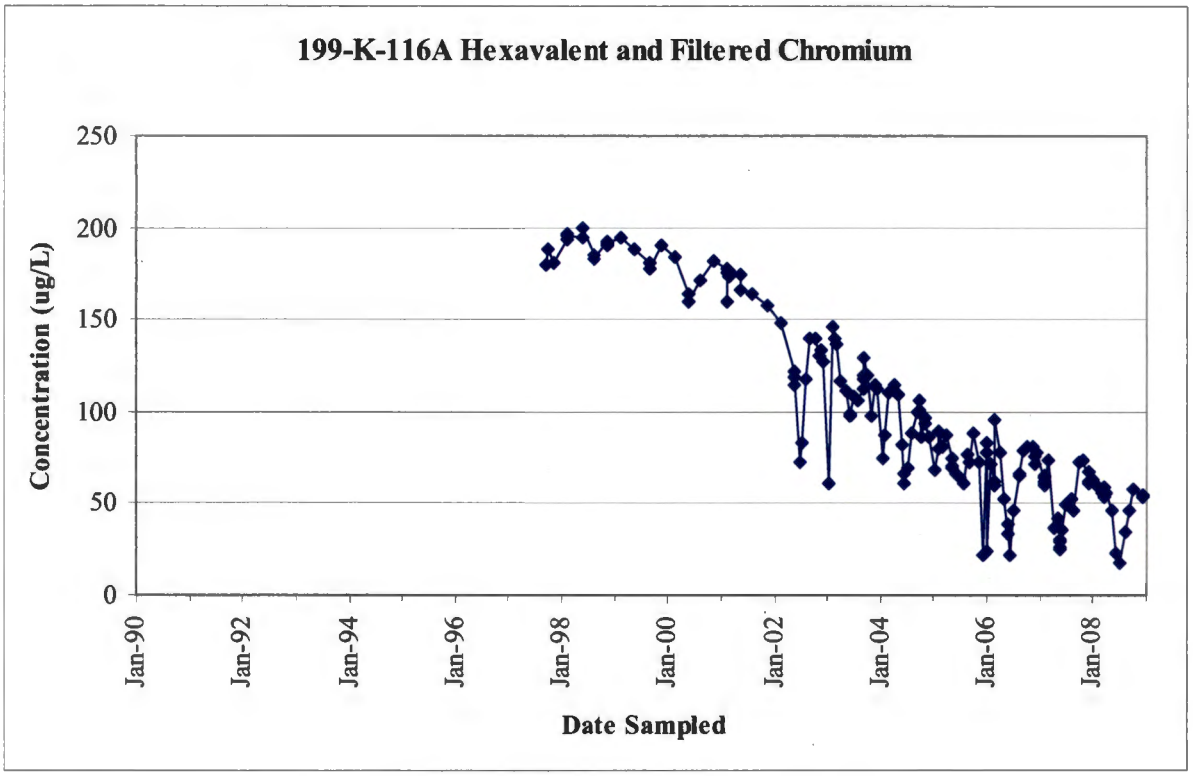

199-K-111A Hexavalent and Filtered Chromium
Concentration (ug/L)
0
5
10
15
20
25
30
35
40
45
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

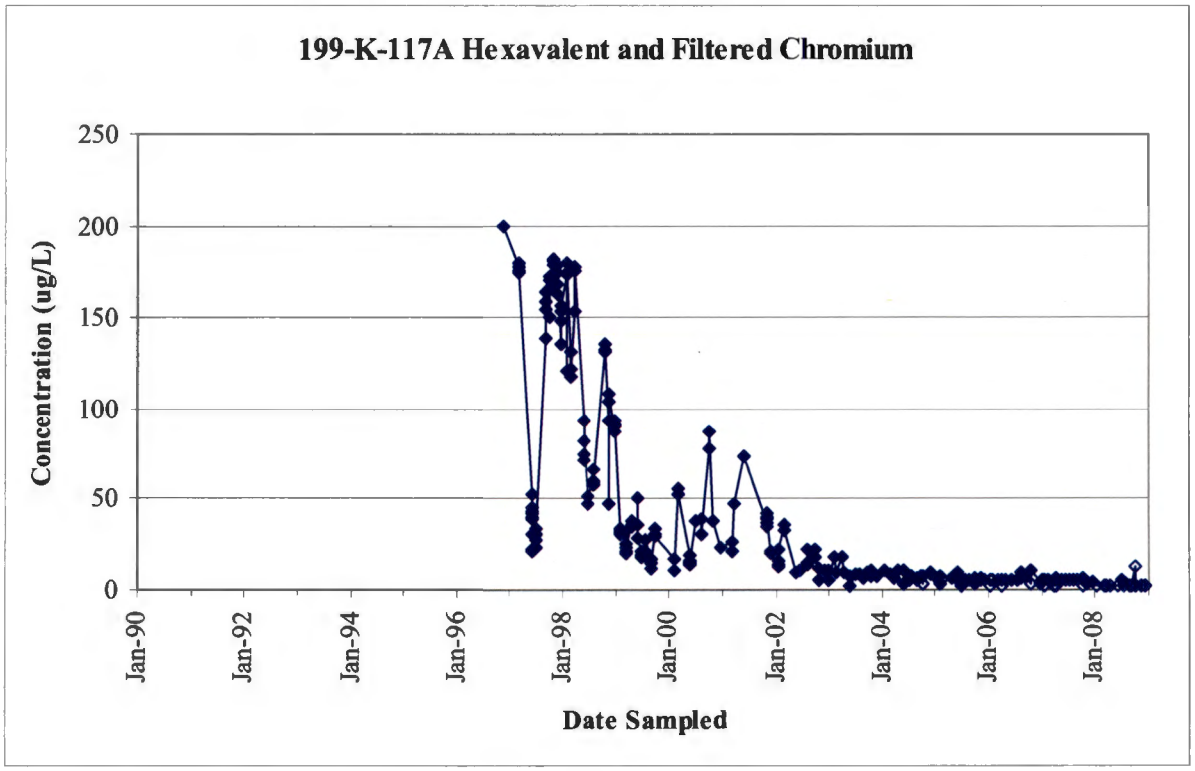

199-K-112A Hexavalent and Filtered Chromium
Concentration (ug/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

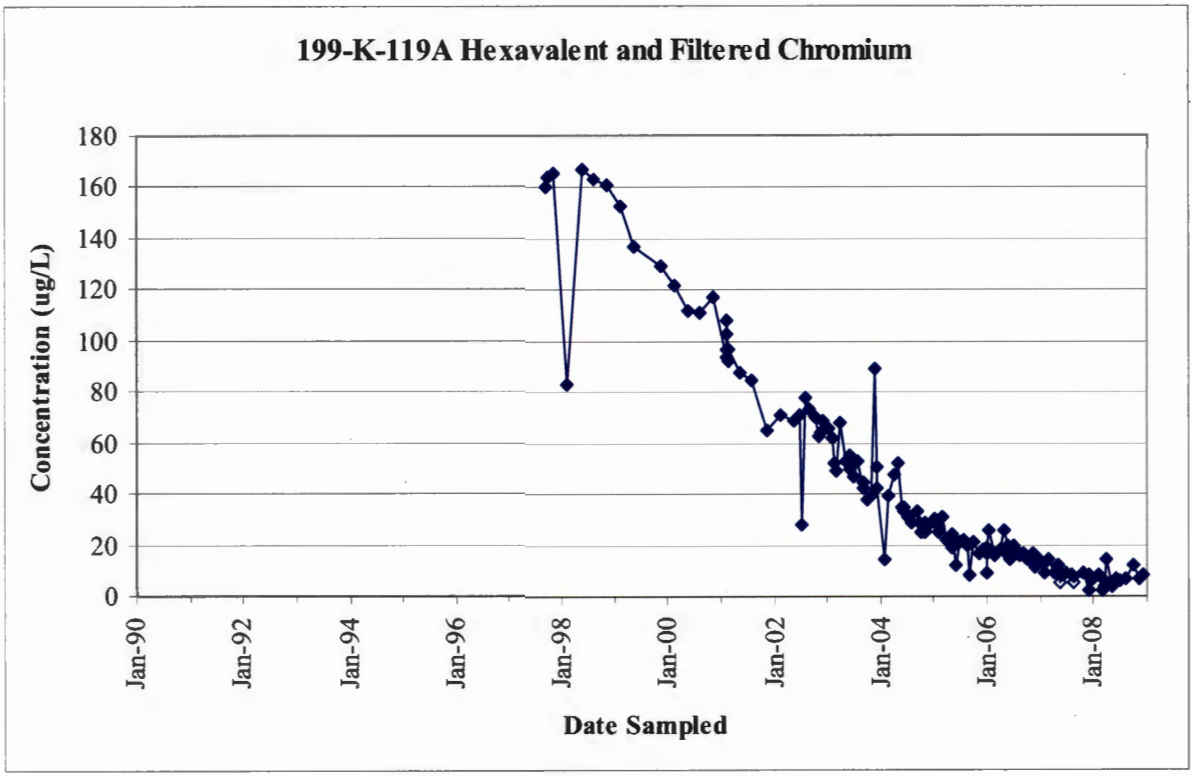

199-K-113A Hexavalent and Filtered Chromium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

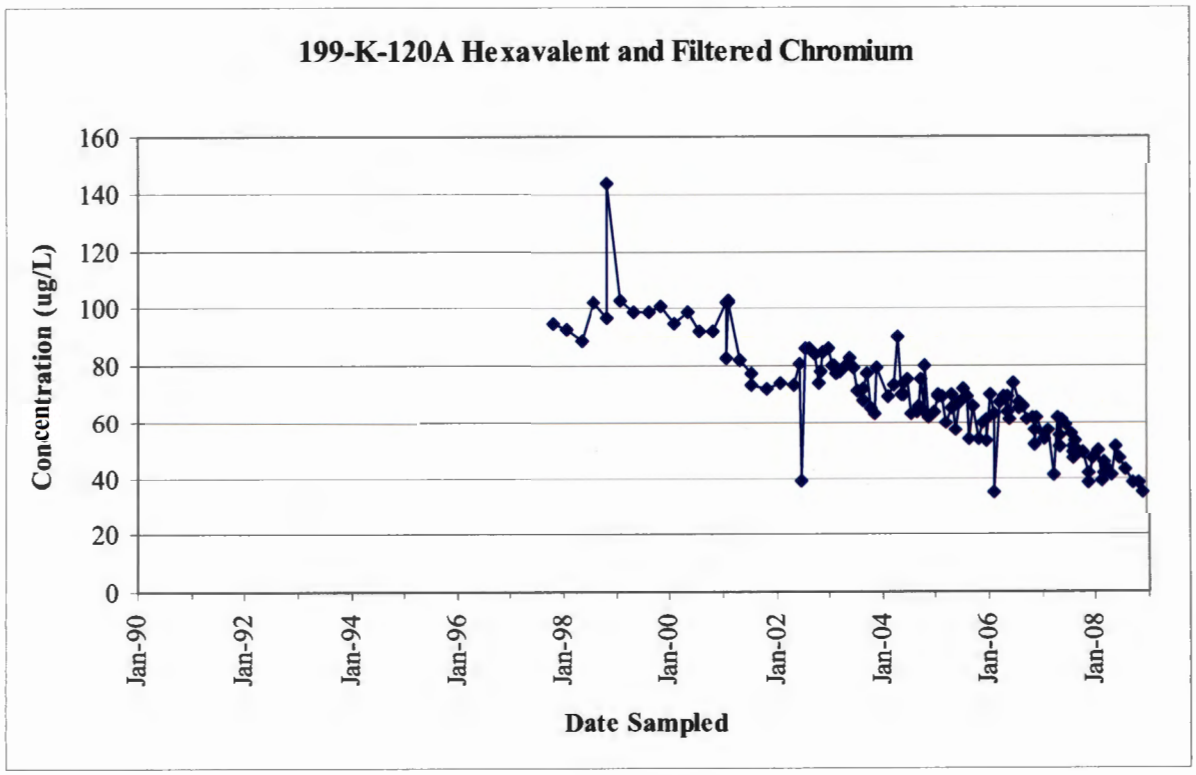

199-K-114A Hexavalent and Filtered Chromium
Concentration (ug/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

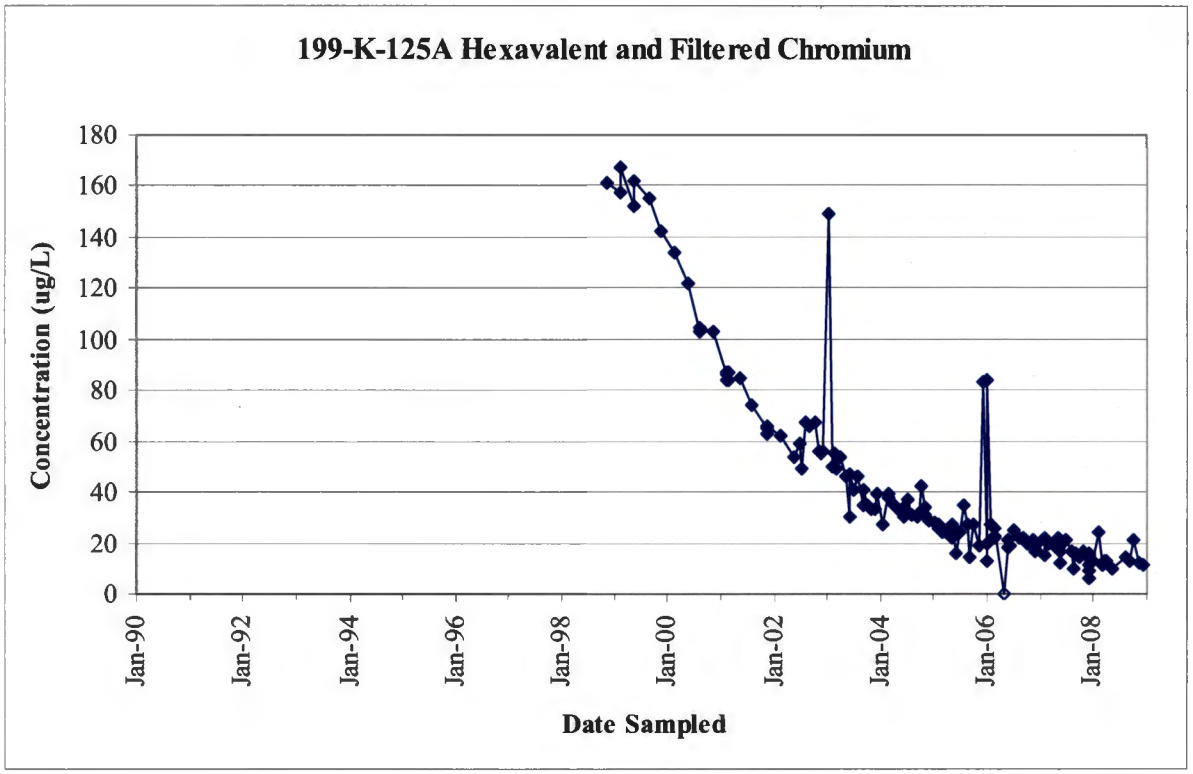

199-K-115A Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

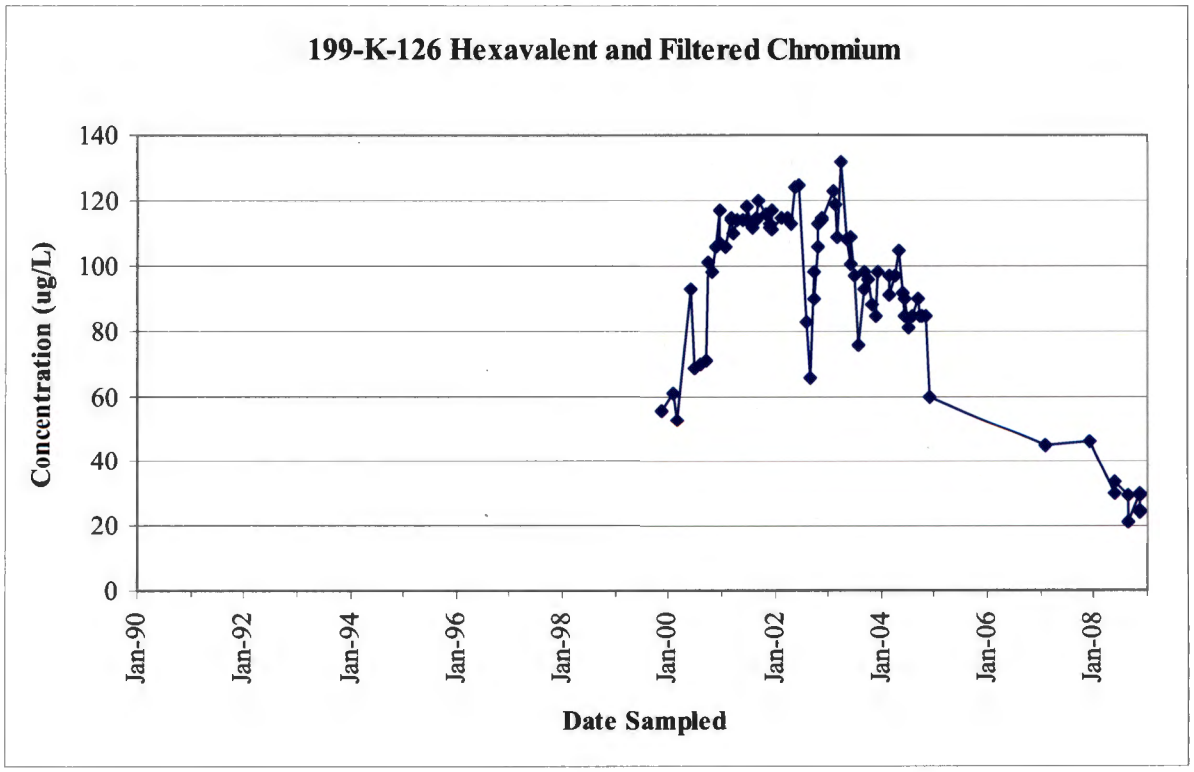

199-K-116A Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

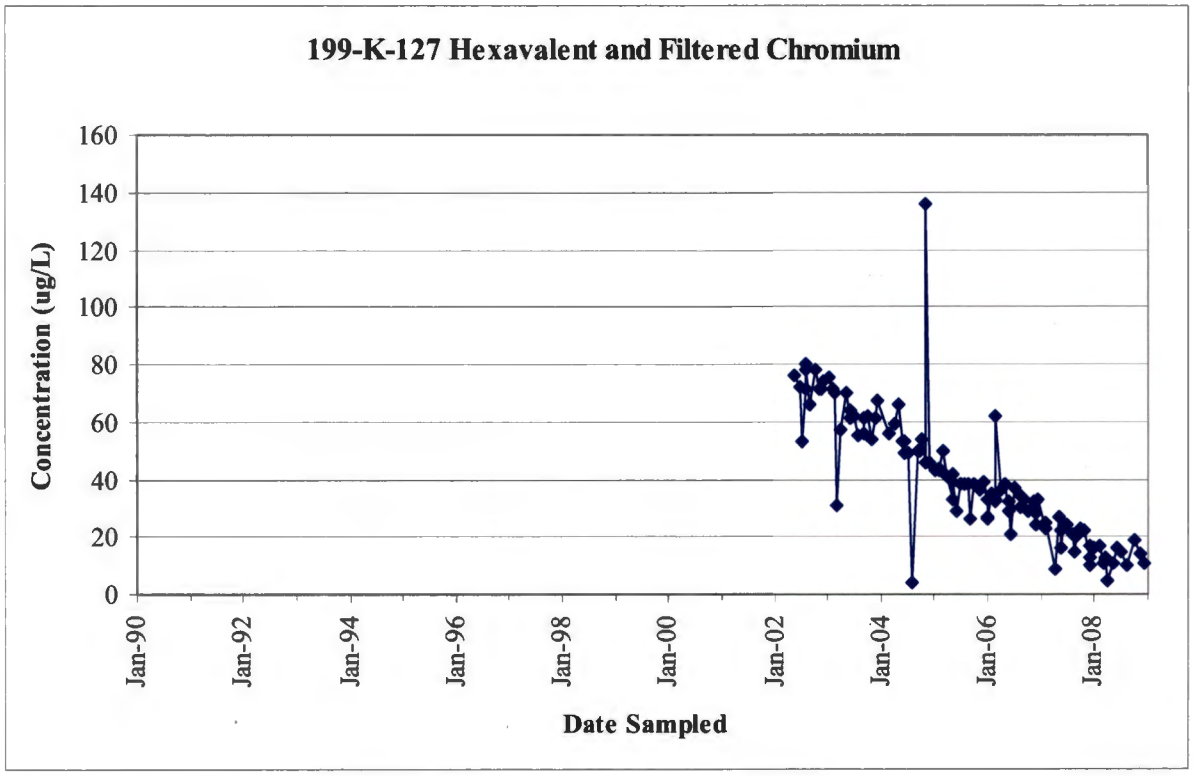

199-K-117A Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

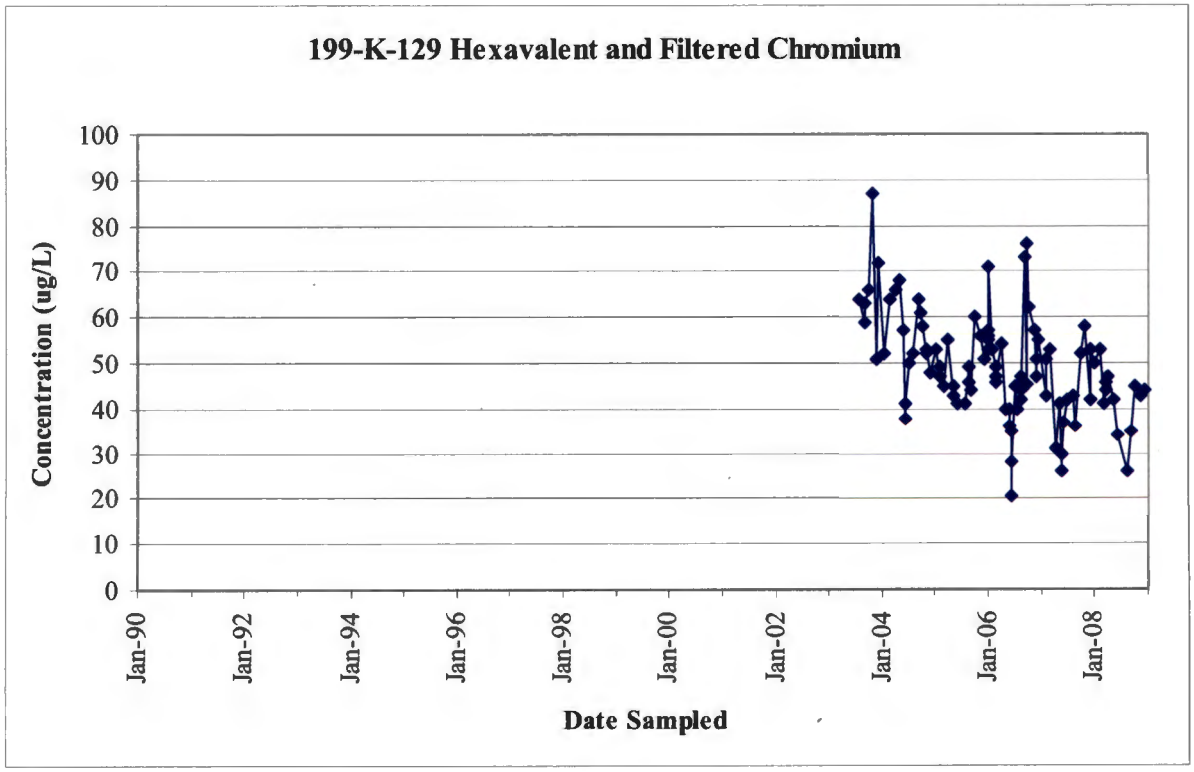

199-K-119A Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

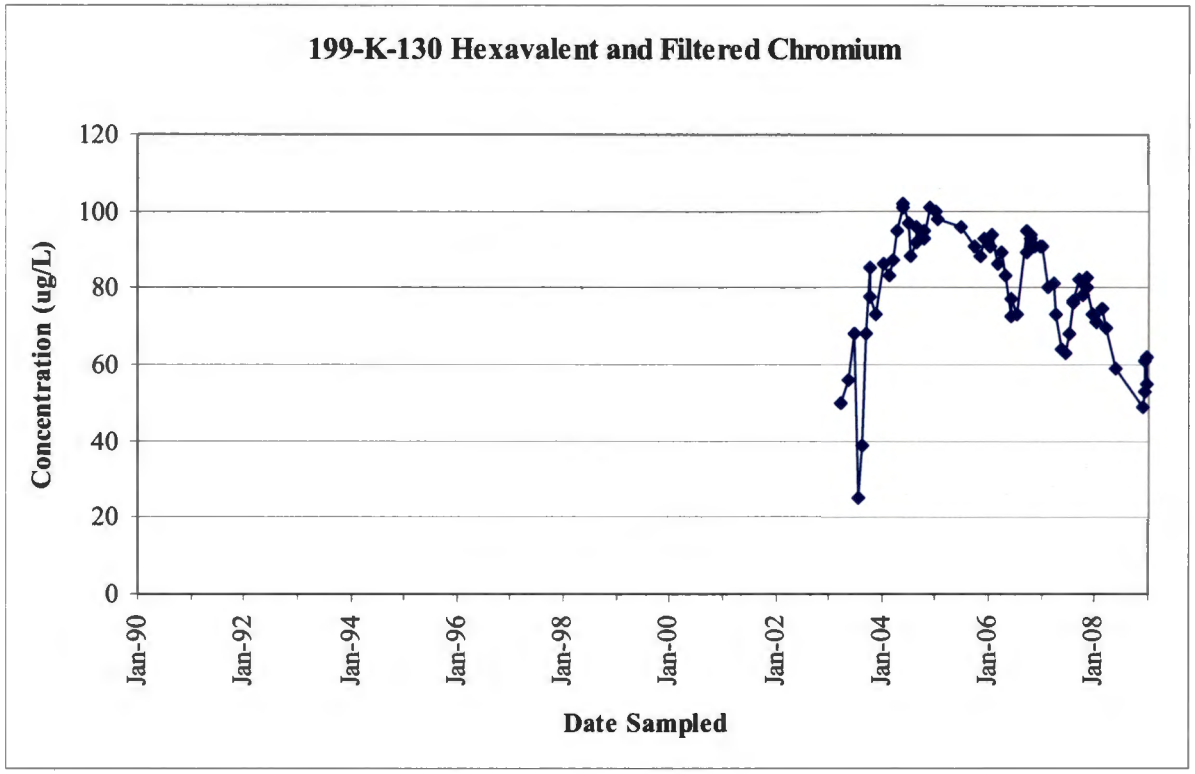

199-K-120A Hexavalent and Filtered Chromium
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

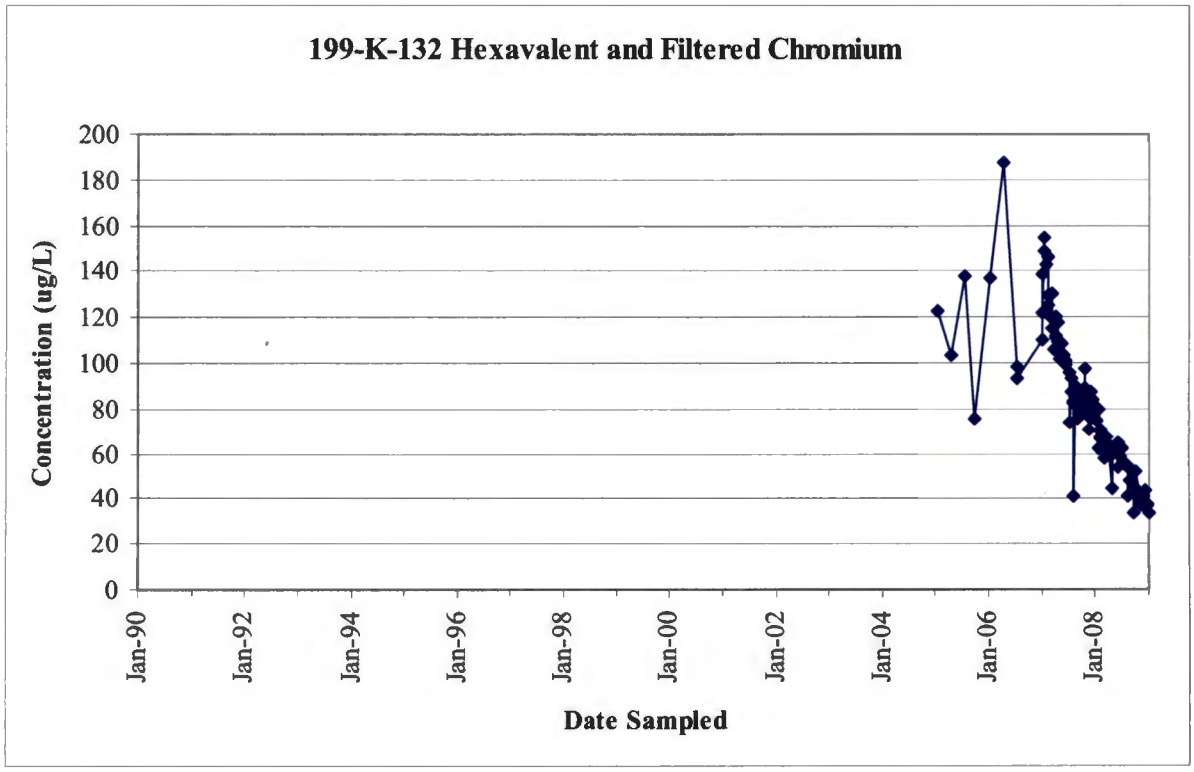

199-K-125A Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

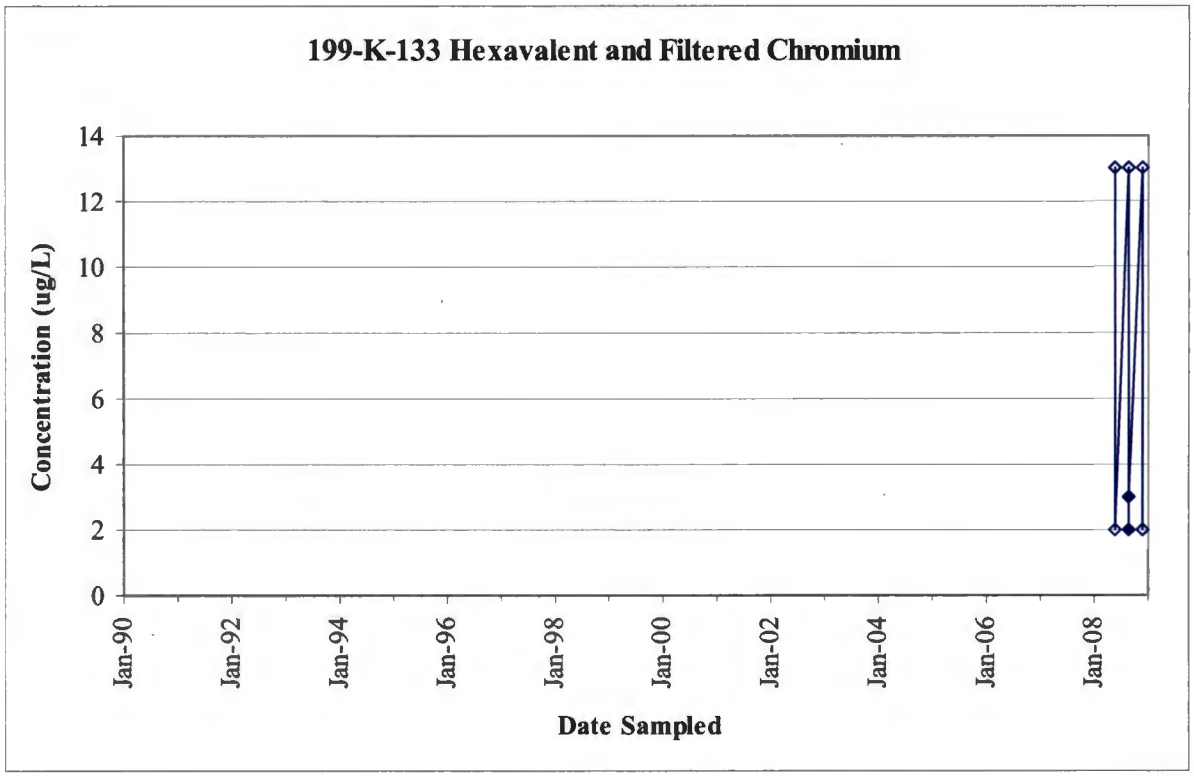

199-K-126 Hexavalent and Filtered Chromium
Concentration (ug/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

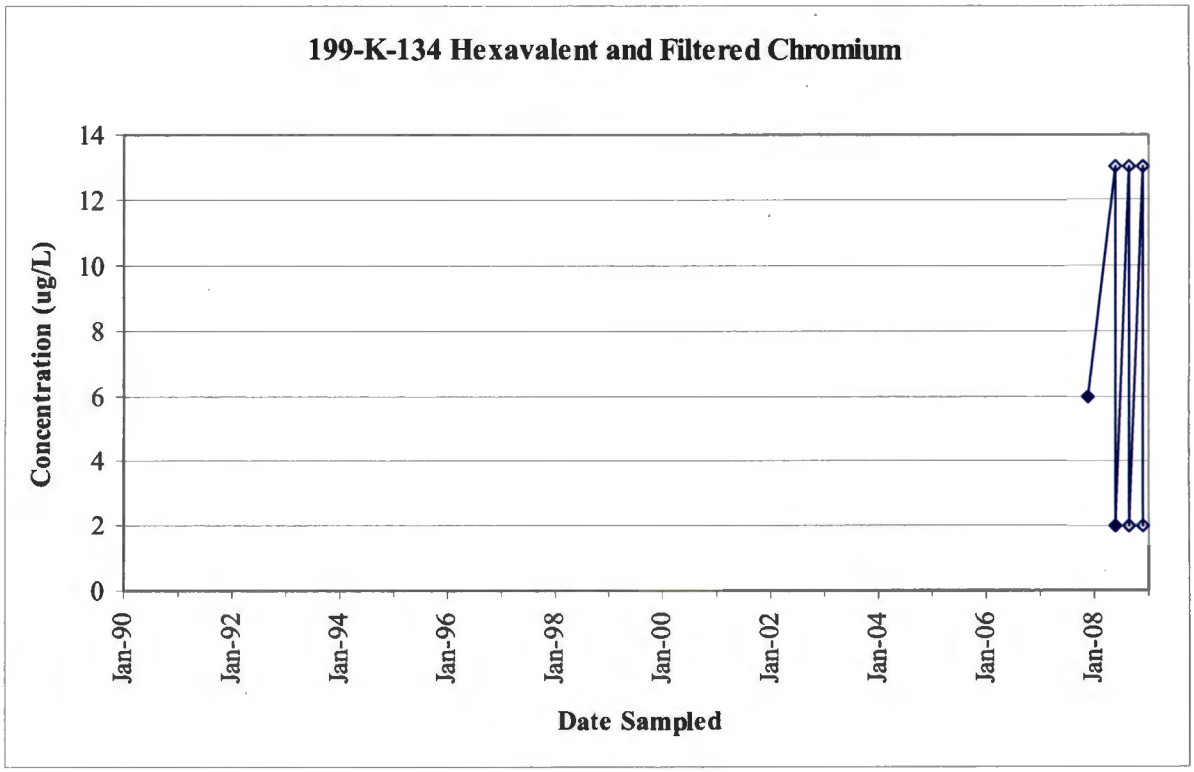

199-K-127 Hexavalent and Filtered Chromium
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

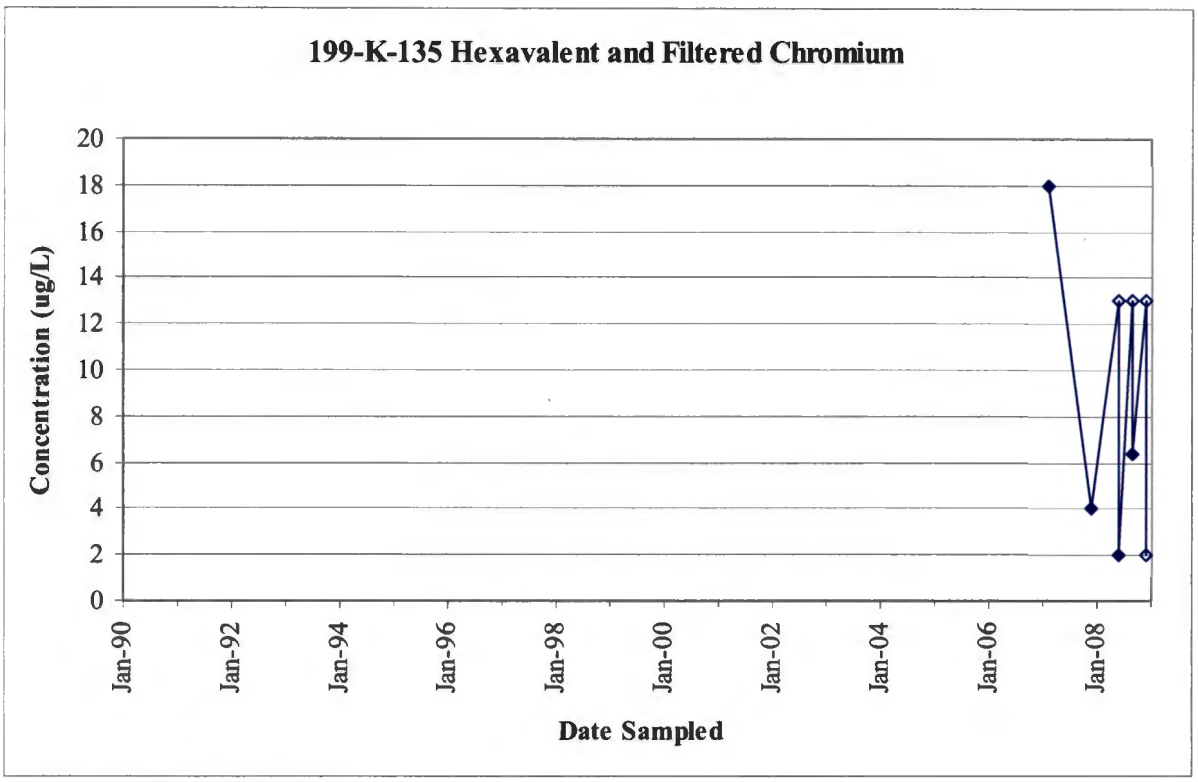

199-K-129 Hexavalent and Filtered Chromium
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

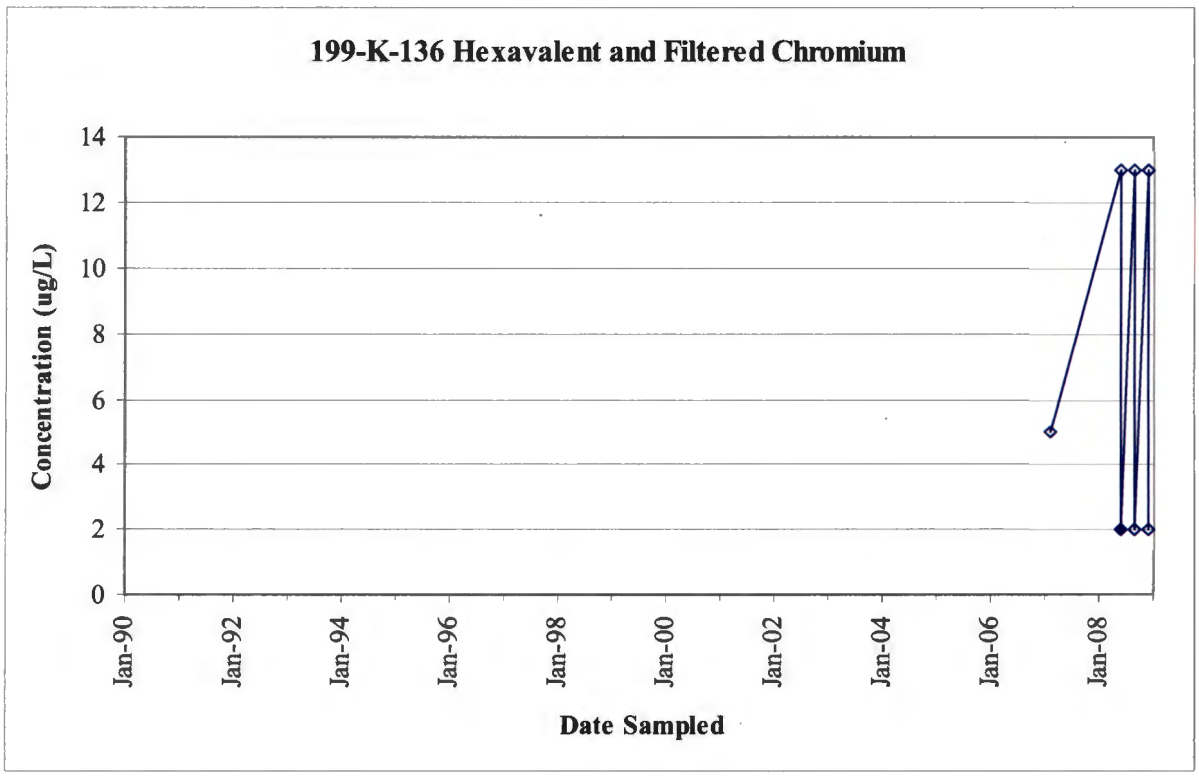

199-K-130 Hexavalent and Filtered Chromium
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

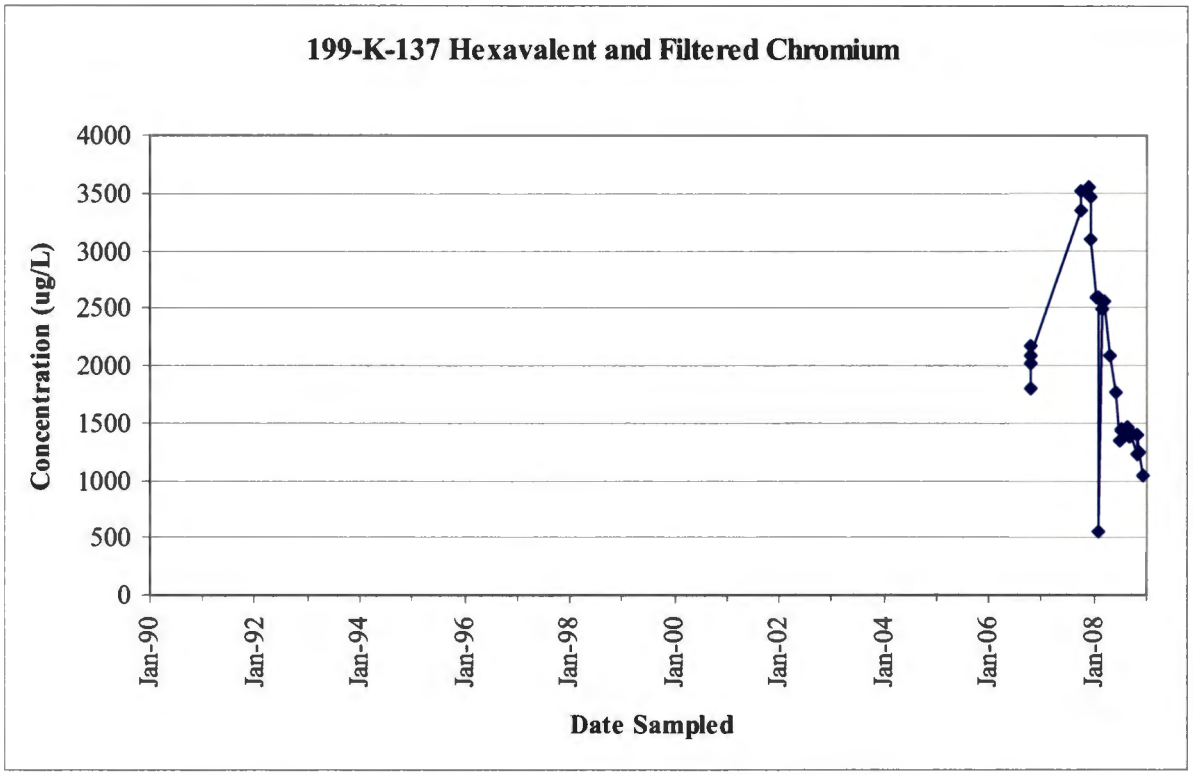

199-K-132 Hexavalent and Filtered Chromium
Concentration (ug/L)
200
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

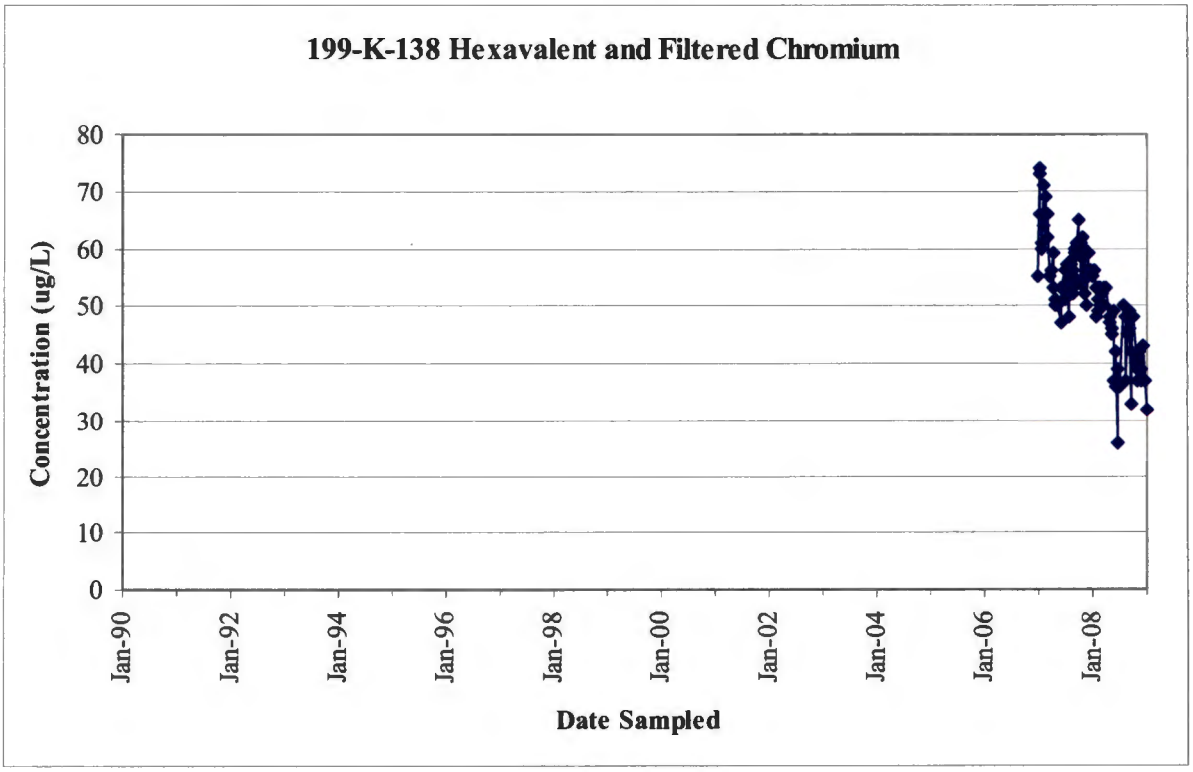

199-K-133 Hexavalent and Filtered Chromium
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

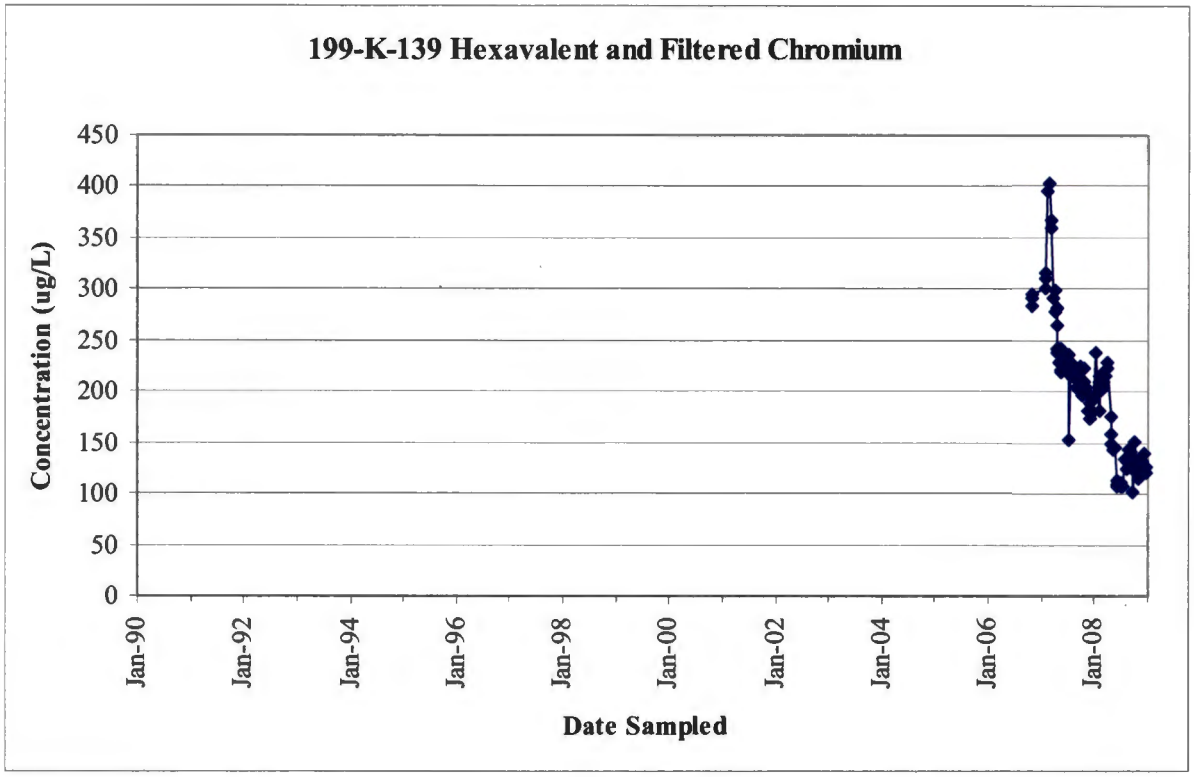

199-K-134 Hexavalent and Filtered Chromium
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

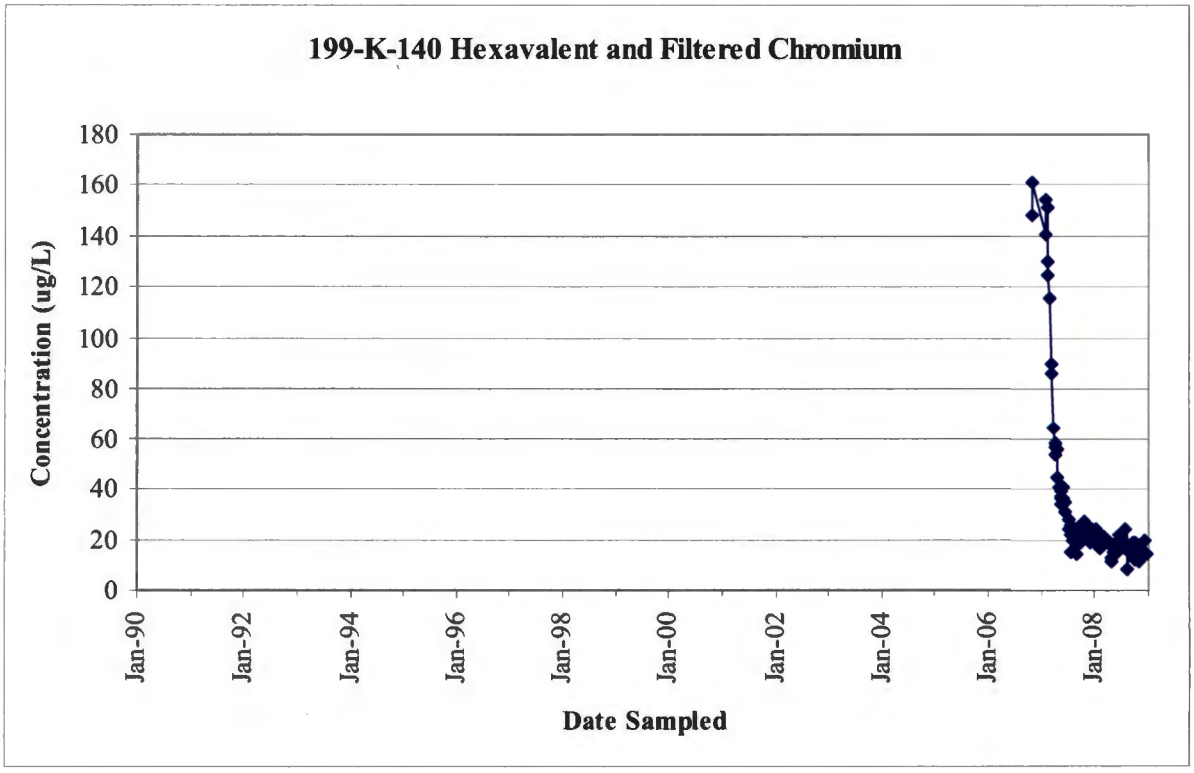

199-K-135 Hexavalent and Filtered Chromium
Concentration (ug/L)
20
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

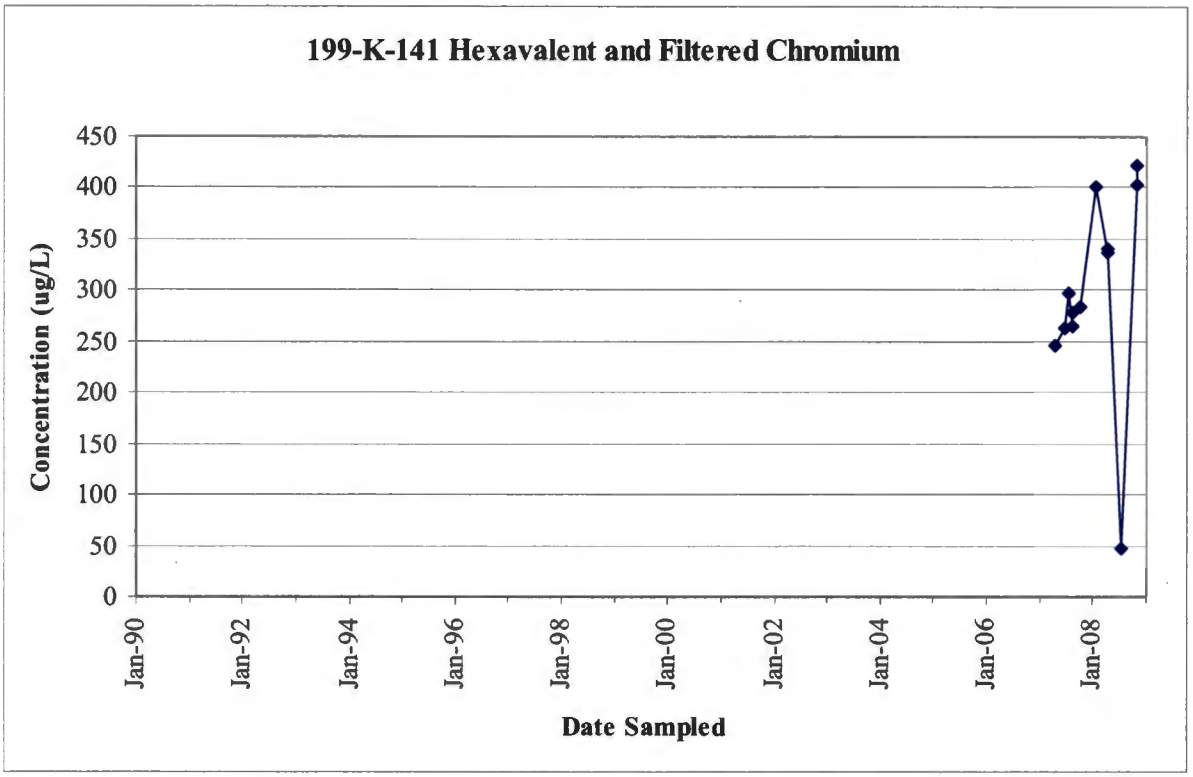

199-K-136 Hexavalent and Filtered Chromium
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

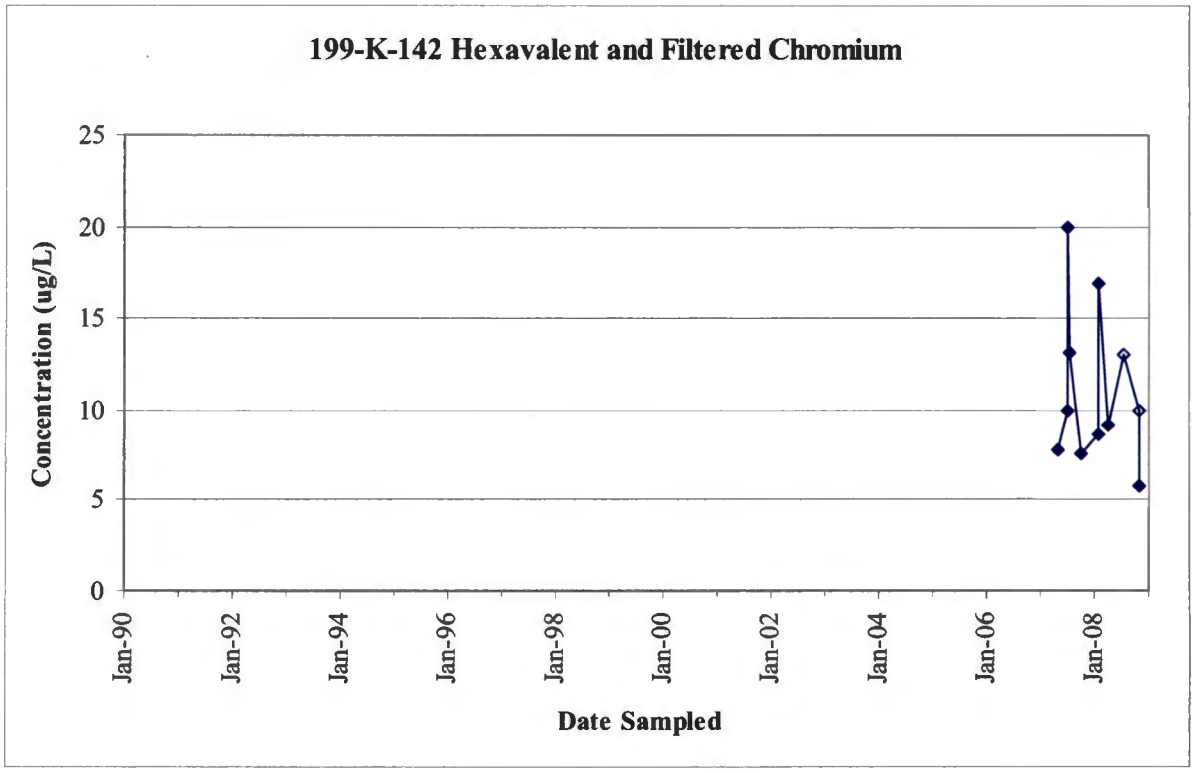

199-K-137 Hexavalent and Filtered Chromium
Concentration (ug/L)
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

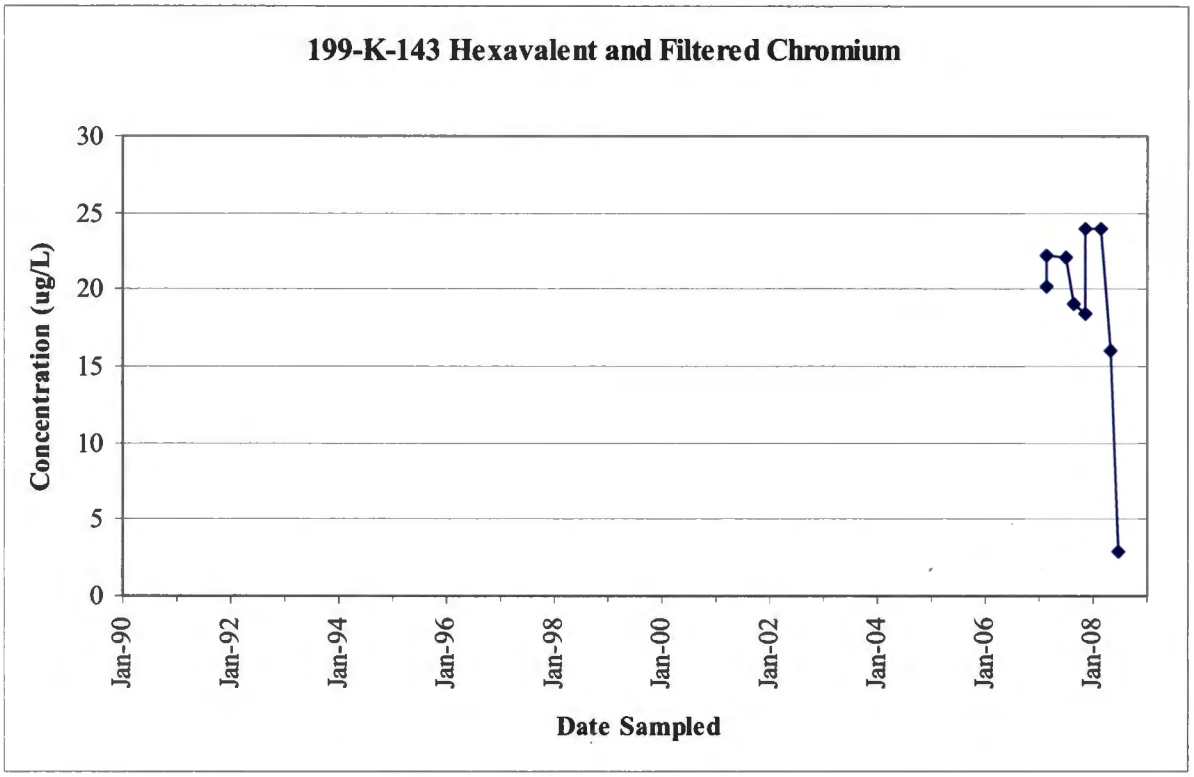

199-K-138 Hexavalent and Filtered Chromium
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

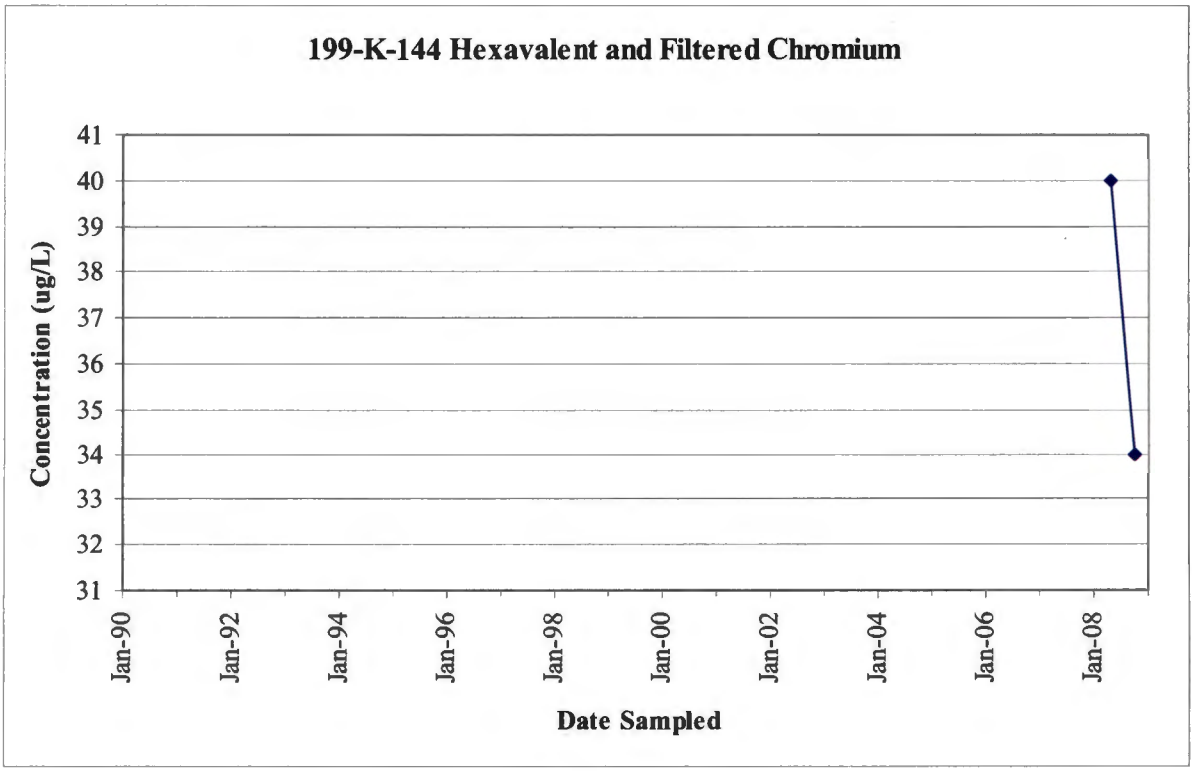

199-K-139 Hexavalent and Filtered Chromium
Concentration (ug/L)
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

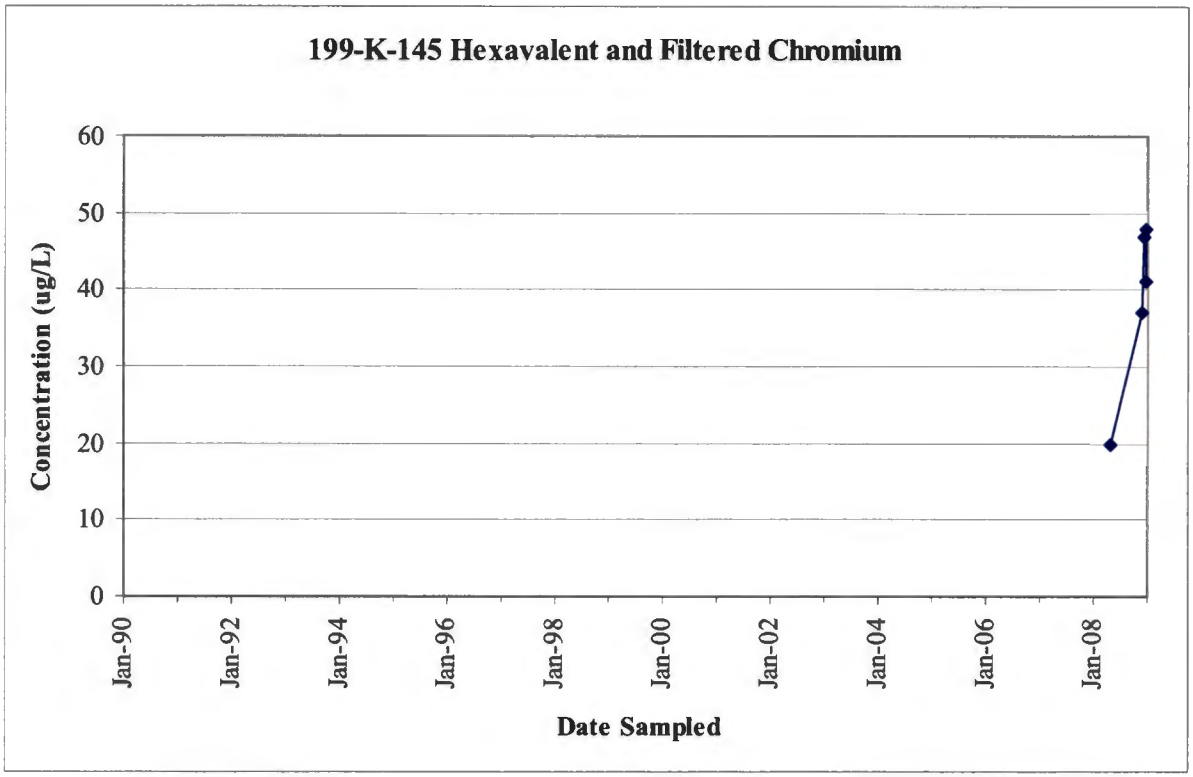

199-K-140 Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

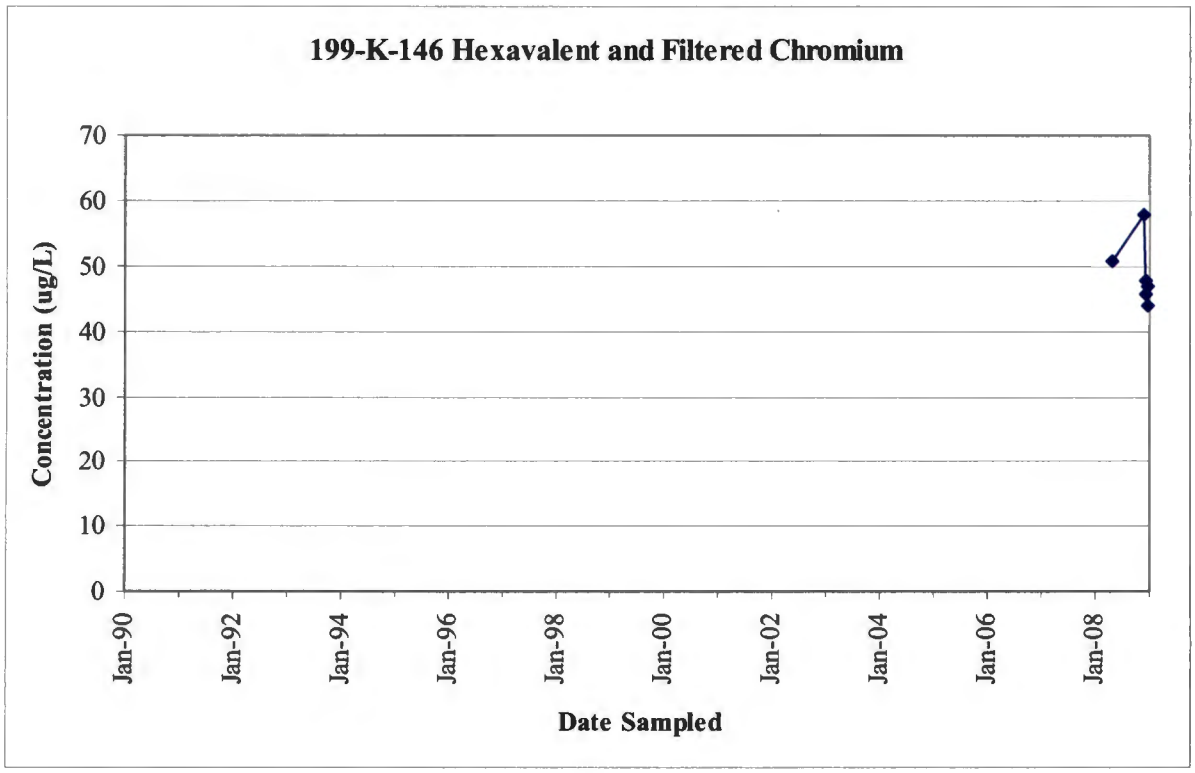

199-K-141 Hexavalent and Filtered Chromium
Concentration (ug/L)
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

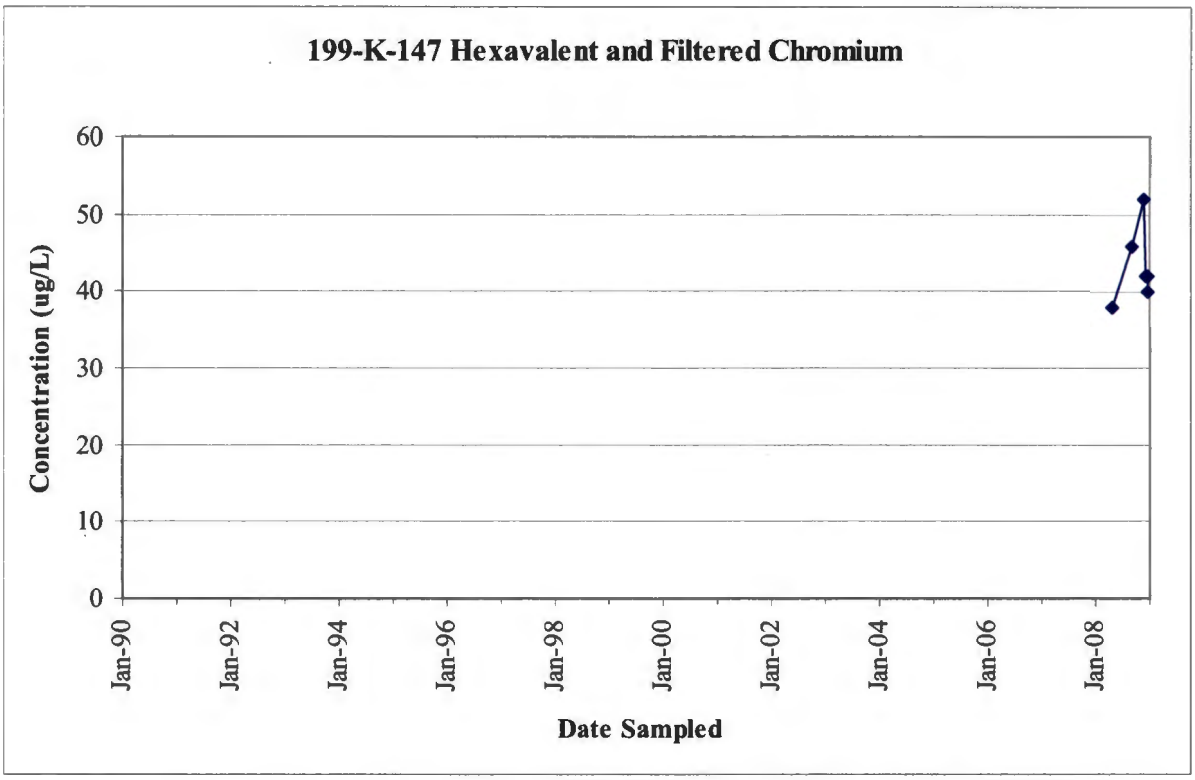

199-K-142 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

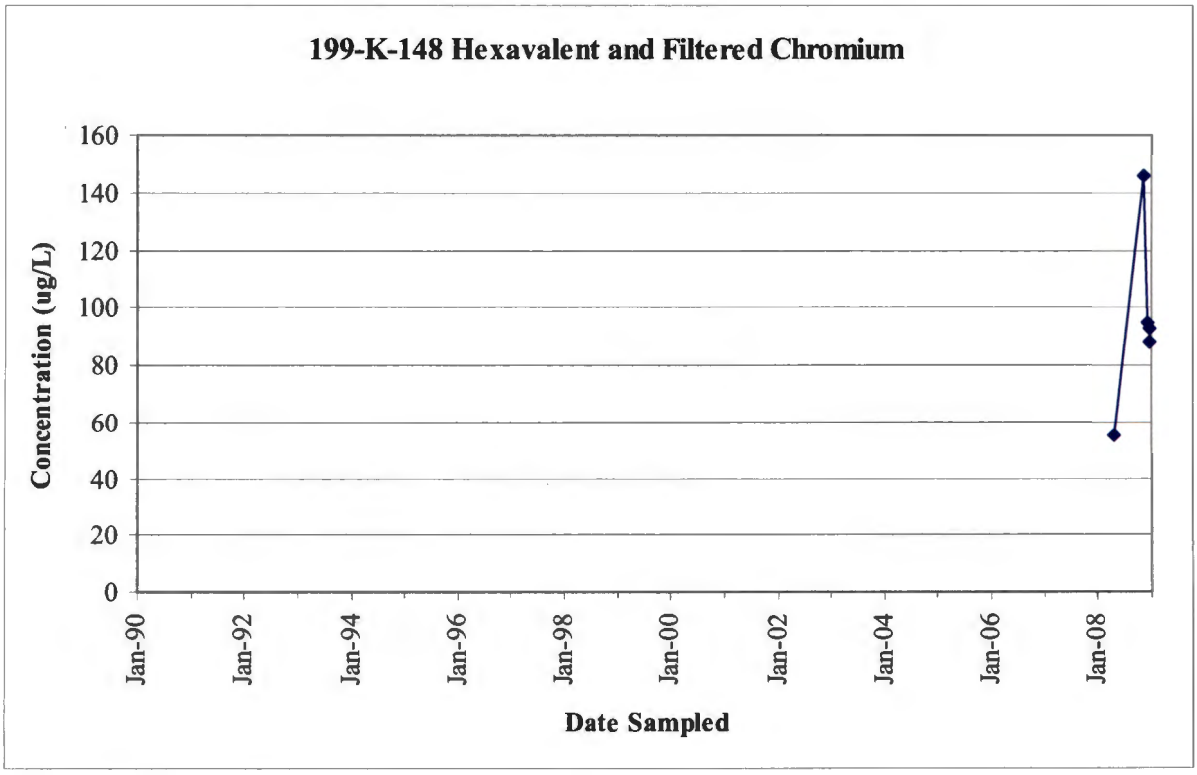

199-K-143 Hexavalent and Filtered Chromium
Concentration (ug/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

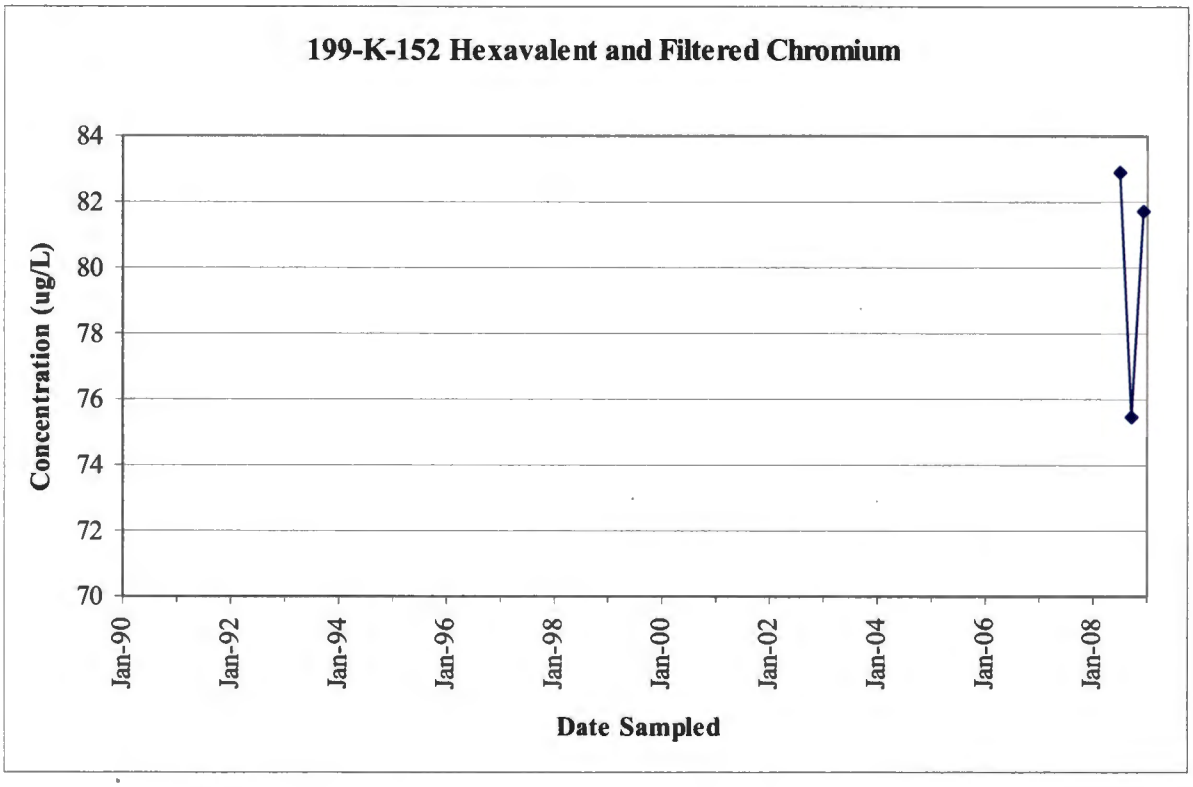

199-K-144 Hexavalent and Filtered Chromium
Concentration (ug/L)
41
40
39
38
37
36
35
34
33
32
31
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

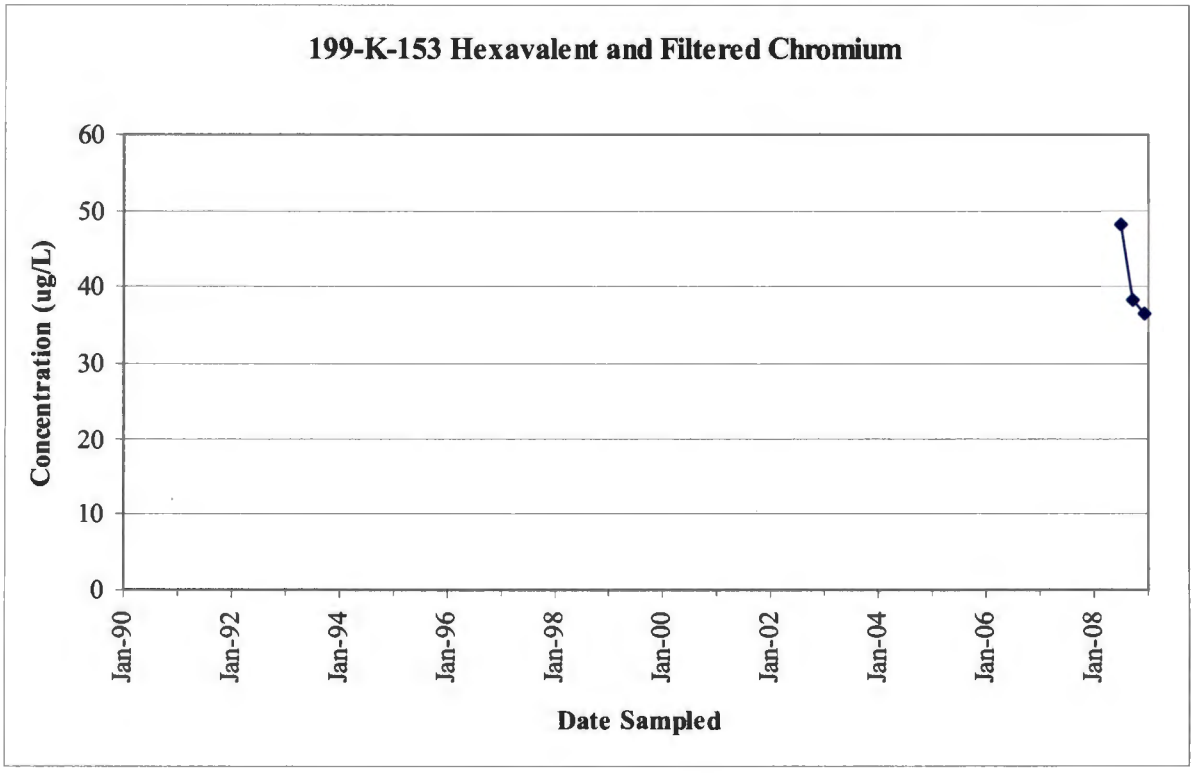

199-K-145 Hexavalent and Filtered Chromium
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

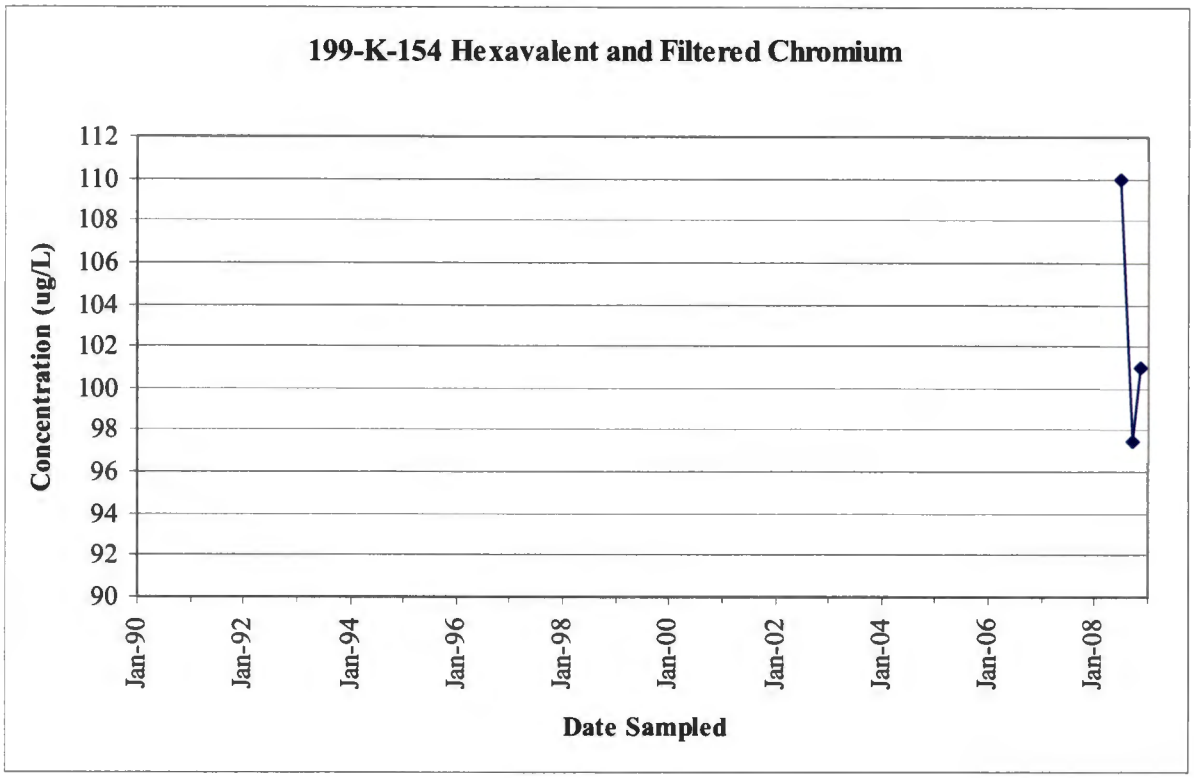

199-K-146 Hexavalent and Filtered Chromium
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

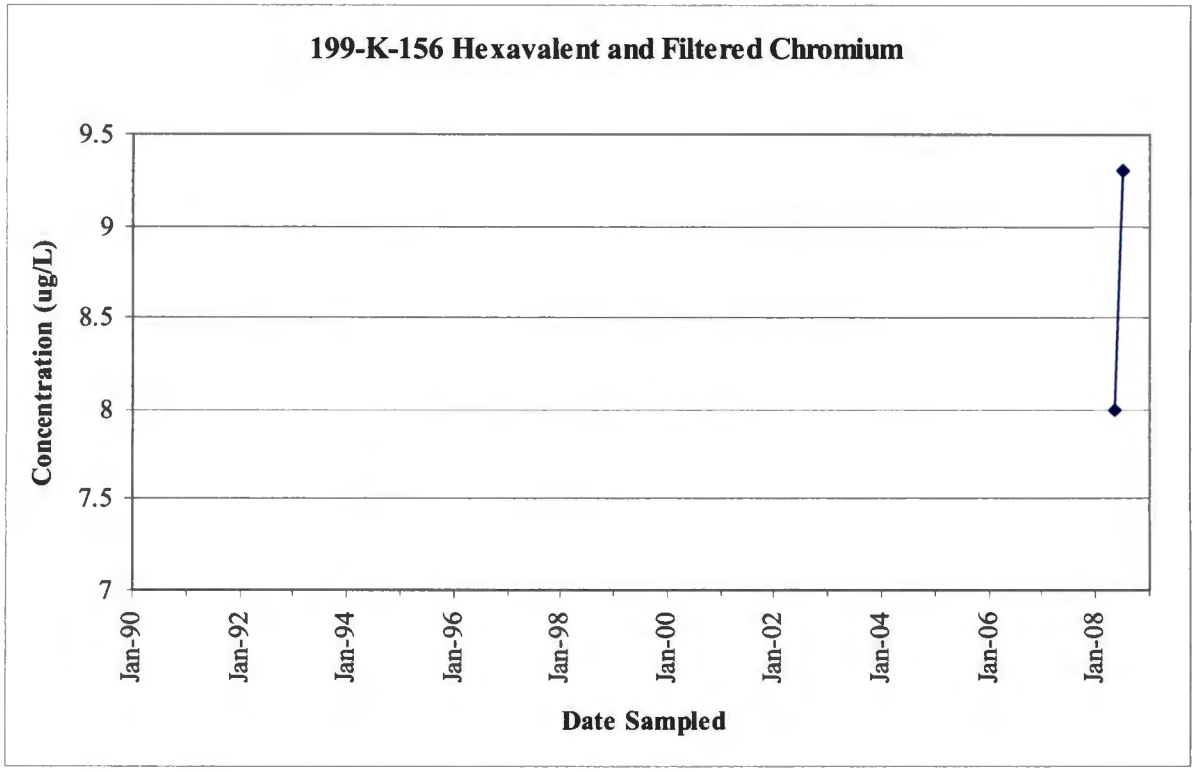

199-K-147 Hexavalent and Filtered Chromium
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

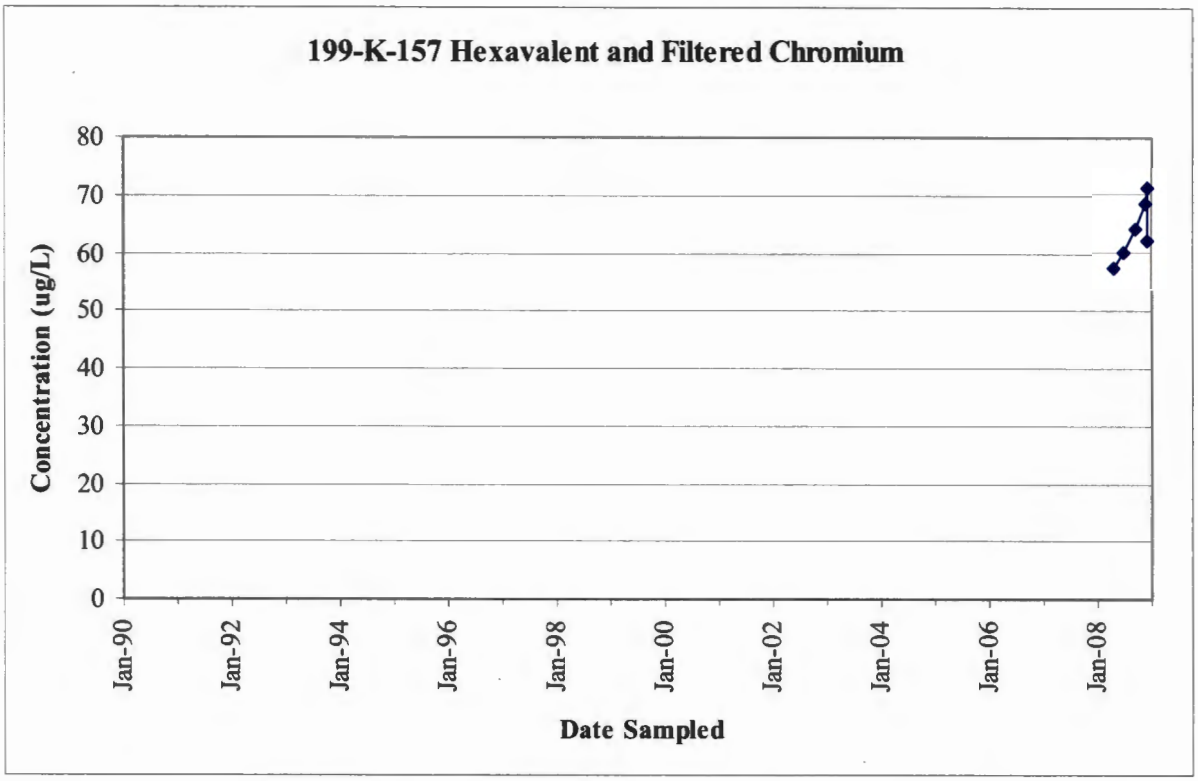

199-K-148 Hexavalent and Filtered Chromium
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

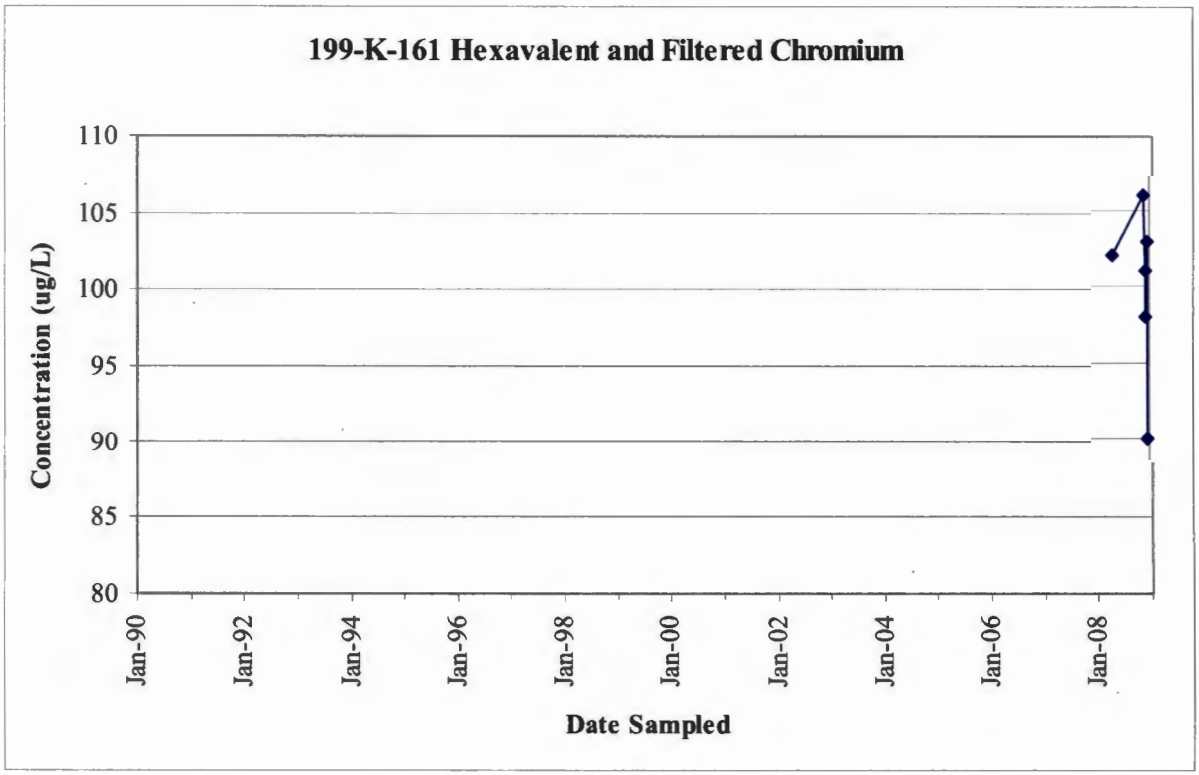

199-K-152 Hexavalent and Filtered Chromium
Concentration (ug/L)
84
82
80
78
76
74
72
70
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

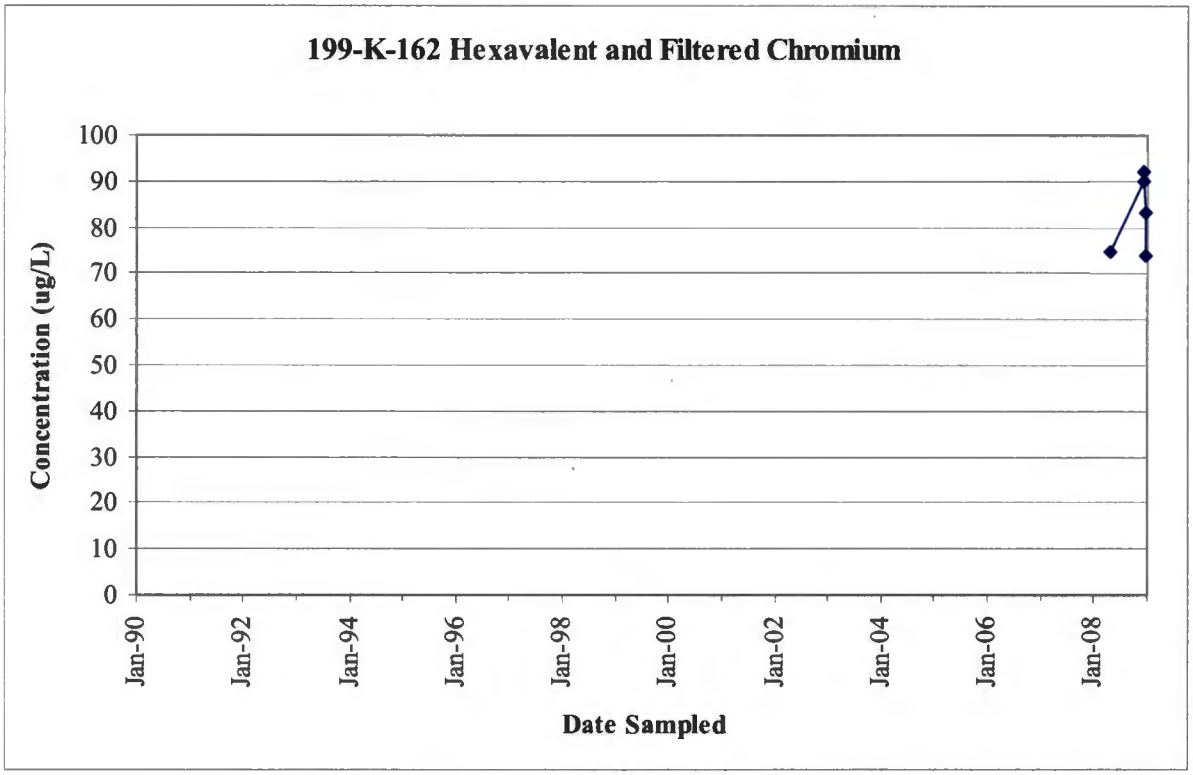

199-K-153 Hexavalent and Filtered Chromium
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

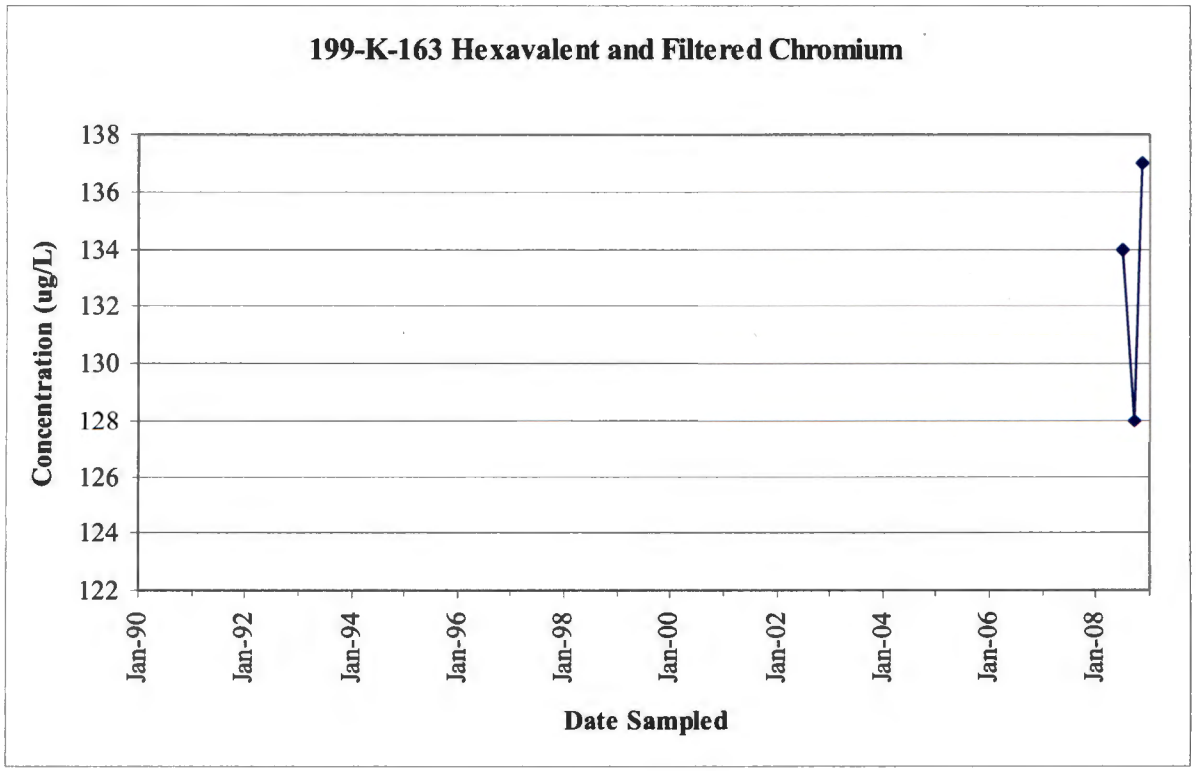

199-K-154 Hexavalent and Filtered Chromium
Concentration (ug/L)
112
110
108
106
104
102
100
98
96
94
92
90
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

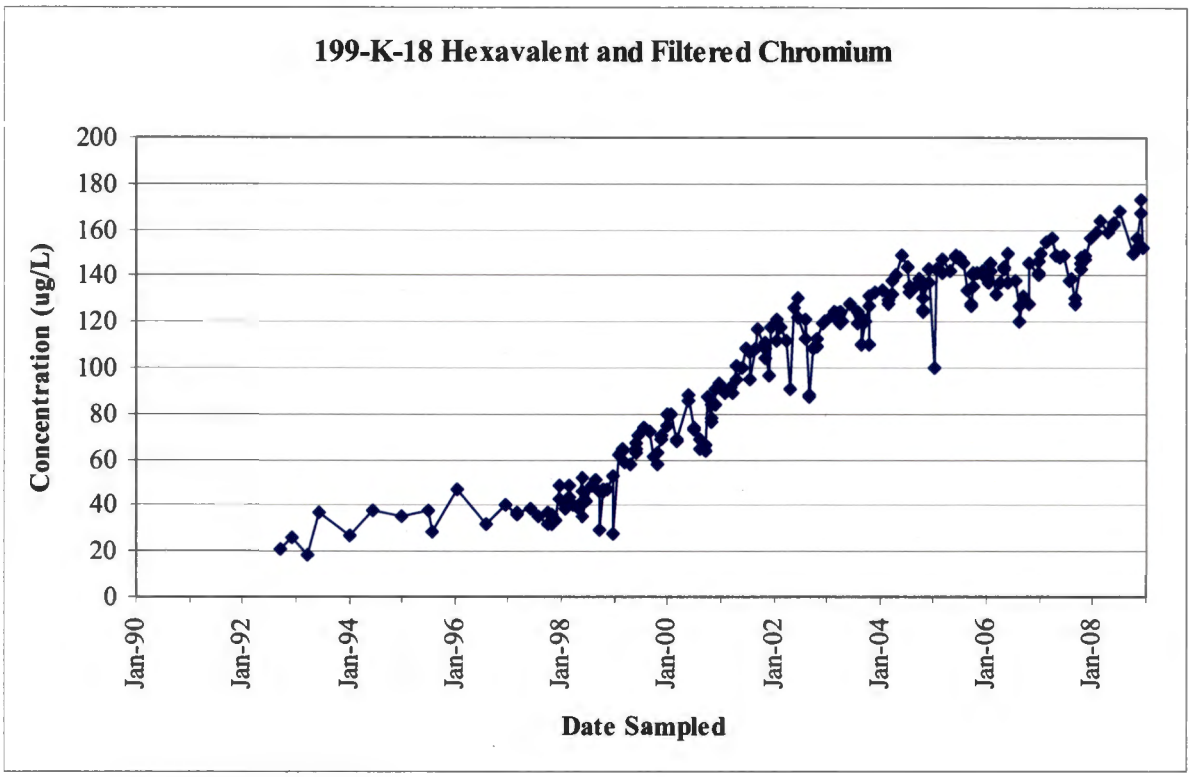

199-K-156 Hexavalent and Filtered Chromium
Concentration (ug/L)
9.5
9
8.5
8
7.5
7
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

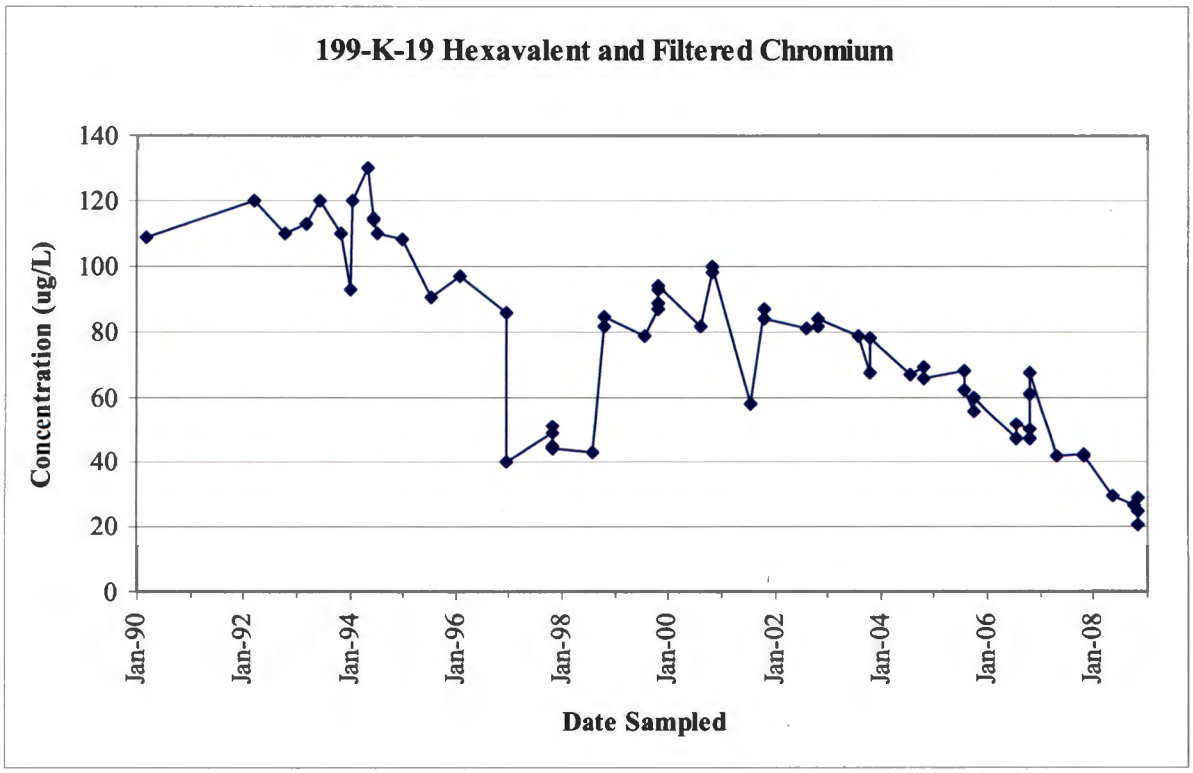

199-K-157 Hexavalent and Filtered Chromium
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

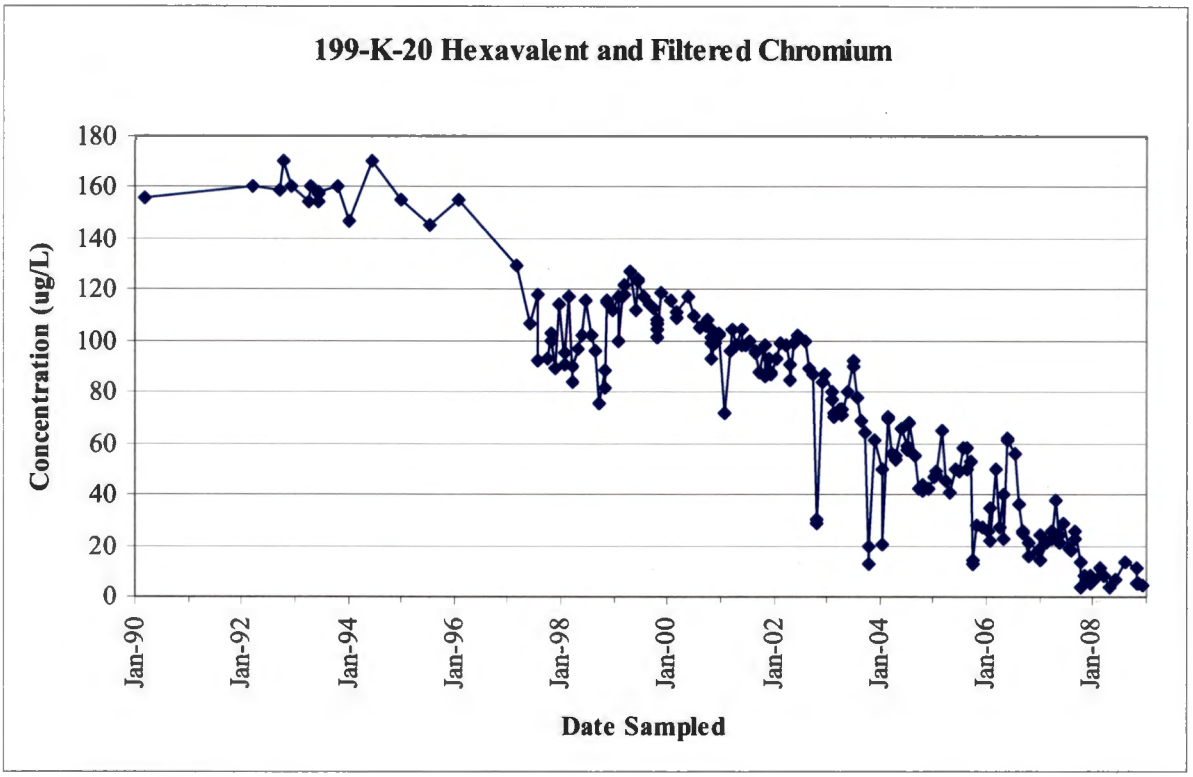

199-K-161 Hexavalent and Filtered Chromium
Concentration (ug/L)
110
105
100
95
90
85
80
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

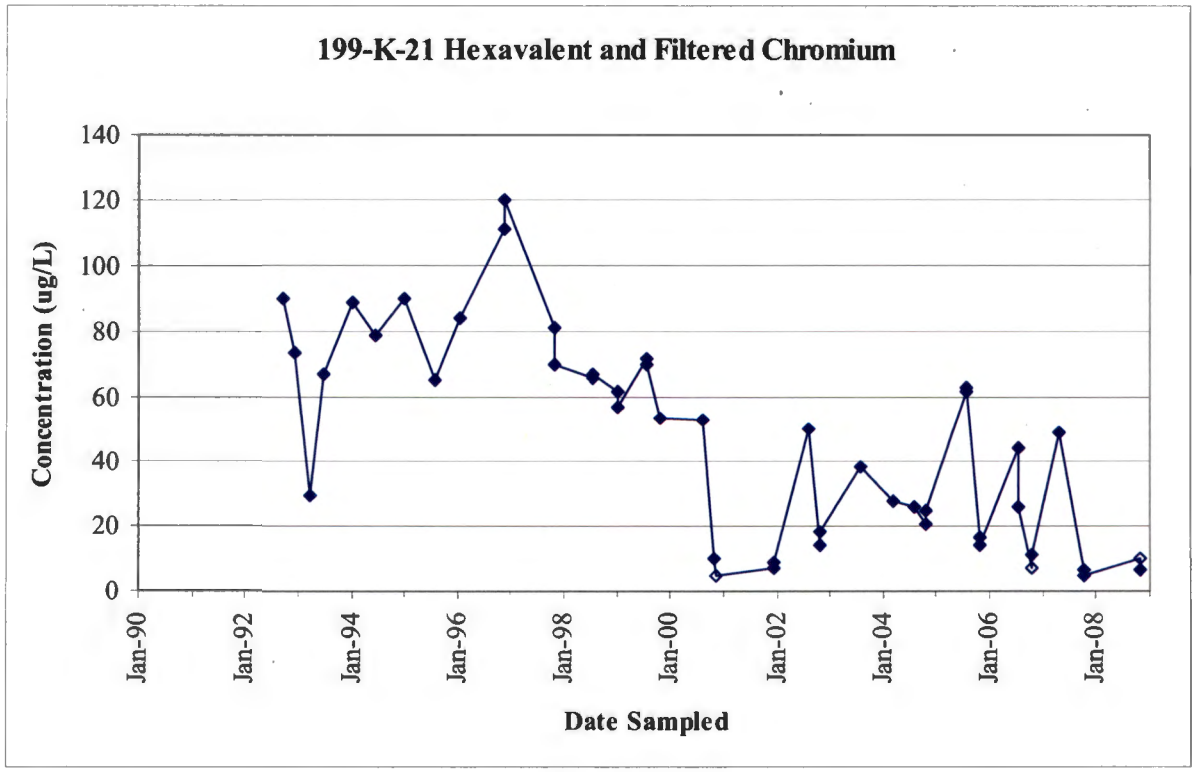

199-K-162 Hexavalent and Filtered Chromium
Concentration (ug/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

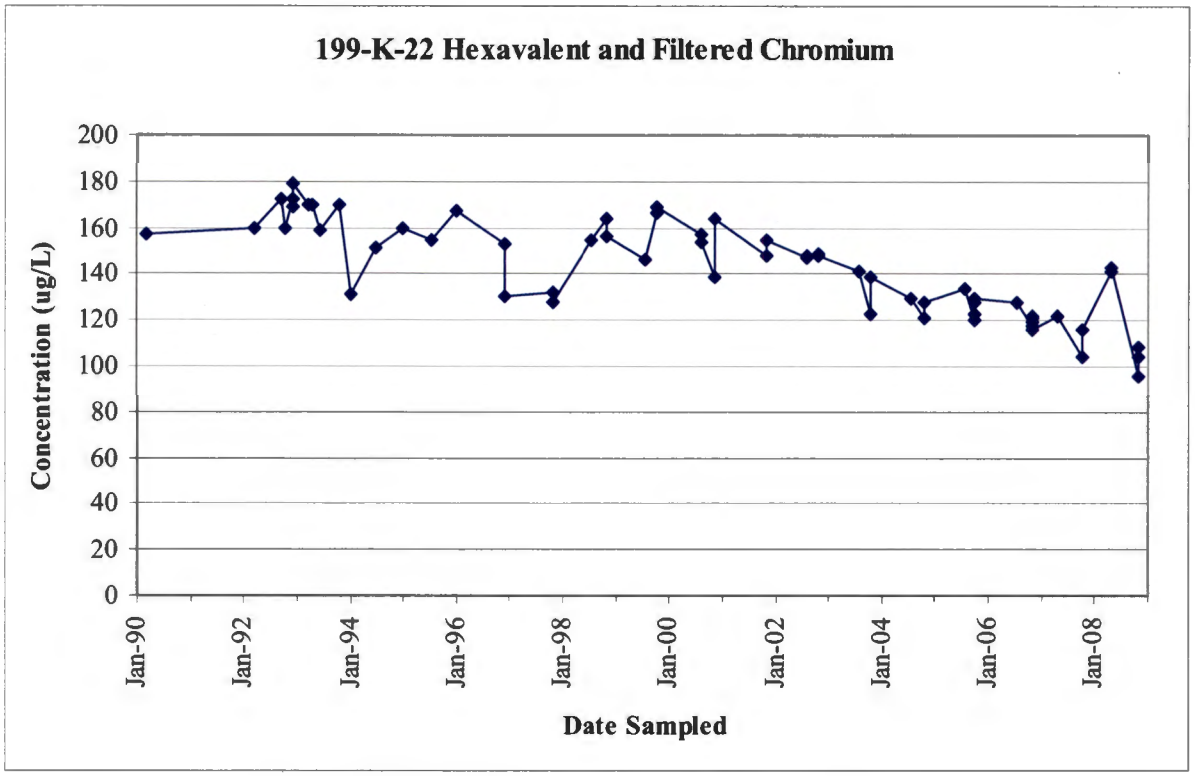

199-K-163 Hexavalent and Filtered Chromium
Concentration (ug/L)
138
136
134
132
130
128
126
124
122
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

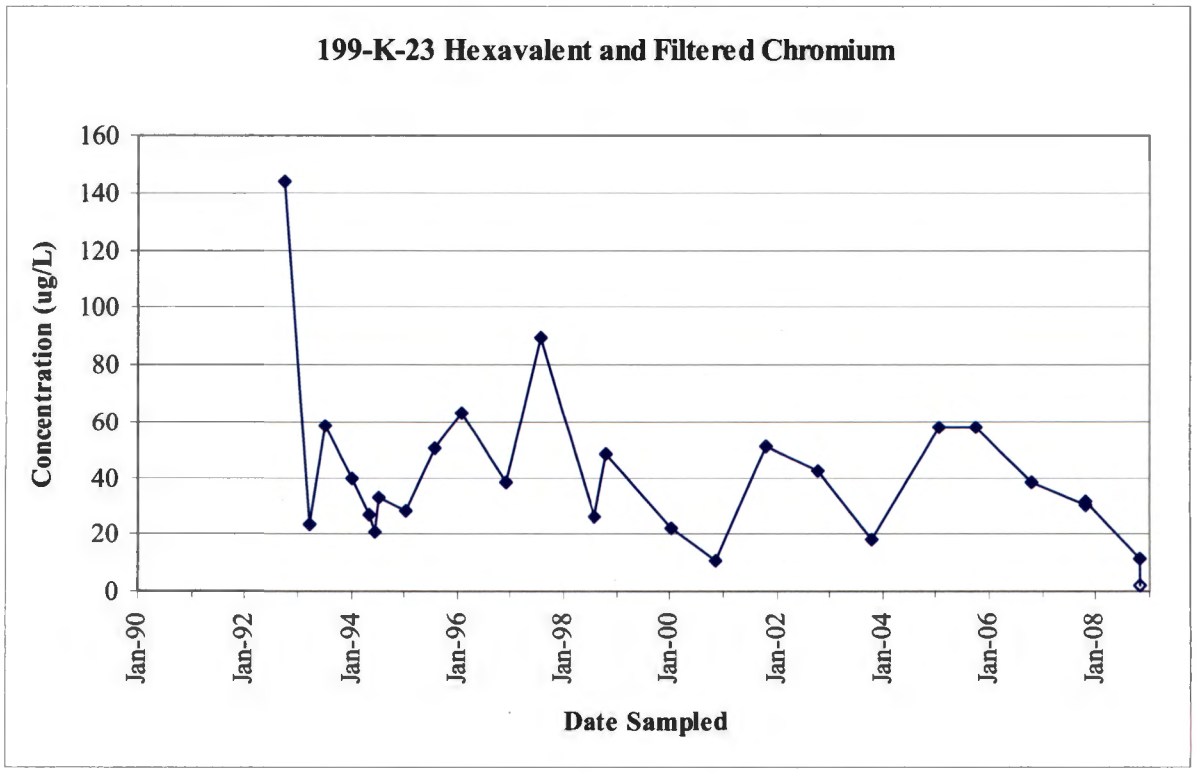

199-K-18 Hexavalent and Filtered Chromium
Concentration (ug/L)
200
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

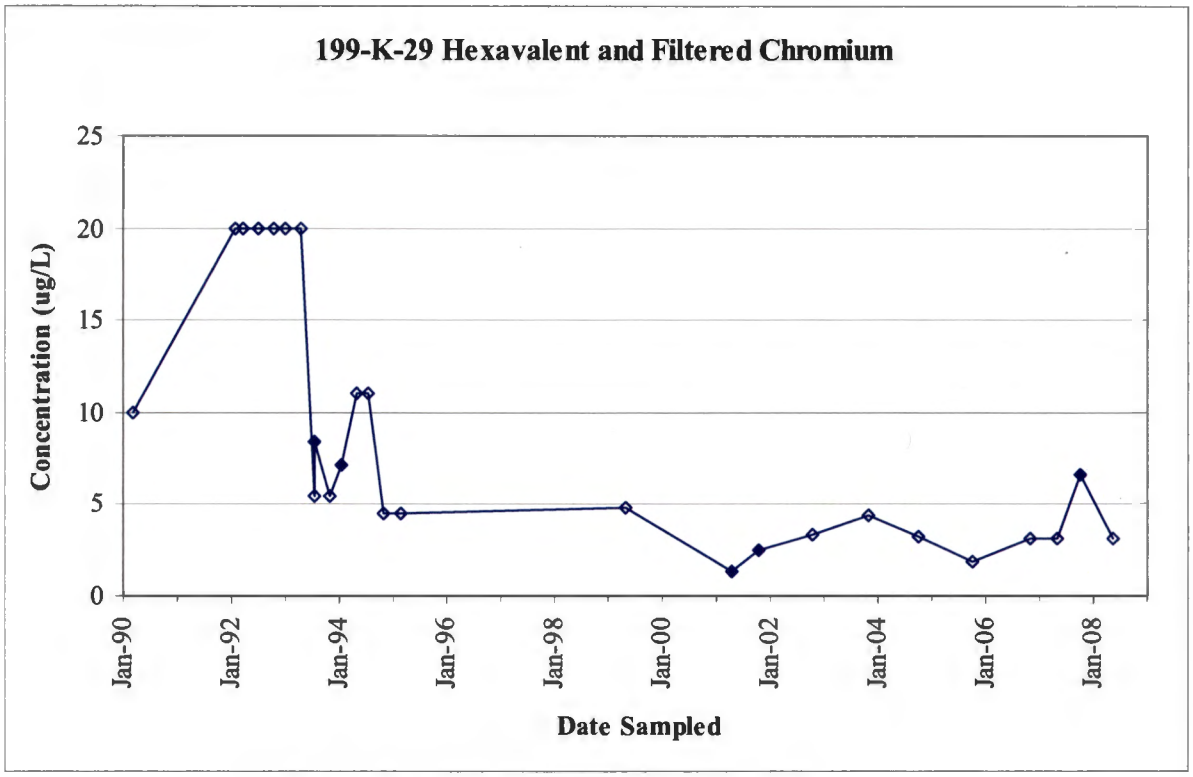

199-K-19 Hexavalent and Filtered Chromium
Concentration (ug/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

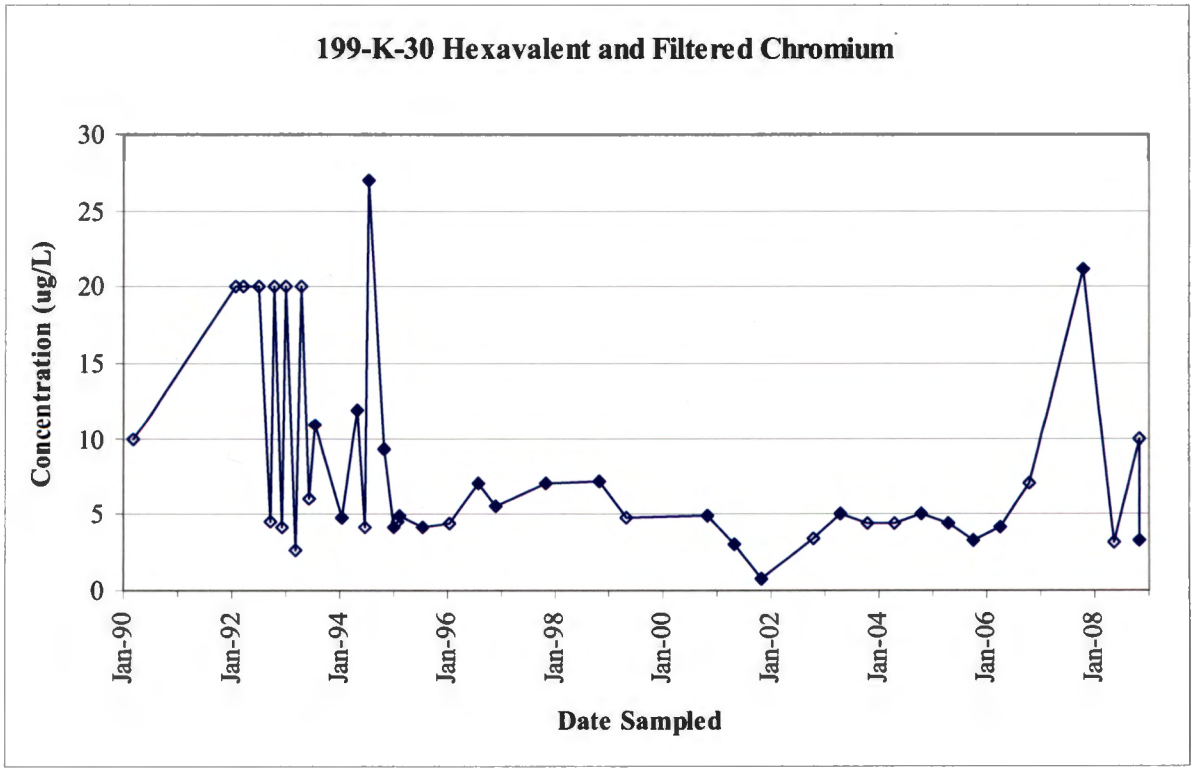

199-K-20 Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

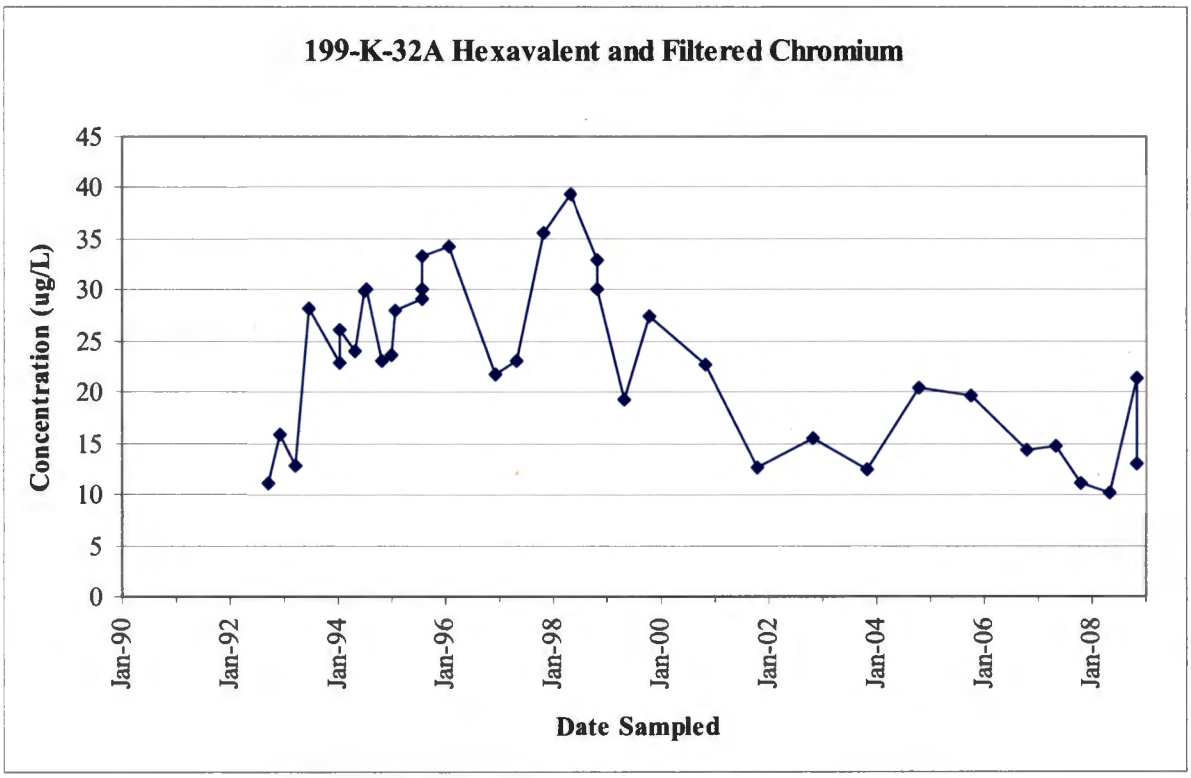

199-K-21 Hexavalent and Filtered Chromium
Concentration (ug/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

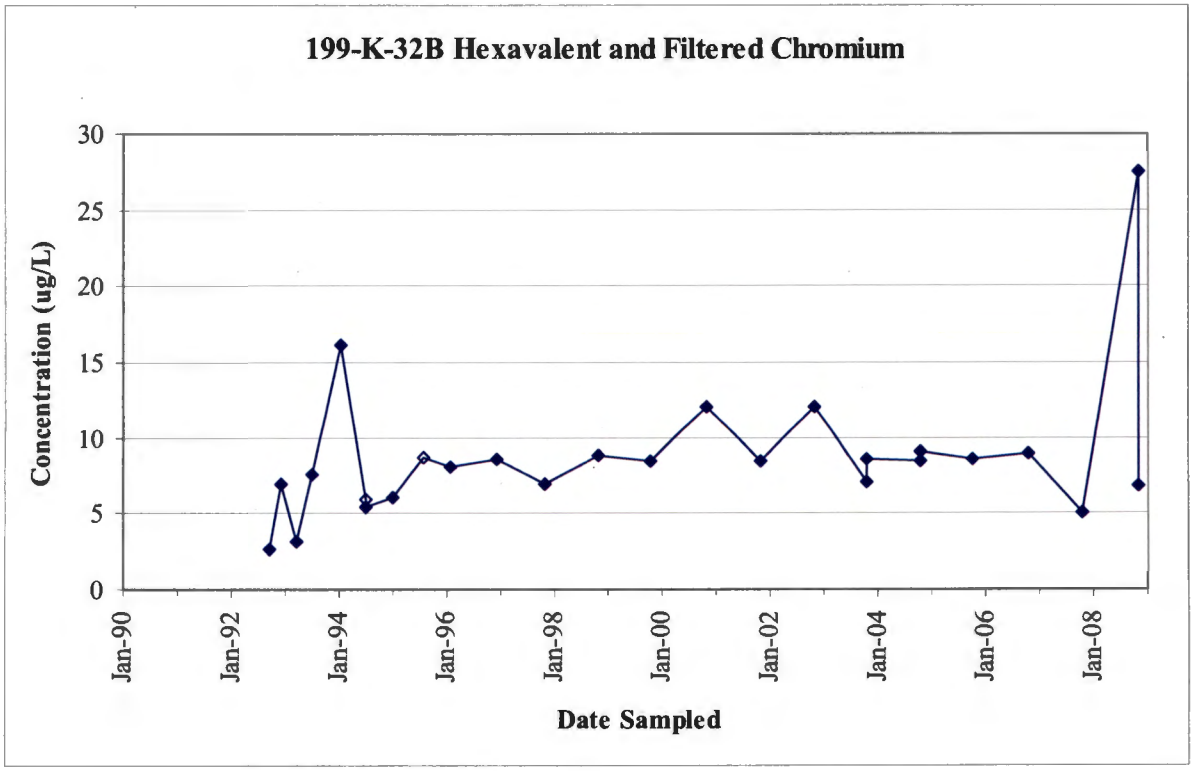

199-K-22 Hexavalent and Filtered Chromium
Concentration (ug/L)
200
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

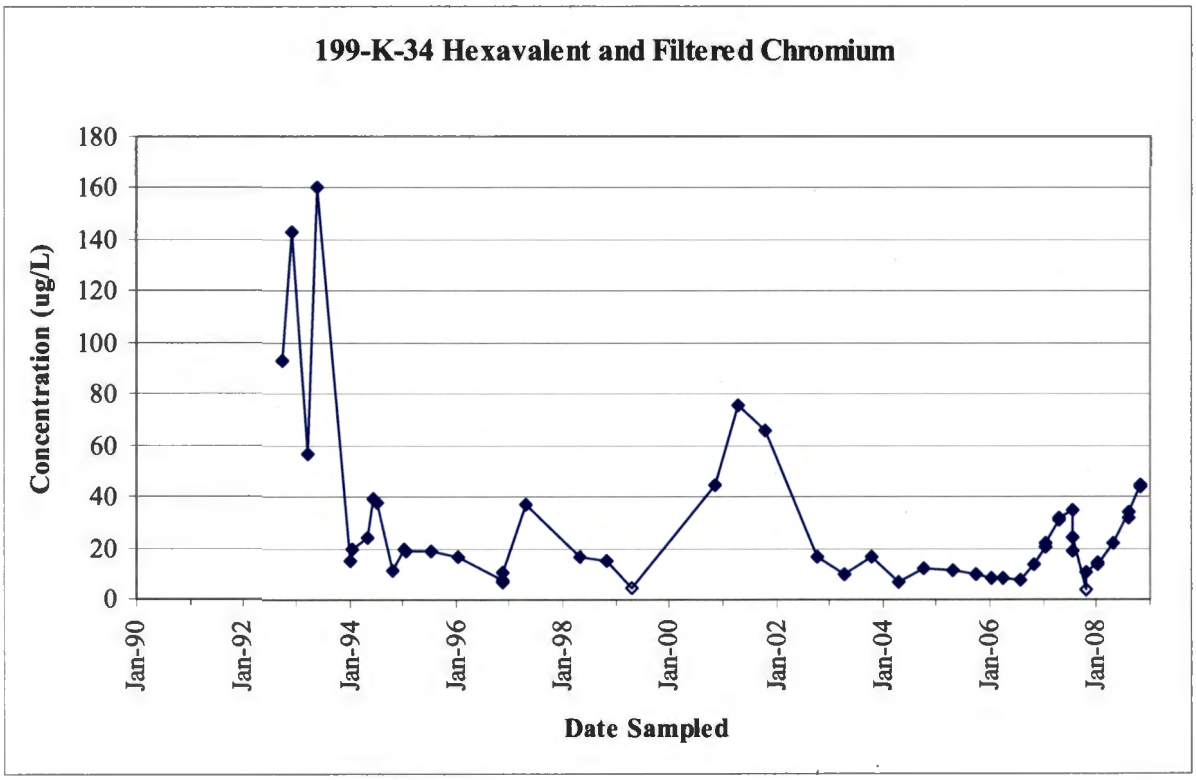

199-K-23 Hexavalent and Filtered Chromium
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

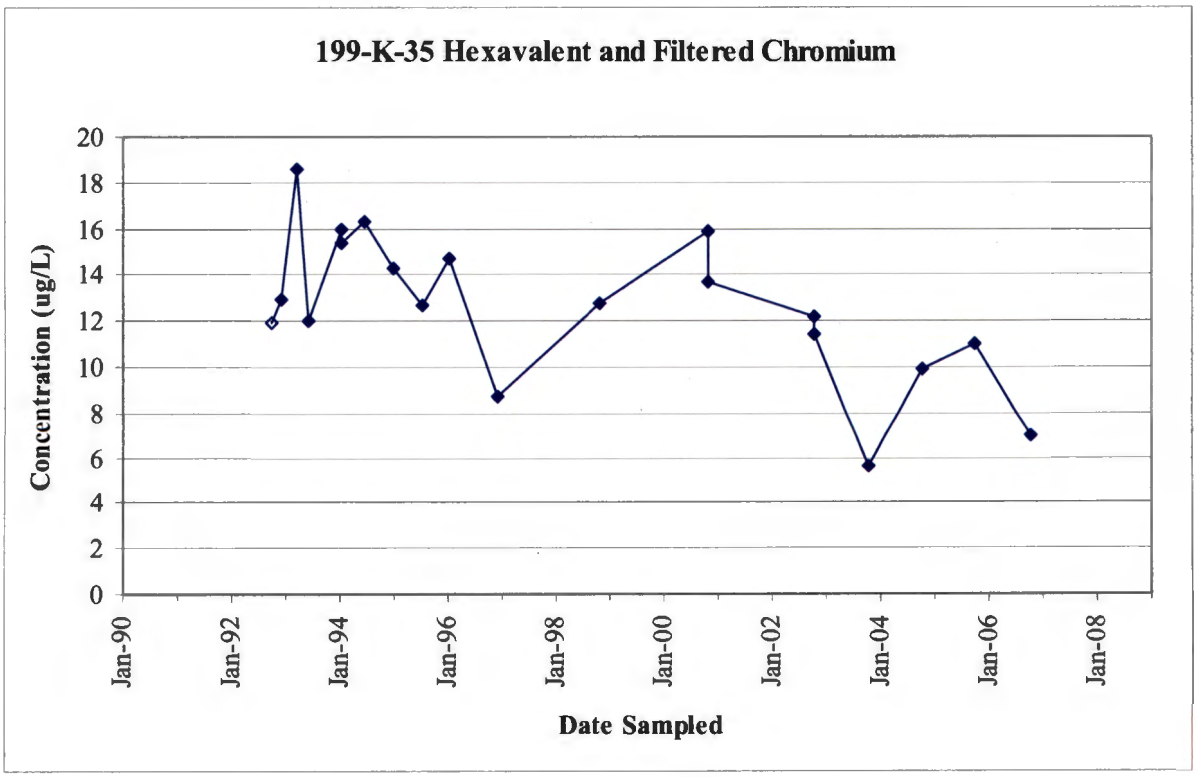

199-K-29 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

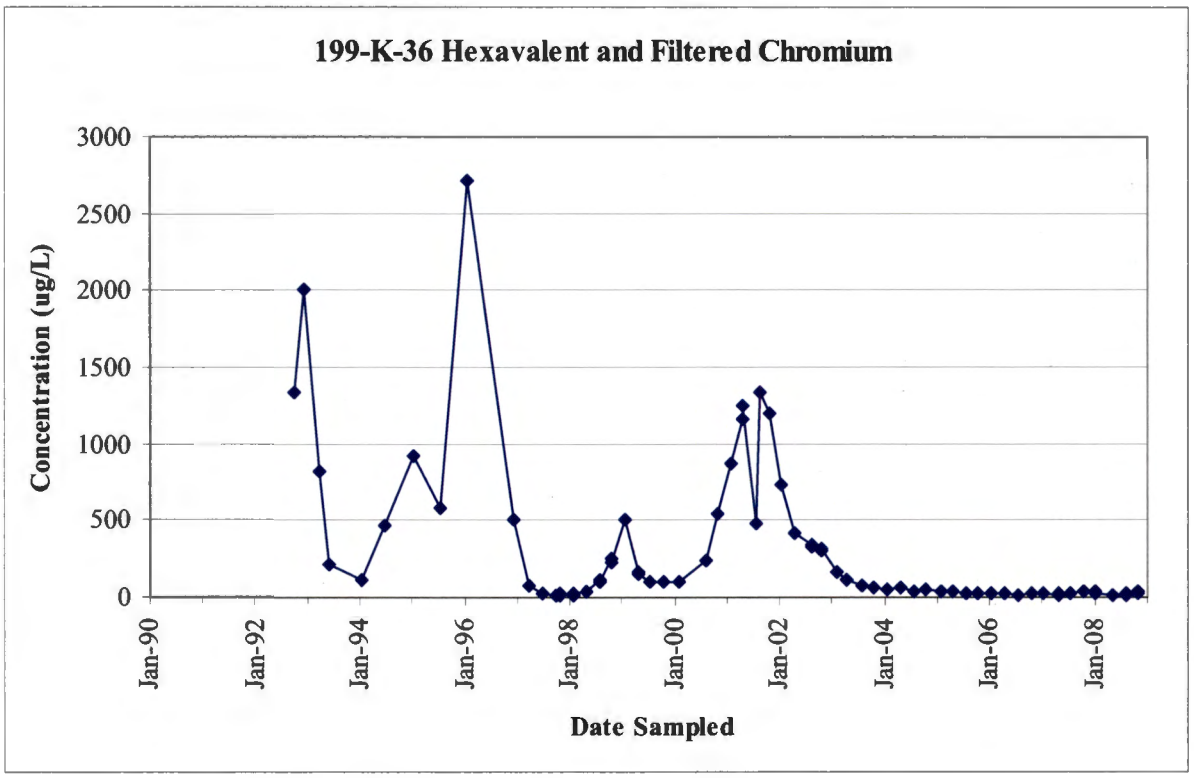

199-K-30 Hexavalent and Filtered Chromium
Concentration (ug/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

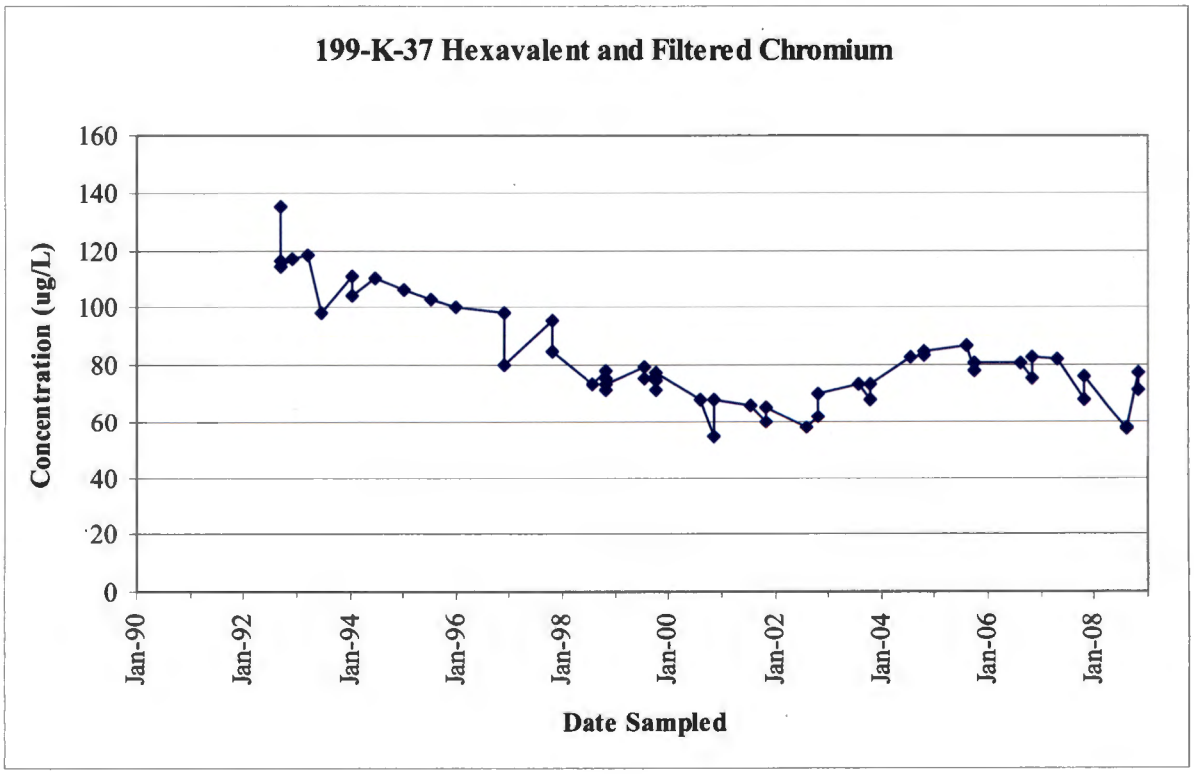

199-K-32A Hexavalent and Filtered Chromium
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

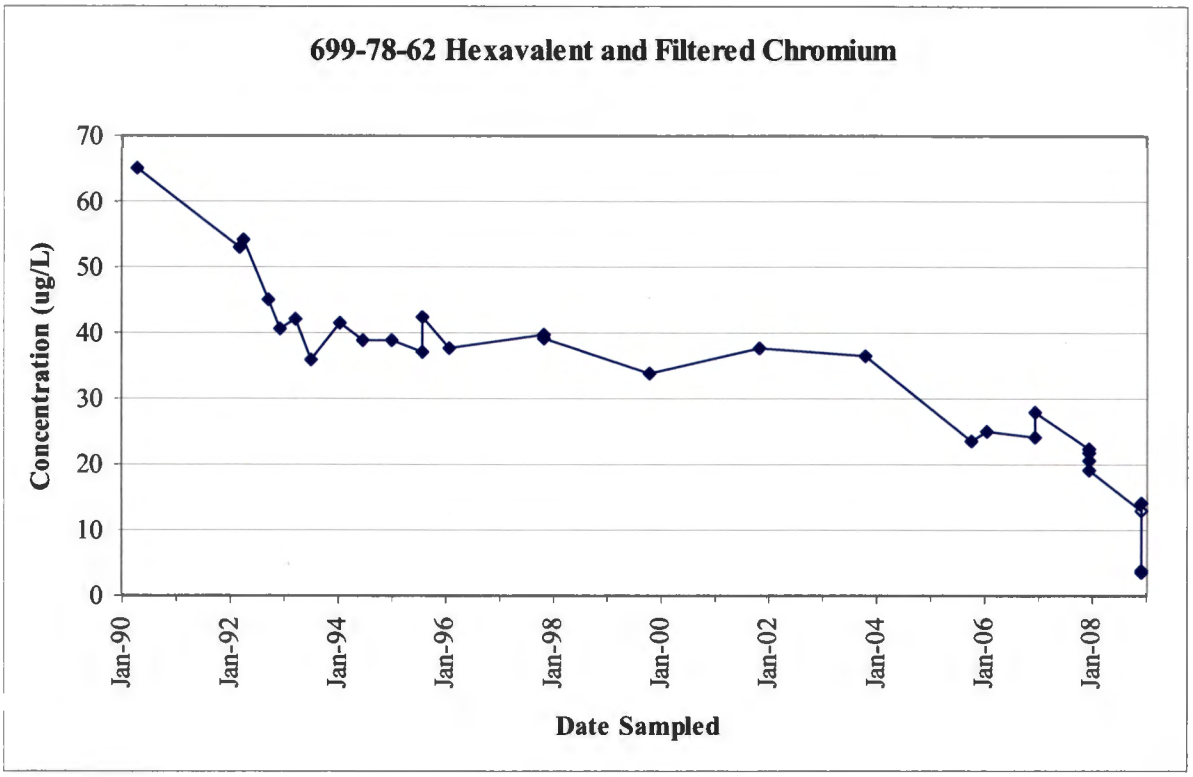

199-K-32B Hexavalent and Filtered Chromium
Concentration (ug/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

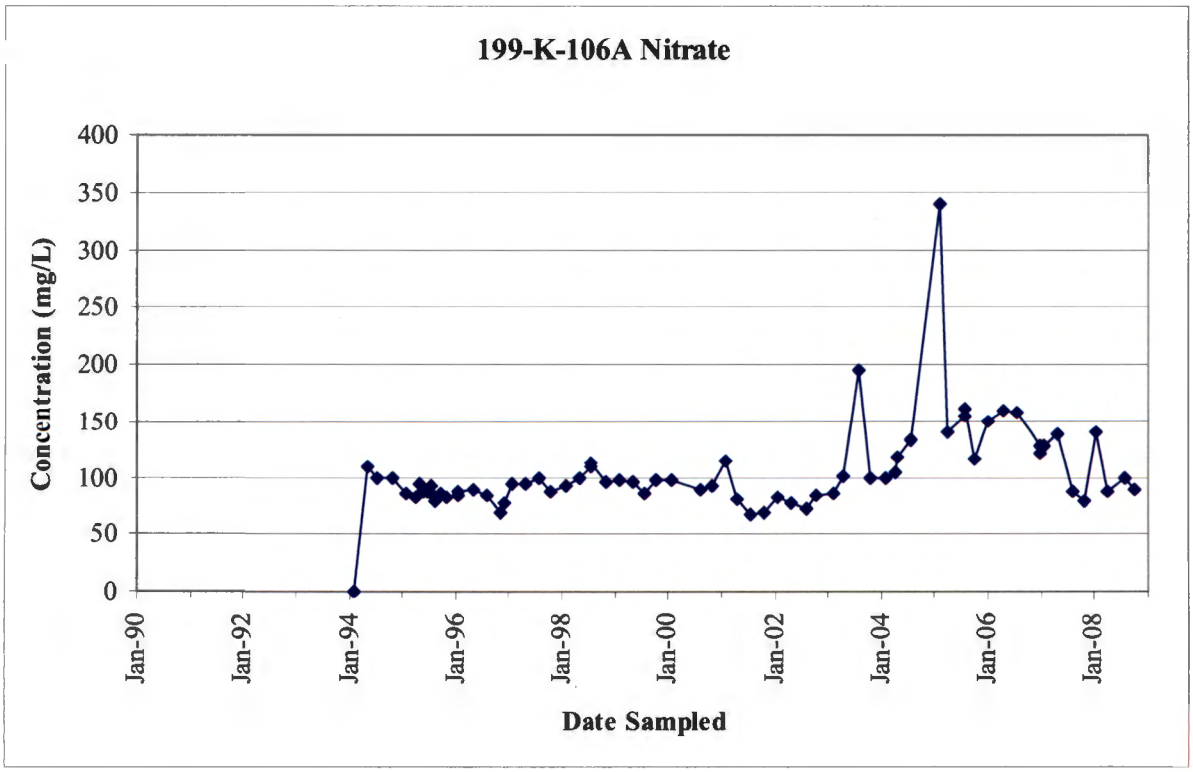

199-K-34 Hexavalent and Filtered Chromium
Concentration (ug/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

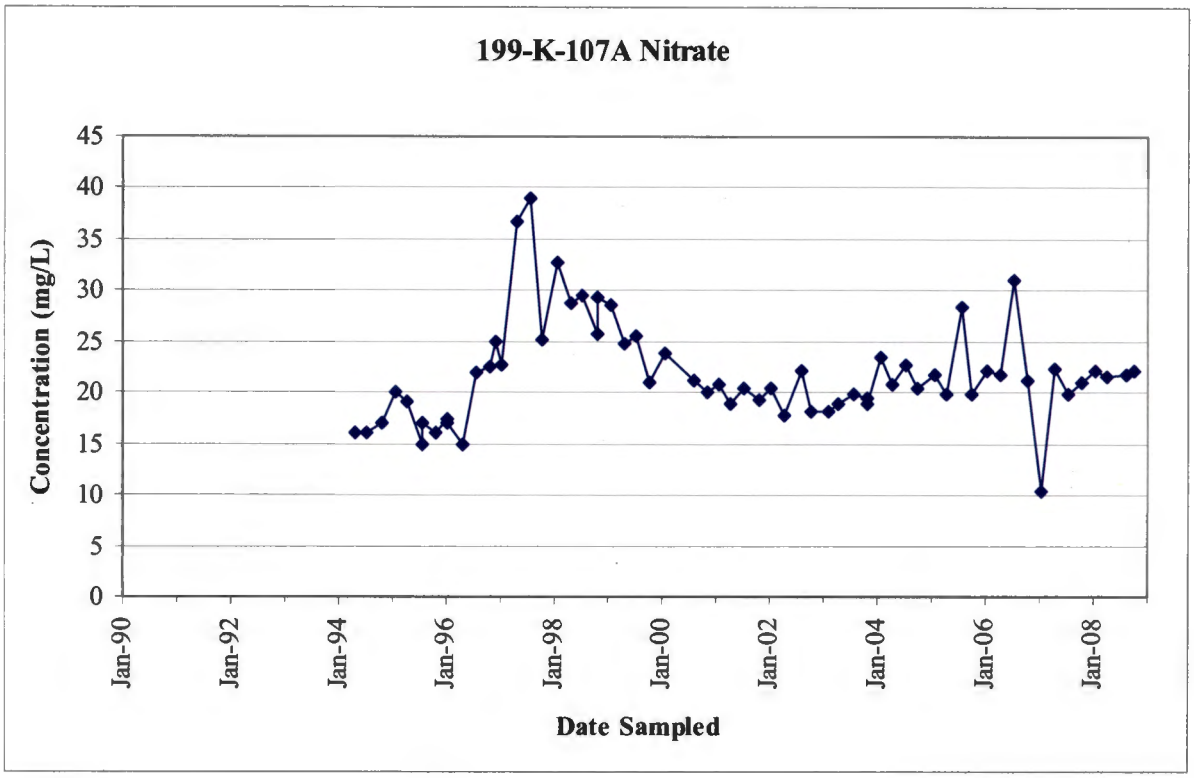

199-K-35 Hexavalent and Filtered Chromium
Concentration (ug/L)
20
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

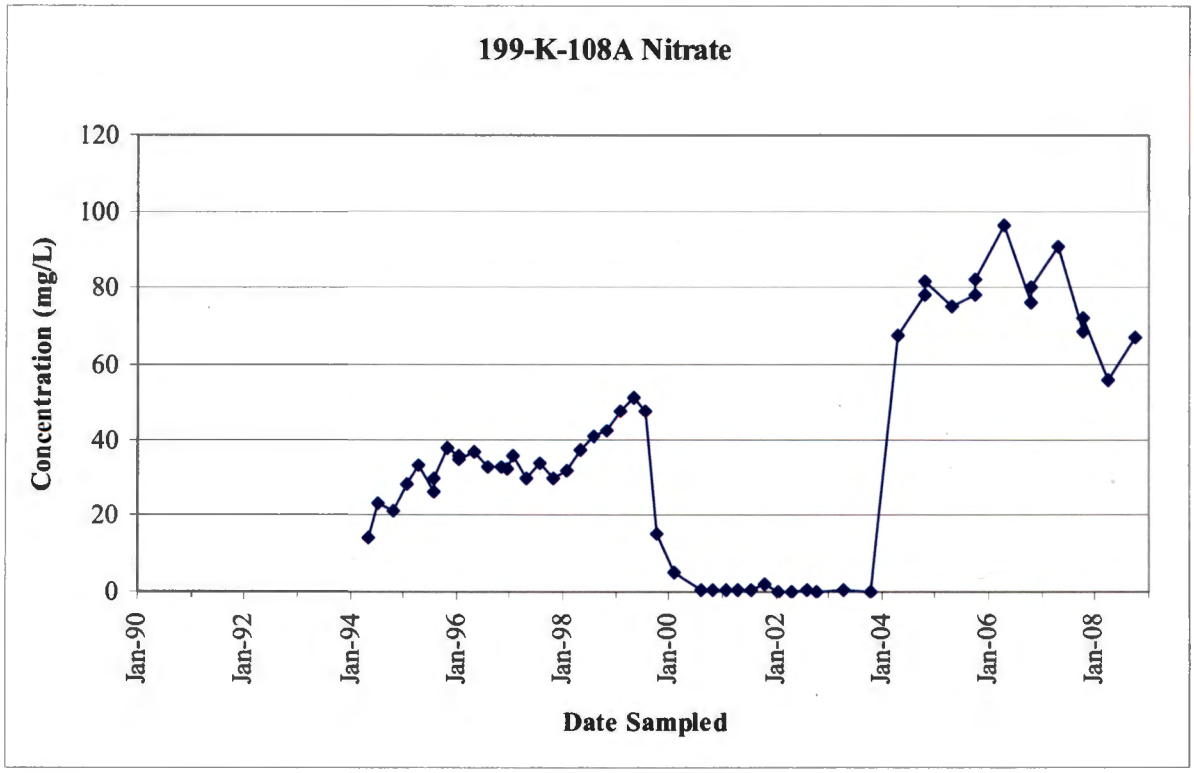

199-K-36 Hexavalent and Filtered Chromium
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

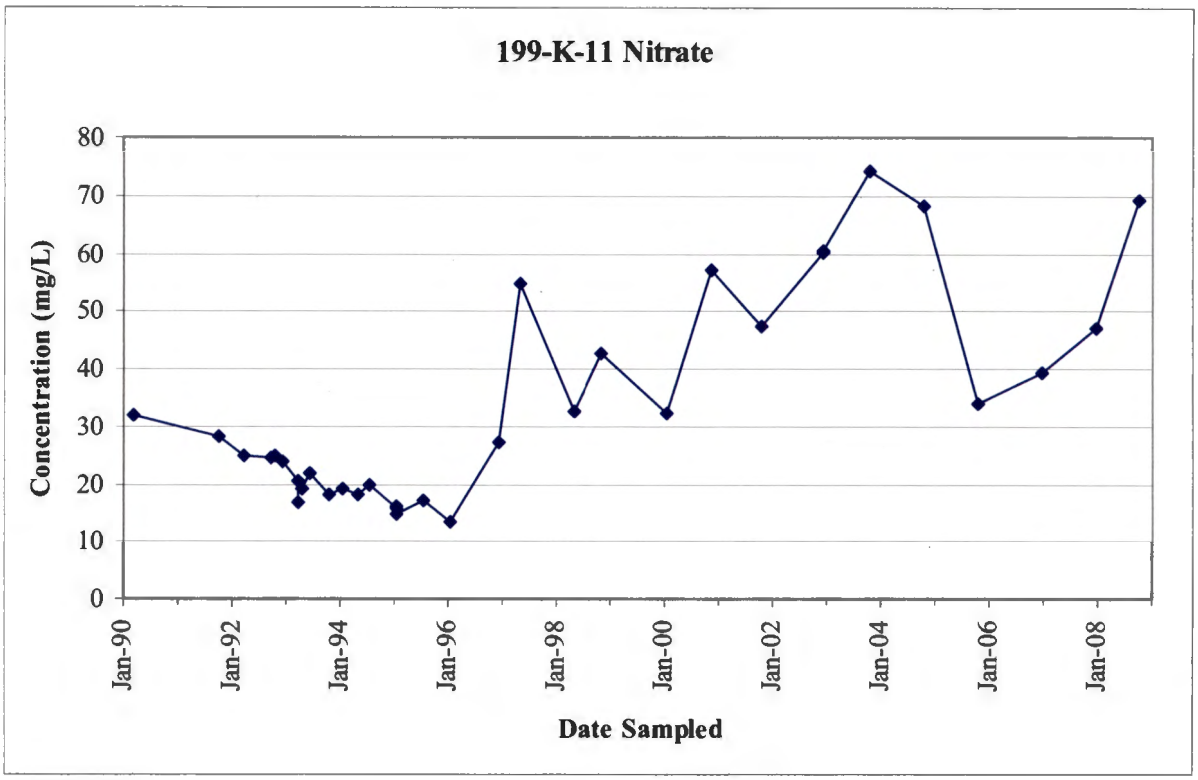

199-K-37 Hexavalent and Filtered Chromium
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

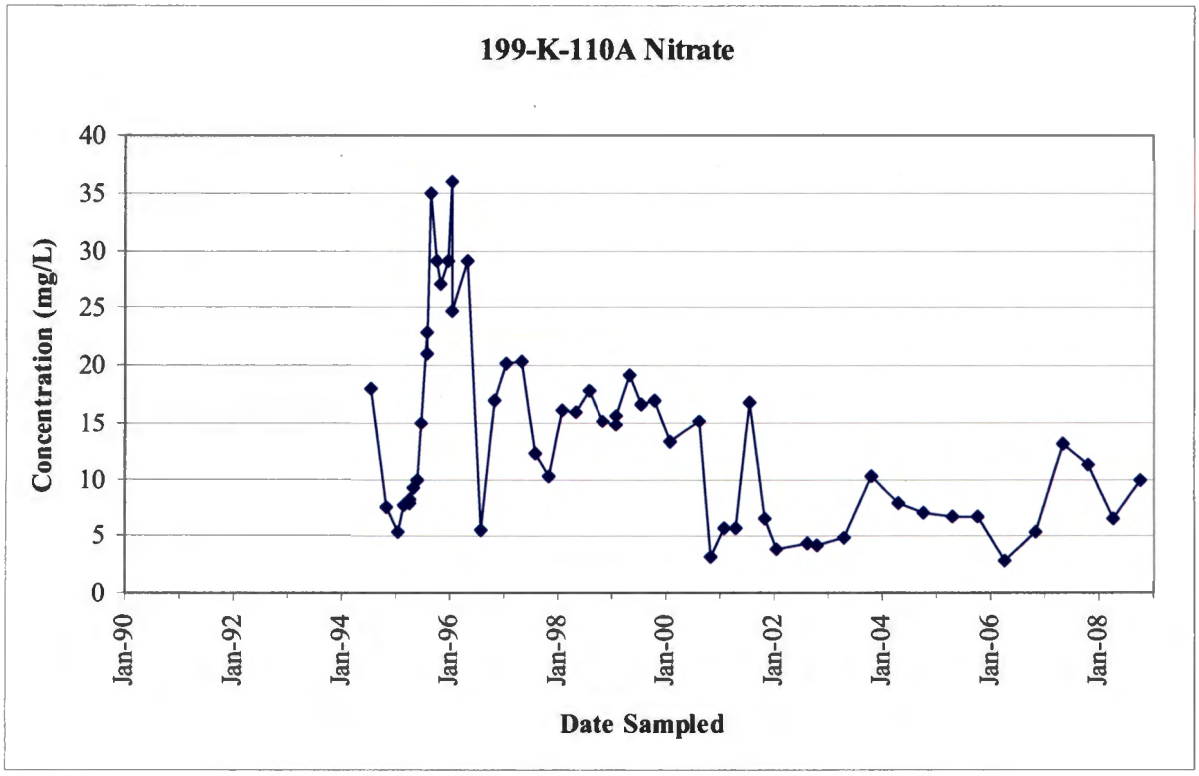

699-78-62 Hexavalent and Filtered Chromium
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

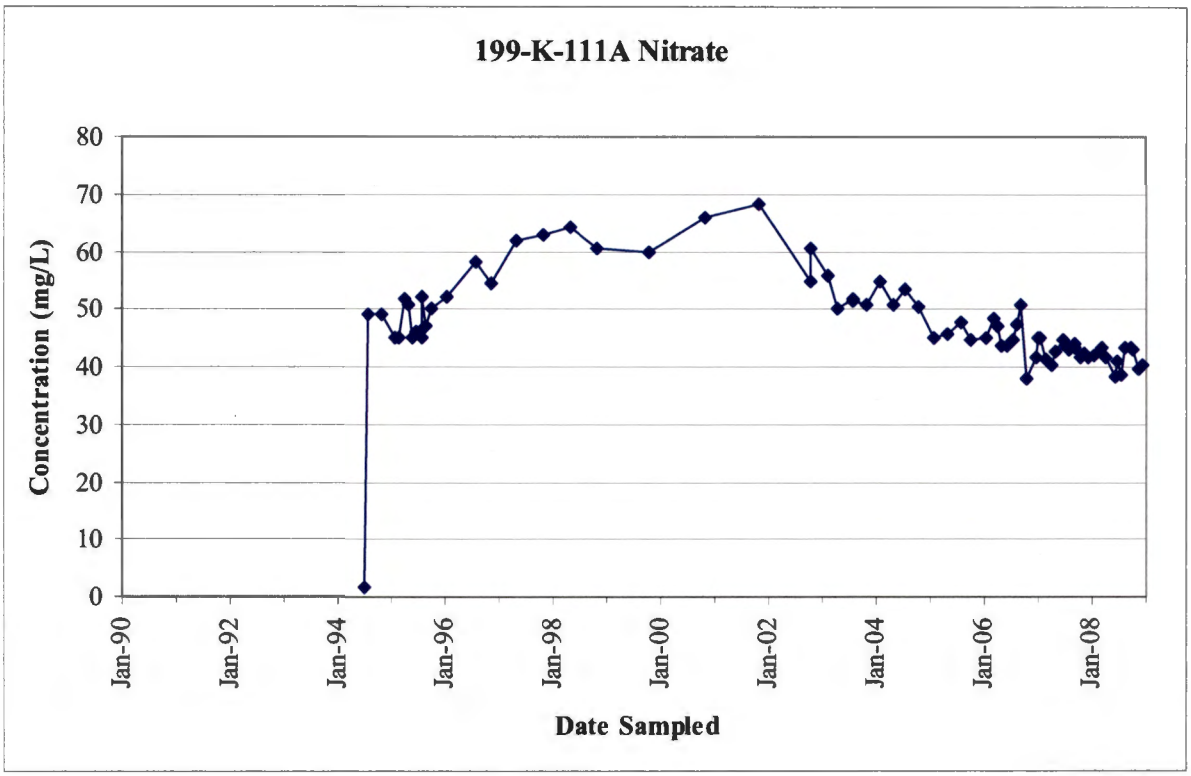

199-K-106A Nitrate
Concentration (mg/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

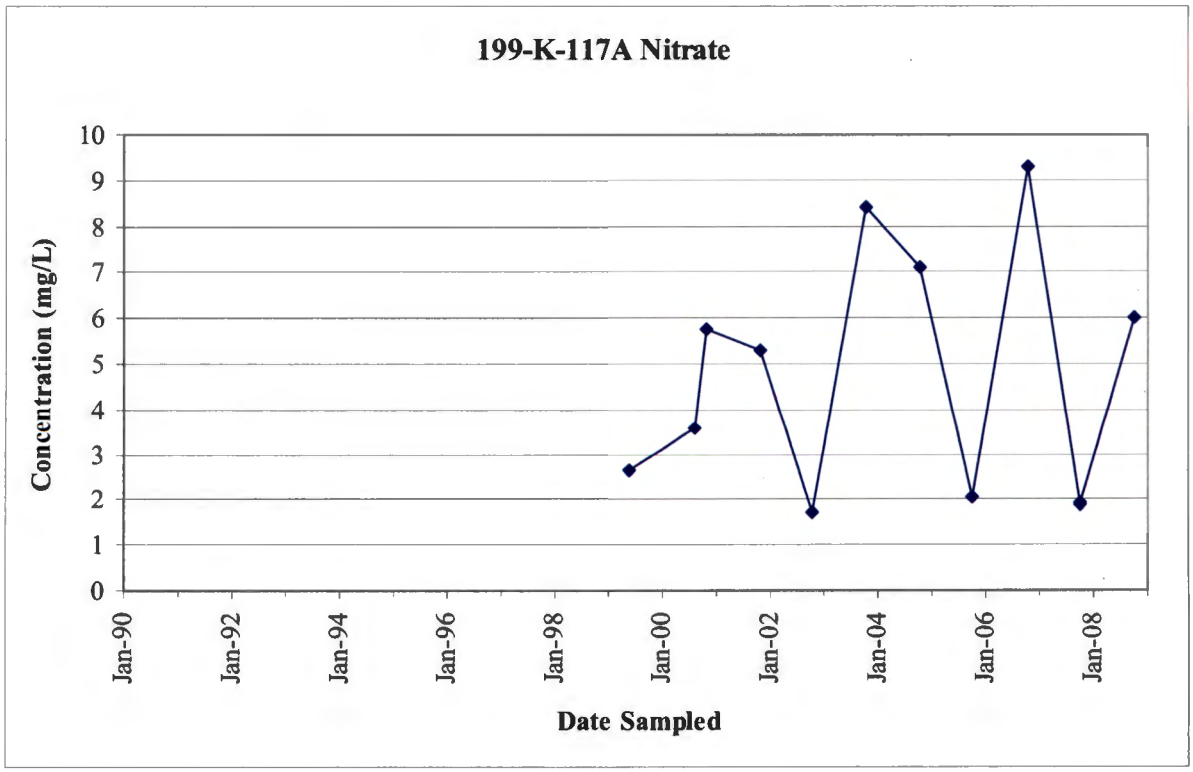

199-K-107A Nitrate
Concentration (mg/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

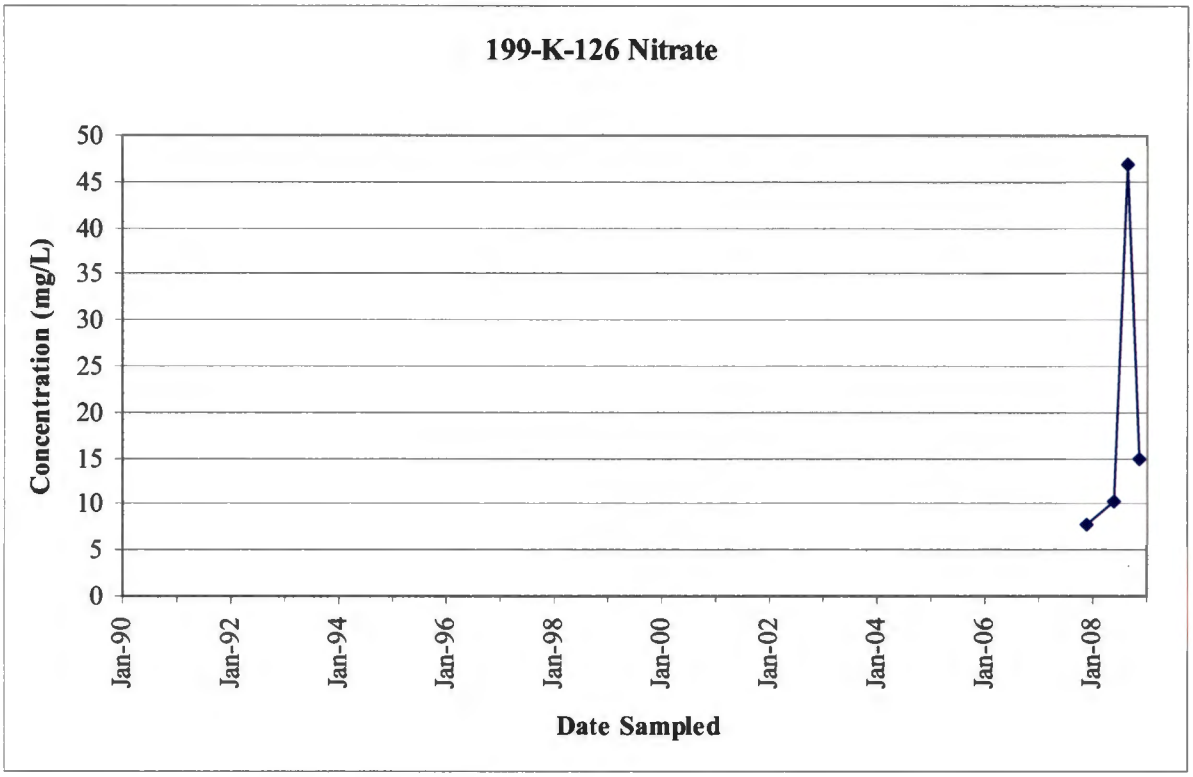

199-K-108A Nitrate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

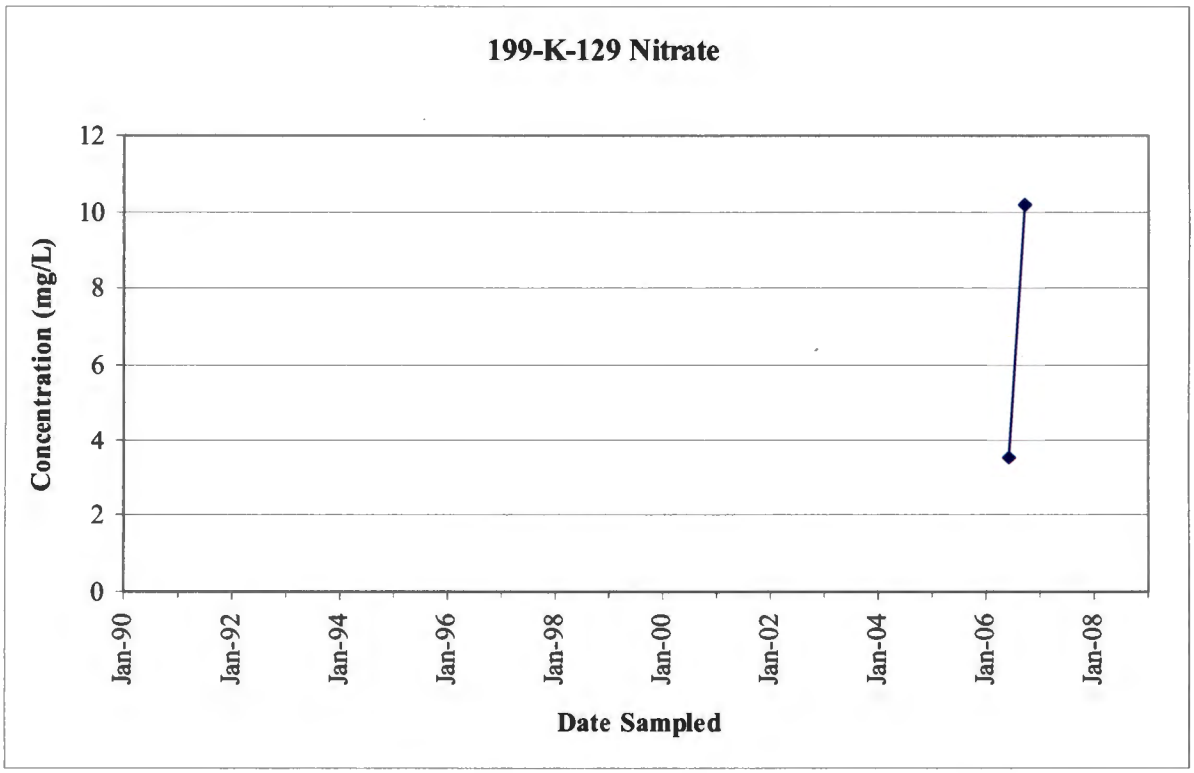

199-K-11 Nitrate
Concentration (mg/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

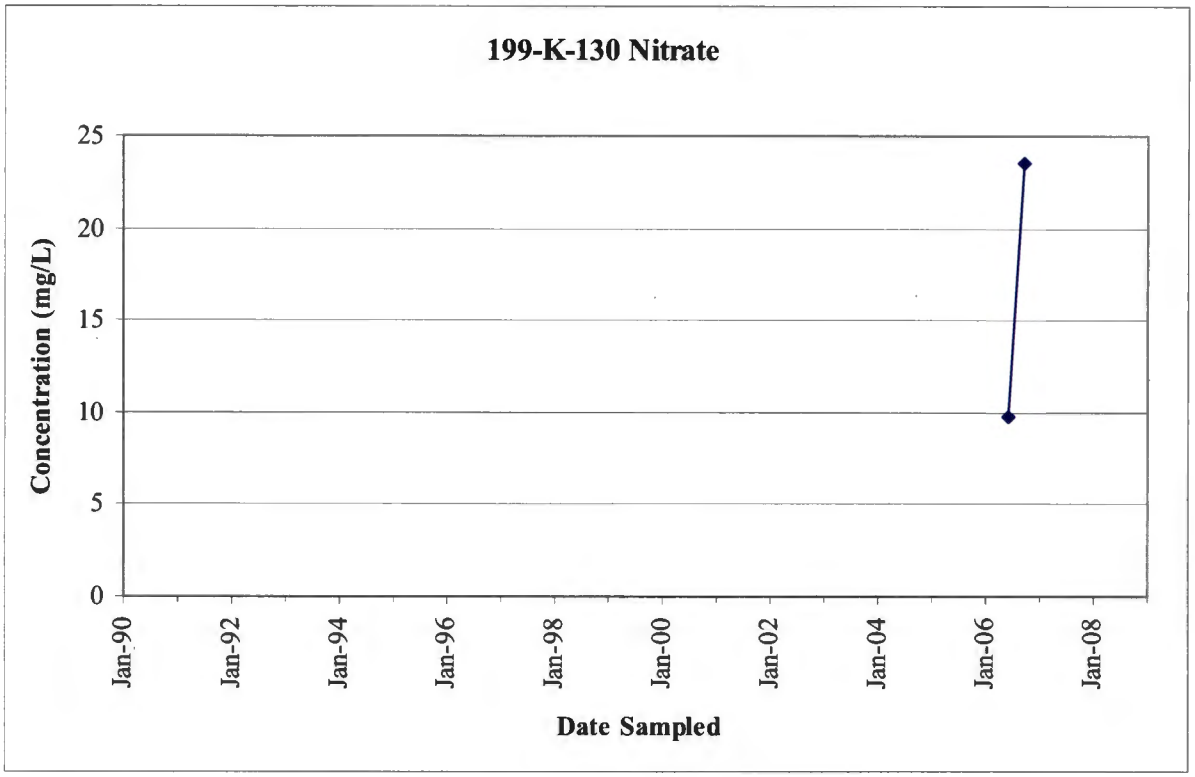

199-K-110A Nitrate
Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

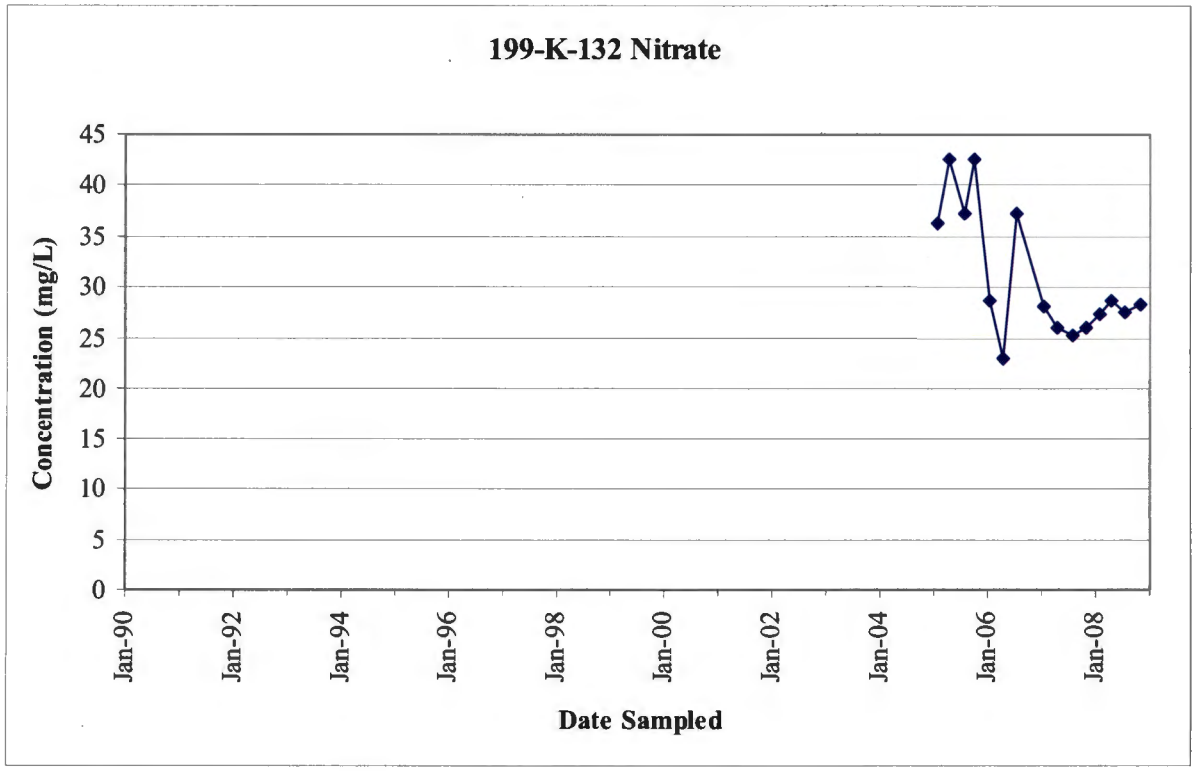

199-K-111A Nitrate
Concentration (mg/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

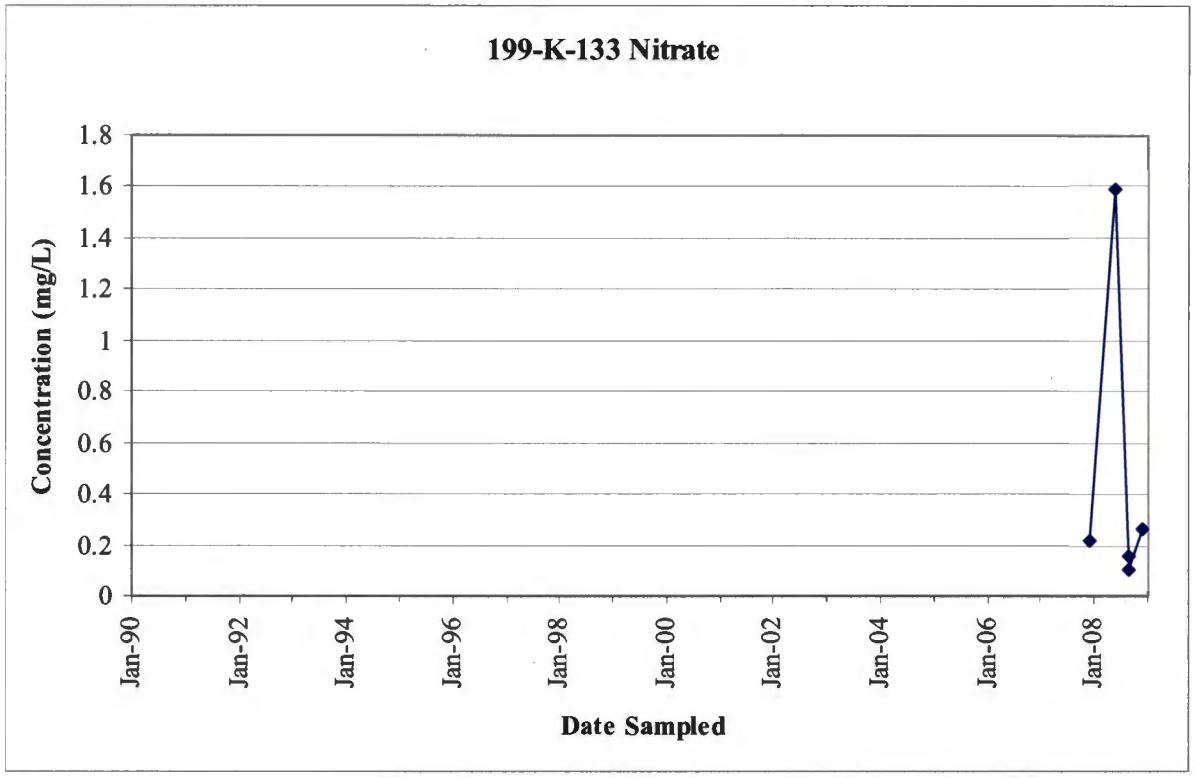

199-K-117A Nitrate
Concentration (mg/L)
10
9
8
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

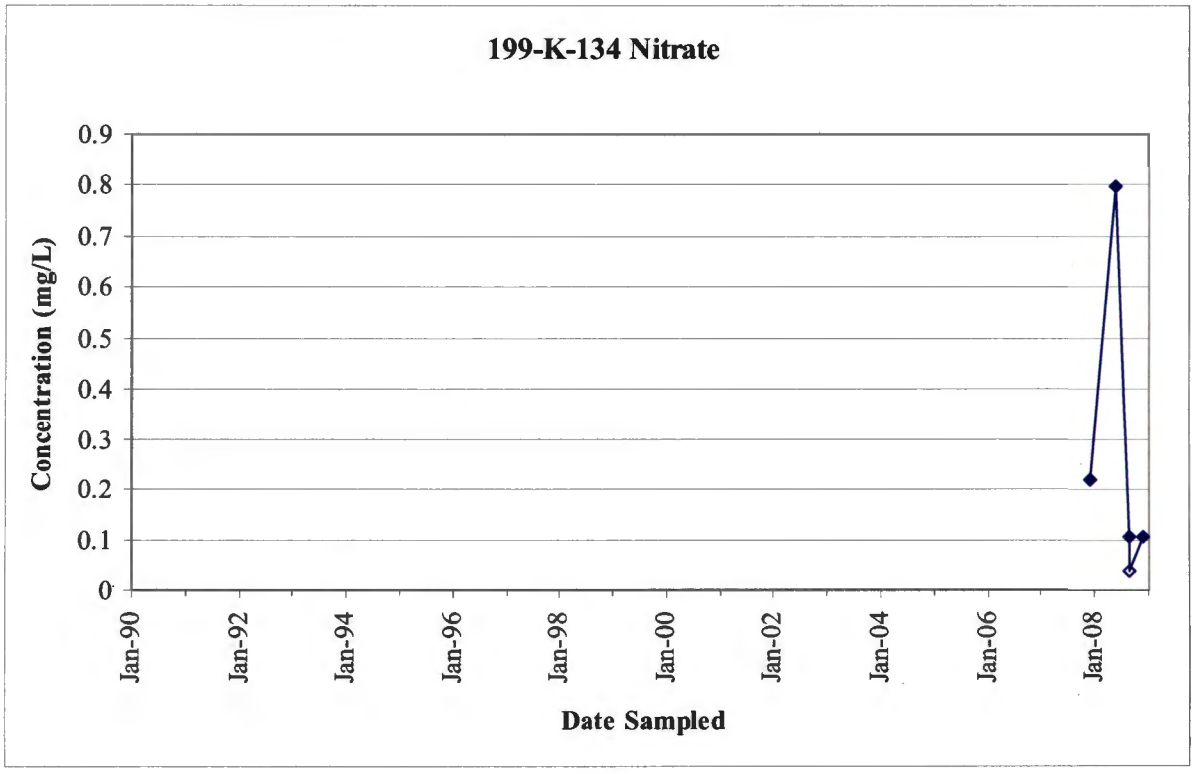

199-K-126 Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

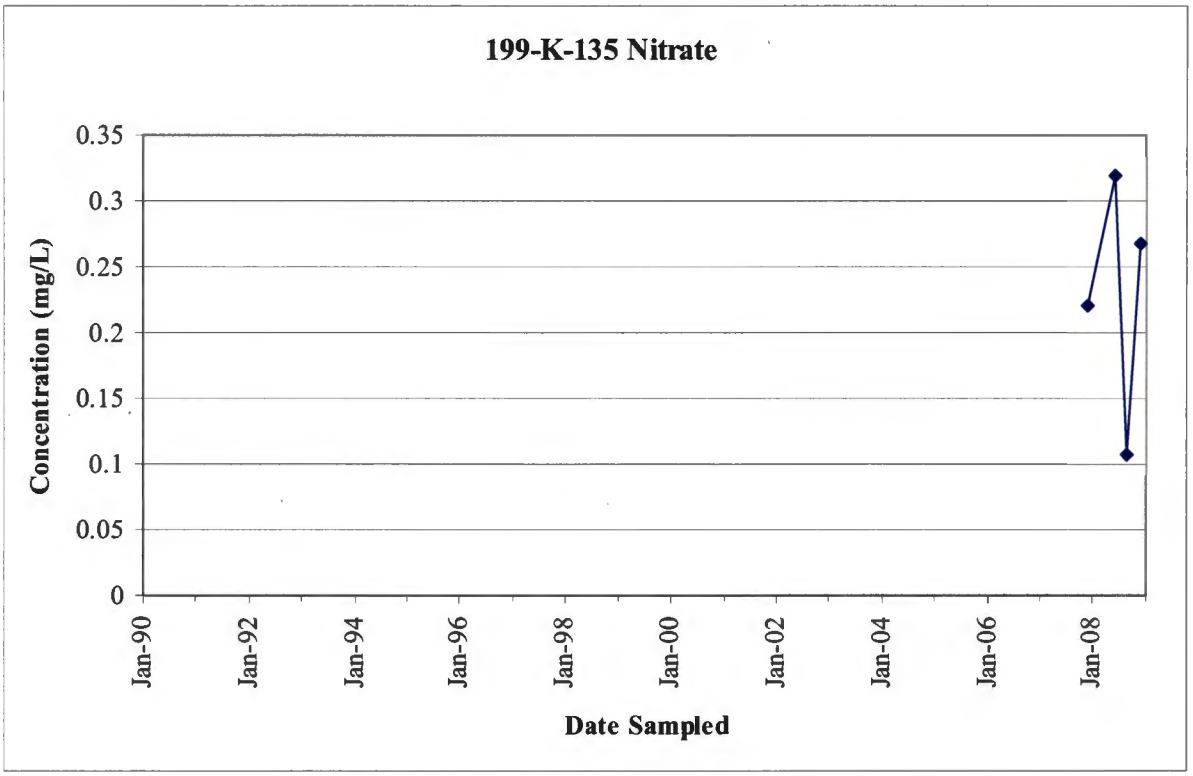

199-K-129 Nitrate
Concentration (mg/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

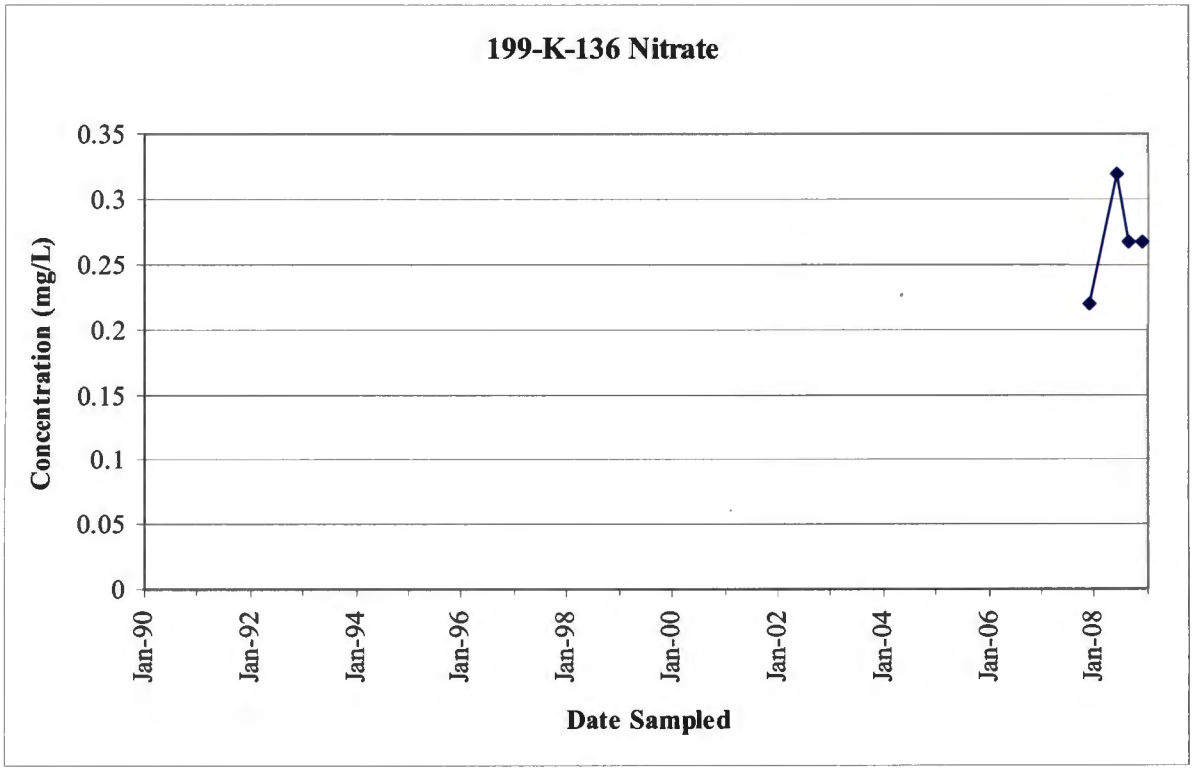

199-K-130 Nitrate
Concentration (mg/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

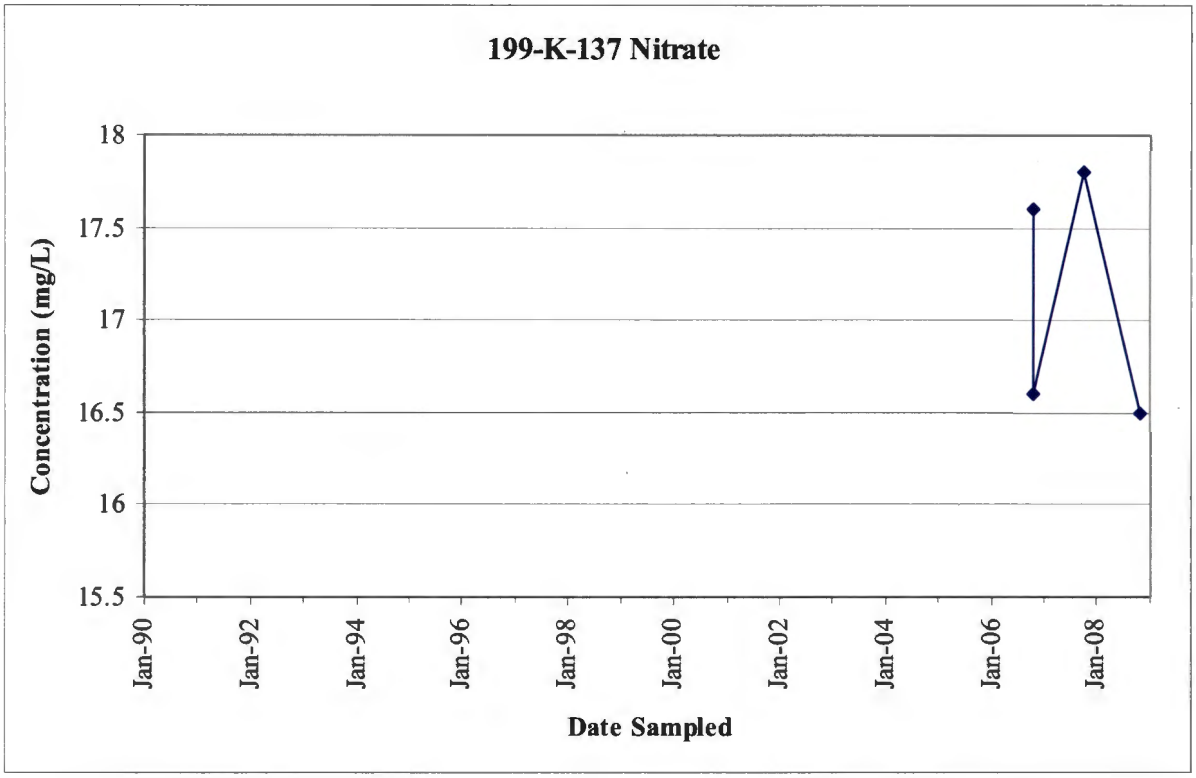

199-K-132 Nitrate
Concentration (mg/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

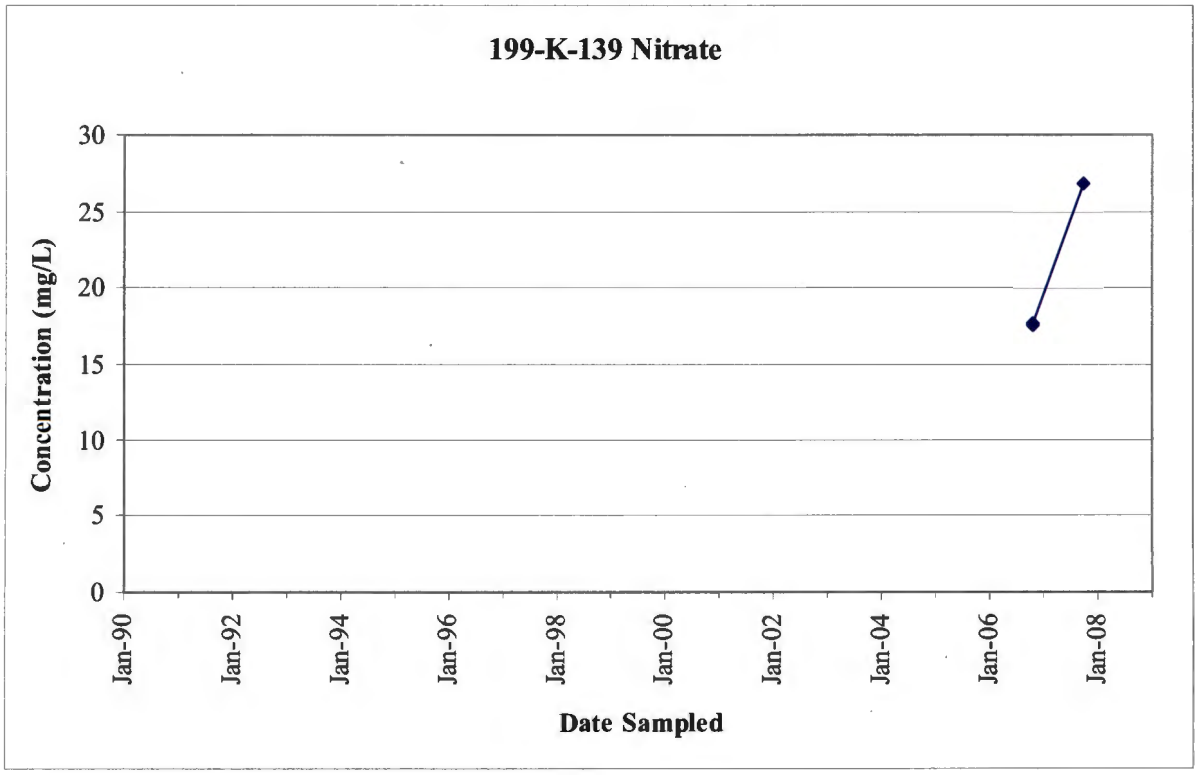

199-K-133 Nitrate
Concentration (mg/L)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

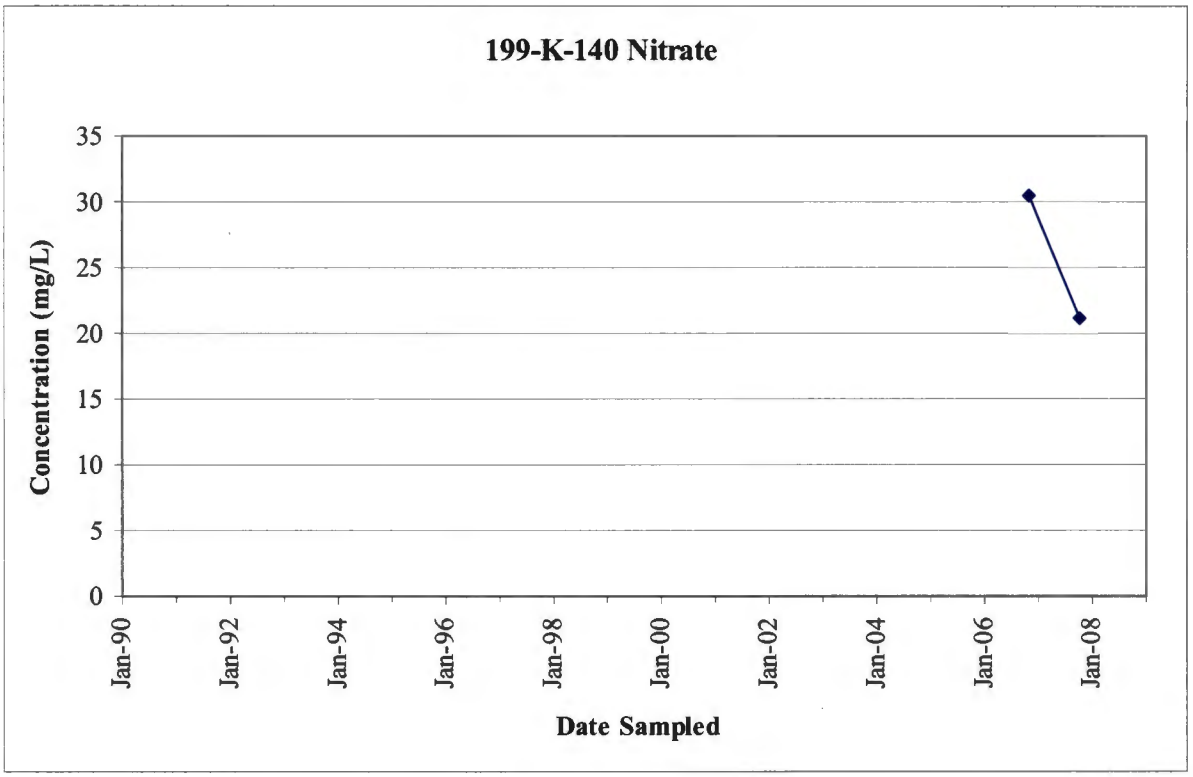

199-K-134 Nitrate
Concentration (mg/L)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

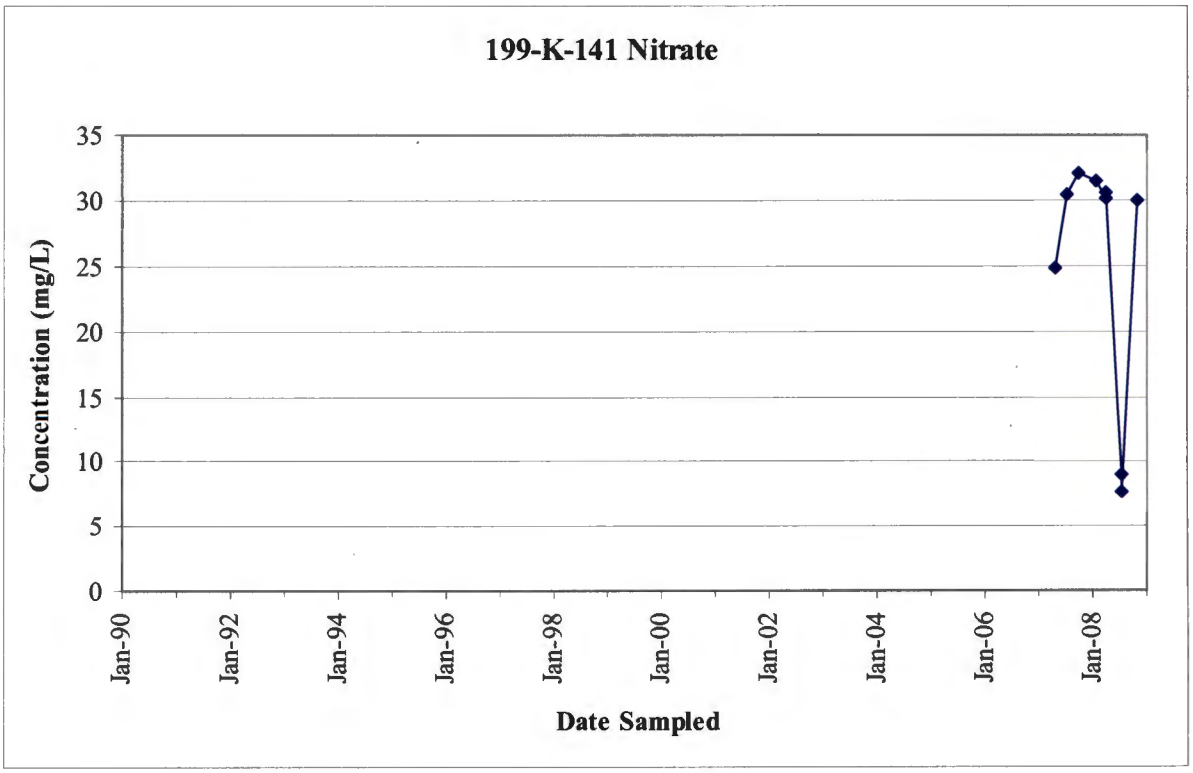

199-K-135 Nitrate
Concentration (mg/L)
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

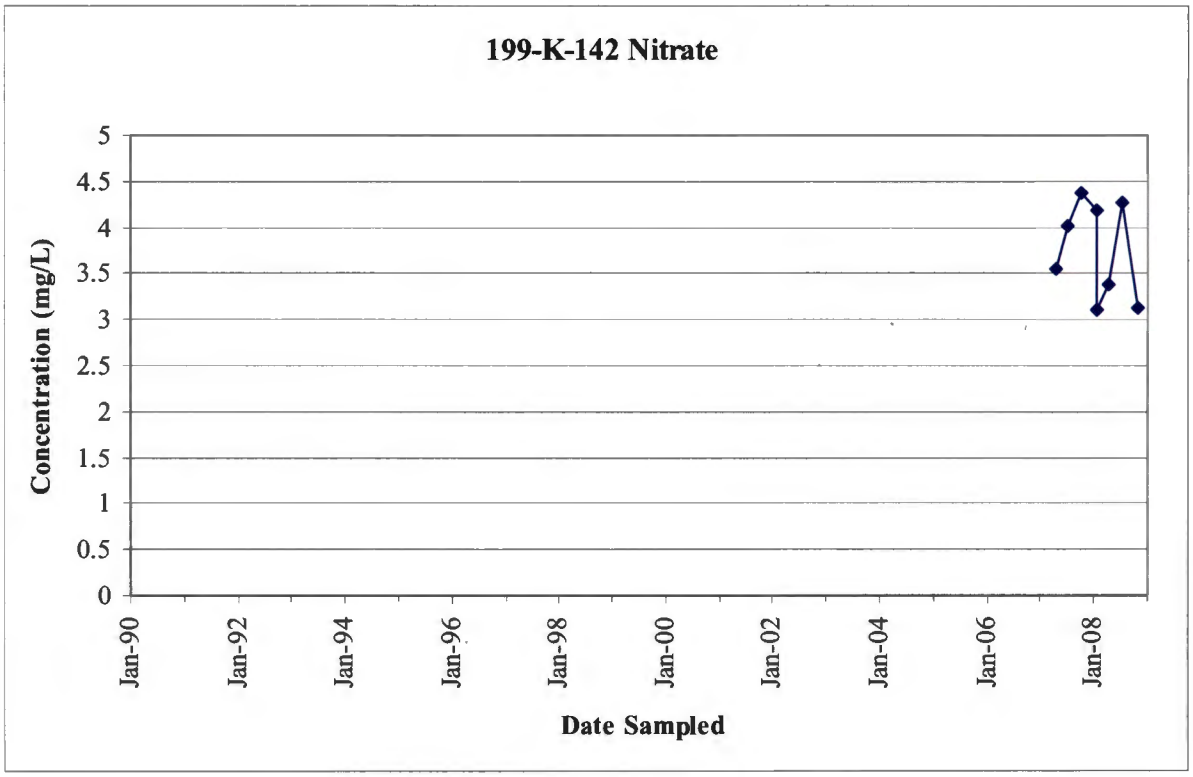

199-K-136 Nitrate
Concentration (mg/L)
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-K-137 Nitrate
Concentration (mg/L)
18
17.5
17
16.5
16
15.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-K-139 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-K-140 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-K-141 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-K-142 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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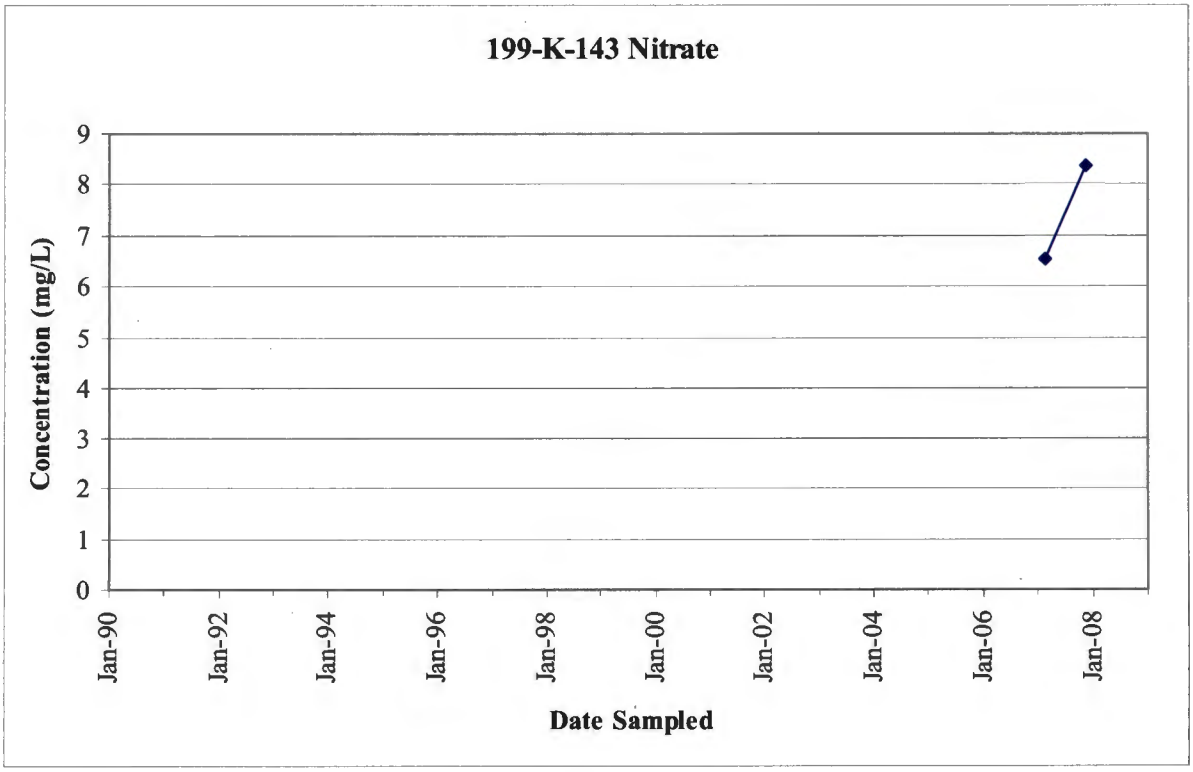
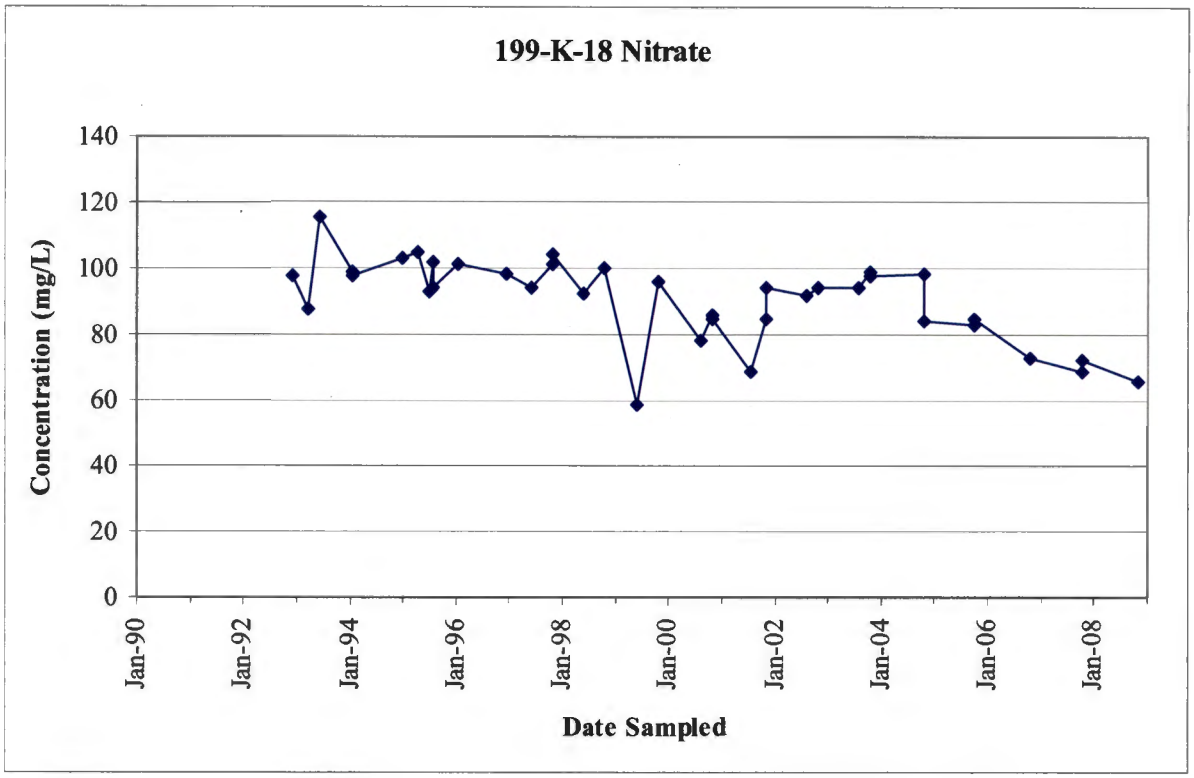
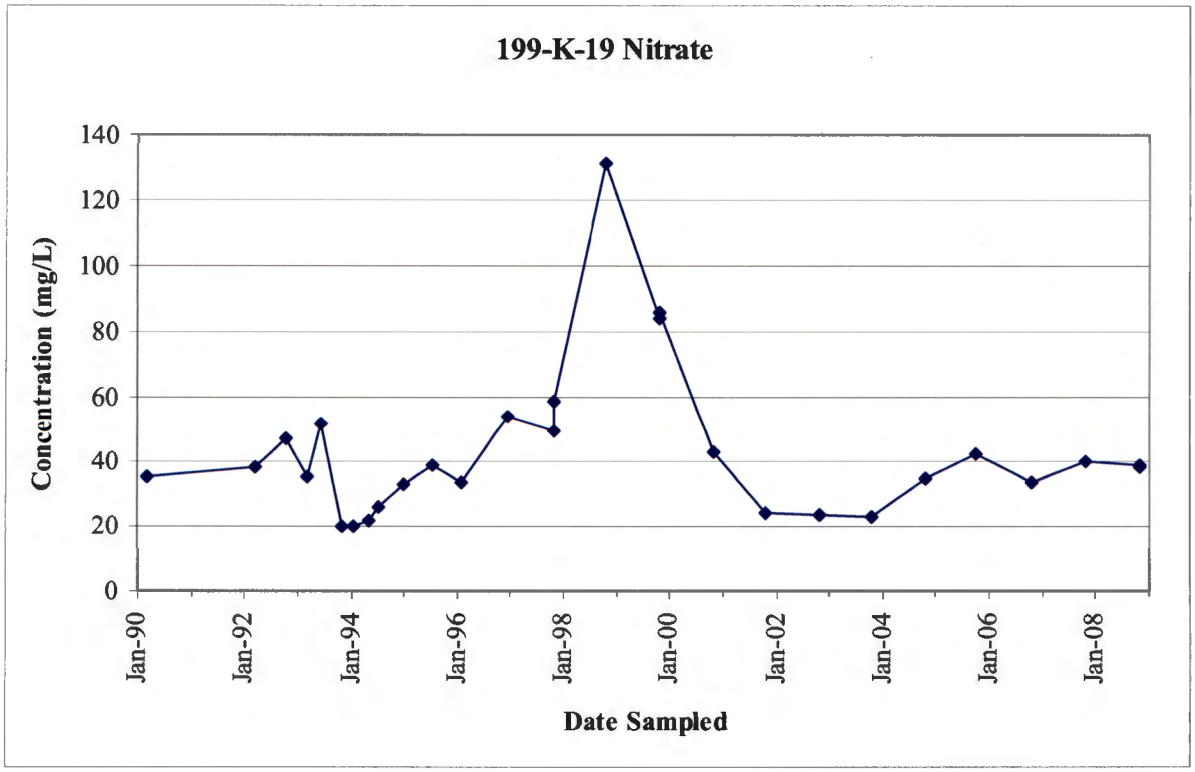
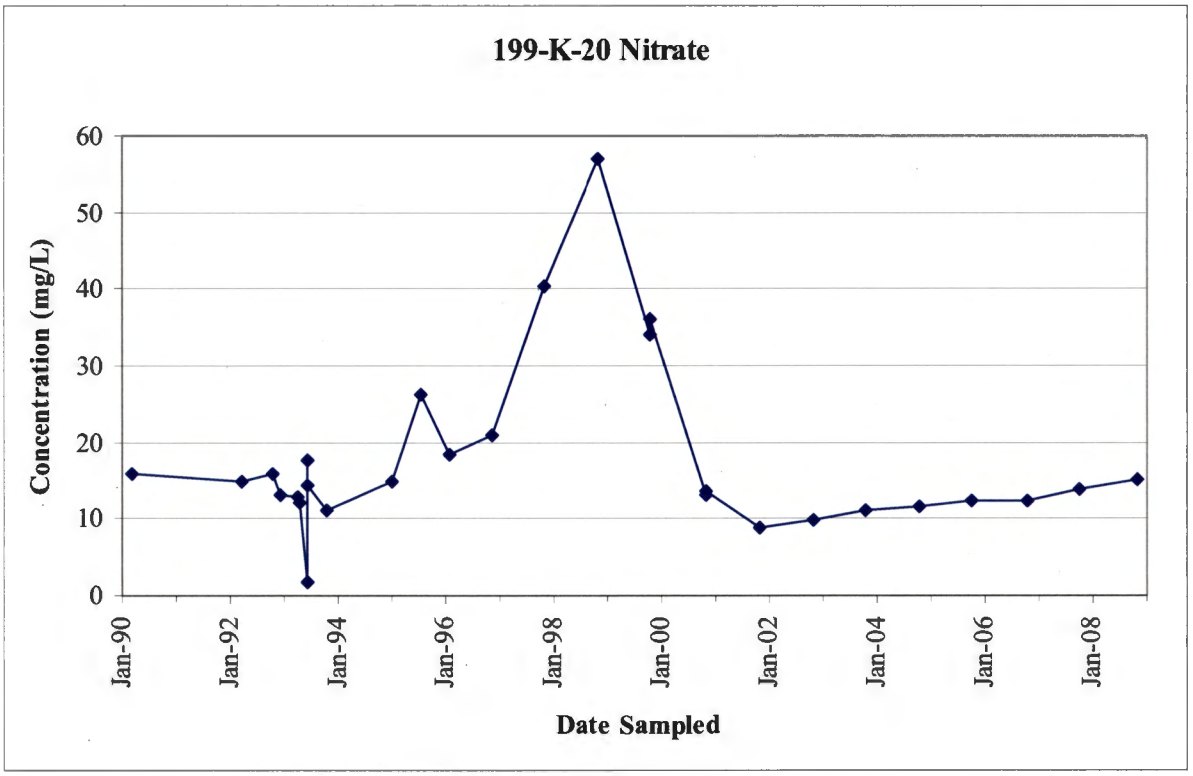
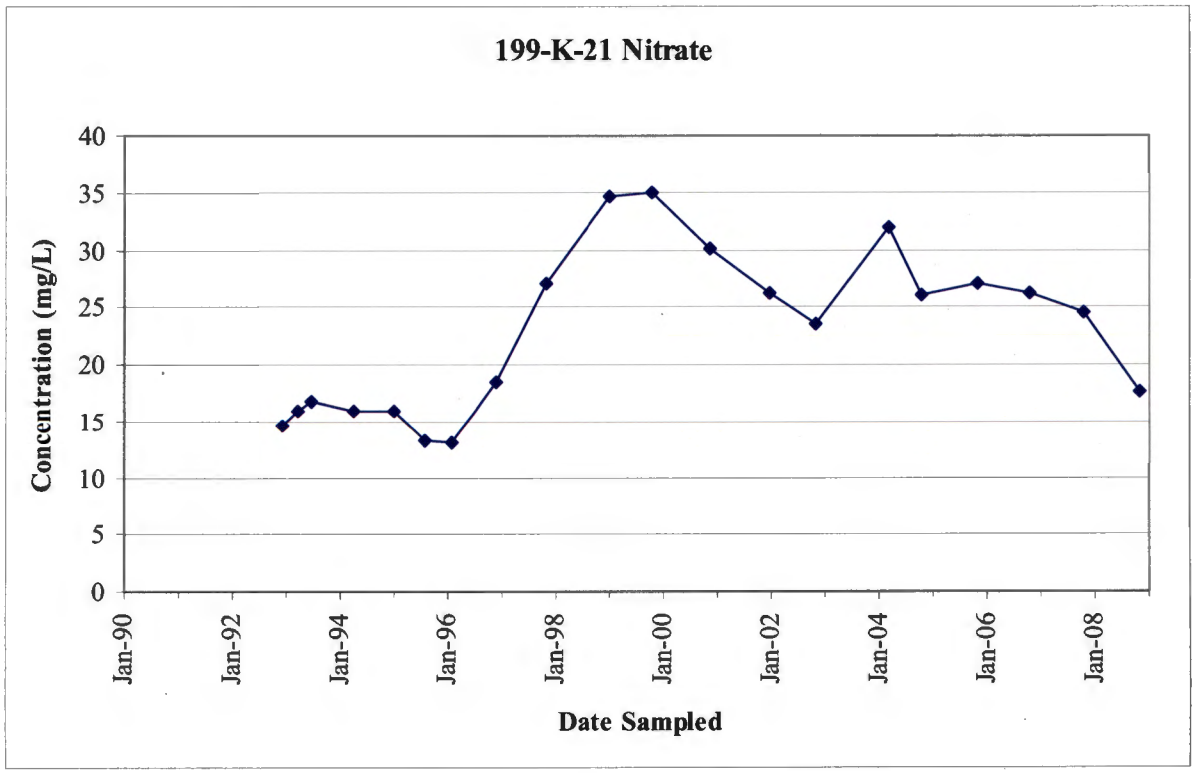
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

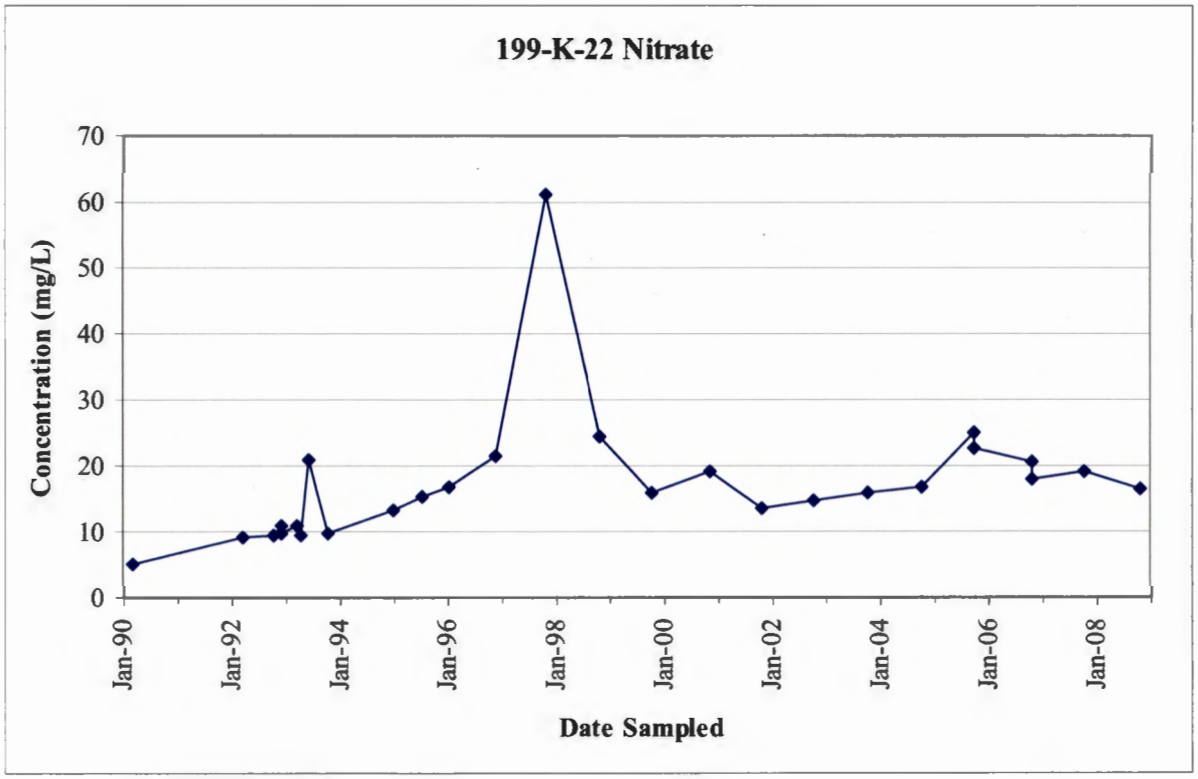

199-K-143 Nitrate
Concentration (mg/L)
9
8
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

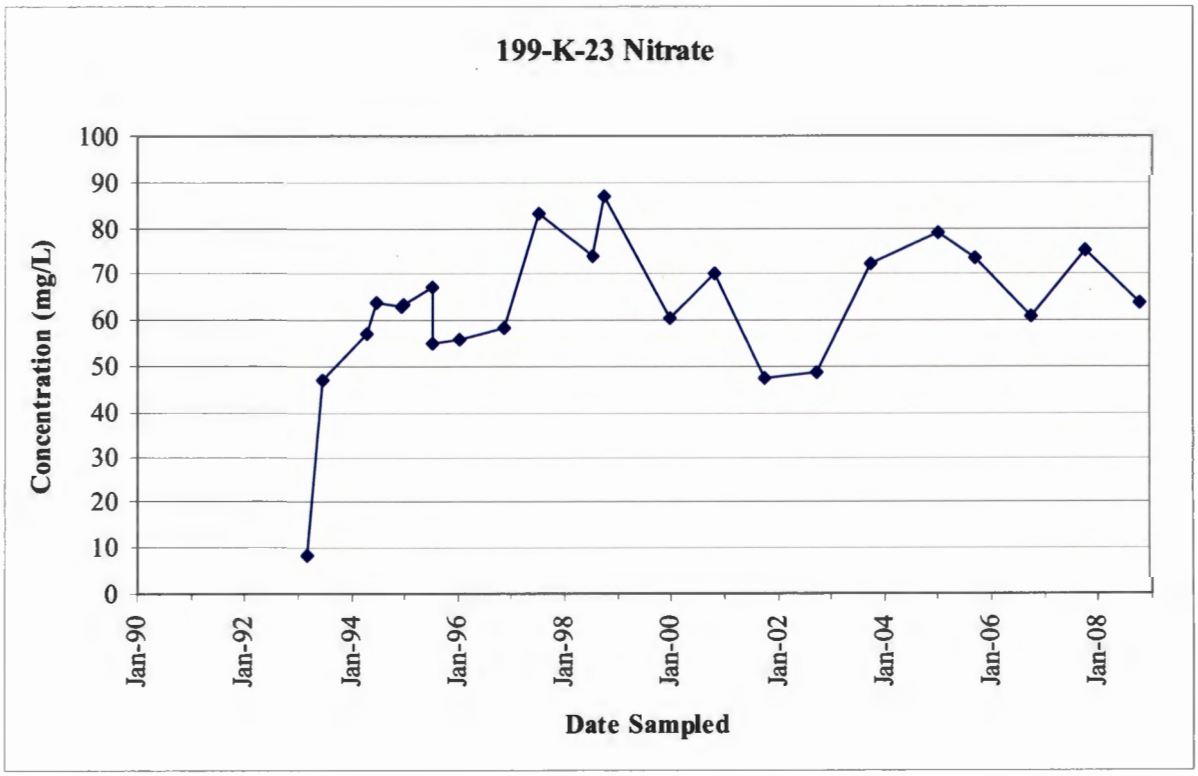

199-K-18 Nitrate
Concentration (mg/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

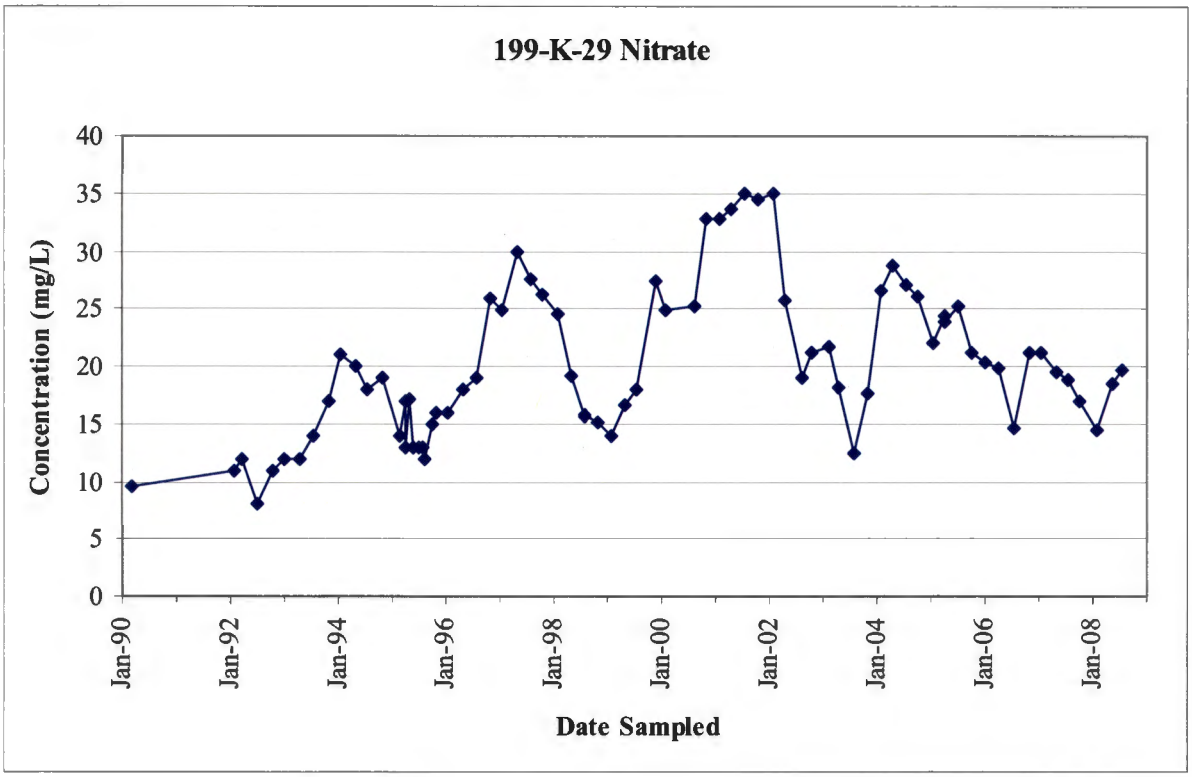

199-K-19 Nitrate
Concentration (mg/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

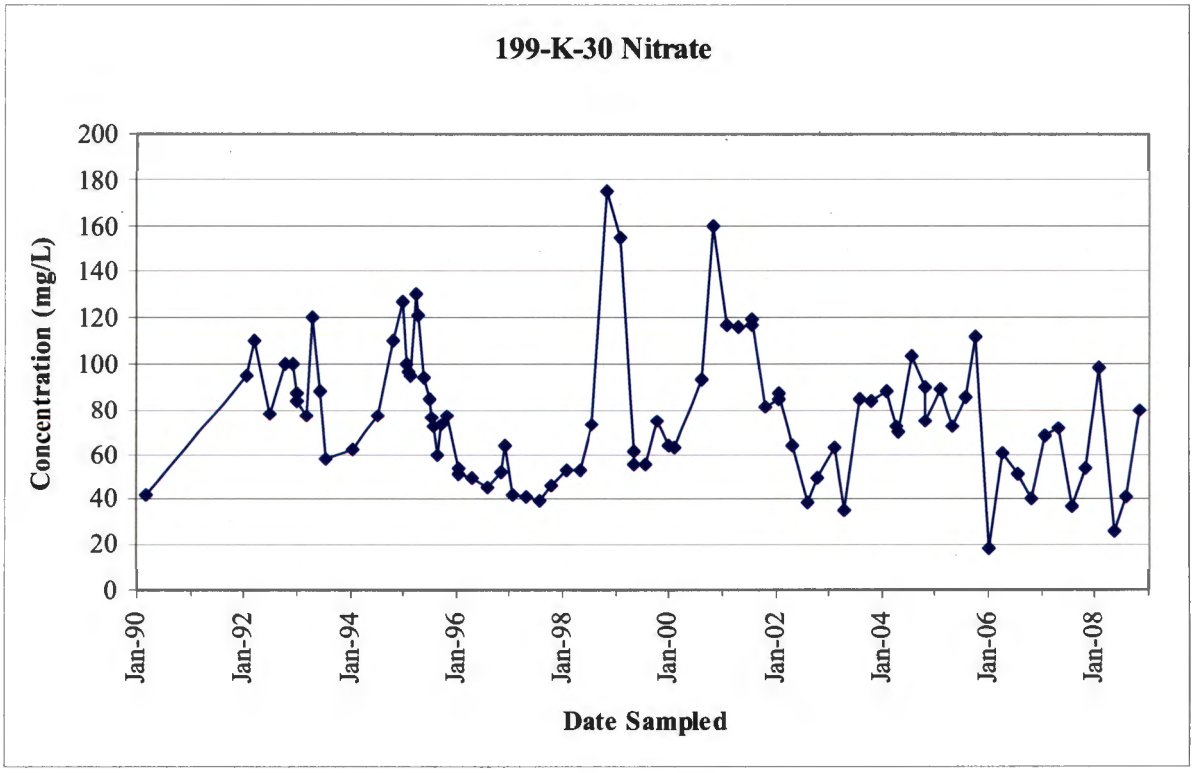

199-K-20 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

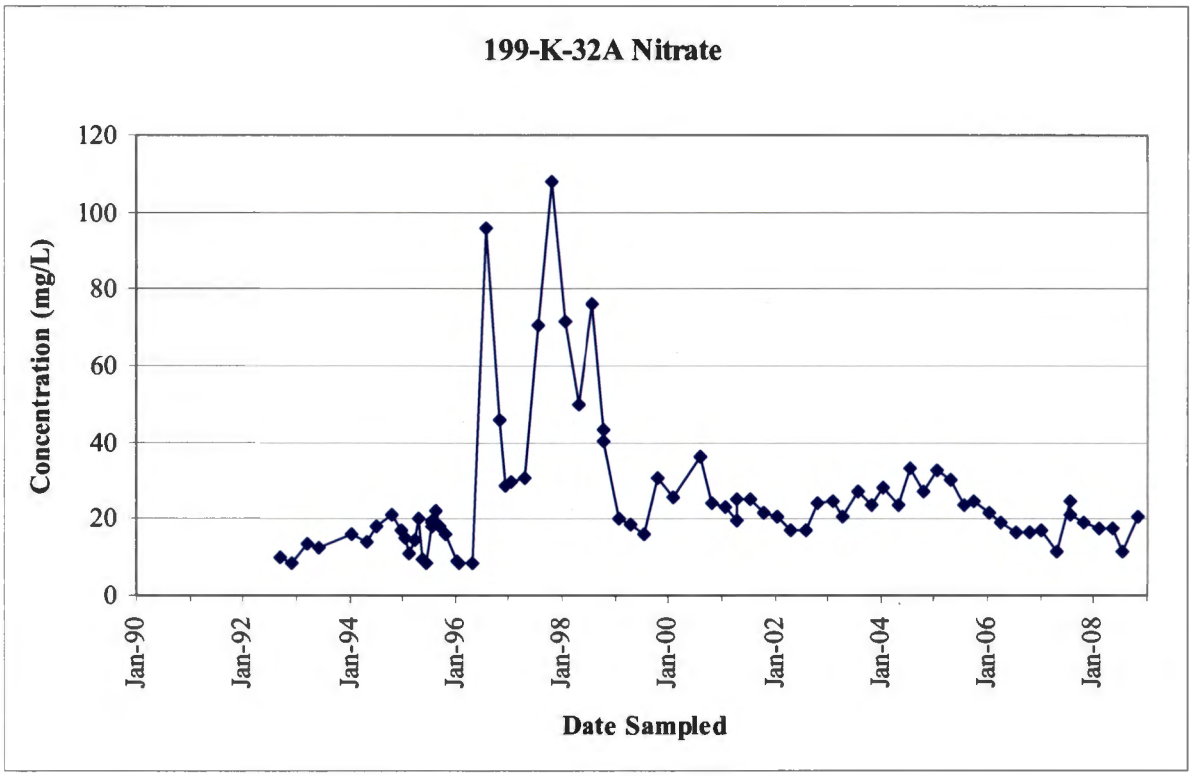

199-K-21 Nitrate
Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

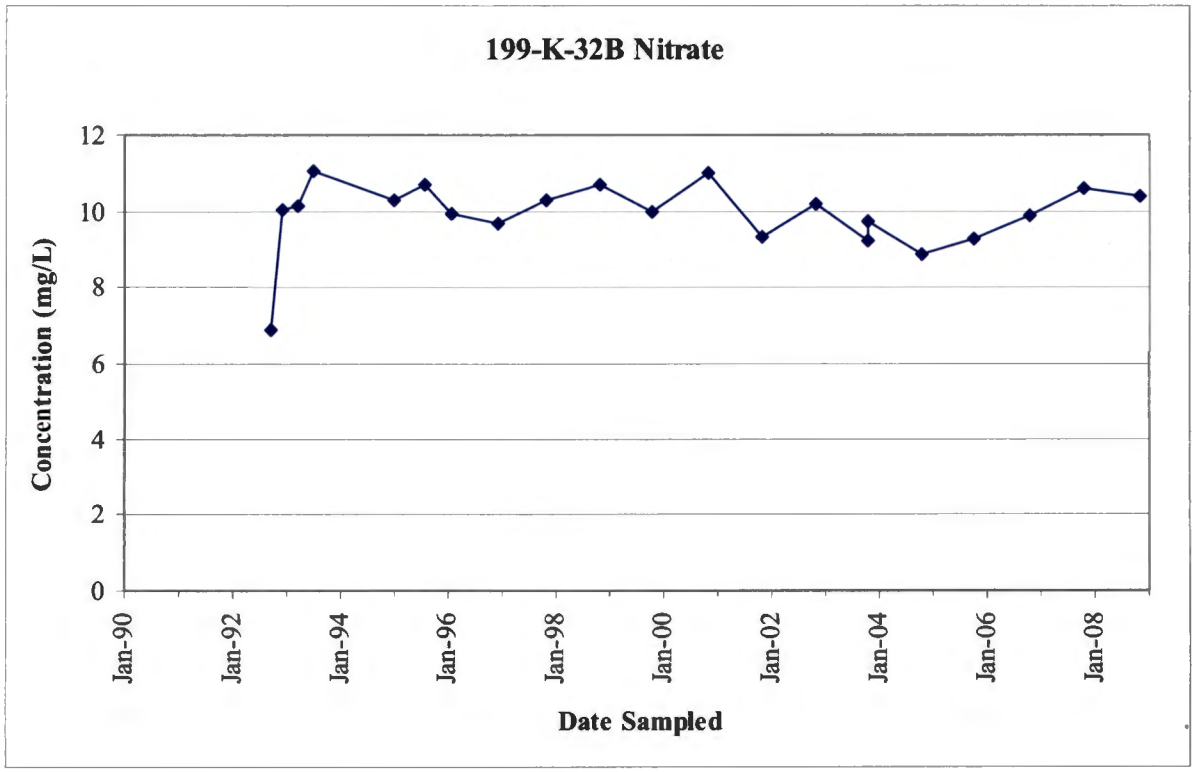

199-K-22 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

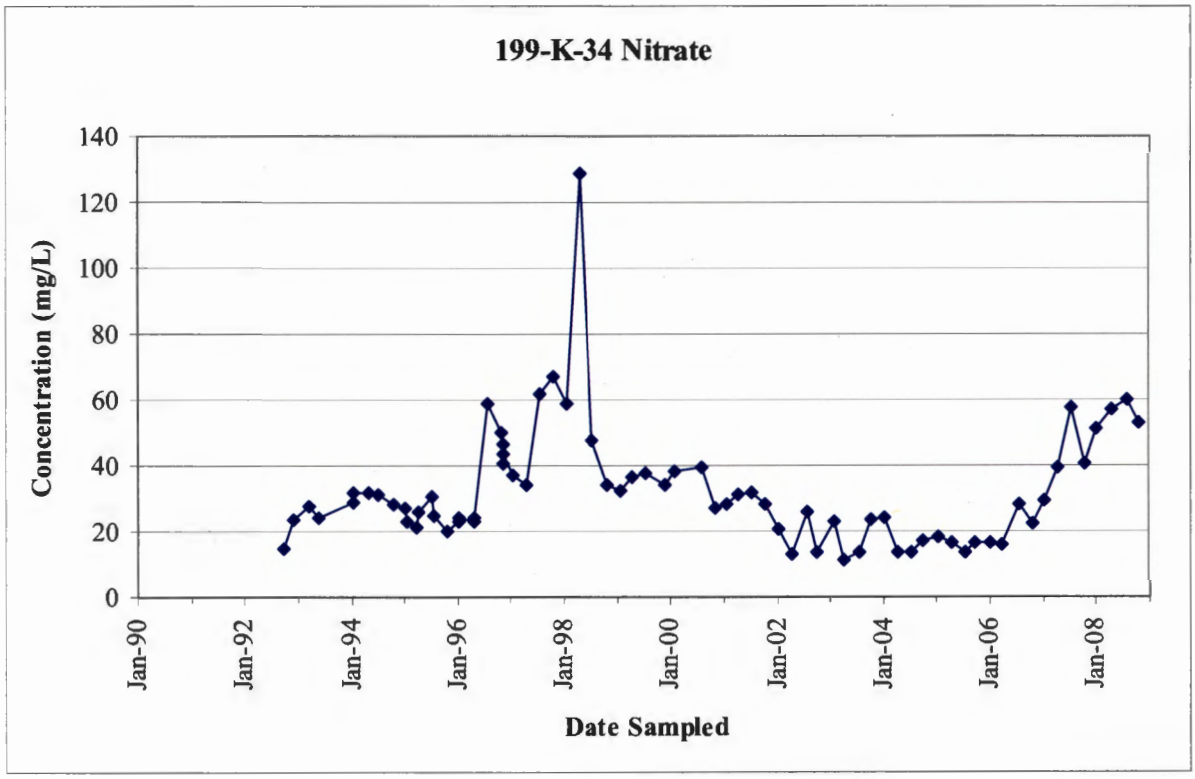

199-K-23 Nitrate
Concentration (mg/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

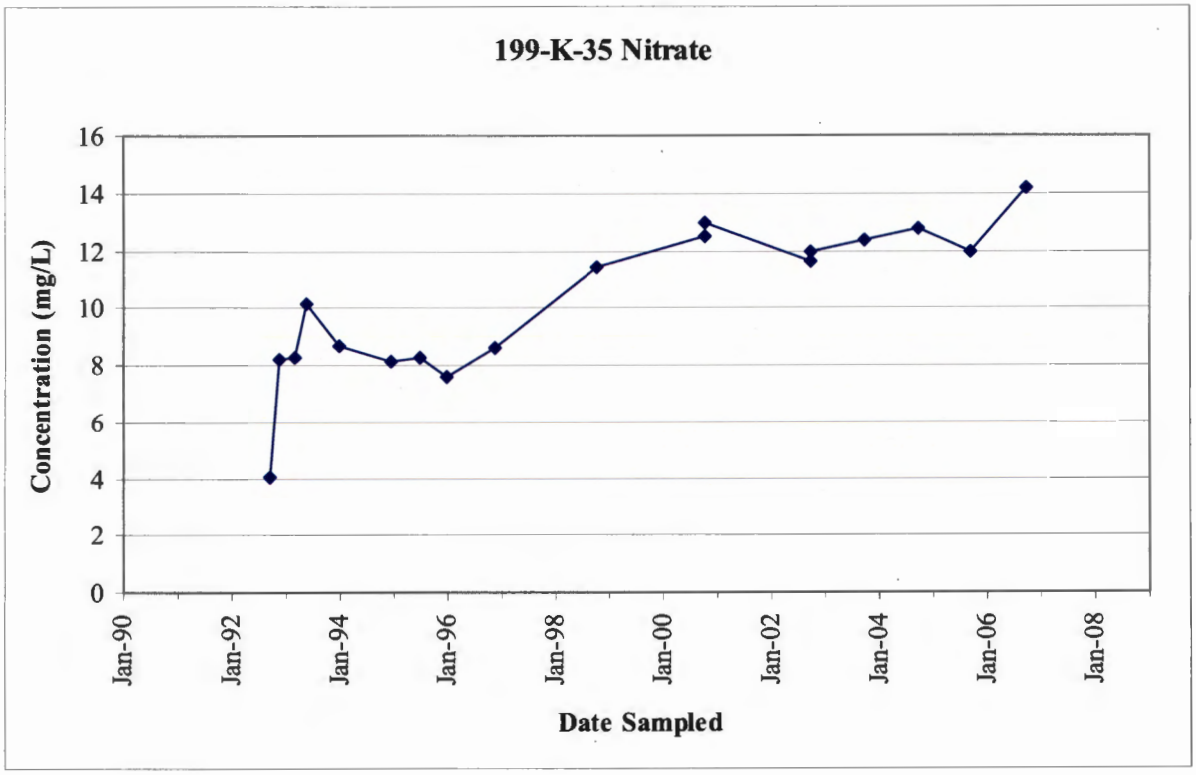

199-K-29 Nitrate
Concentration (mg/L)
0
5
10
15
20
25
30
35
40
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

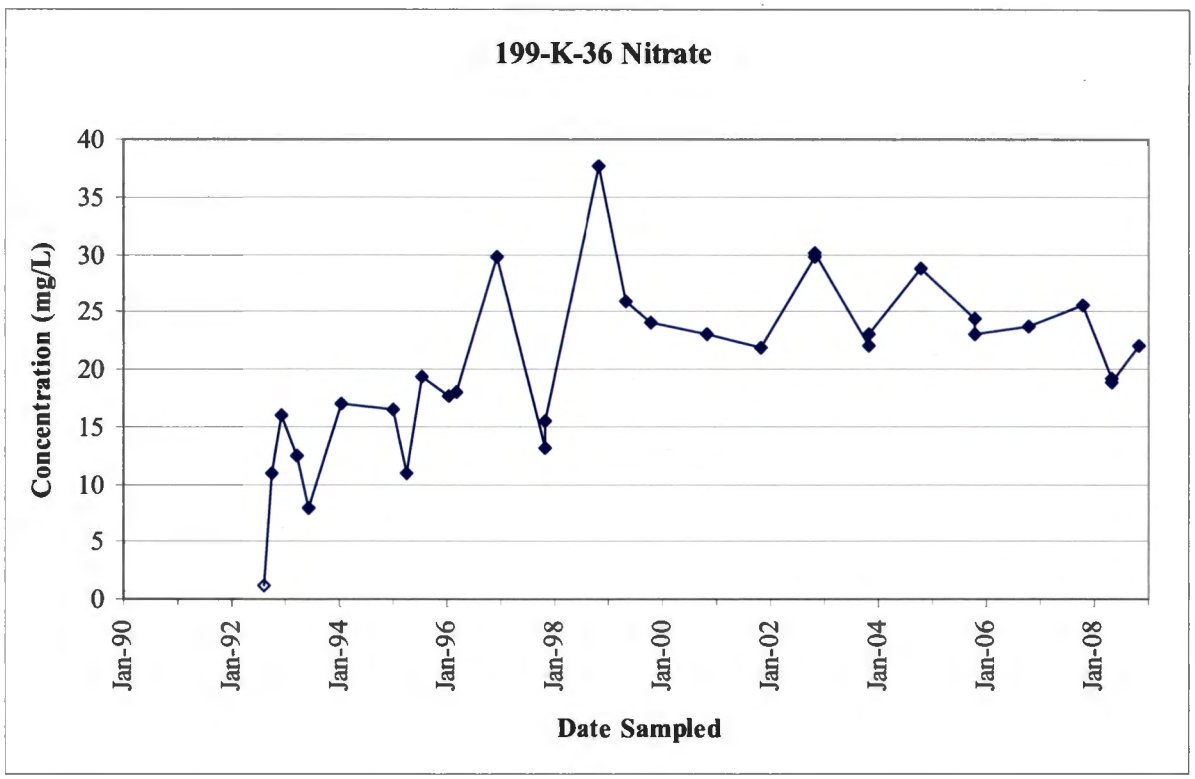

199-K-30 Nitrate
Concentration (mg/L)
0
20
40
60
80
100
120
140
160
180
200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

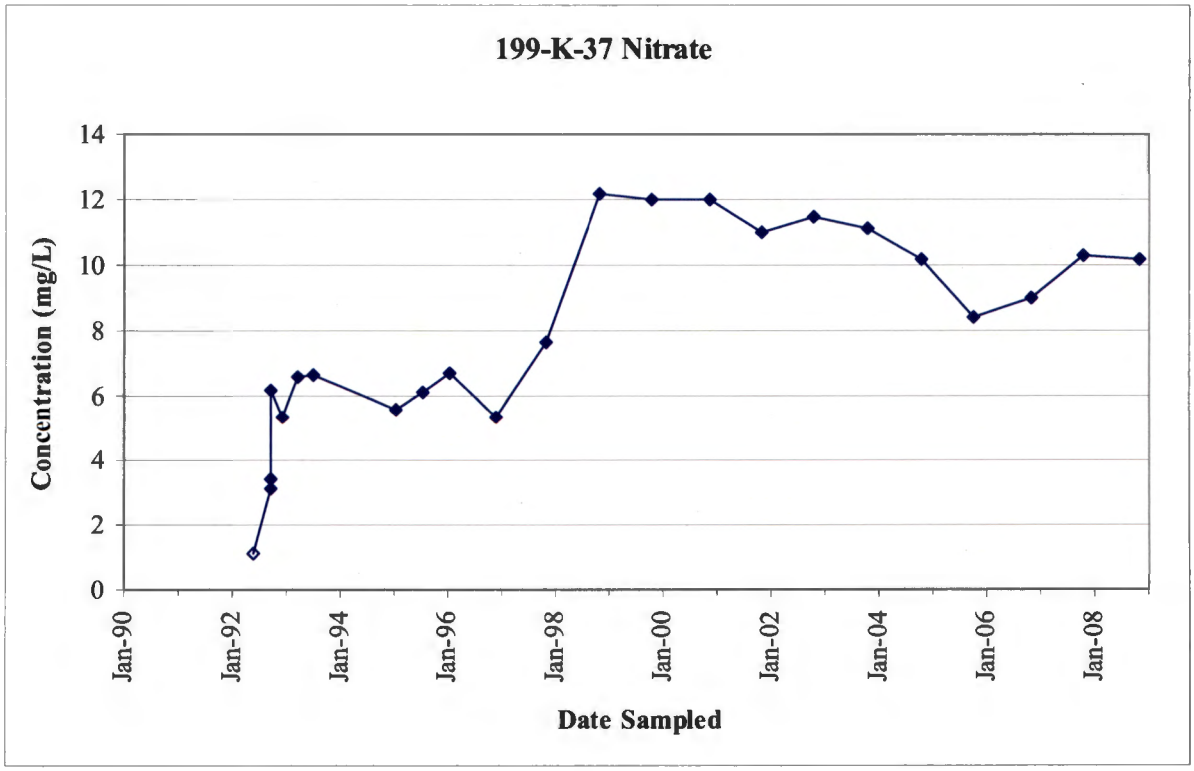

199-K-32A Nitrate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

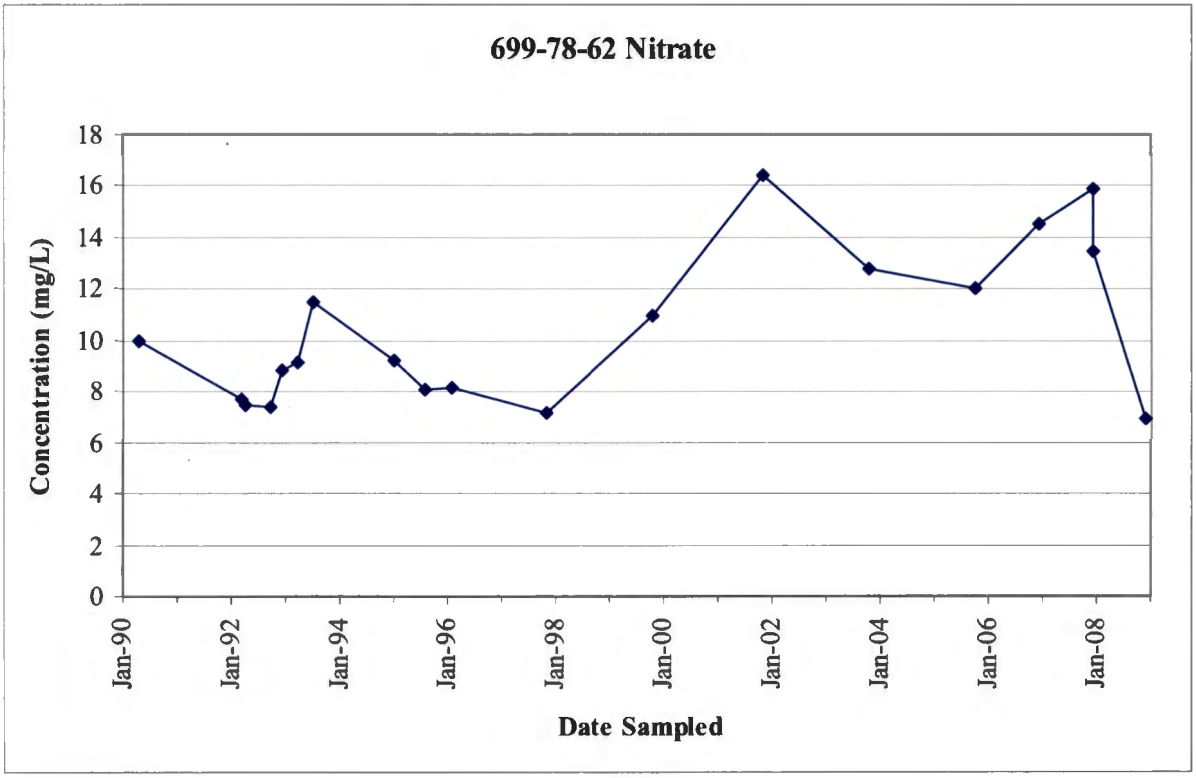

199-K-32B Nitrate
Concentration (mg/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

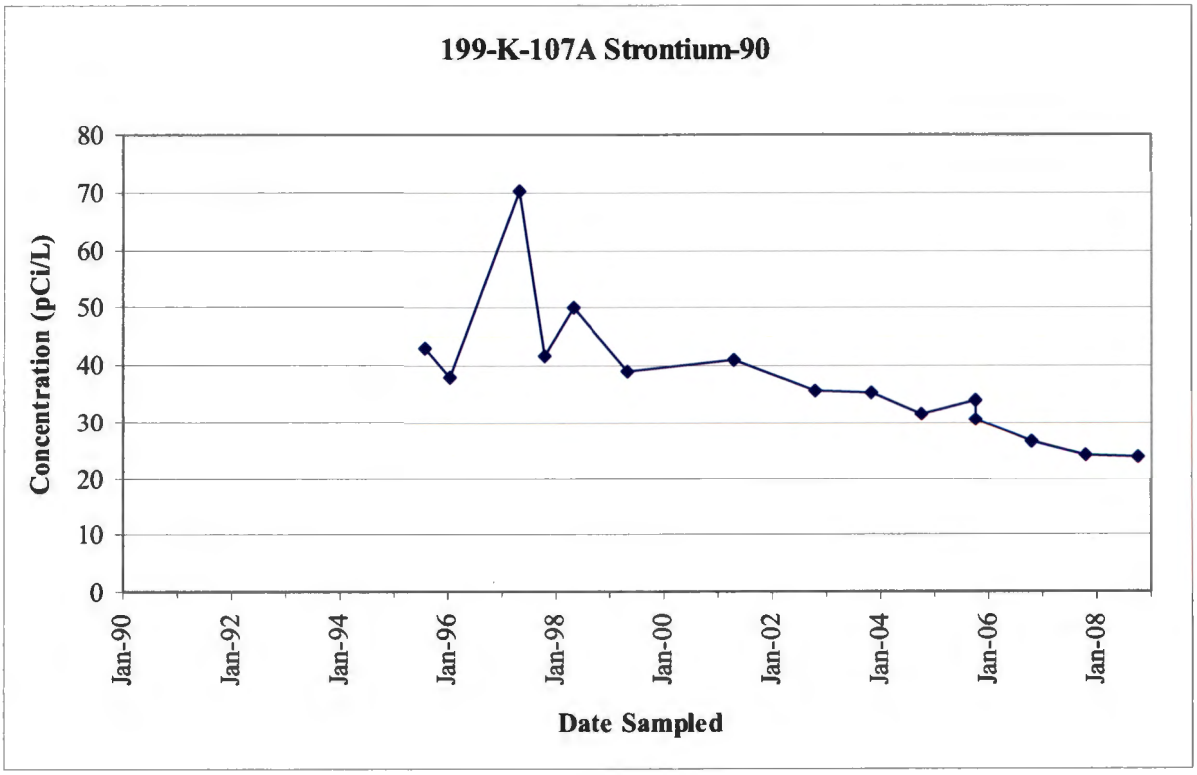

199-K-34 Nitrate
Concentration (mg/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

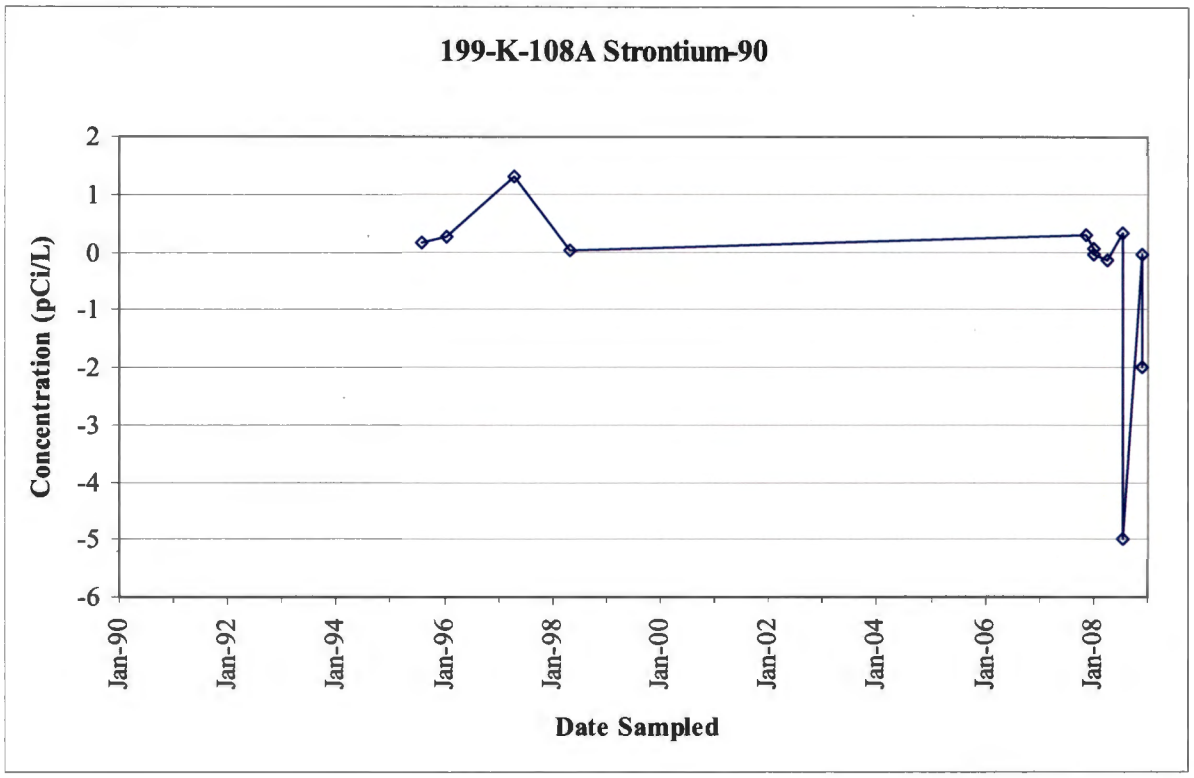

199-K-35 Nitrate
Concentration (mg/L)
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

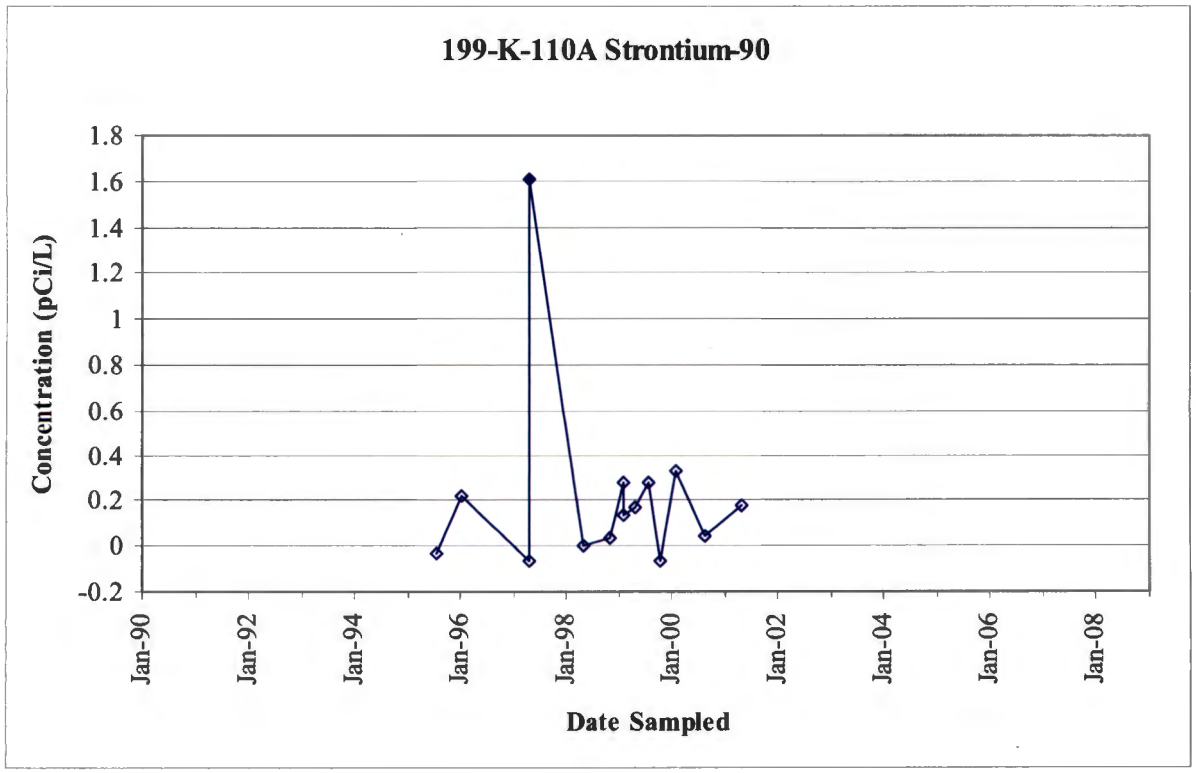

199-K-36 Nitrate
Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

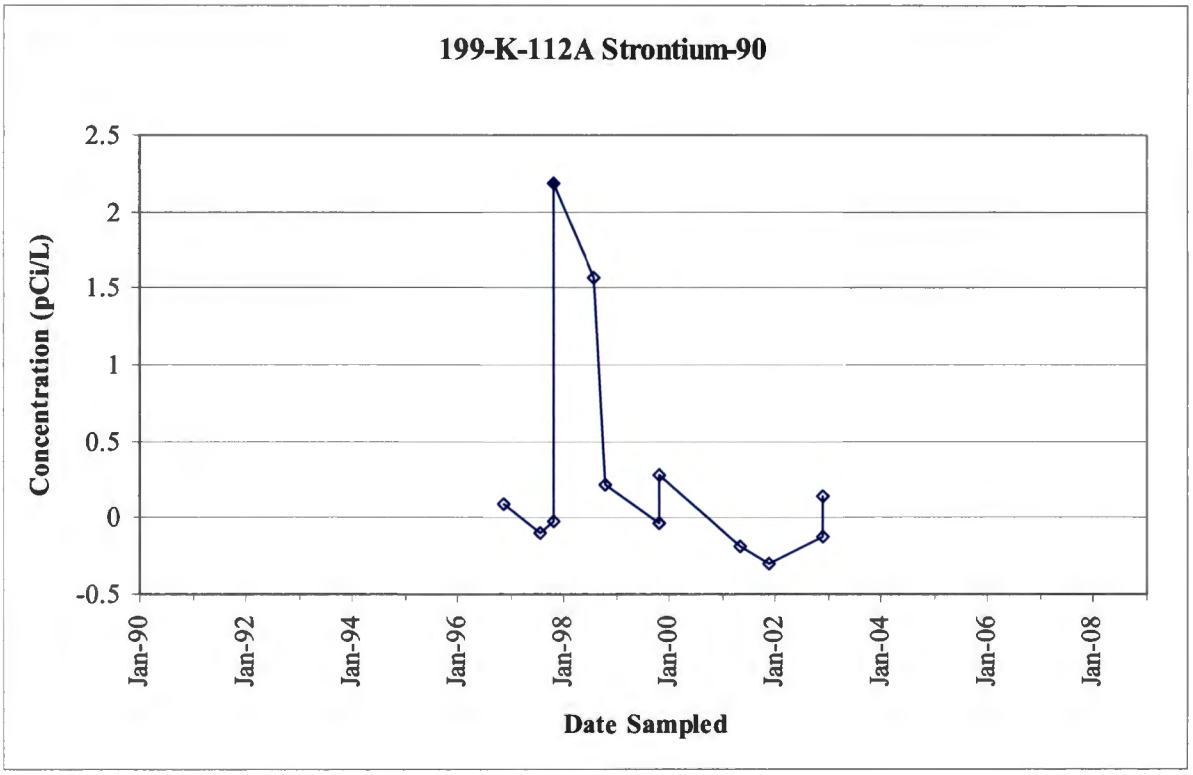

199-K-37 Nitrate
Concentration (mg/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

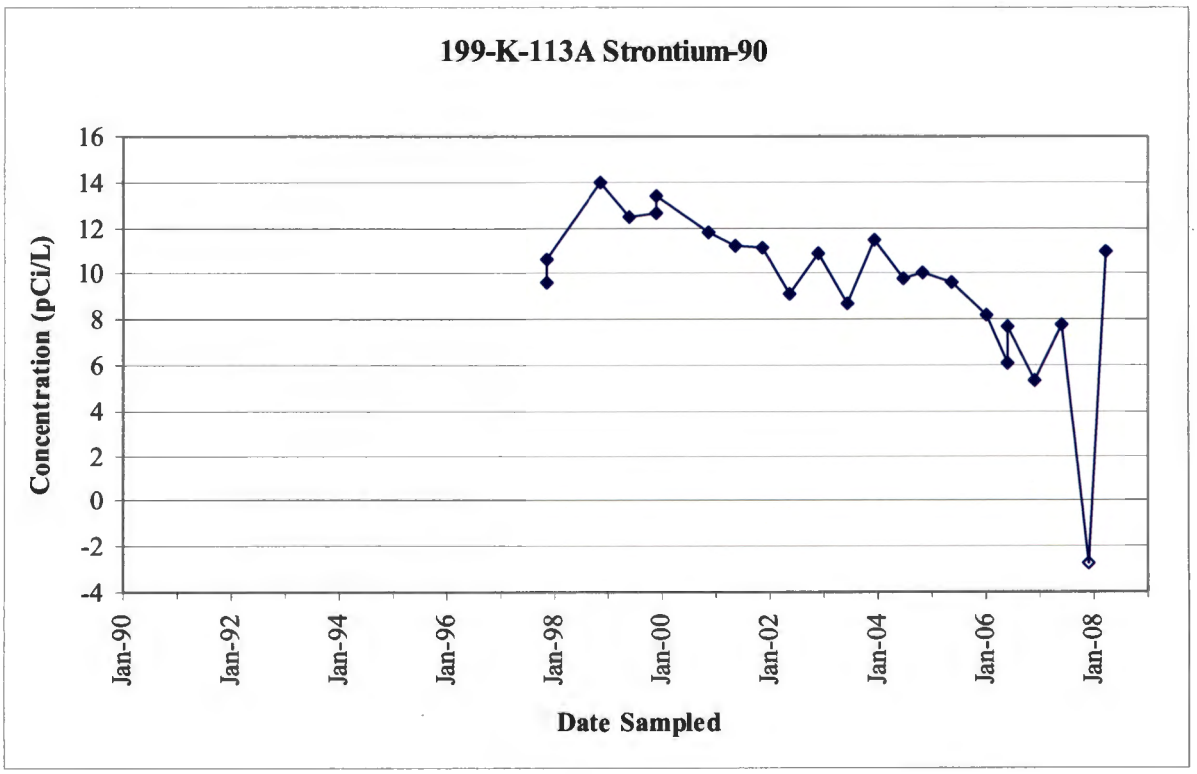

699-78-62 Nitrate
Concentration (mg/L)
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

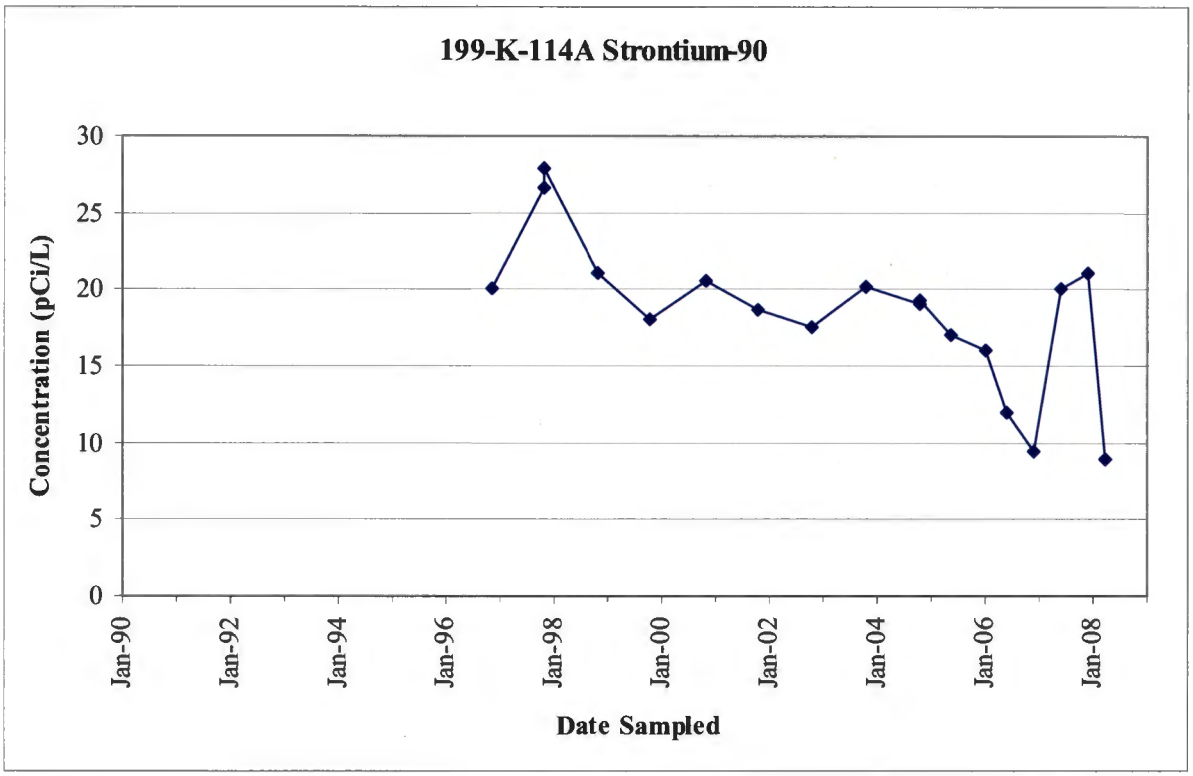

199-K-107A Strontium-90
Concentration (pCi/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

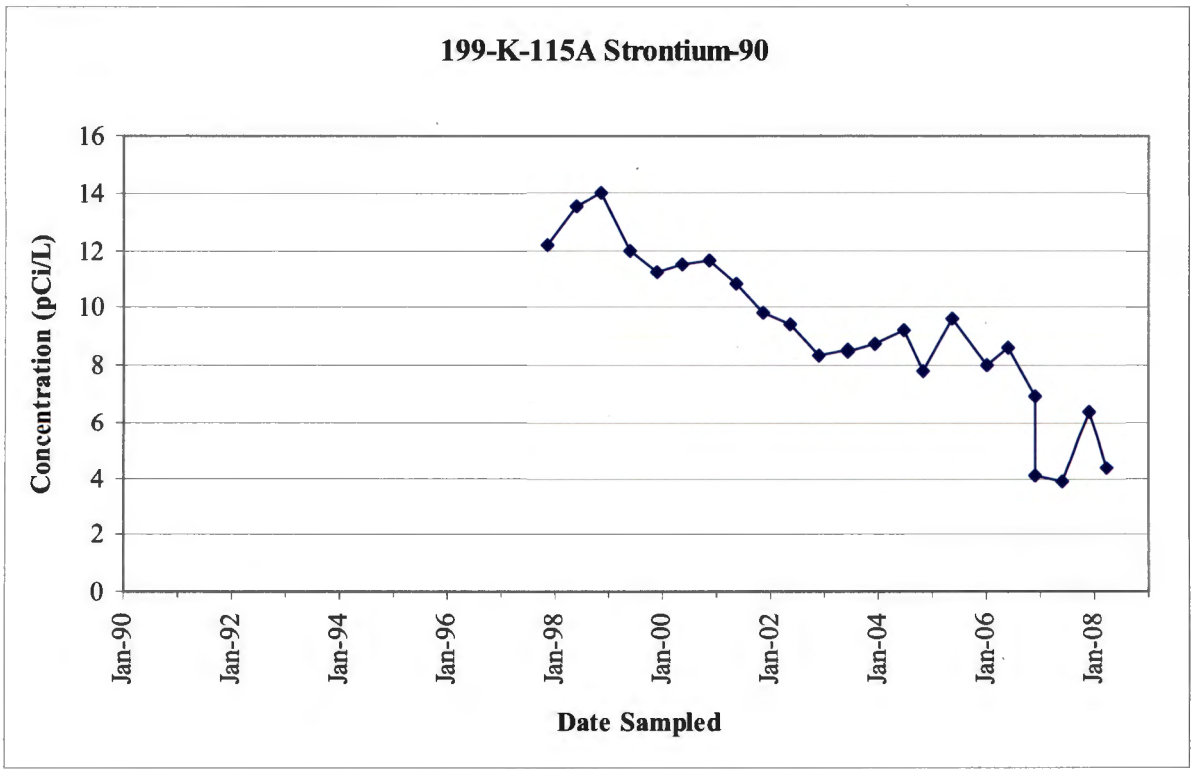

199-K-108A Strontium-90
Concentration (pCi/L)
2
1
0
-1
-2
-3
-4
-5
-6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

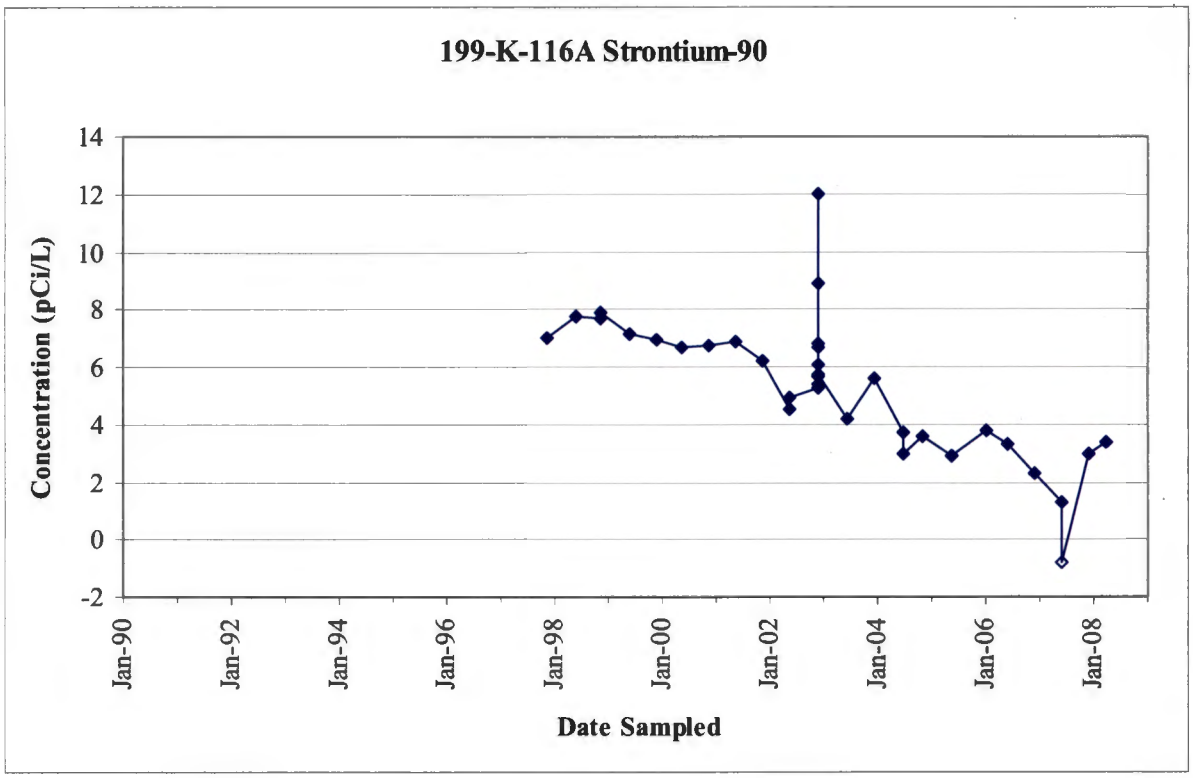

199-K-110A Strontium-90
Concentration (pCi/L)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

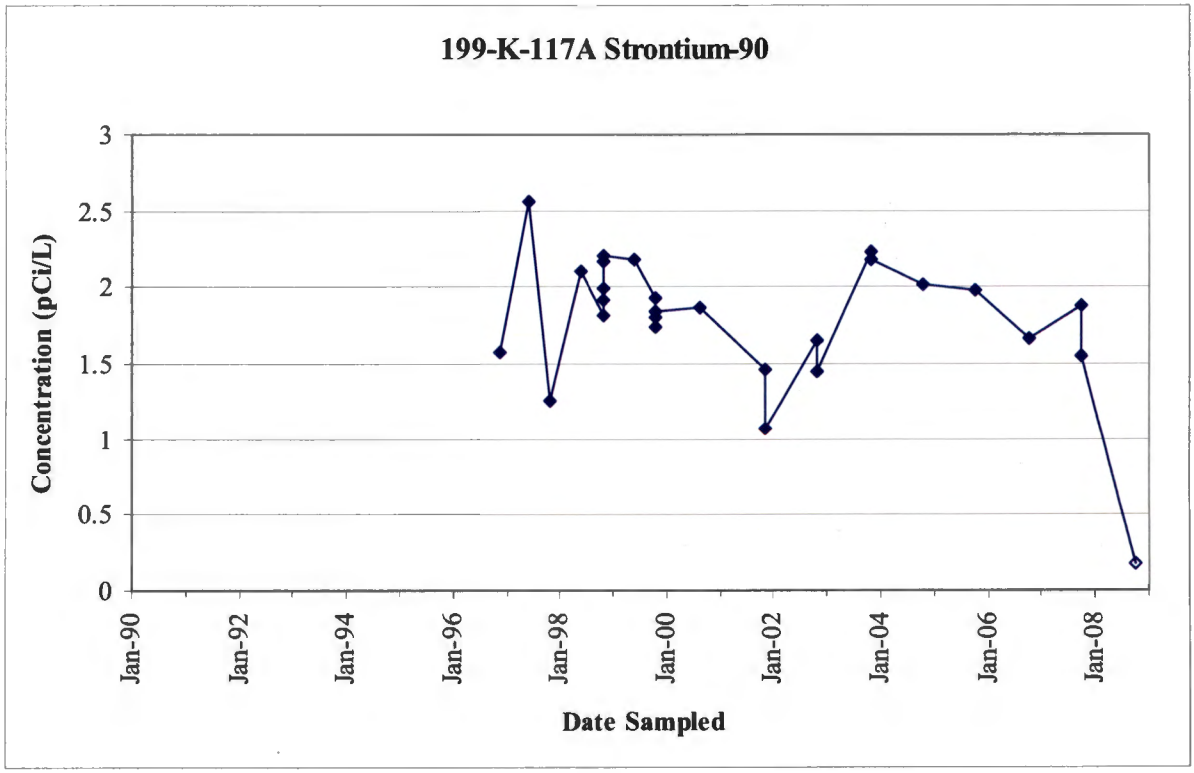

199-K-112A Strontium-90
Concentration (pCi/L)
2.5
2
1.5
1
0.5
0
-0.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

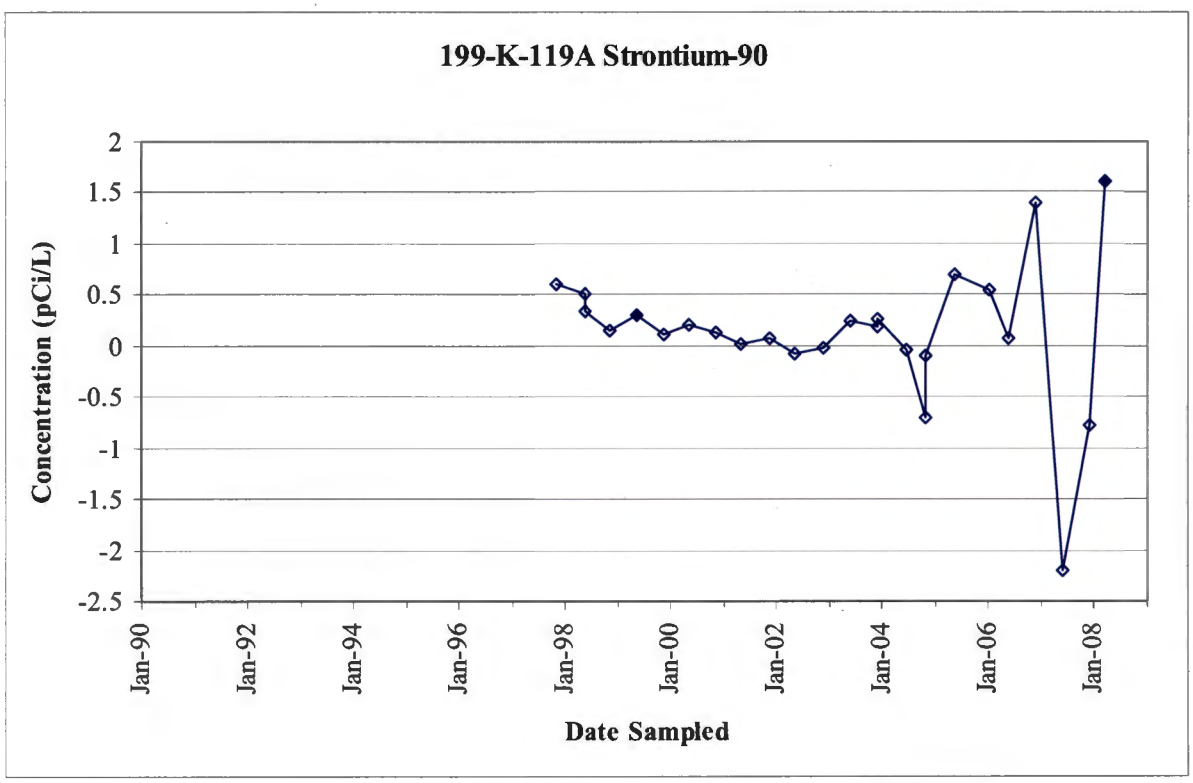

199-K-113A Strontium-90
Concentration (pCi/L)
16
14
12
10
8
6
4
2
0
-2
-4
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

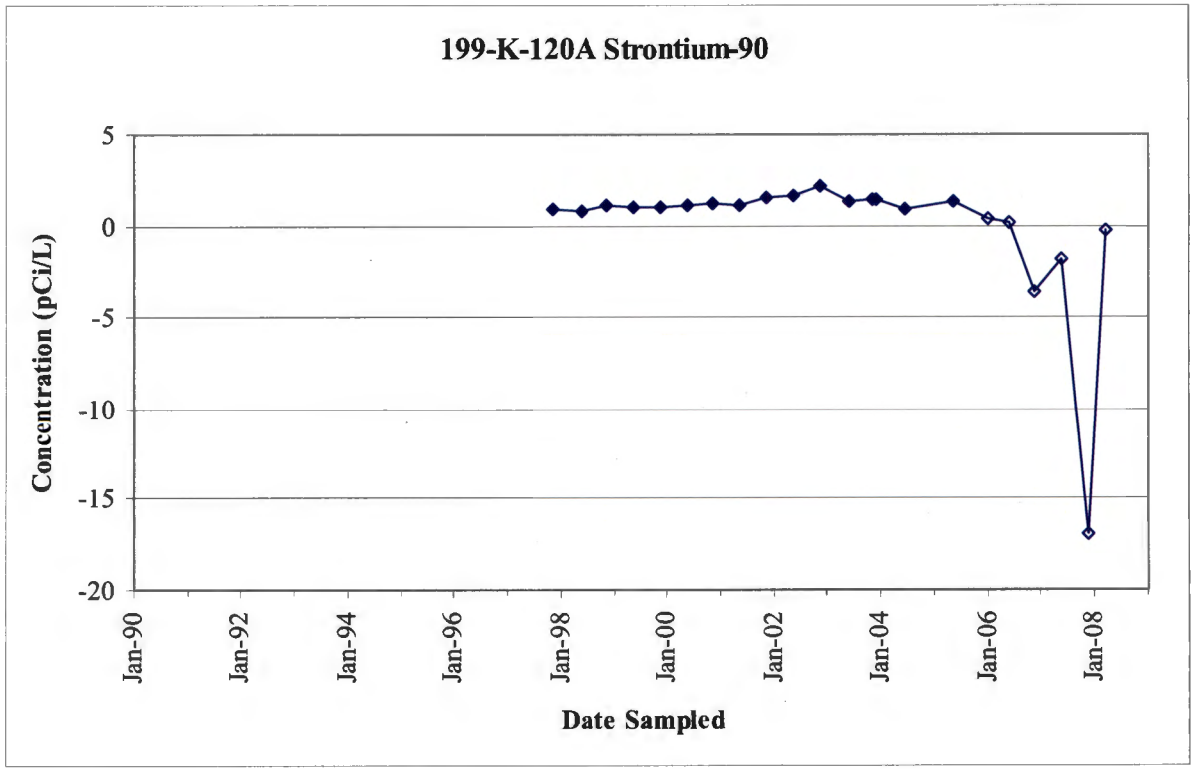

199-K-114A Strontium-90
Concentration (pCi/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

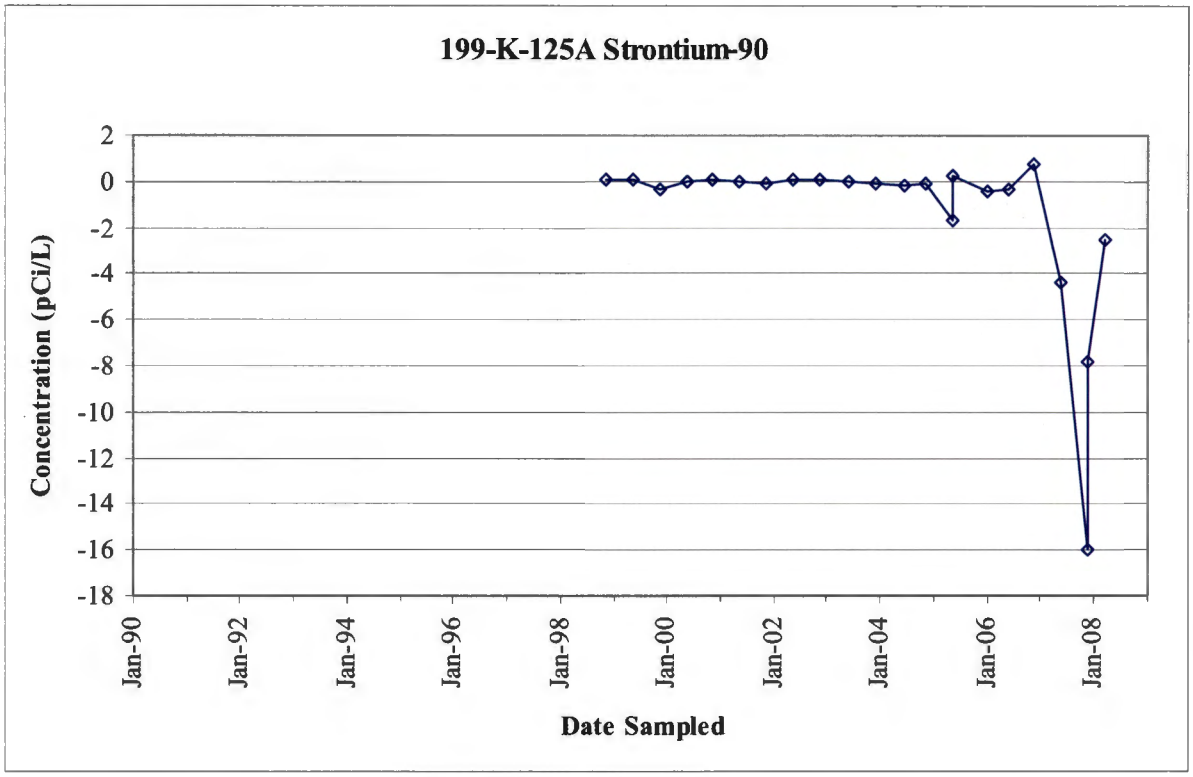

199-K-115A Strontium-90
Concentration (pCi/L)
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

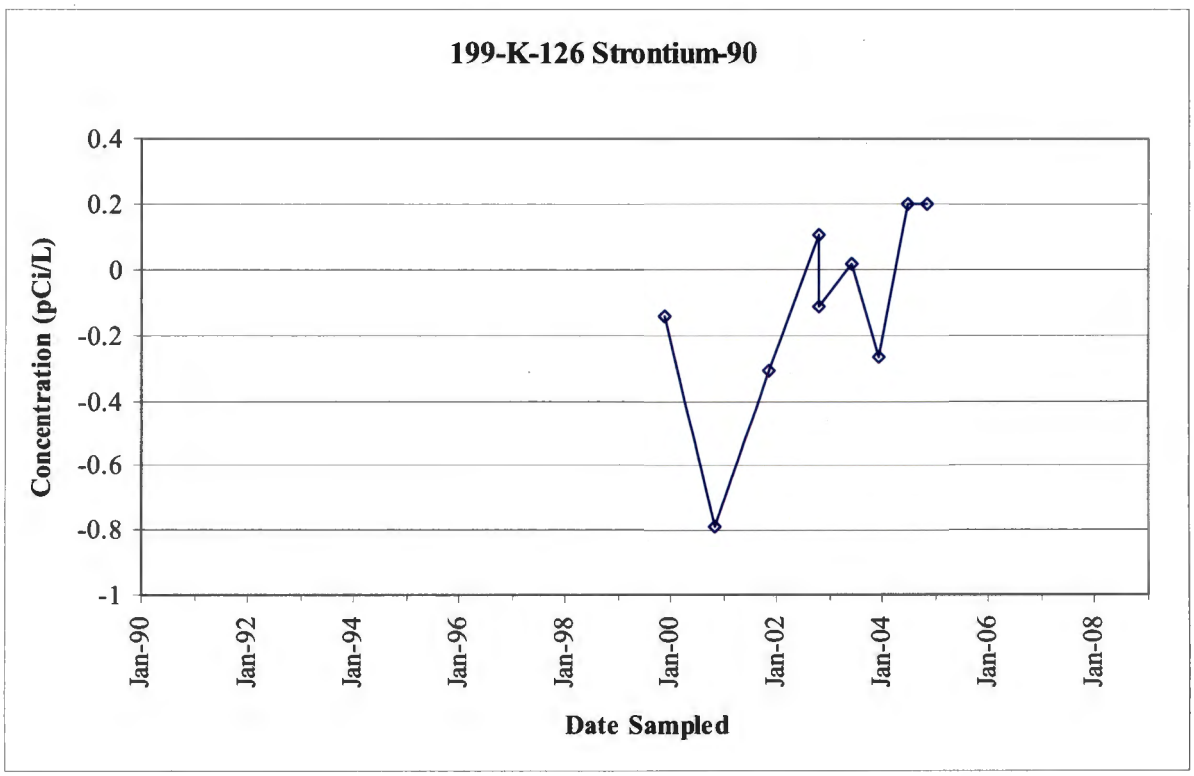

199-K-116A Strontium-90
Concentration (pCi/L)
14
12
10
8
6
4
2
0
-2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

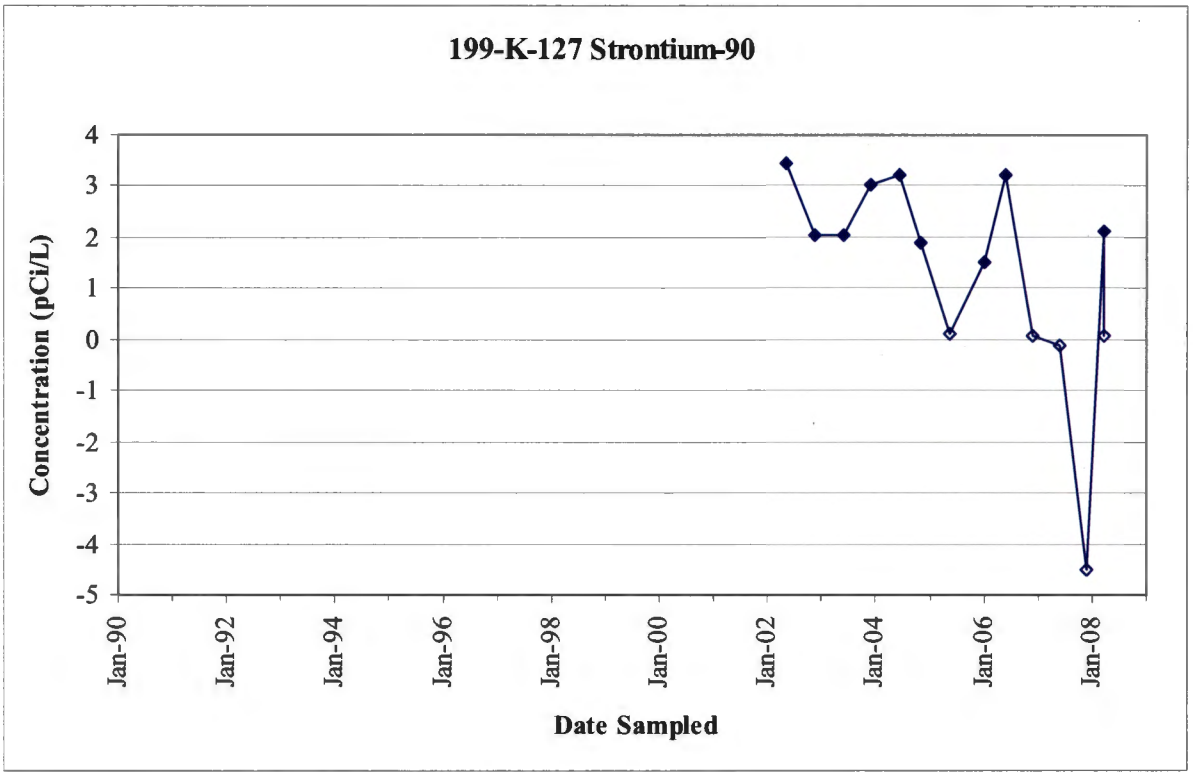

199-K-117A Strontium-90
Concentration (pCi/L)
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

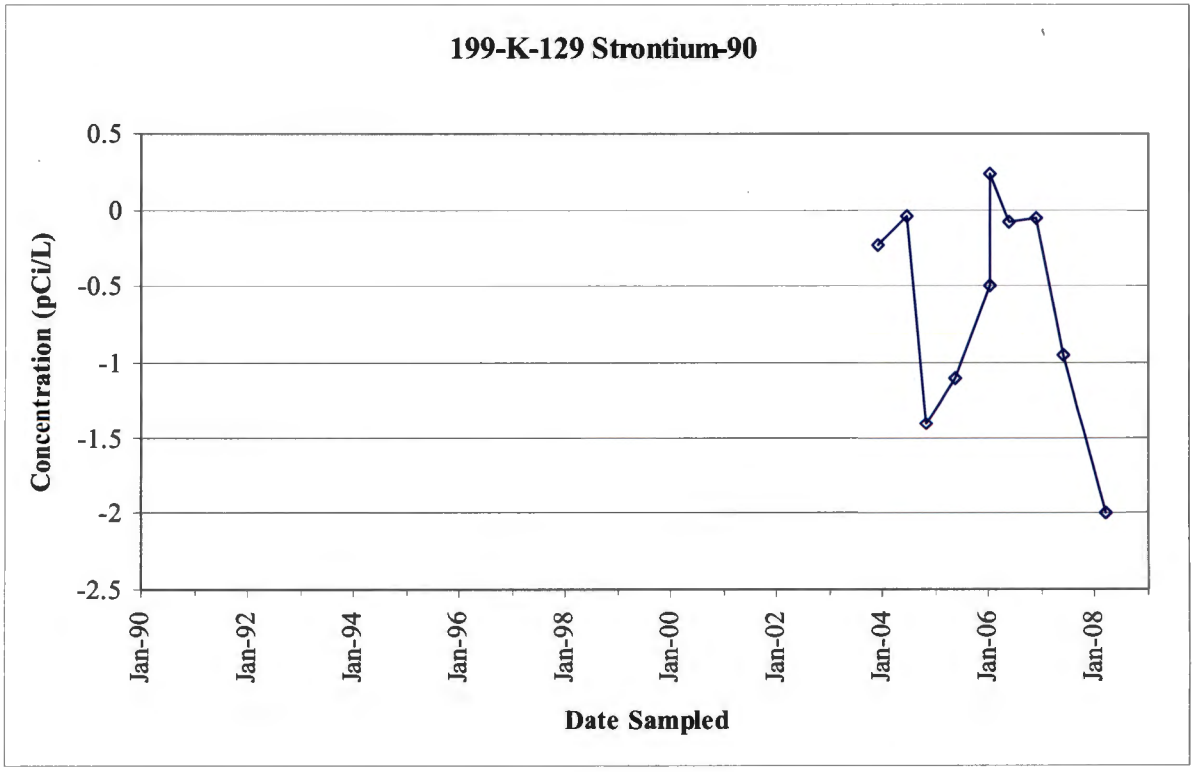

199-K-119A Strontium-90
Concentration (pCi/L)
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

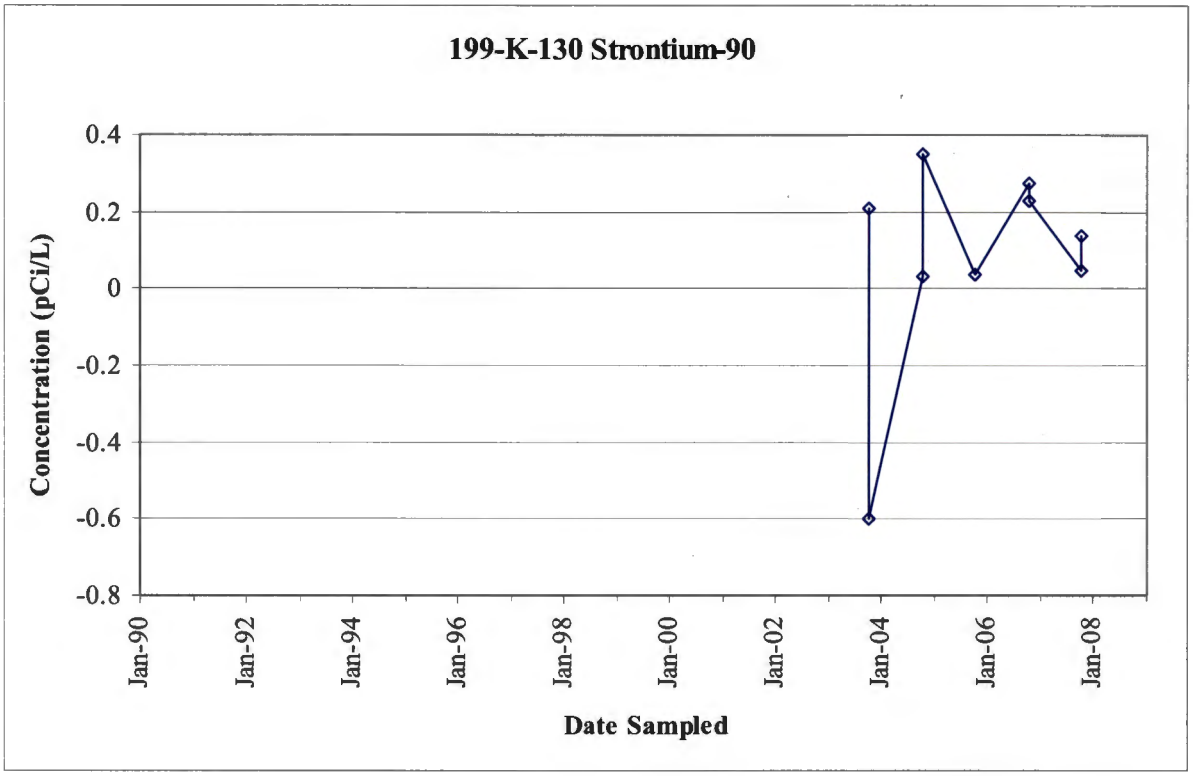

199-K-120A Strontium-90
Concentration (pCi/L)
5
0
-5
-10
-15
-20
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

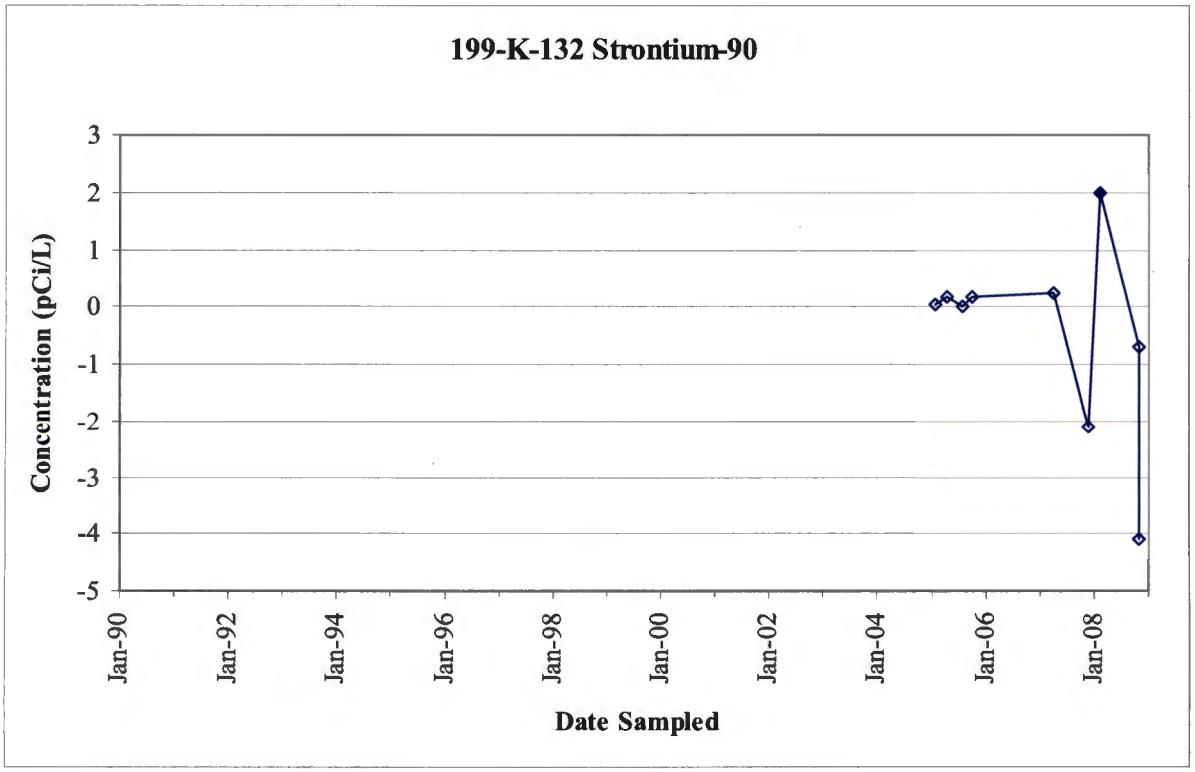

199-K-125A Strontium-90
Concentration (pCi/L)
2
0
-2
-4
-6
-8
-10
-12
-14
-16
-18
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

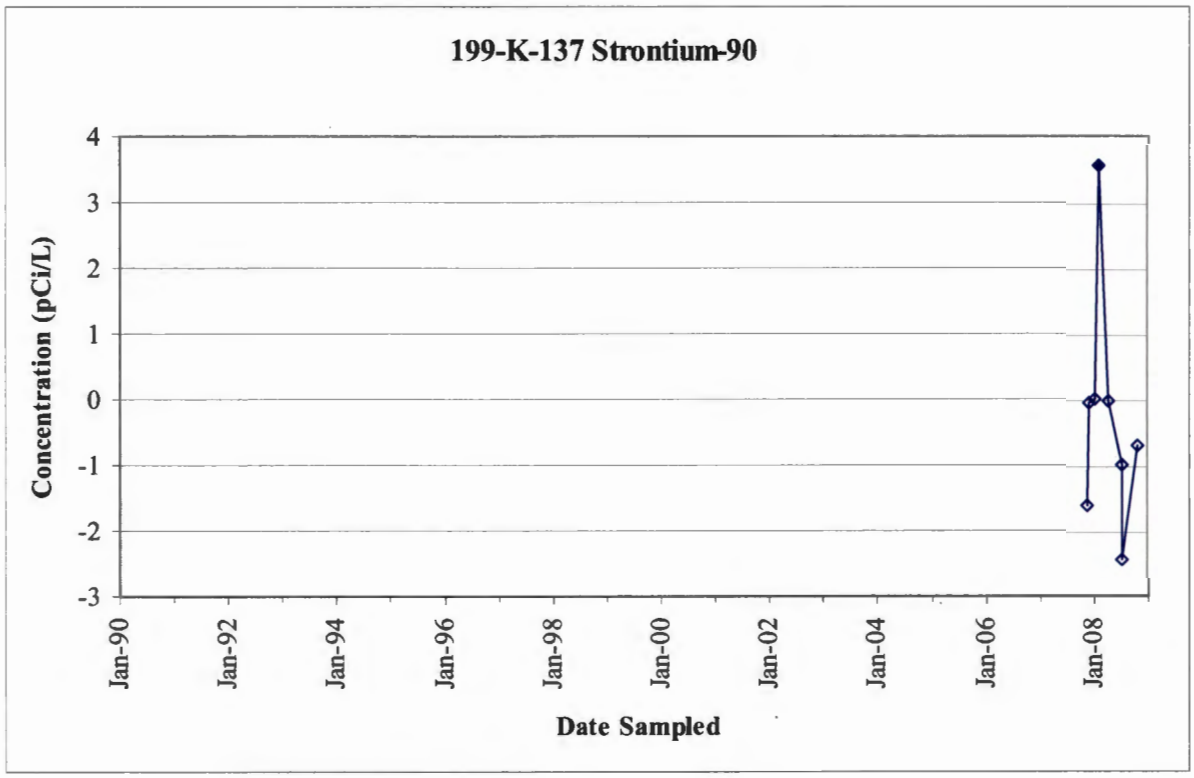

199-K-126 Strontium-90
Concentration (pCi/L)
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

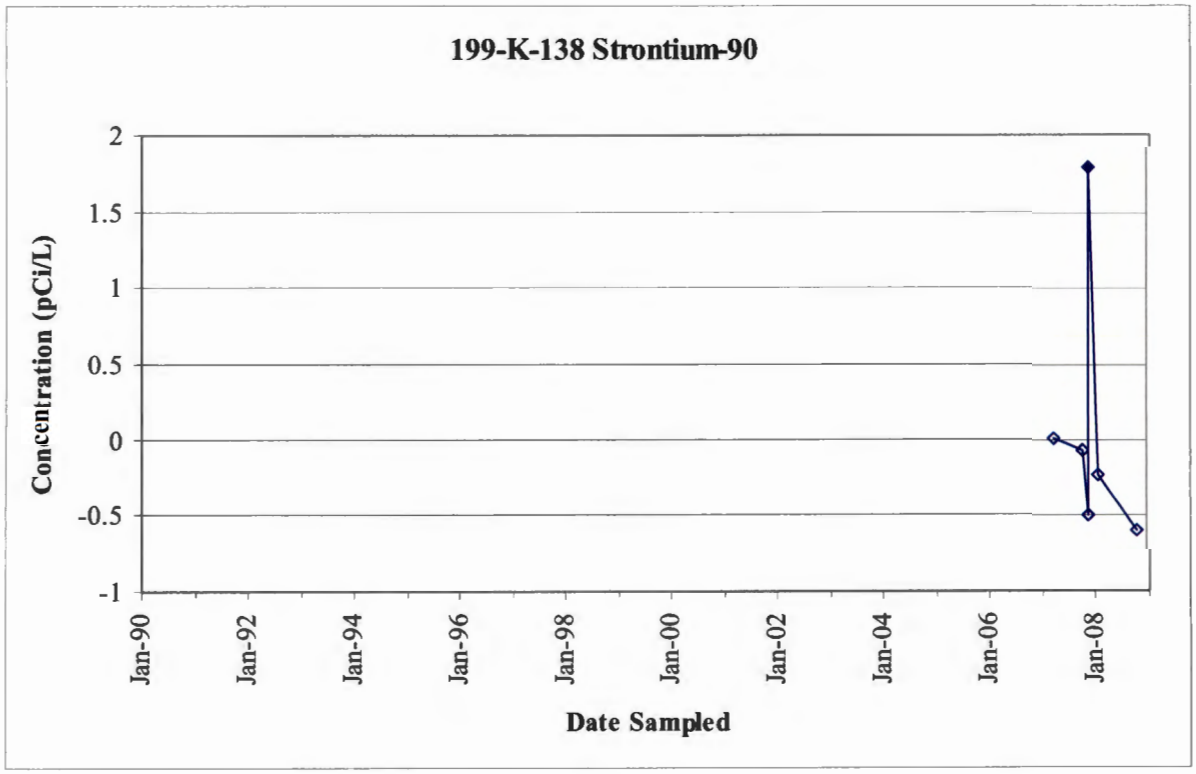

199-K-127 Strontium-90
Concentration (pCi/L)
4
3
2
1
0
-1
-2
-3
-4
-5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

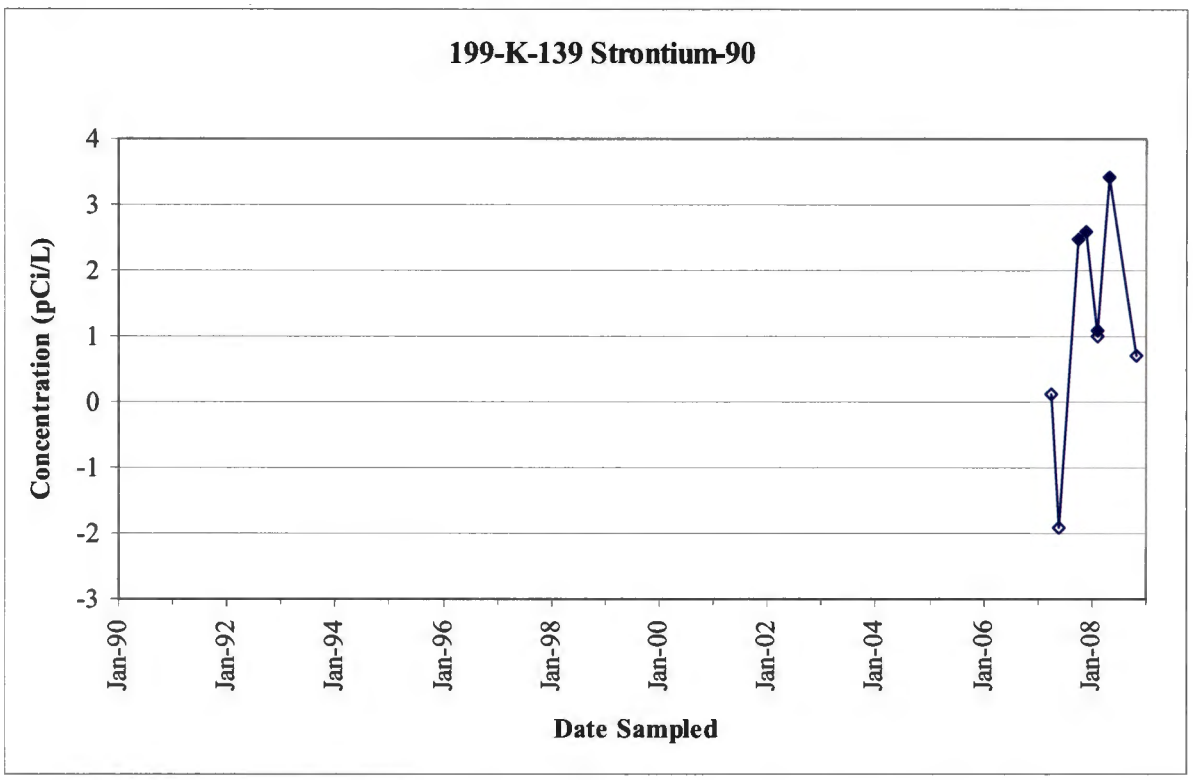

199-K-129 Strontium-90
Concentration (pCi/L)
0.5
0
-0.5
-1
-1.5
-2
-2.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

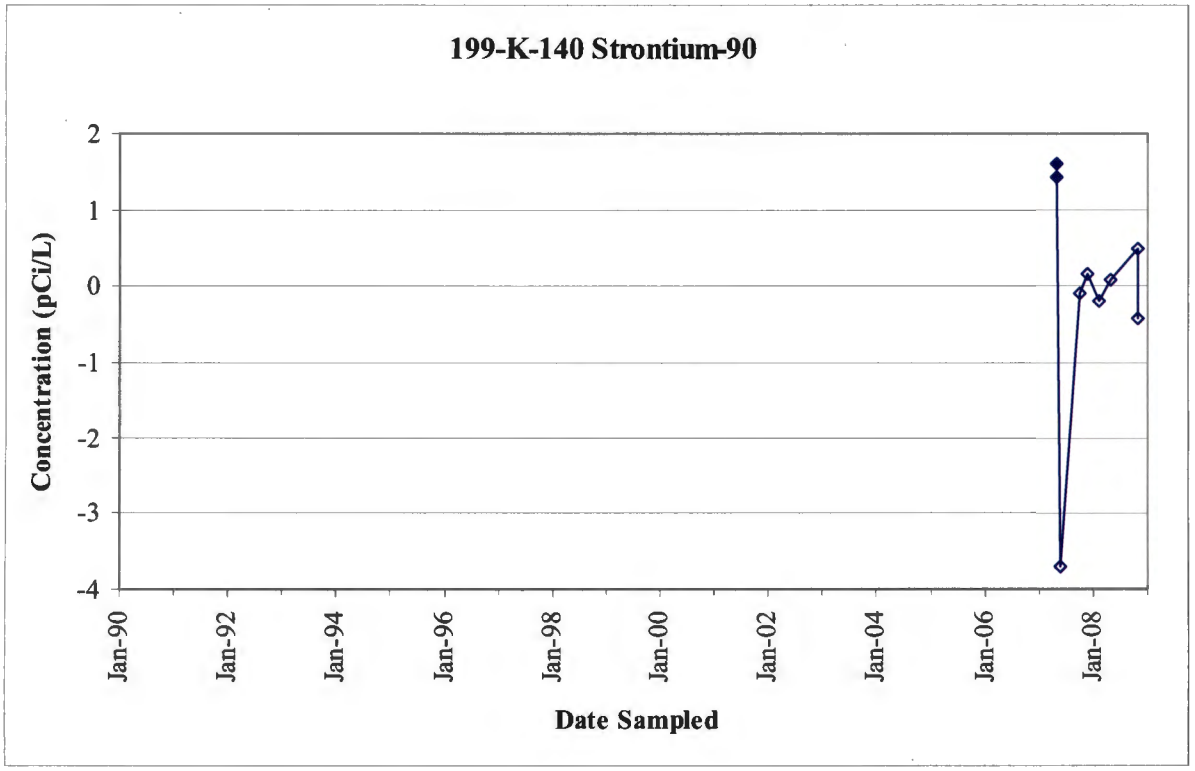

199-K-130 Strontium-90
Concentration (pCi/L)
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

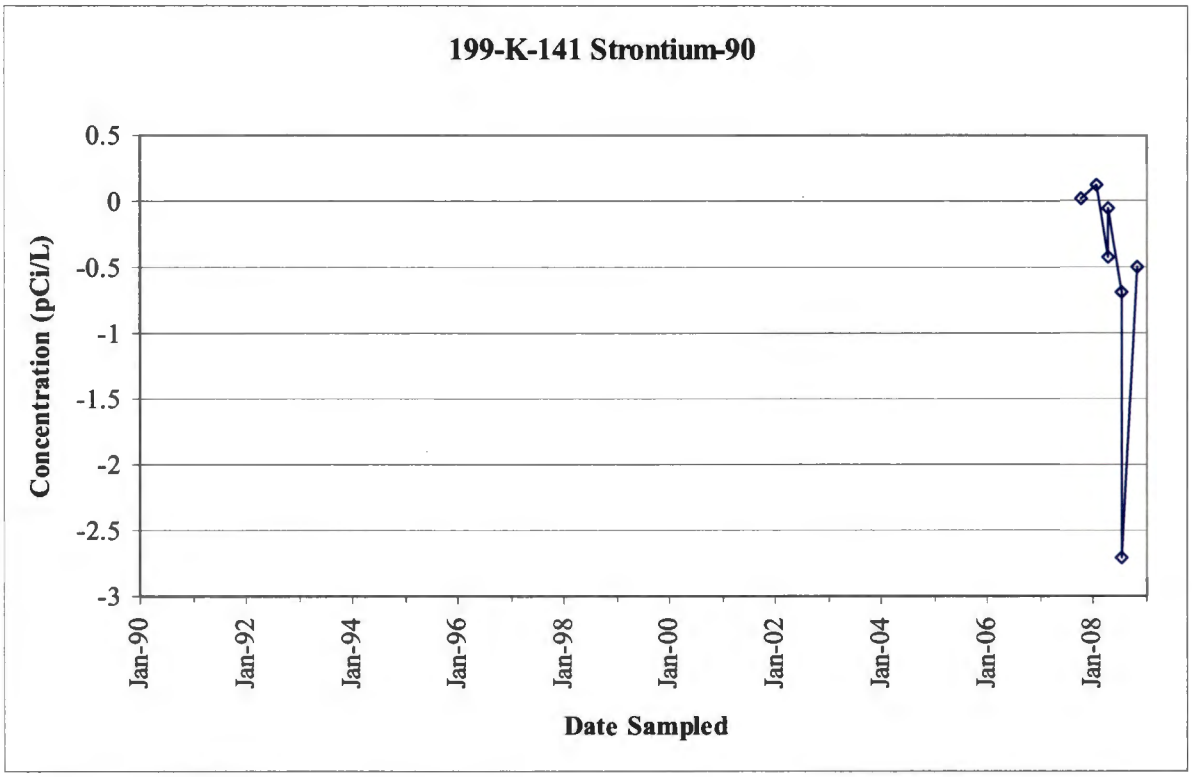

199-K-132 Strontium-90
Concentration (pCi/L)
3
2
1
0
-1
-2
-3
-4
-5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

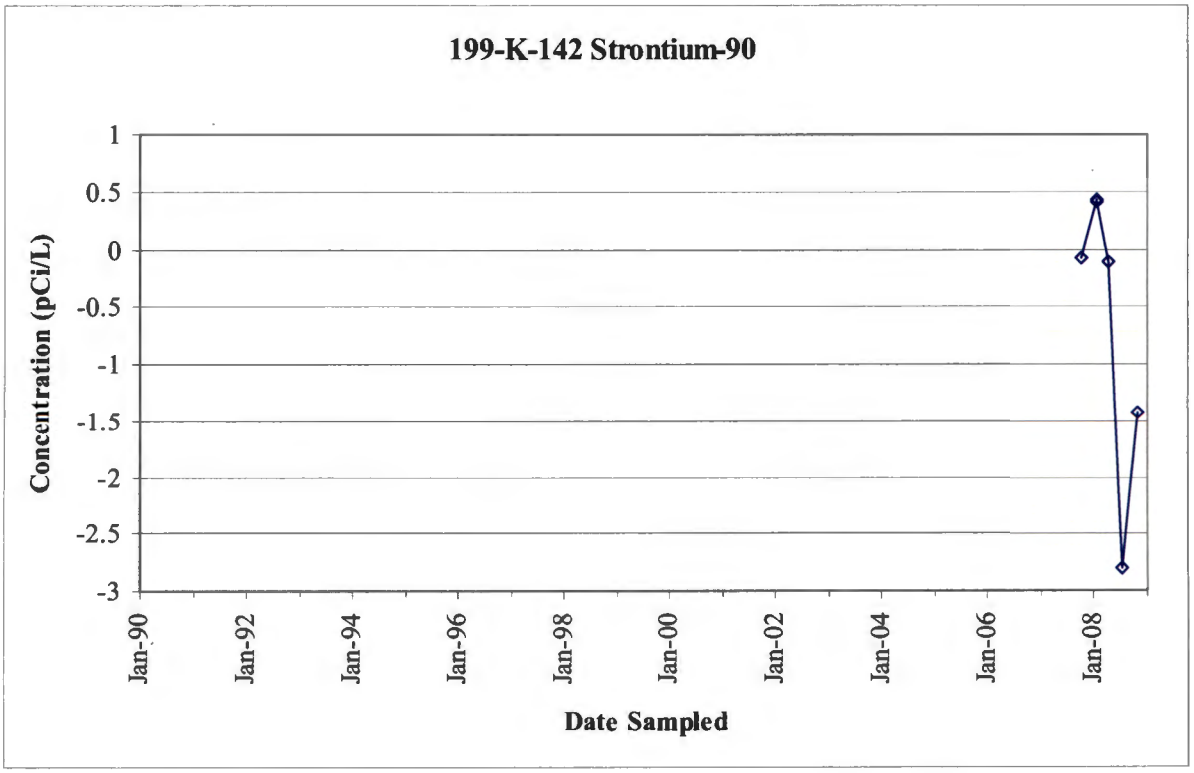

199-K-137 Strontium-90
Concentration (pCi/L)
4
3
2
1
0
-1
-2
-3
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

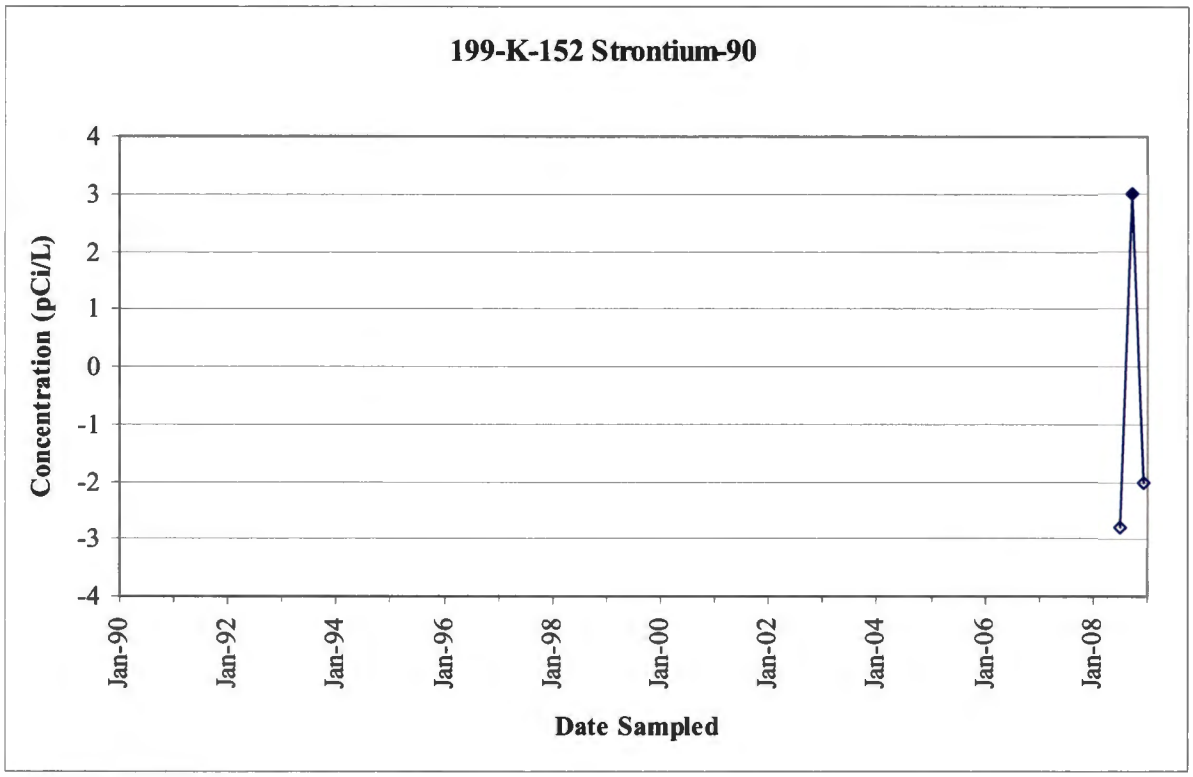

199-K-138 Strontium-90
Concentration (pCi/L)
2
1.5
1
0.5
0
-0.5
-1
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

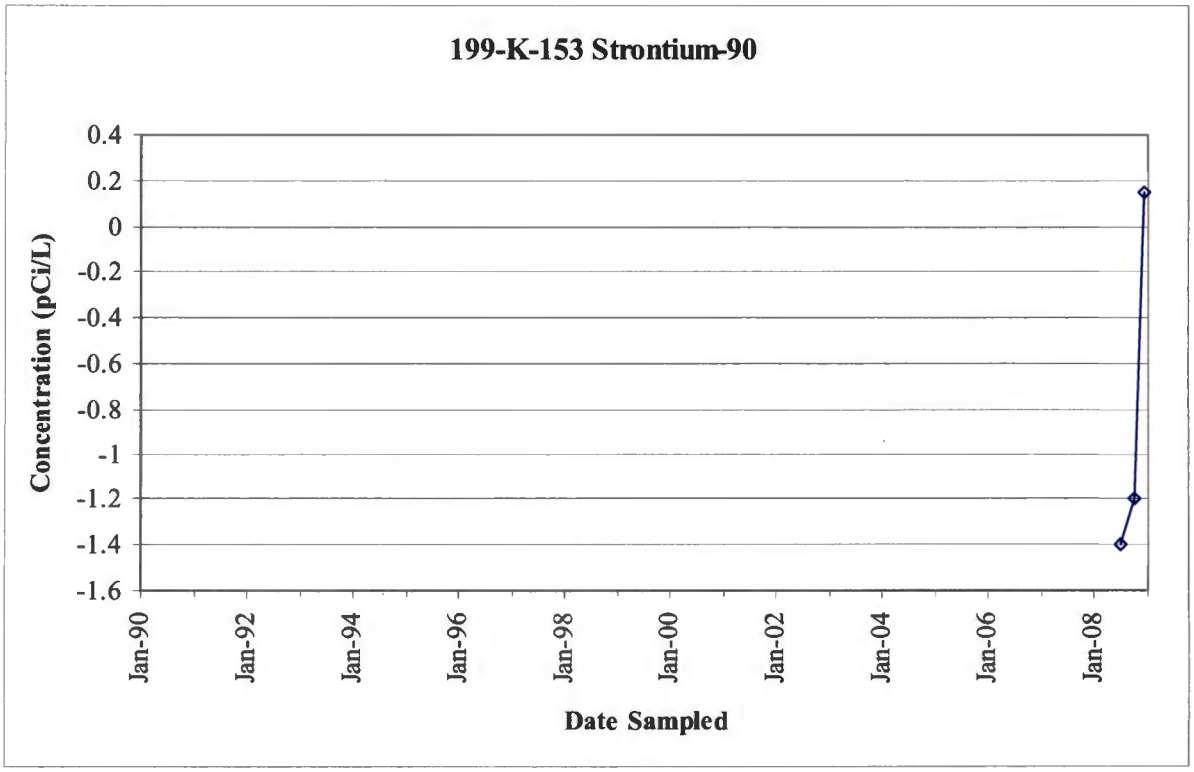

199-K-139 Strontium-90
Concentration (pCi/L)
4
3
2
1
0
-1
-2
-3
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

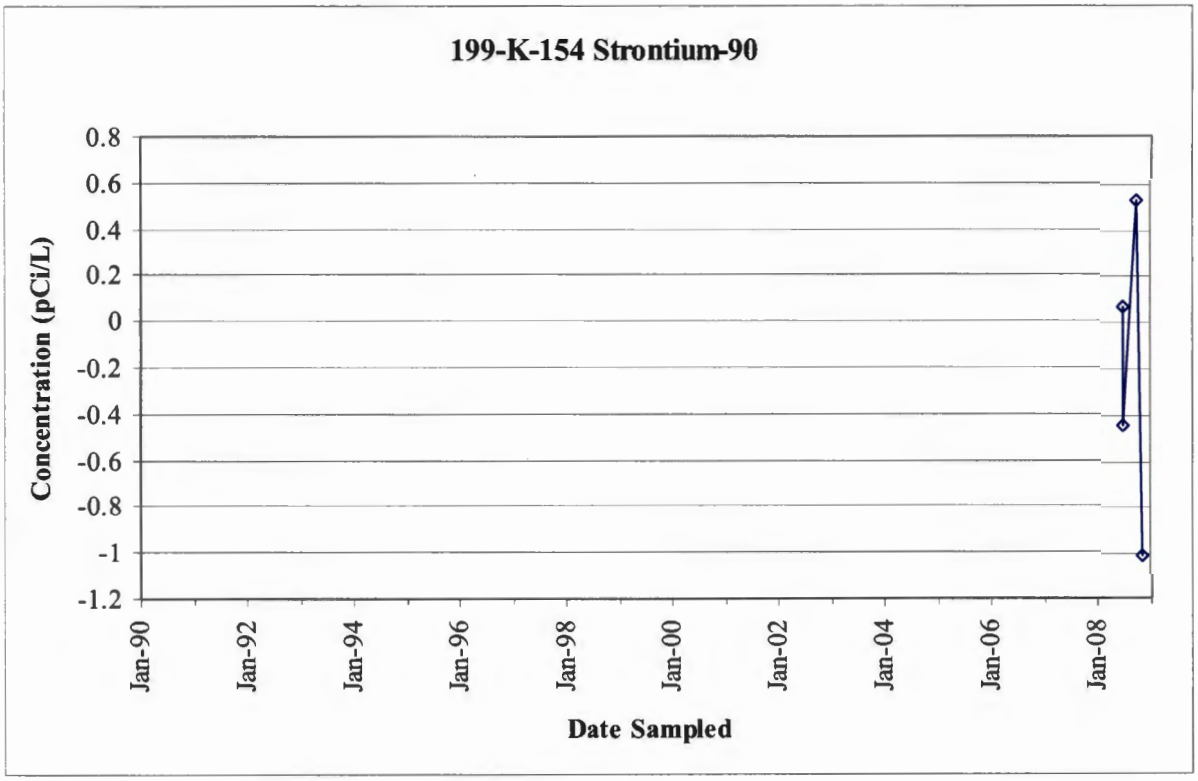

199-K-140 Strontium-90
Concentration (pCi/L)
2
1
0
-1
-2
-3
-4
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

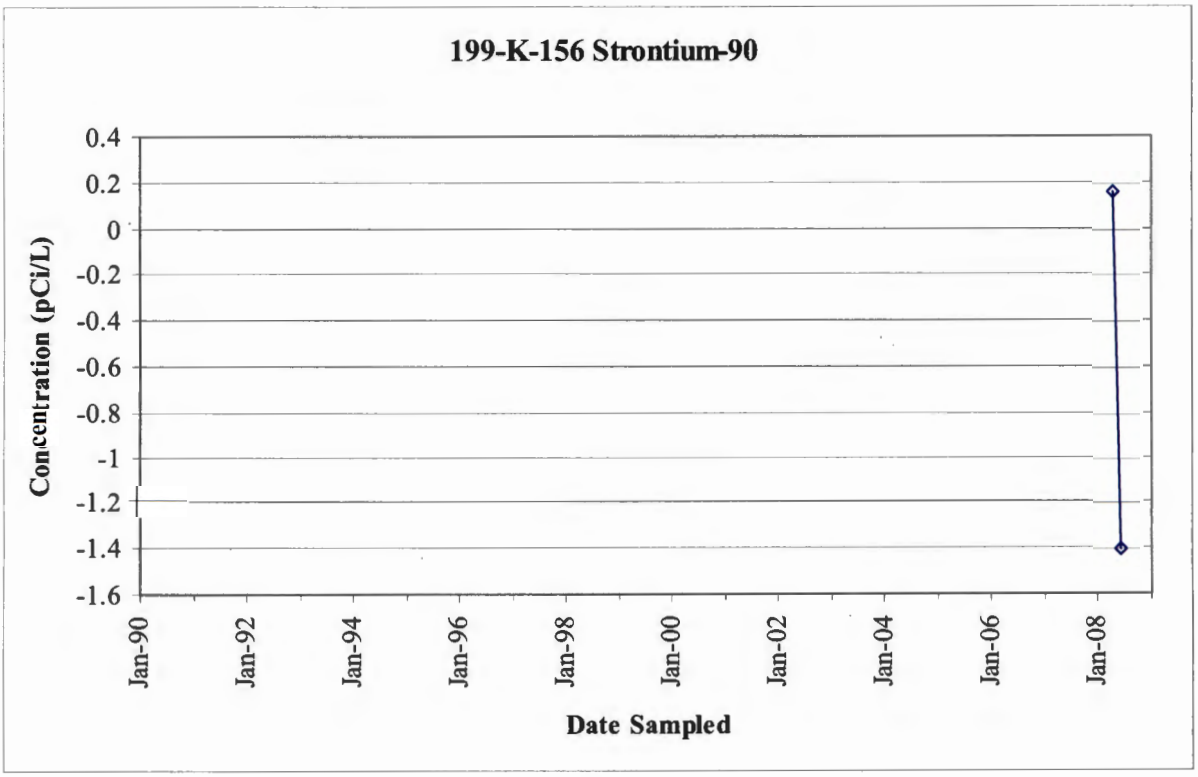

199-K-141 Strontium-90
Concentration (pCi/L)
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

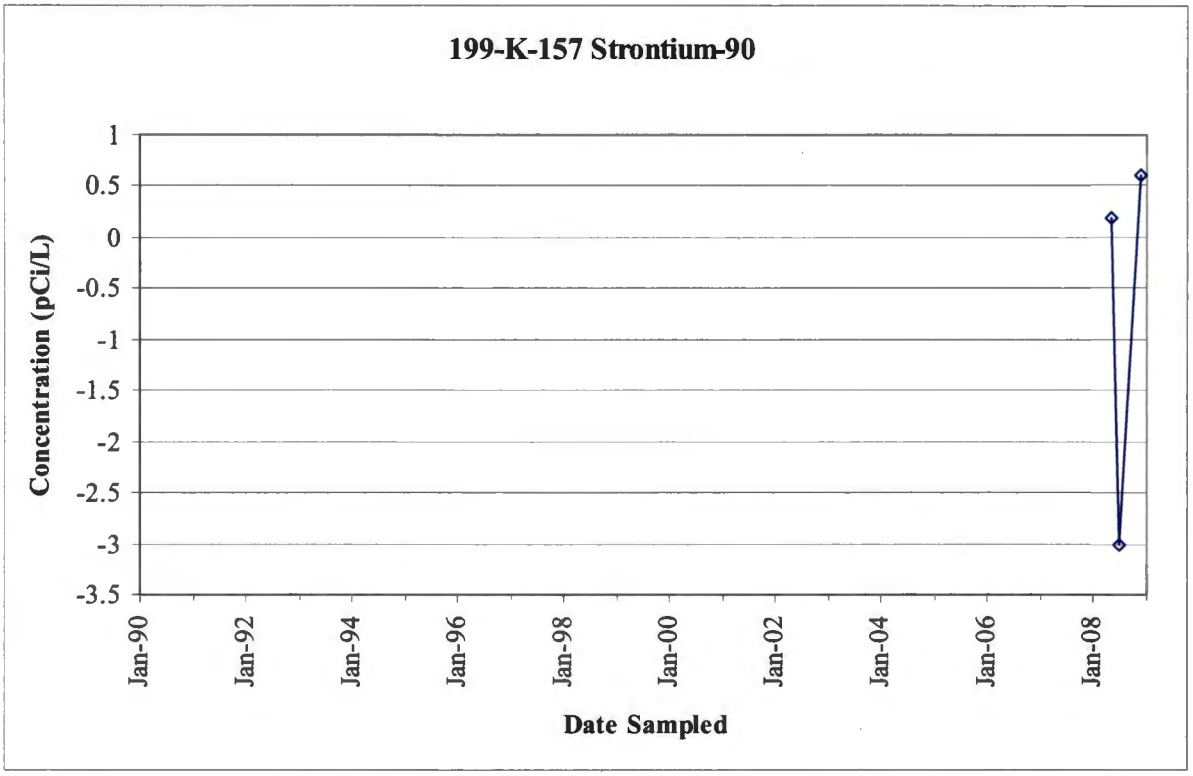

199-K-142 Strontium-90
Concentration (pCi/L)
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

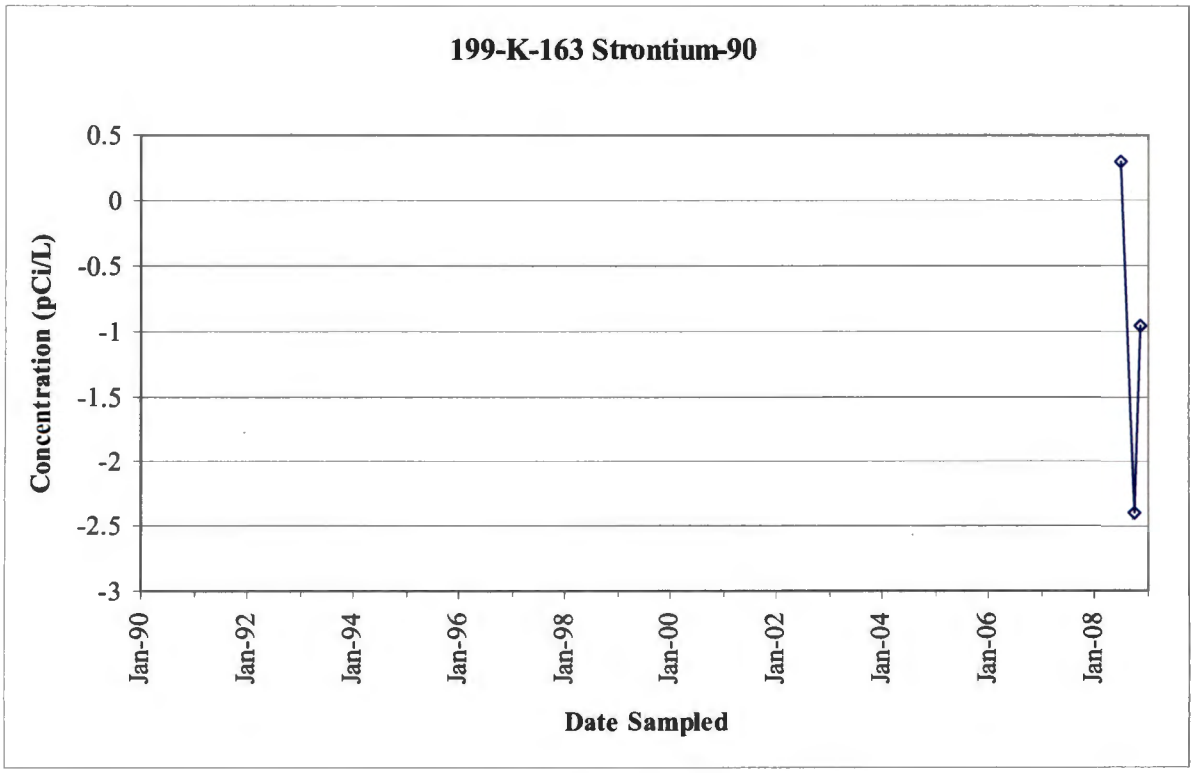

199-K-152 Strontium-90
Concentration (pCi/L)
4
3
2
1
0
-1
-2
-3
-4
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

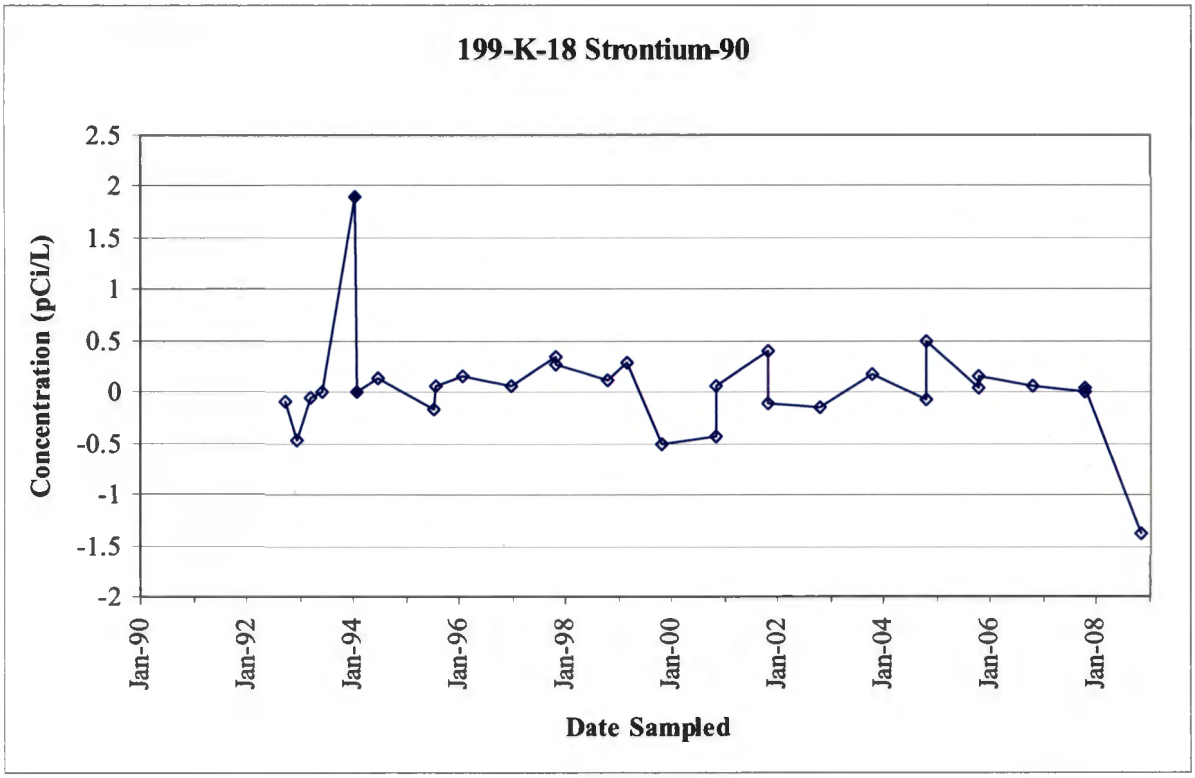

199-K-153 Strontium-90
Concentration (pCi/L)
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

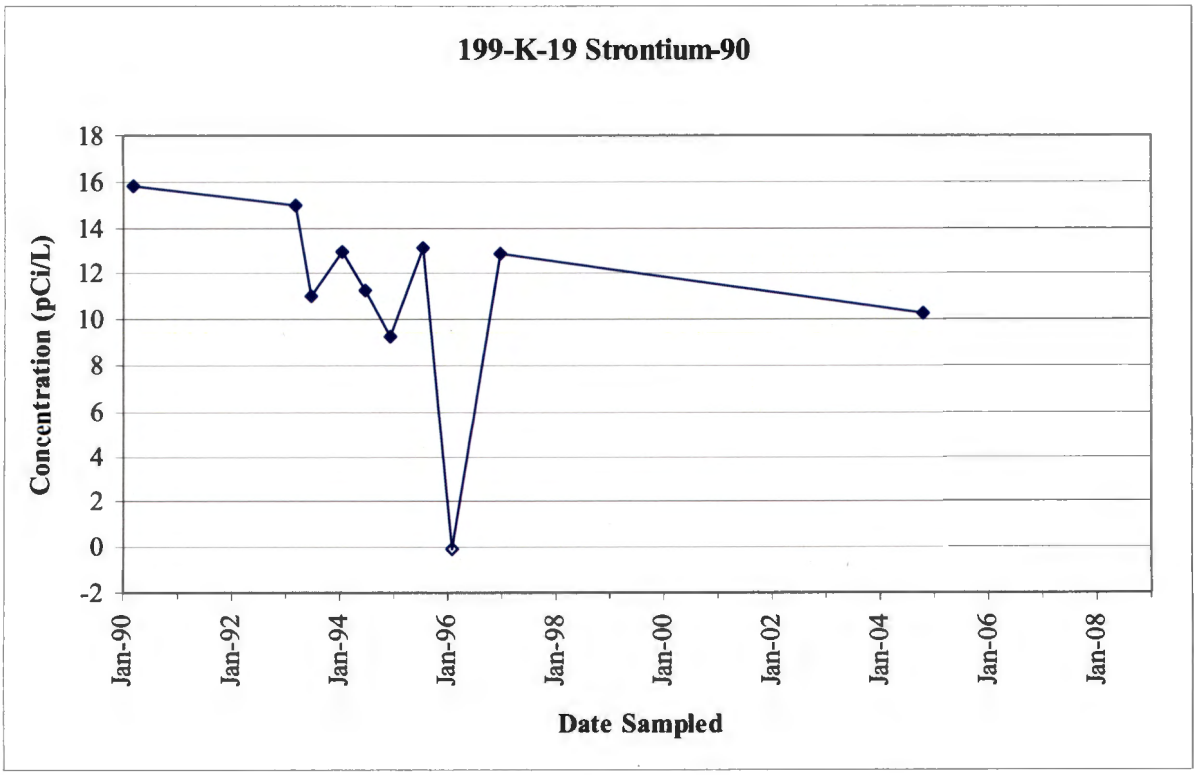

199-K-154 Strontium-90
Concentration (pCi/L)
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

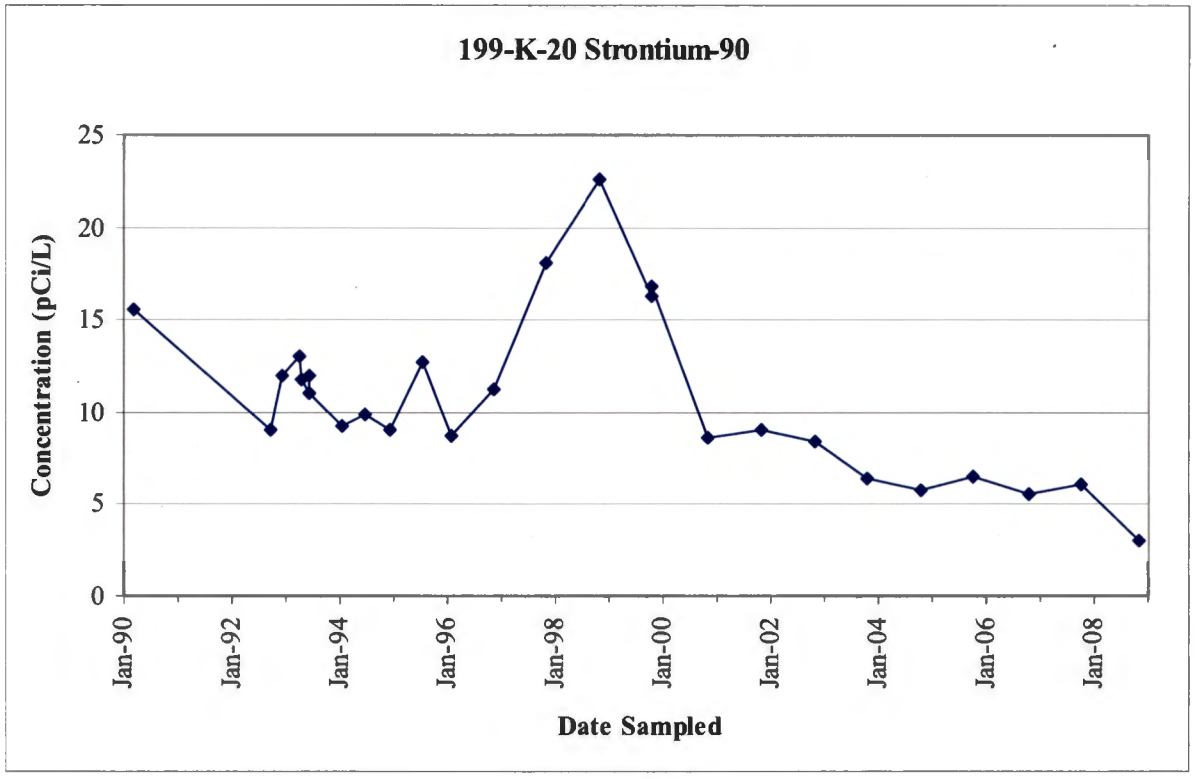

199-K-156 Strontium-90
Concentration (pCi/L)
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

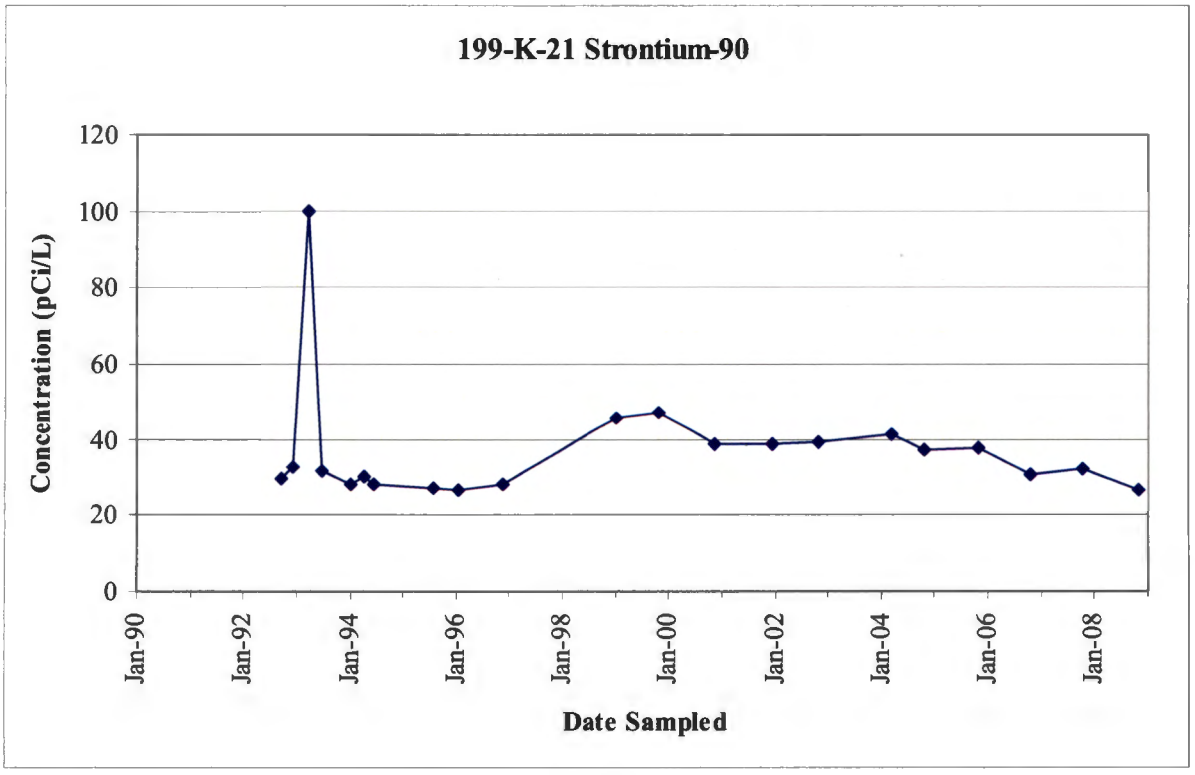

199-K-157 Strontium-90
Concentration (pCi/L)
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

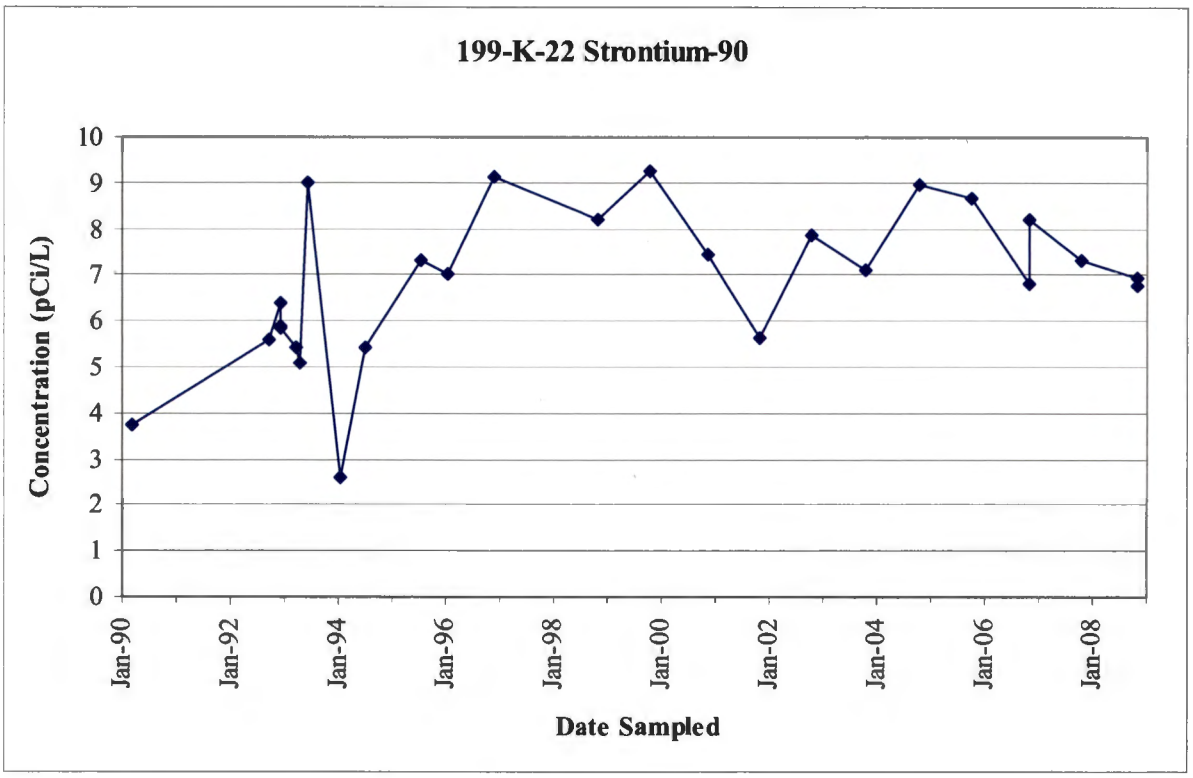

199-K-163 Strontium-90
Concentration (pCi/L)
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

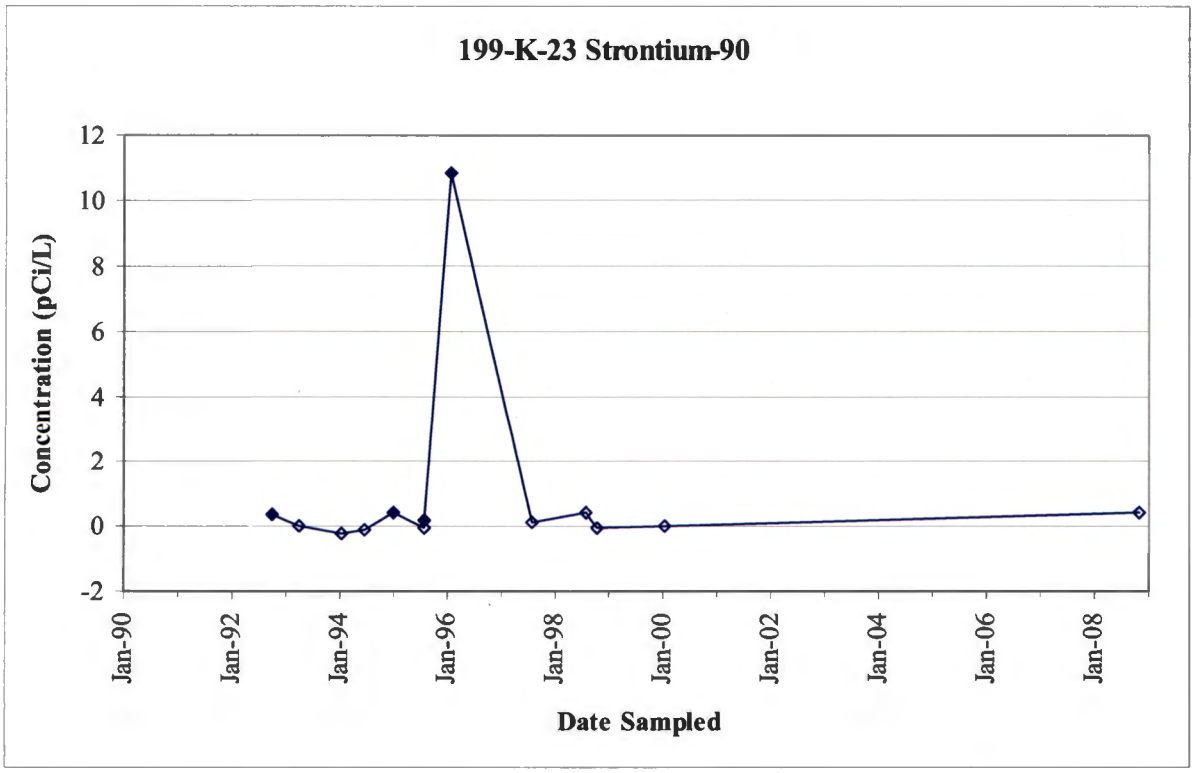

199-K-18 Strontium-90
Concentration (pCi/L)
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

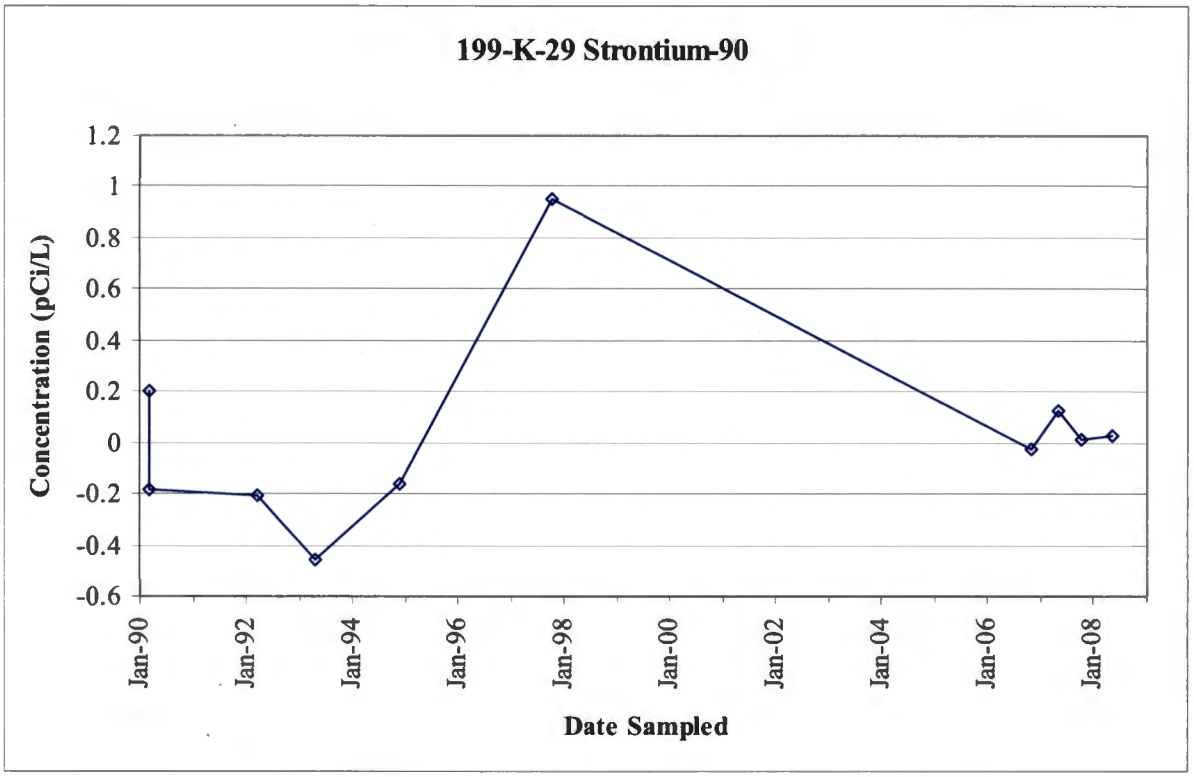

199-K-19 Strontium-90
Concentration (pCi/L)
18
16
14
12
10
8
6
4
2
0
-2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

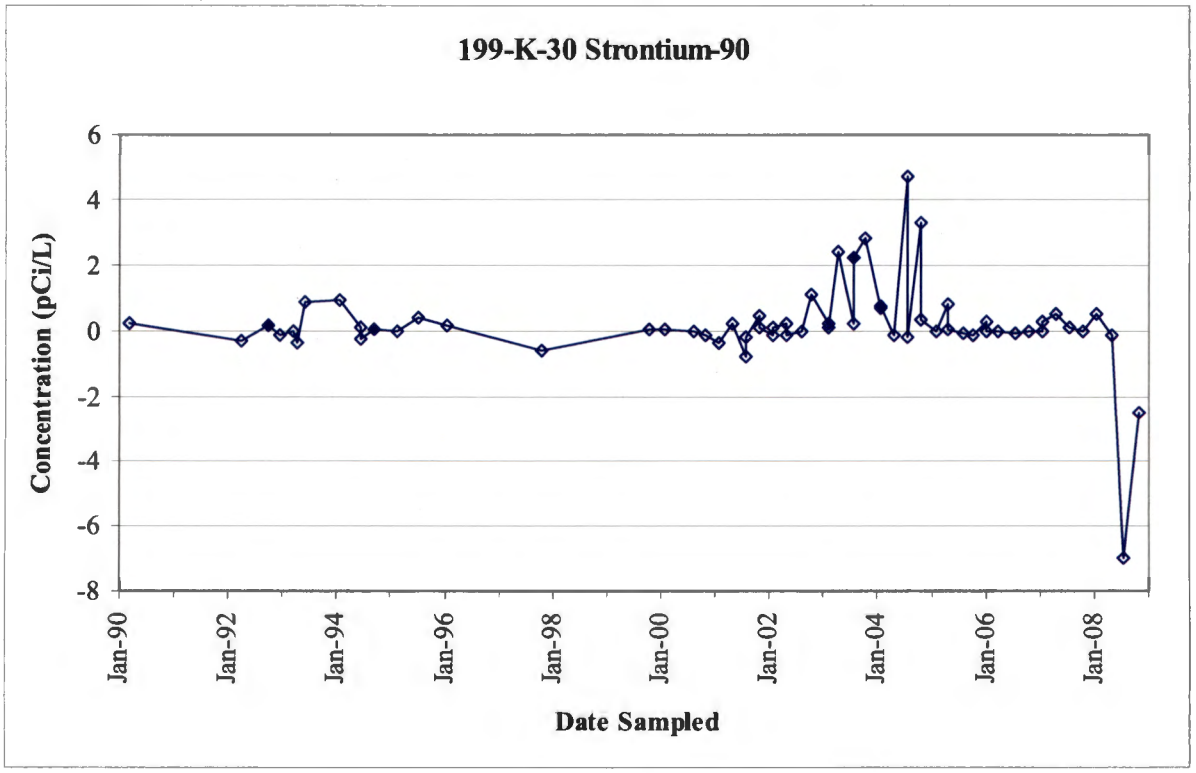

199-K-20 Strontium-90
Concentration (pCi/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

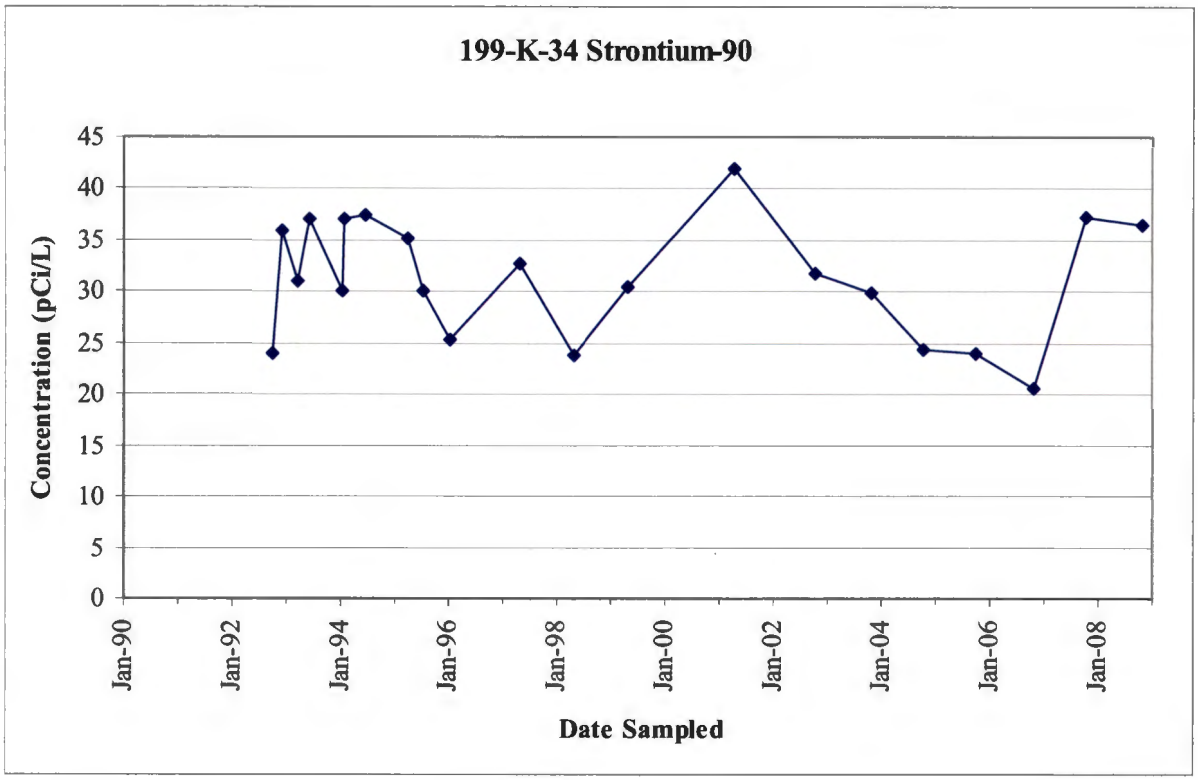

199-K-21 Strontium-90
Concentration (pCi/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

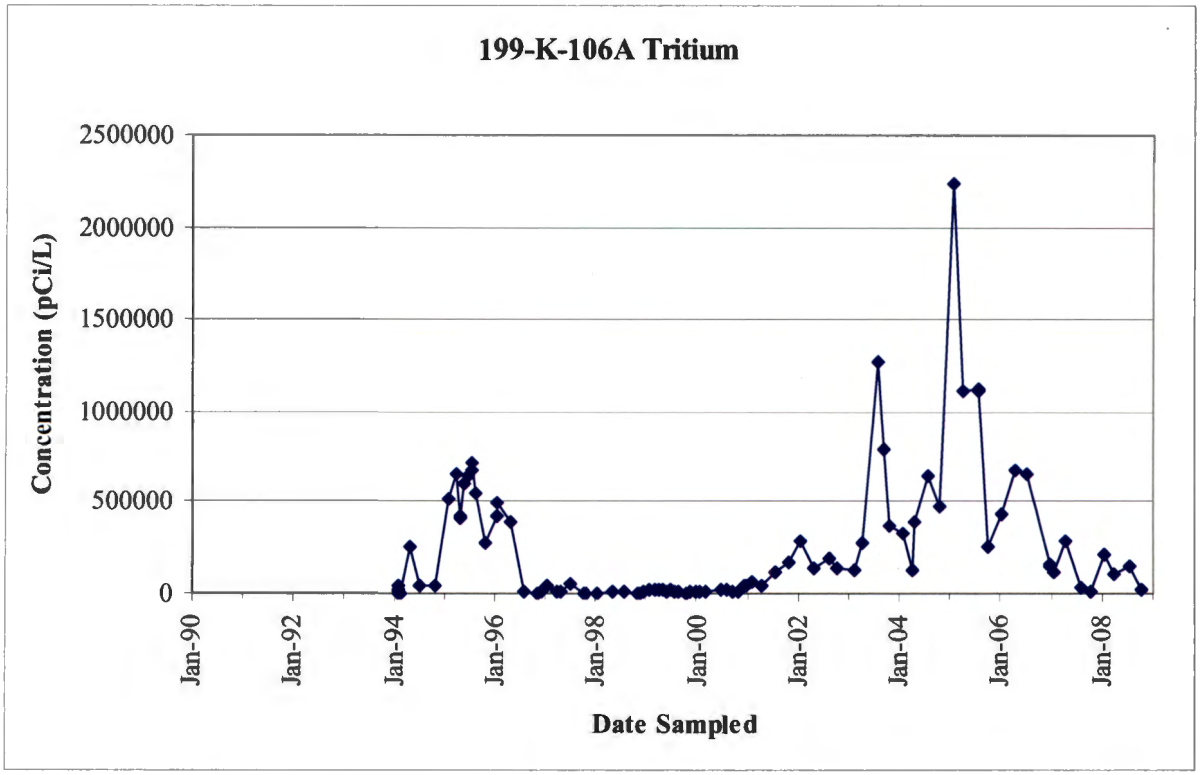

199-K-22 Strontium-90
Concentration (pCi/L)
10
9
8
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

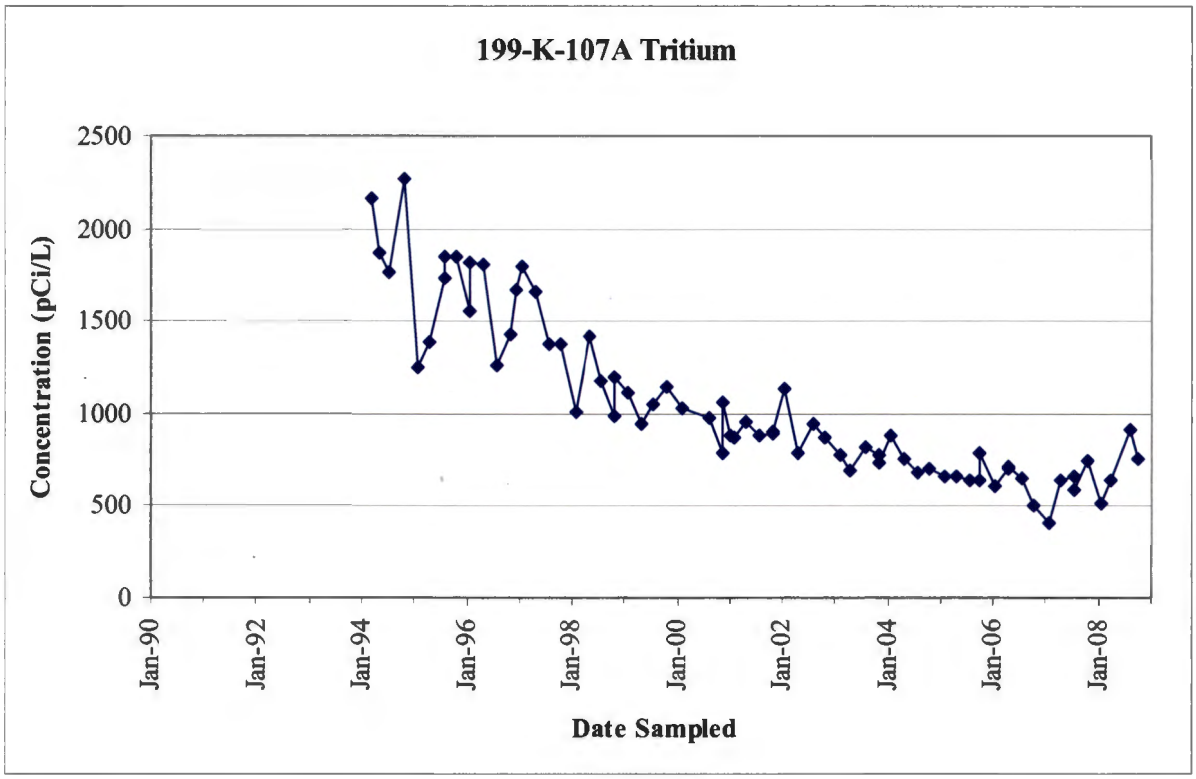

199-K-23 Strontium-90
Concentration (pCi/L)
12
10
8
6
4
2
0
-2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

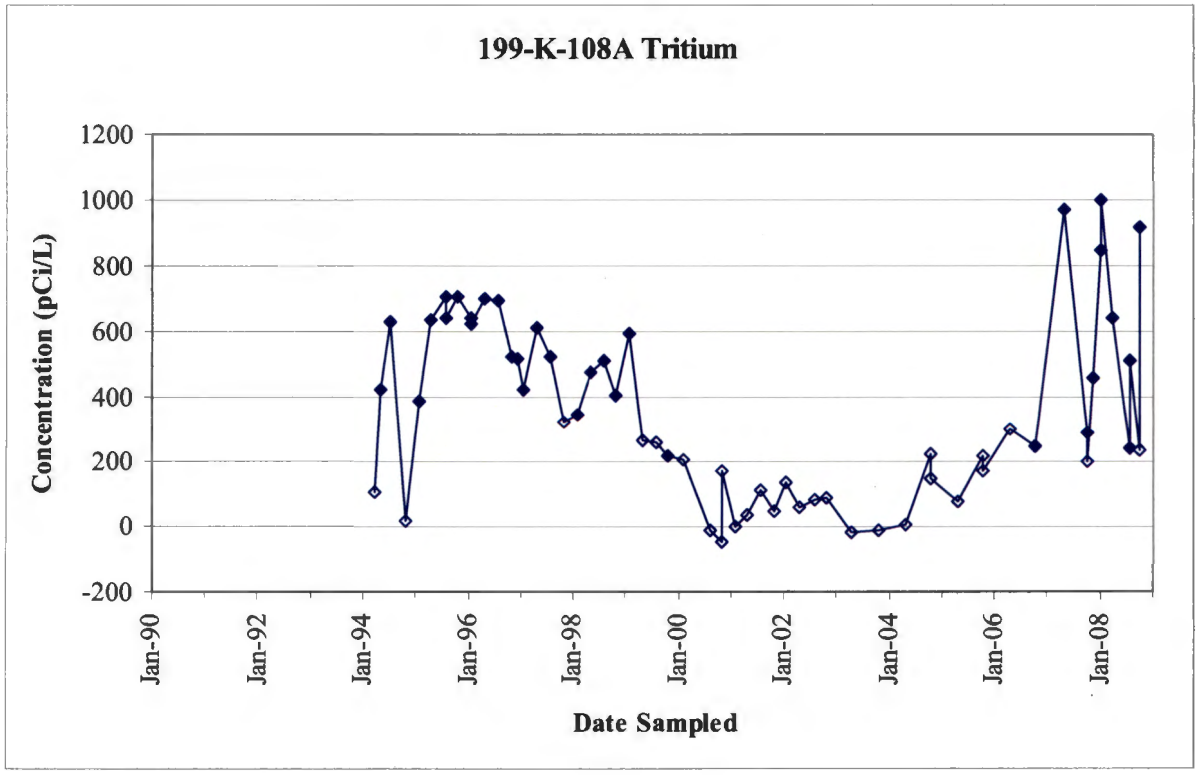

199-K-29 Strontium-90
Concentration (pCi/L)
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

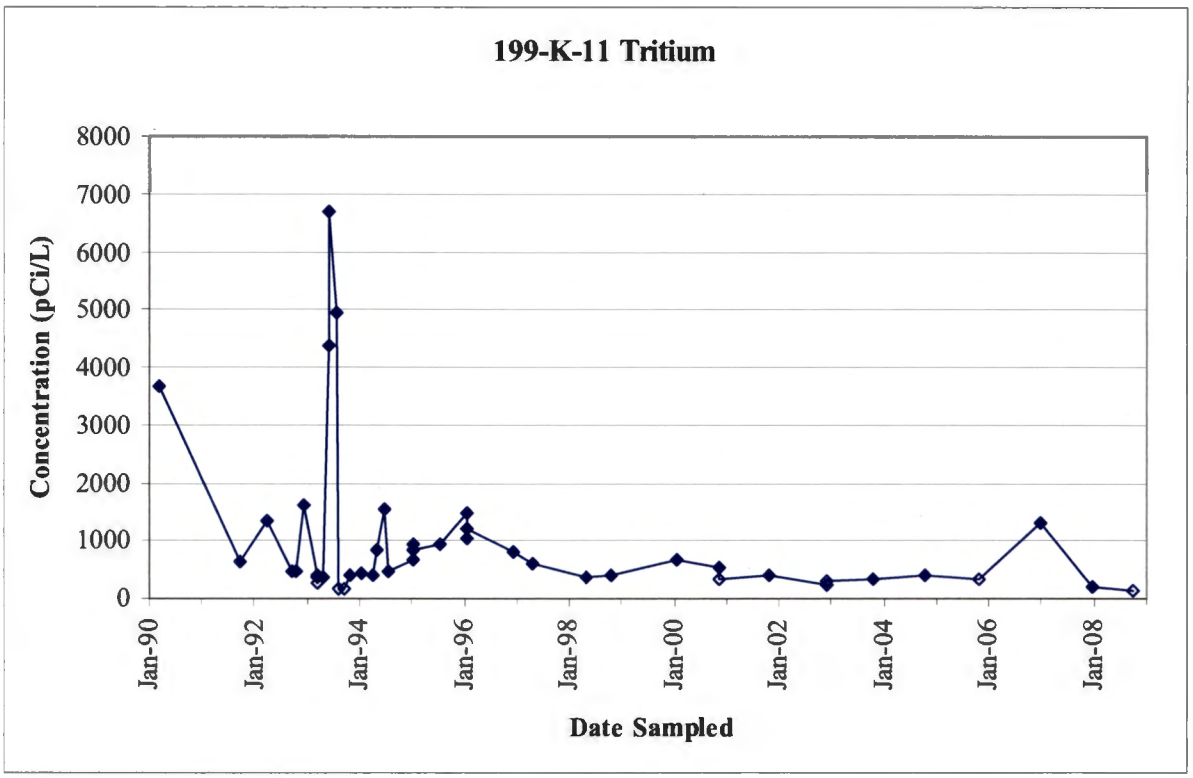

199-K-30 Strontium-90
Concentration (pCi/L)
6
4
2
0
-2
-4
-6
-8
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

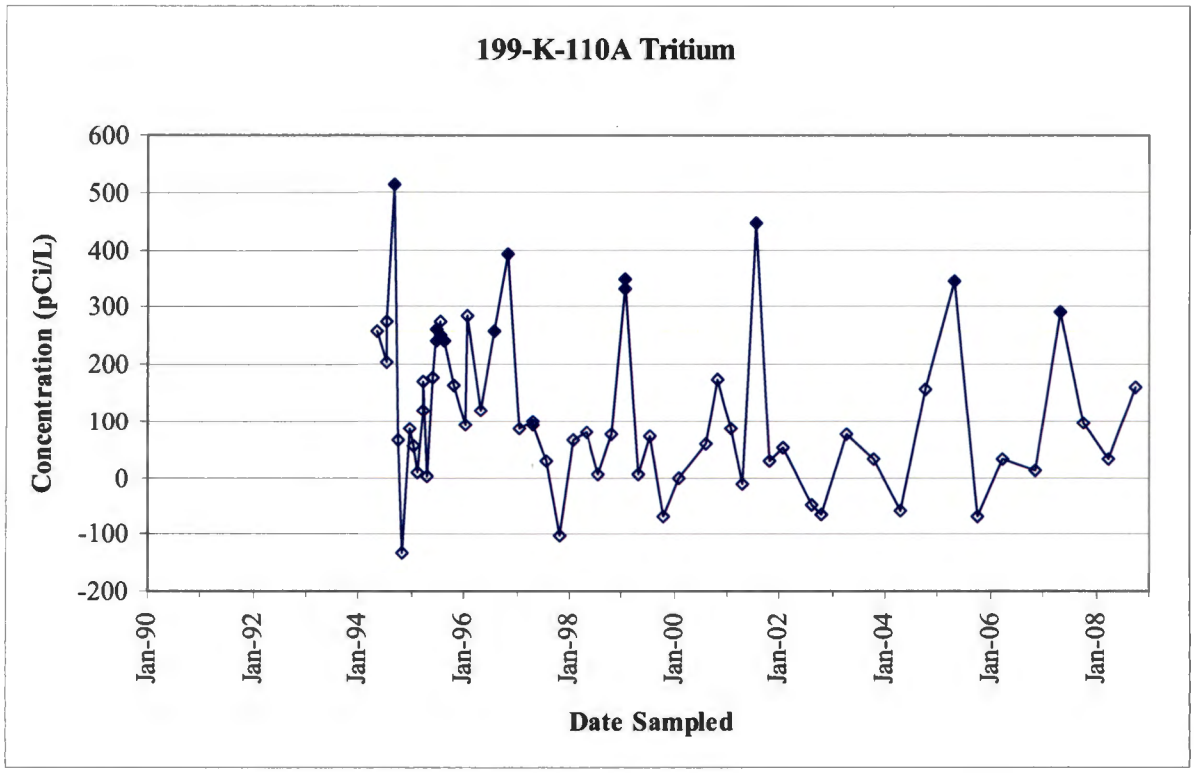

199-K-34 Strontium-90
Concentration (pCi/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

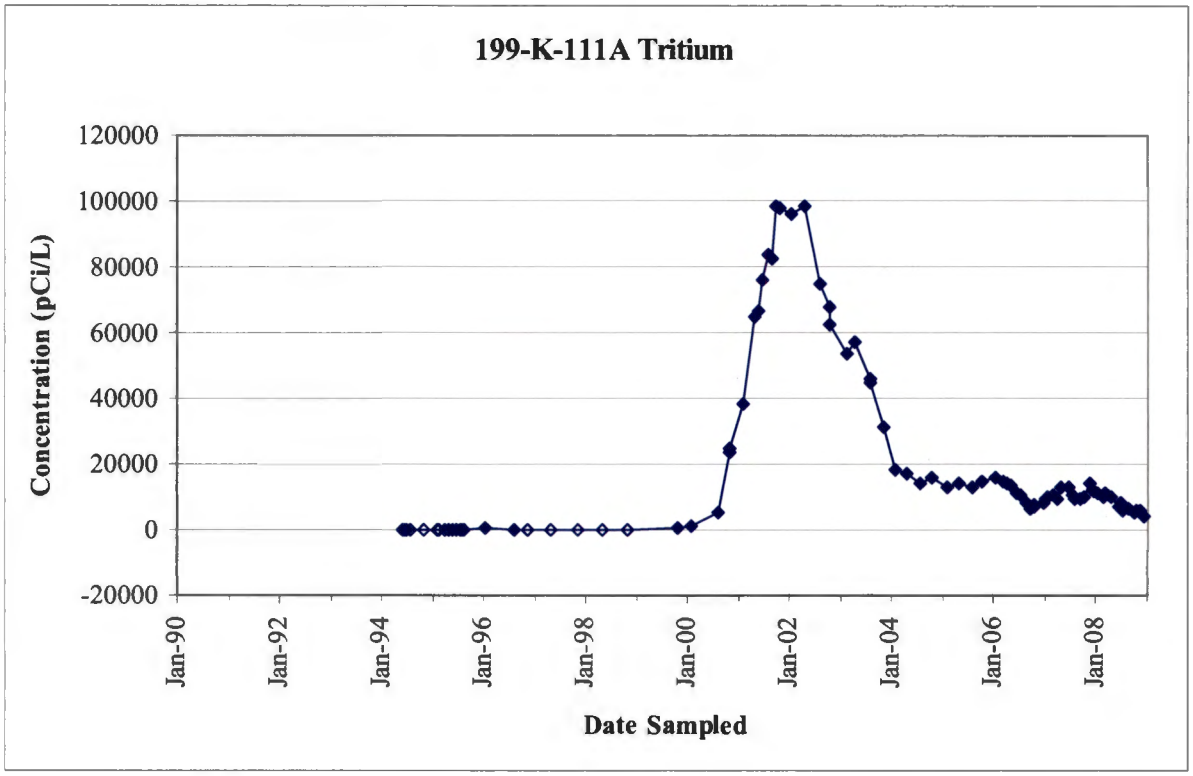

199-K-106A Tritium
Concentration (pCi/L)
2500000
2000000
1500000
1000000
500000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

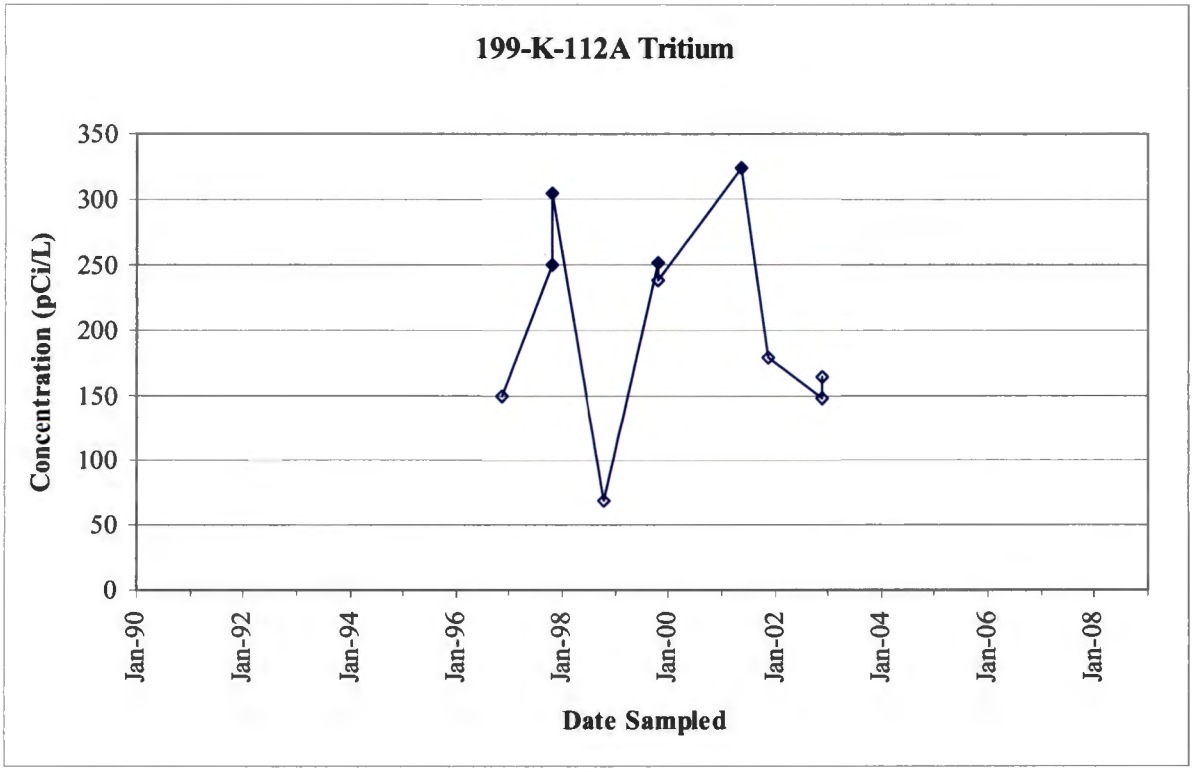

199-K-107A Tritium
Concentration (pCi/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

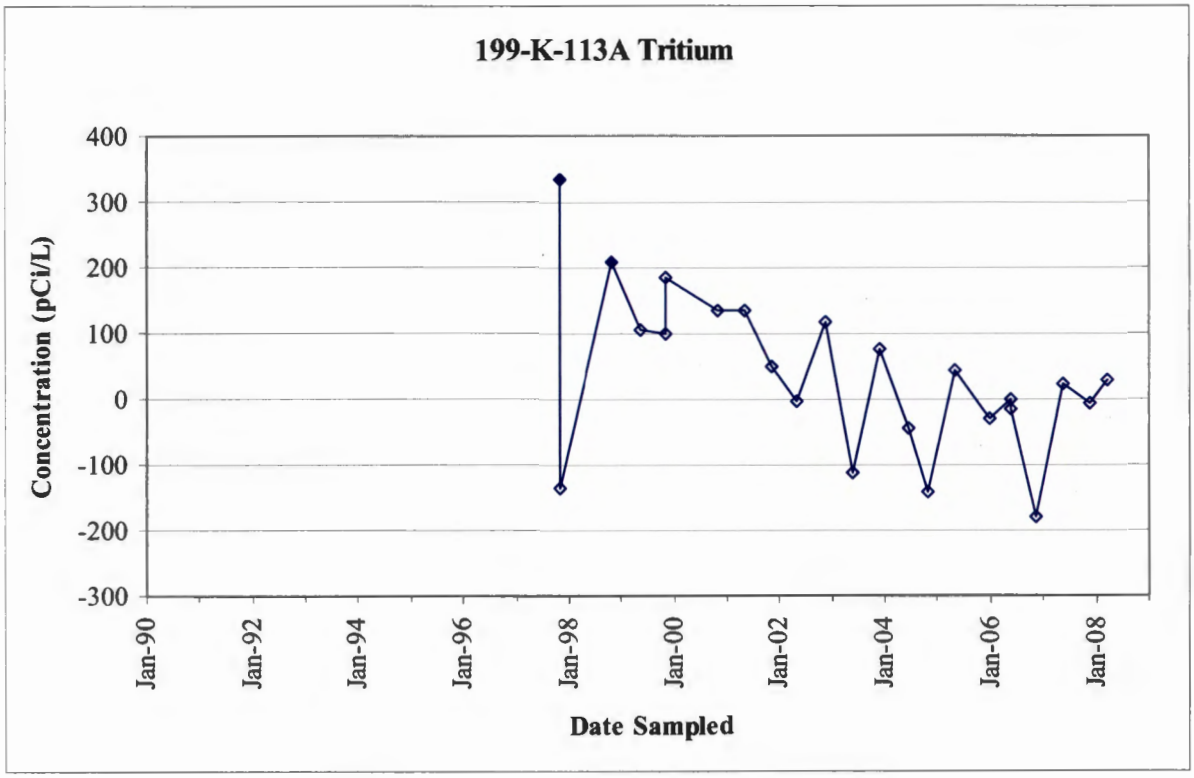

199-K-108A Tritium
Concentration (pCi/L)
1200
1000
800
600
400
200
0
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

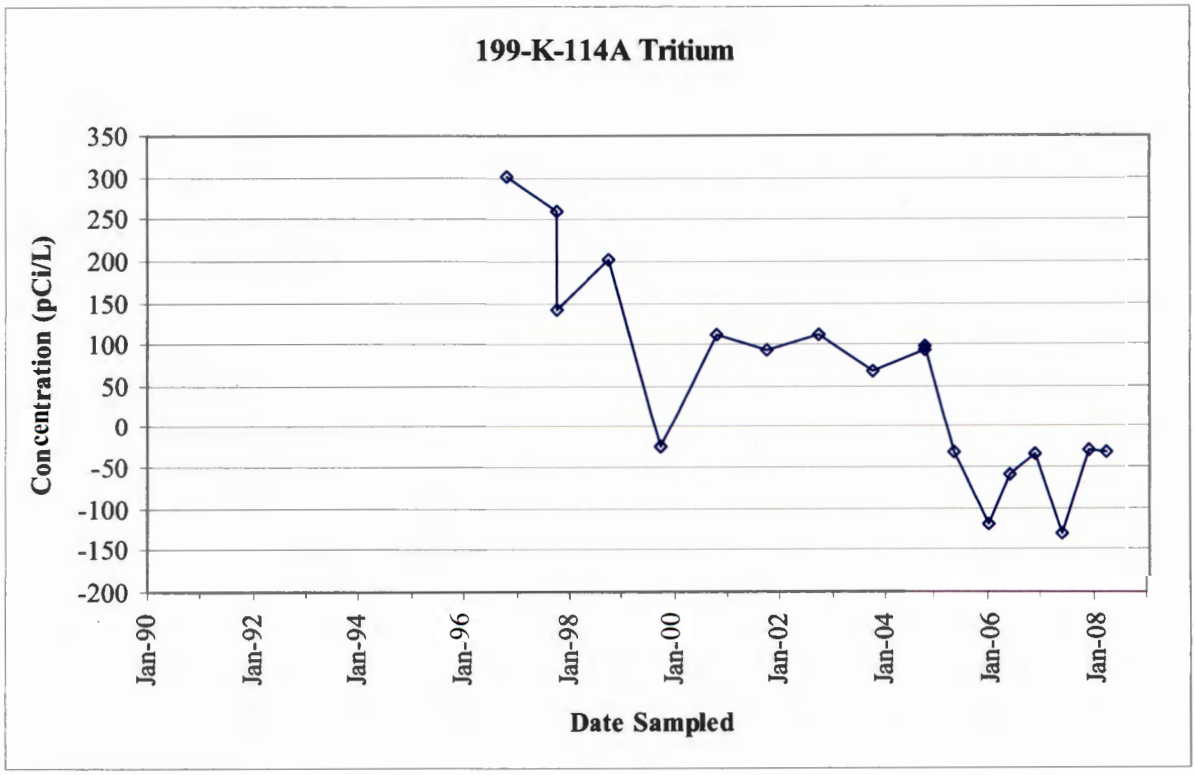

199-K-11 Tritium
Concentration (pCi/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

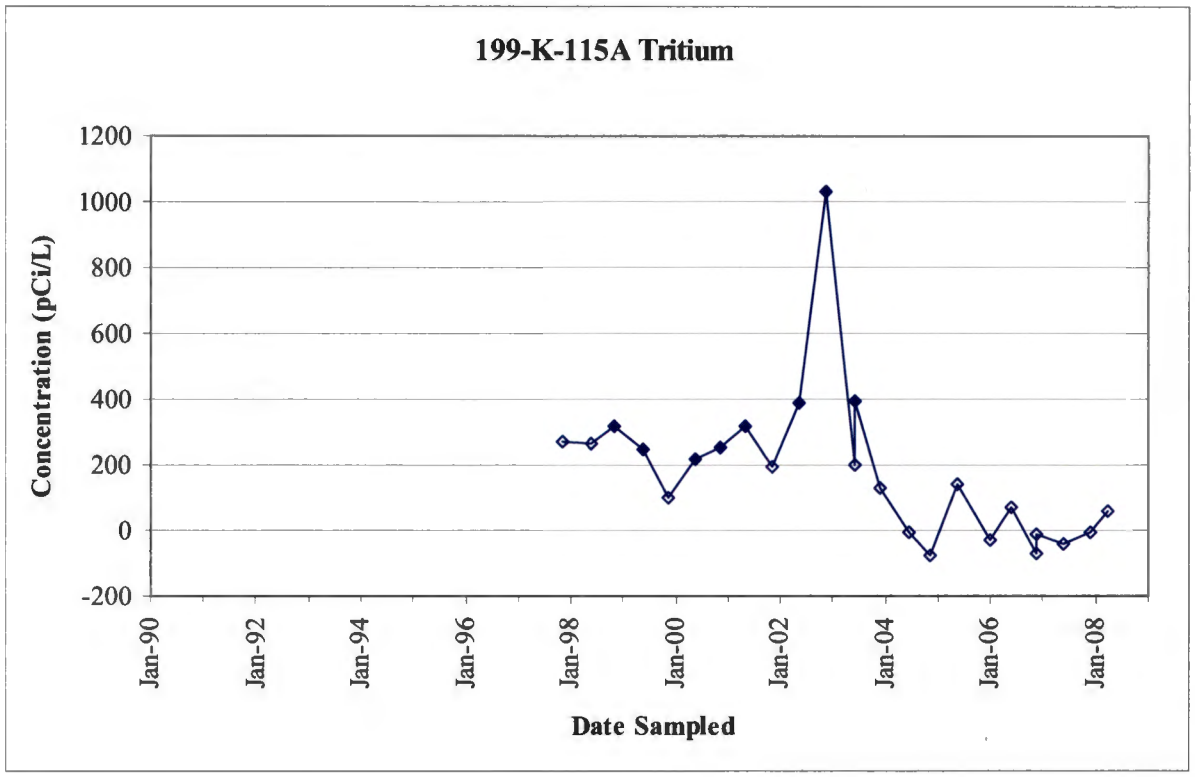

199-K-110A Tritium
Concentration (pCi/L)
600
500
400
300
200
100
0
-100
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

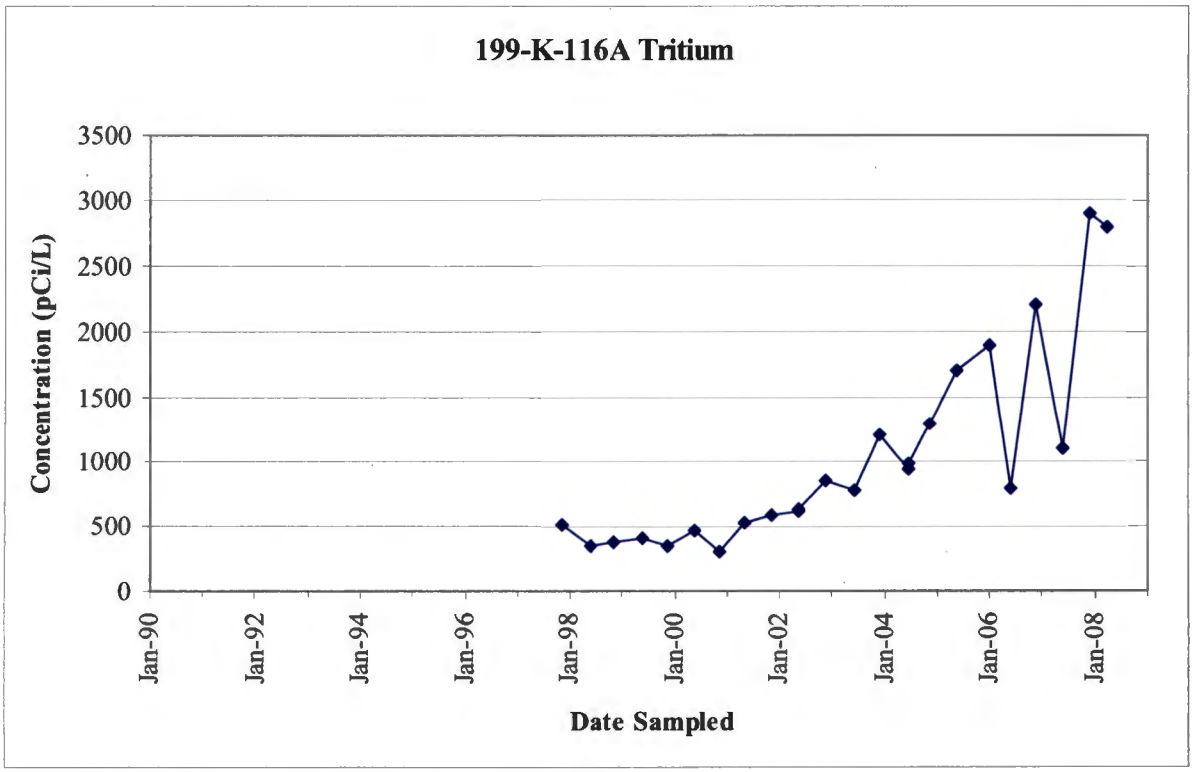

199-K-111A Tritium
Concentration (pCi/L)
120000
100000
80000
60000
40000
20000
0
-20000
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

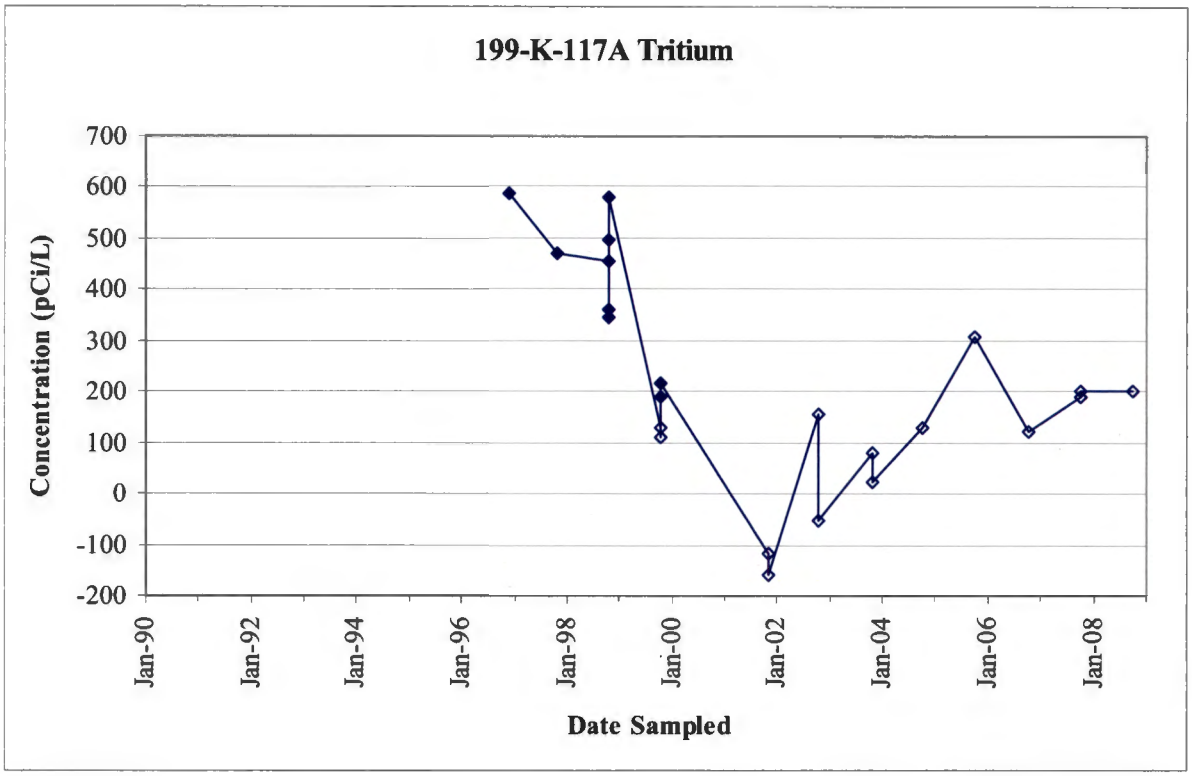

199-K-112A Tritium
Concentration (pCi/L)
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

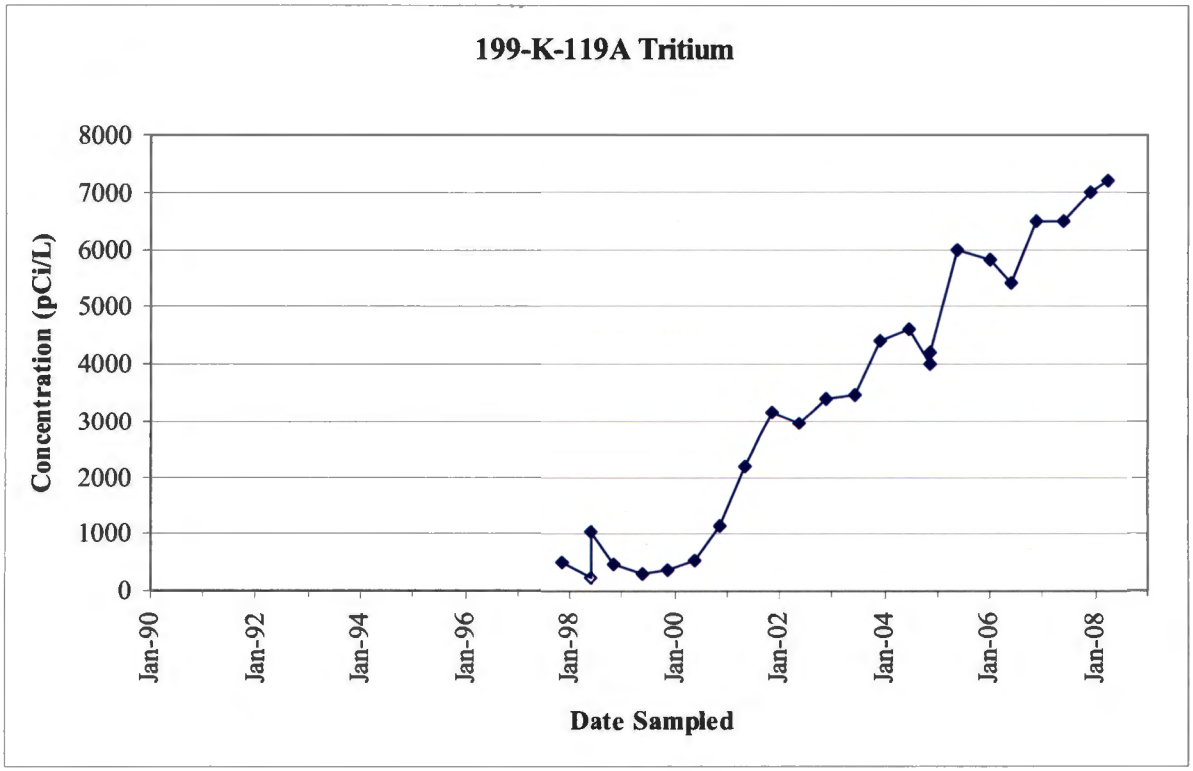

199-K-113A Tritium
Concentration (pCi/L)
400
300
200
100
0
-100
-200
-300
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

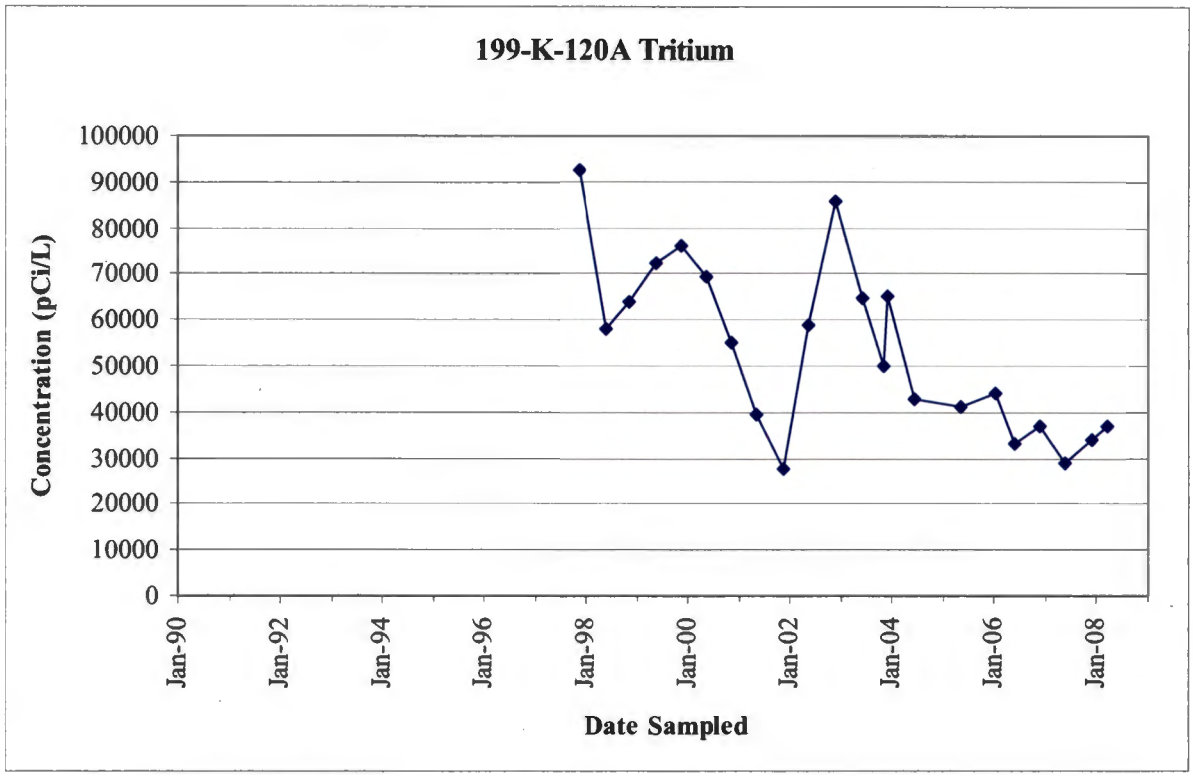

199-K-114A Tritium
Concentration (pCi/L)
350
300
250
200
150
100
50
0
-50
-100
-150
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

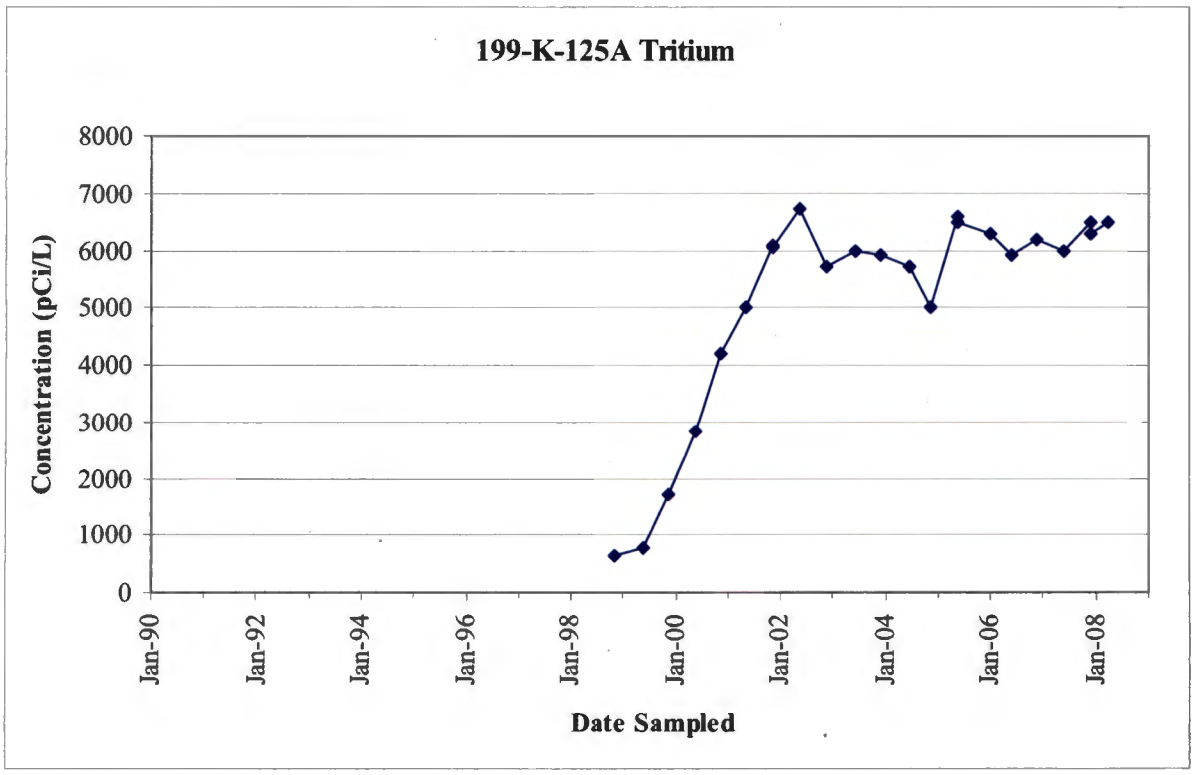

199-K-115A Tritium
Concentration (pCi/L)
1200
1000
800
600
400
200
0
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

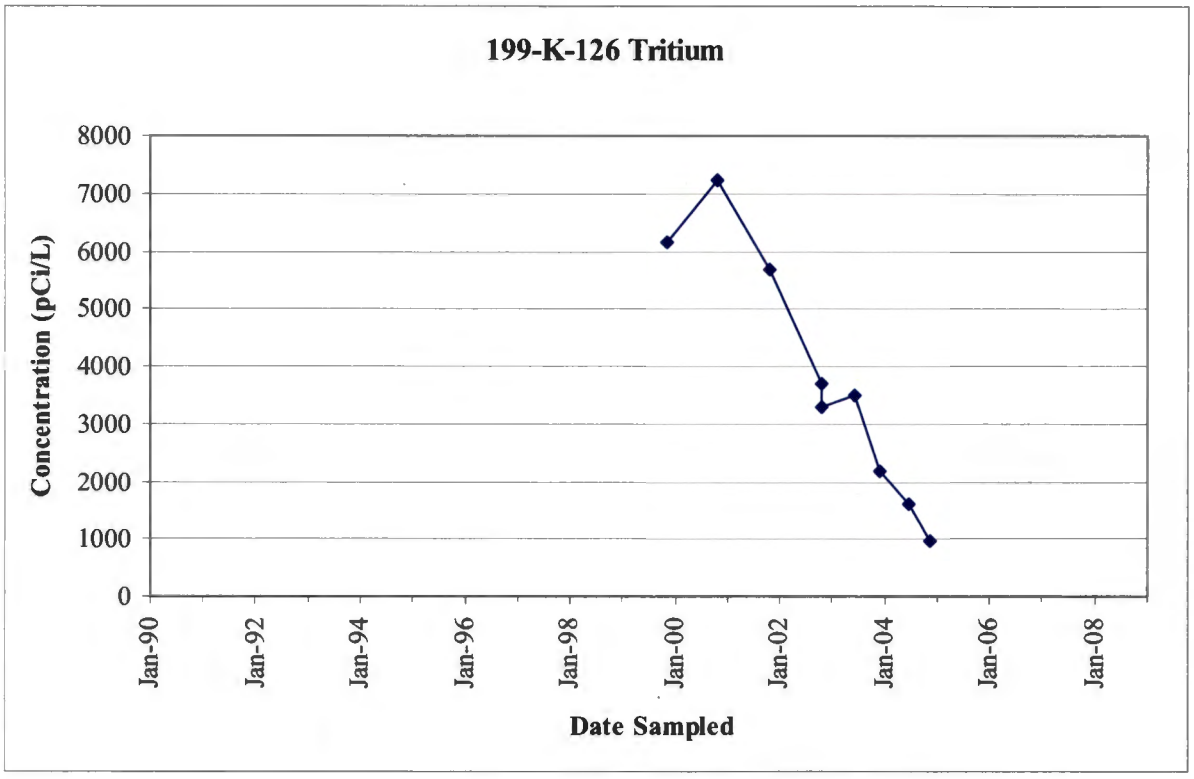

199-K-116A Tritium
Concentration (pCi/L)
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

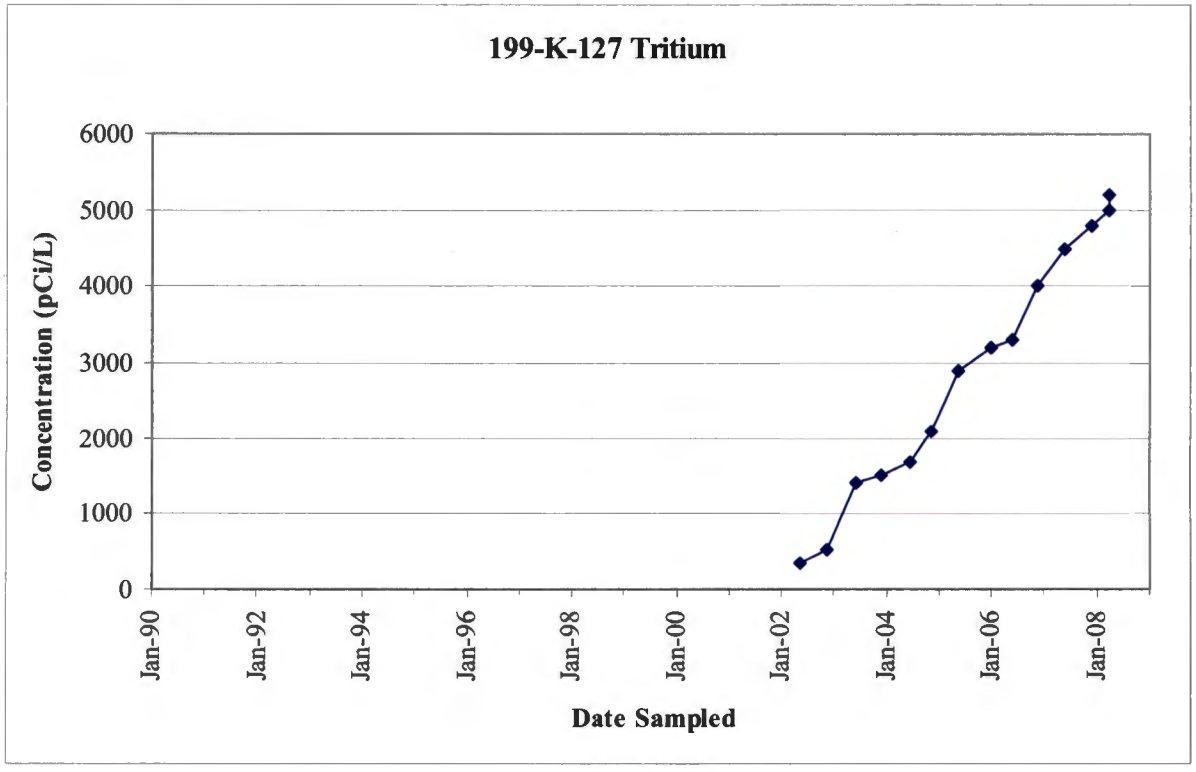

199-K-117A Tritium
Concentration (pCi/L)
700
600
500
400
300
200
100
0
-100
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

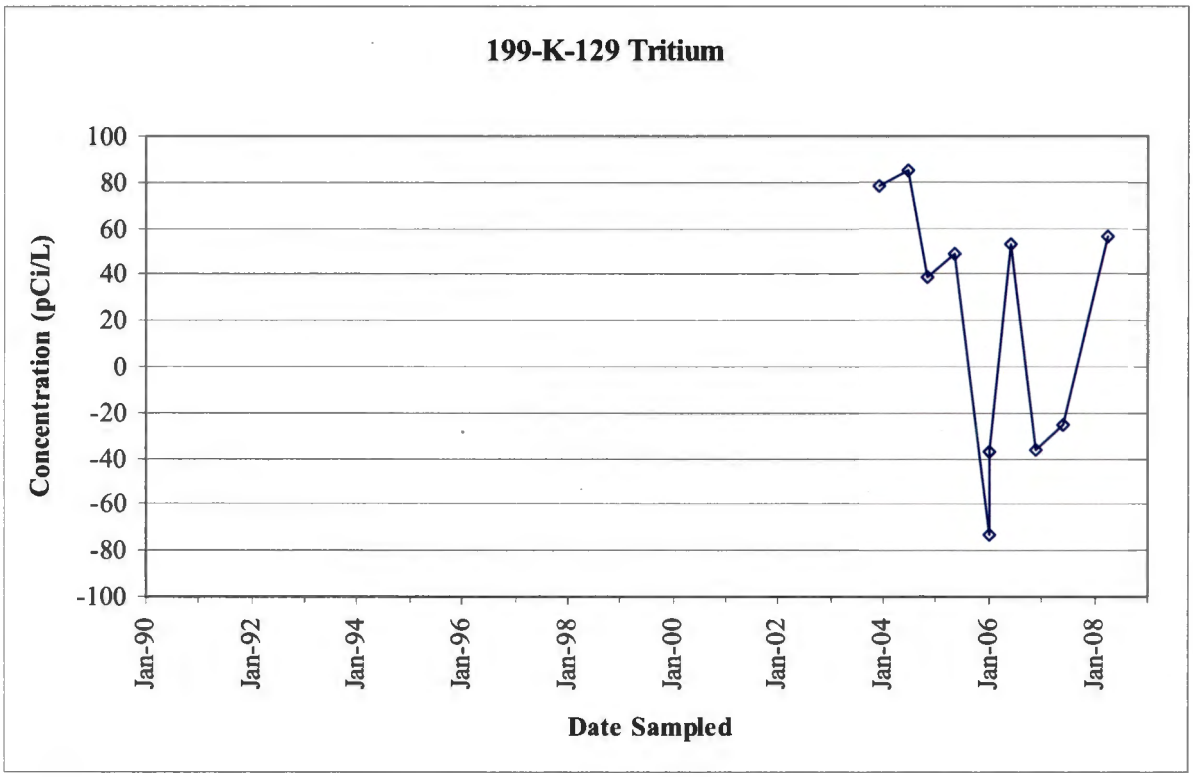

199-K-119A Tritium
Concentration (pCi/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

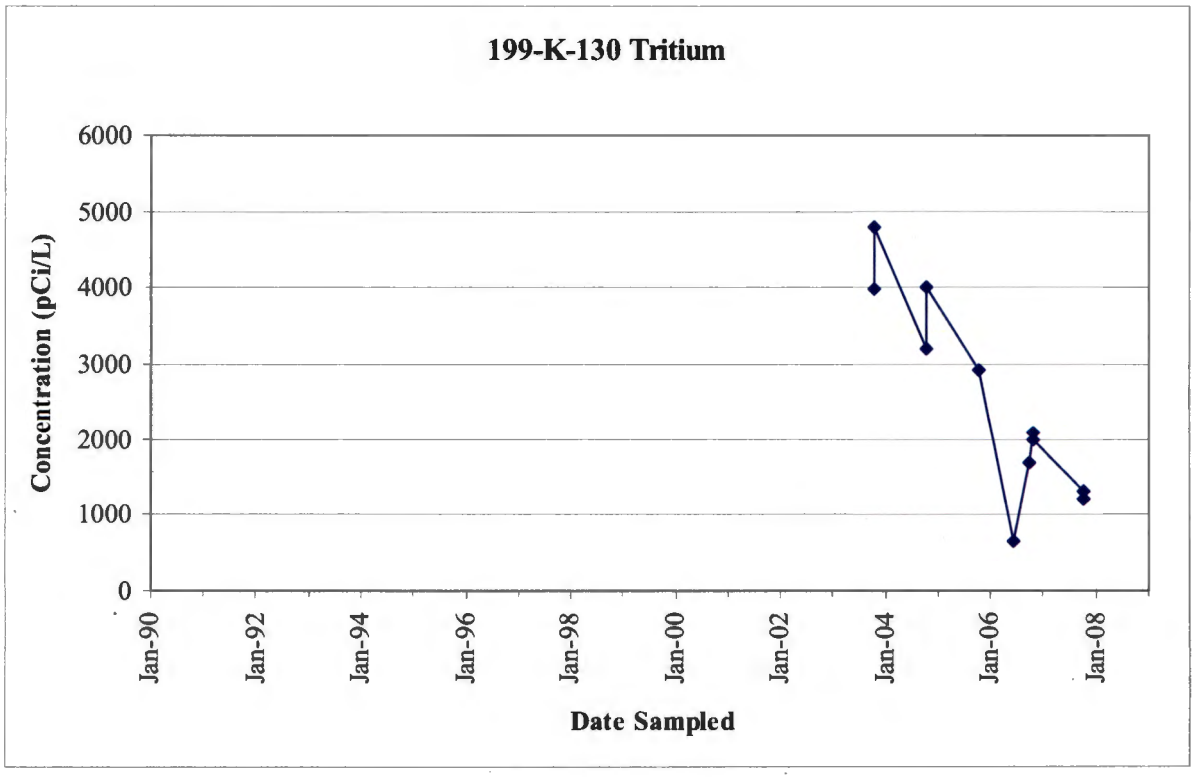

199-K-120A Tritium
Concentration (pCi/L)
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

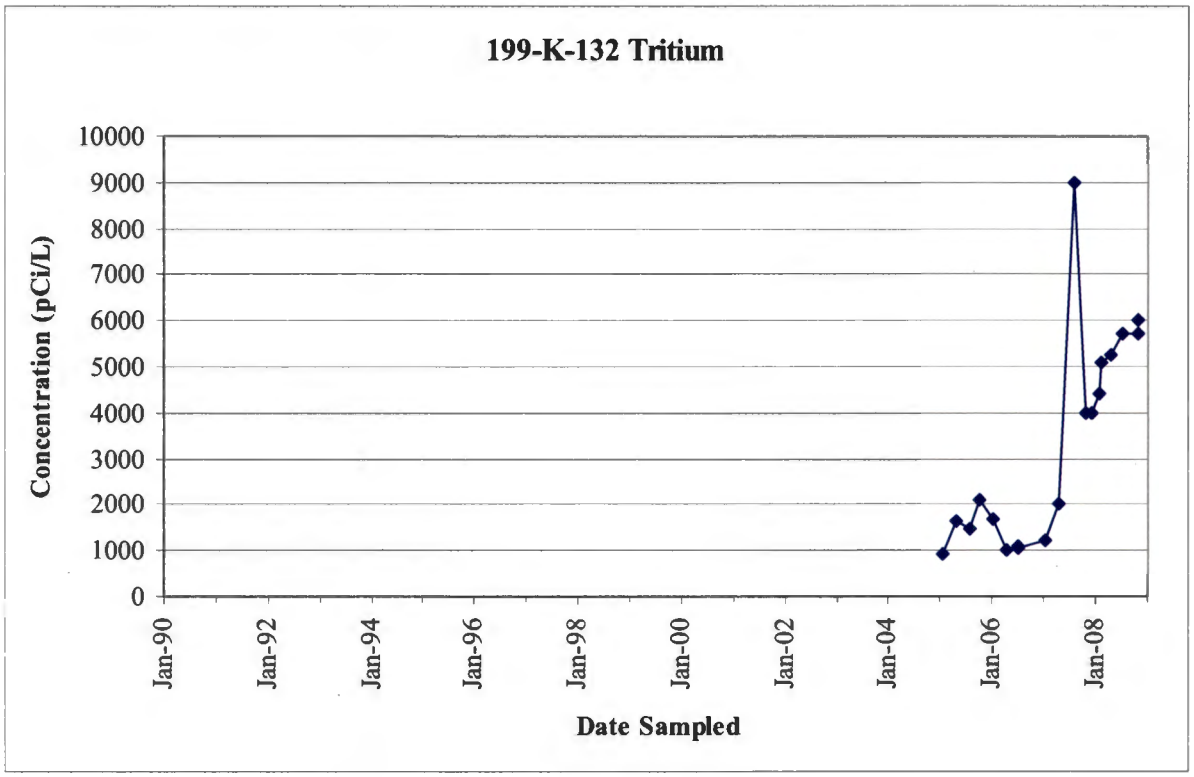

199-K-125A Tritium
Concentration (pCi/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

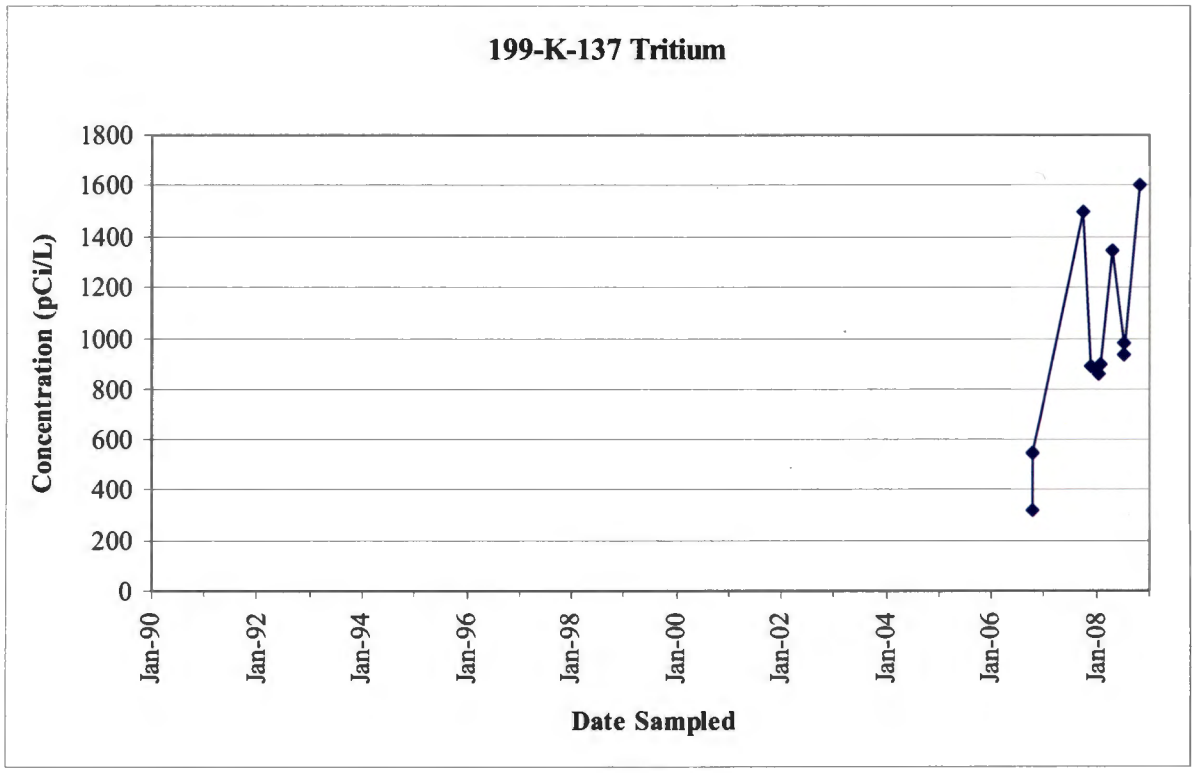

199-K-126 Tritium
Concentration (pCi/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

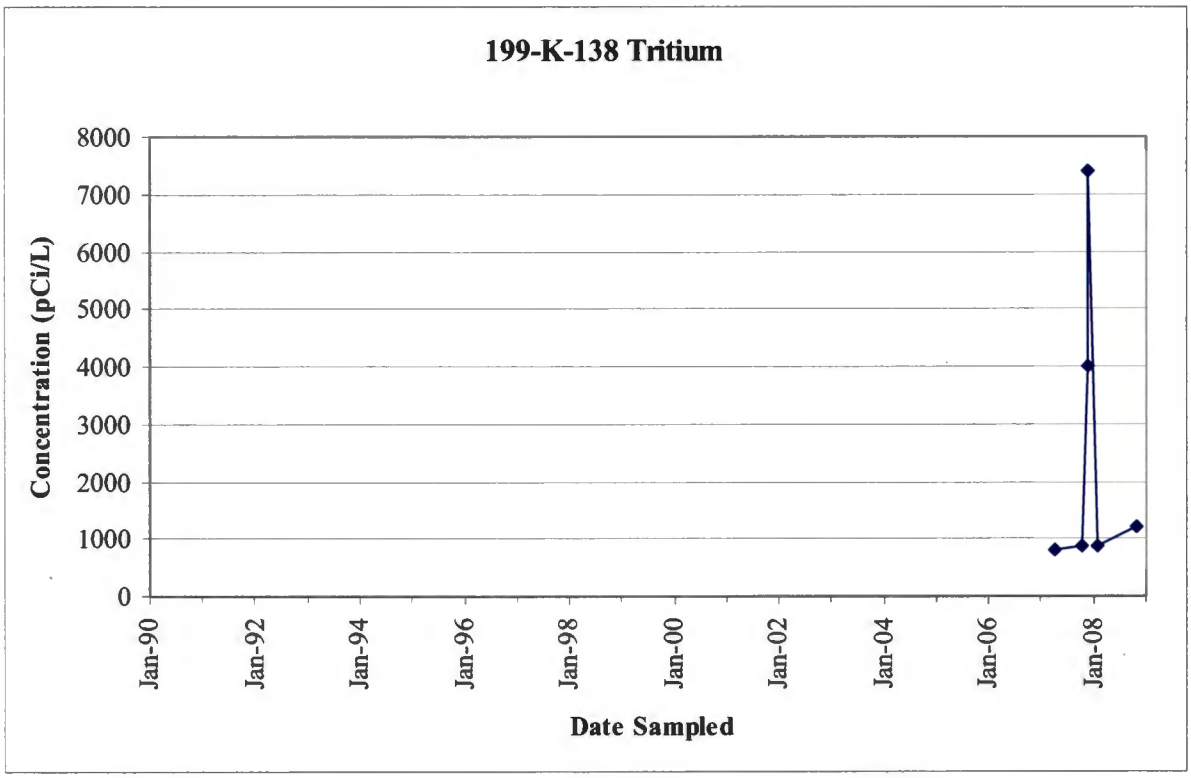

199-K-127 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

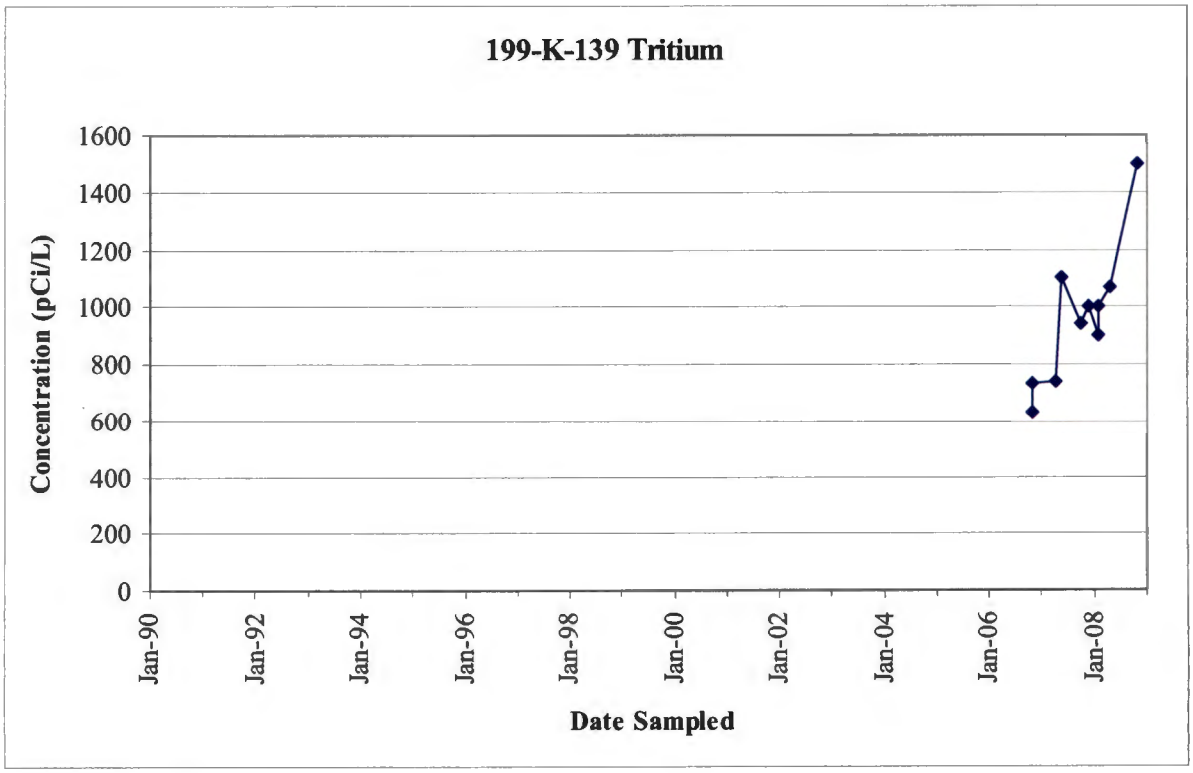

199-K-129 Tritium
Concentration (pCi/L)
100
80
60
40
20
0
-20
-40
-60
-80
-100
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

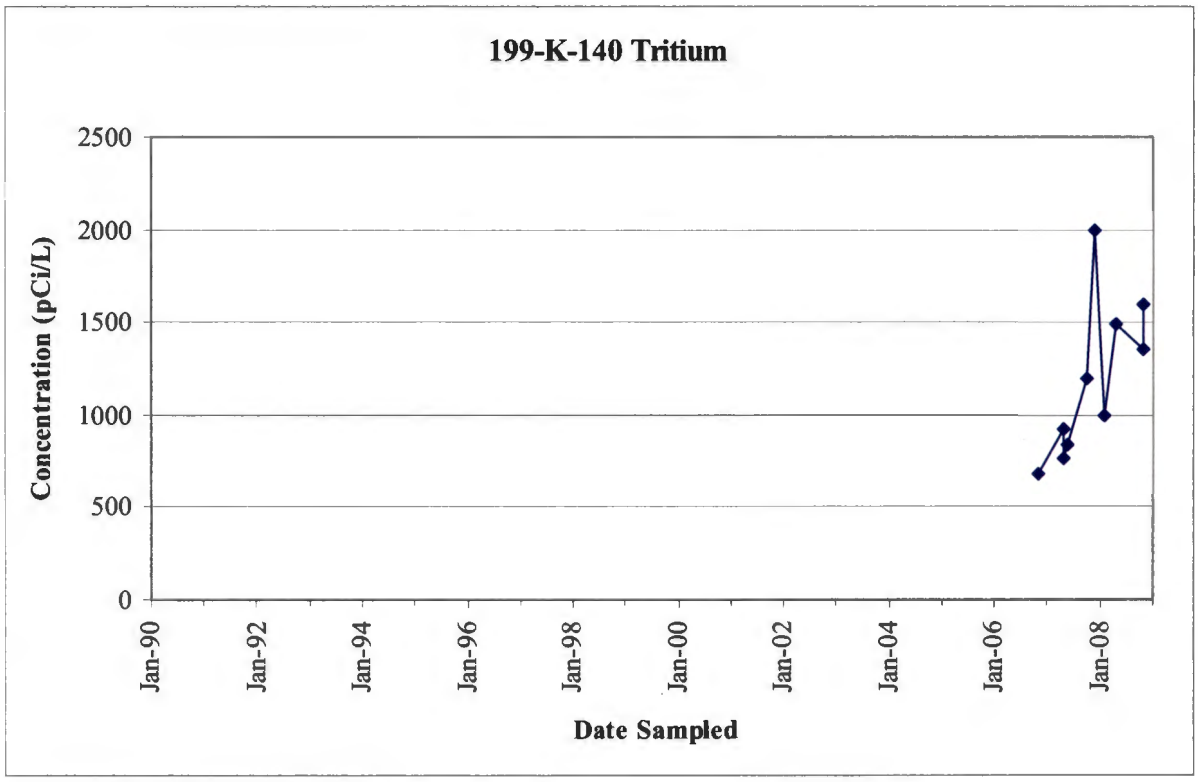

199-K-130 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

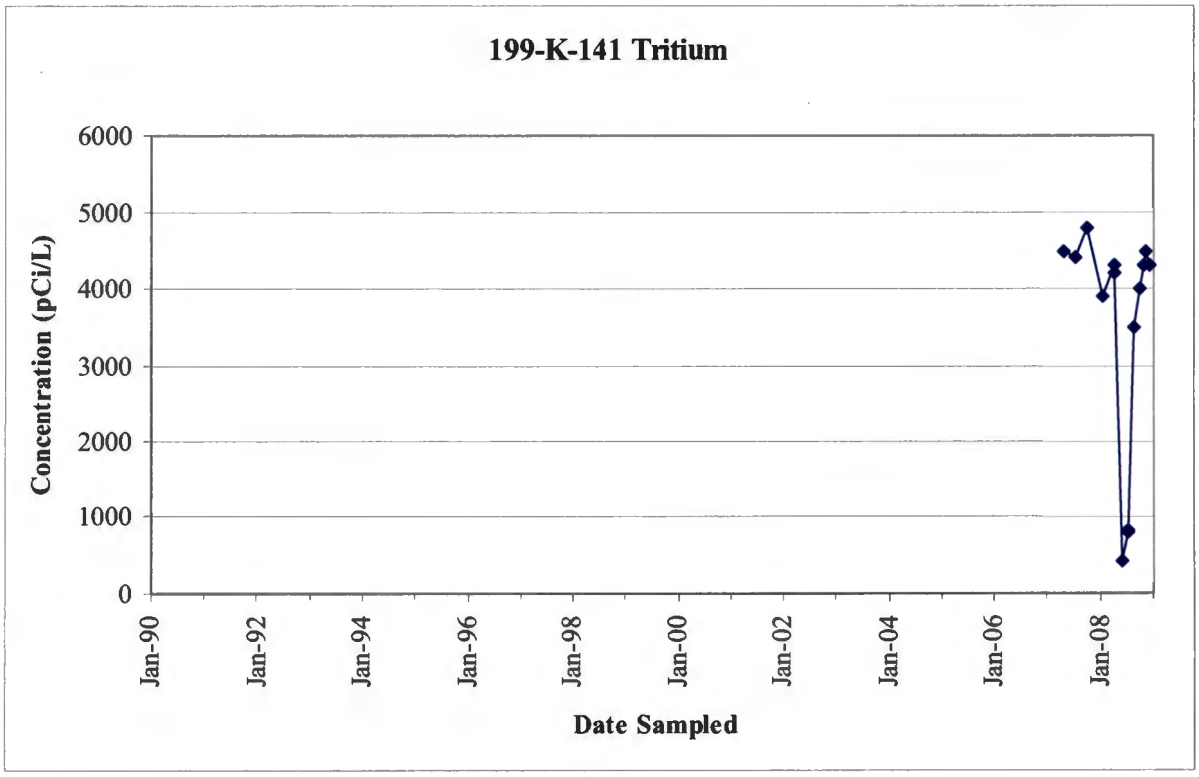

199-K-132 Tritium
Concentration (pCi/L)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

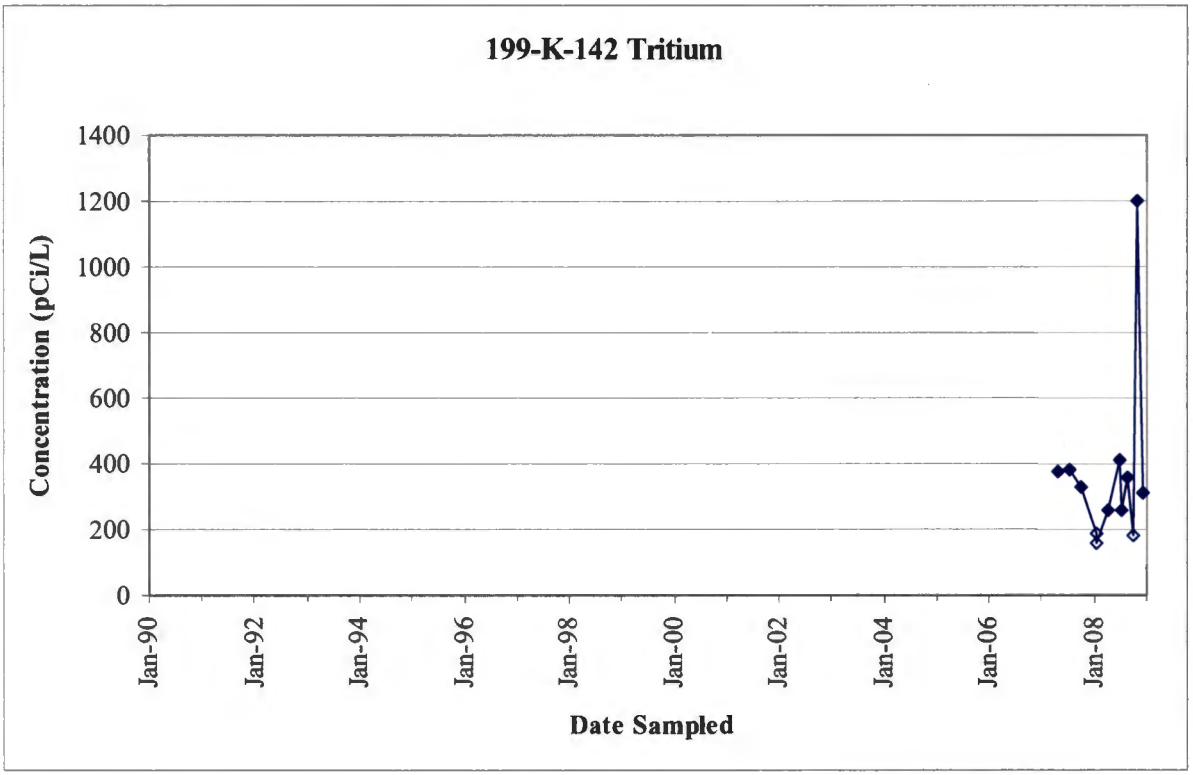

199-K-137 Tritium
Concentration (pCi/L)
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

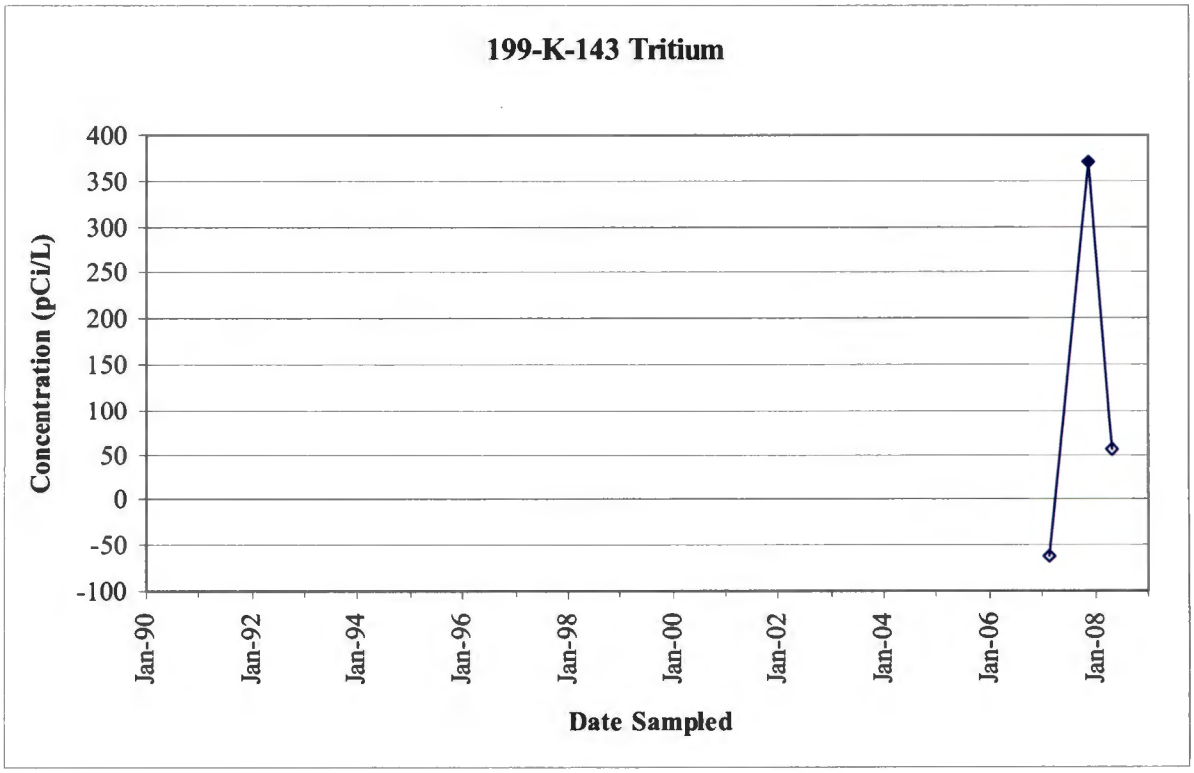

199-K-138 Tritium
Concentration (pCi/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

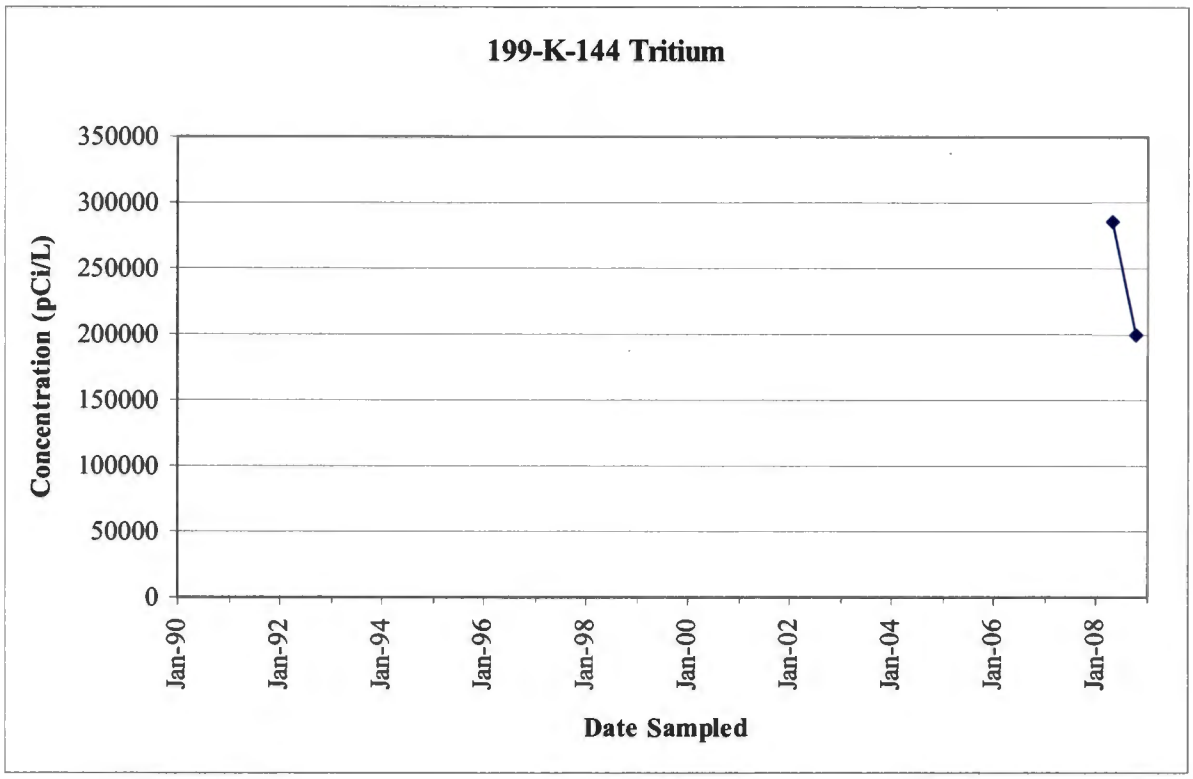

199-K-139 Tritium
Concentration (pCi/L)
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

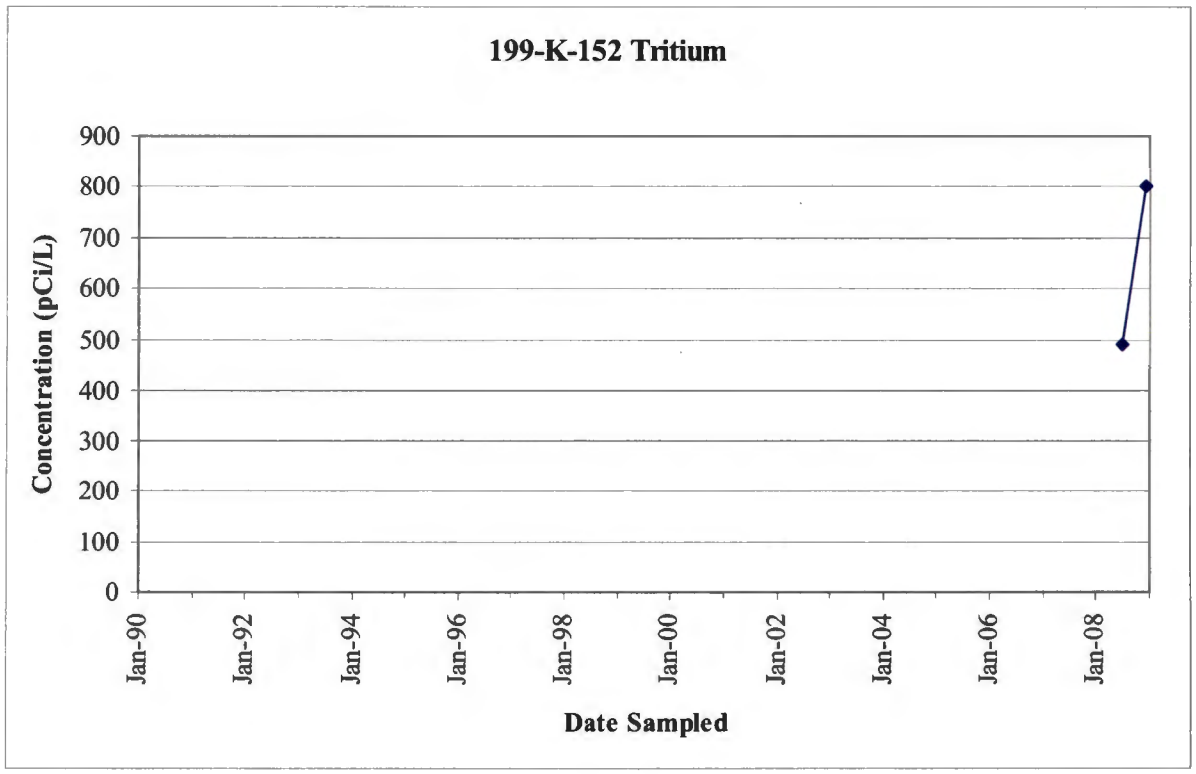

199-K-140 Tritium
Concentration (pCi/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

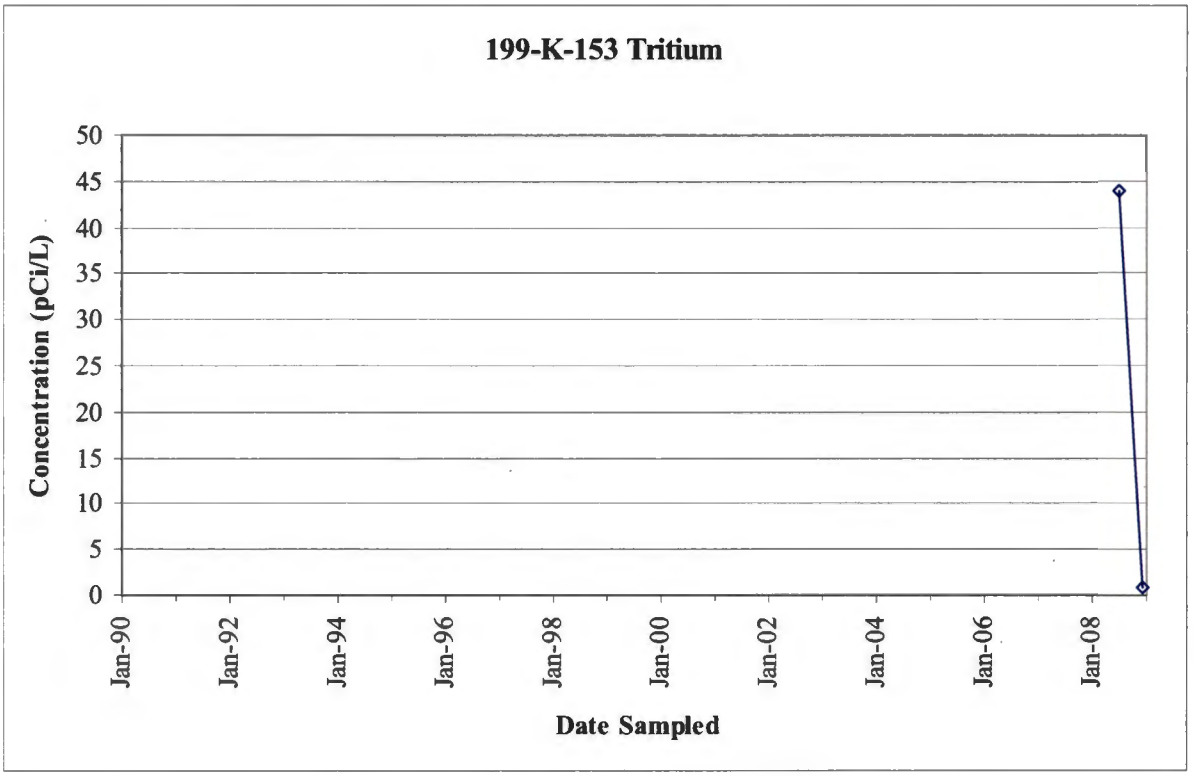

199-K-141 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

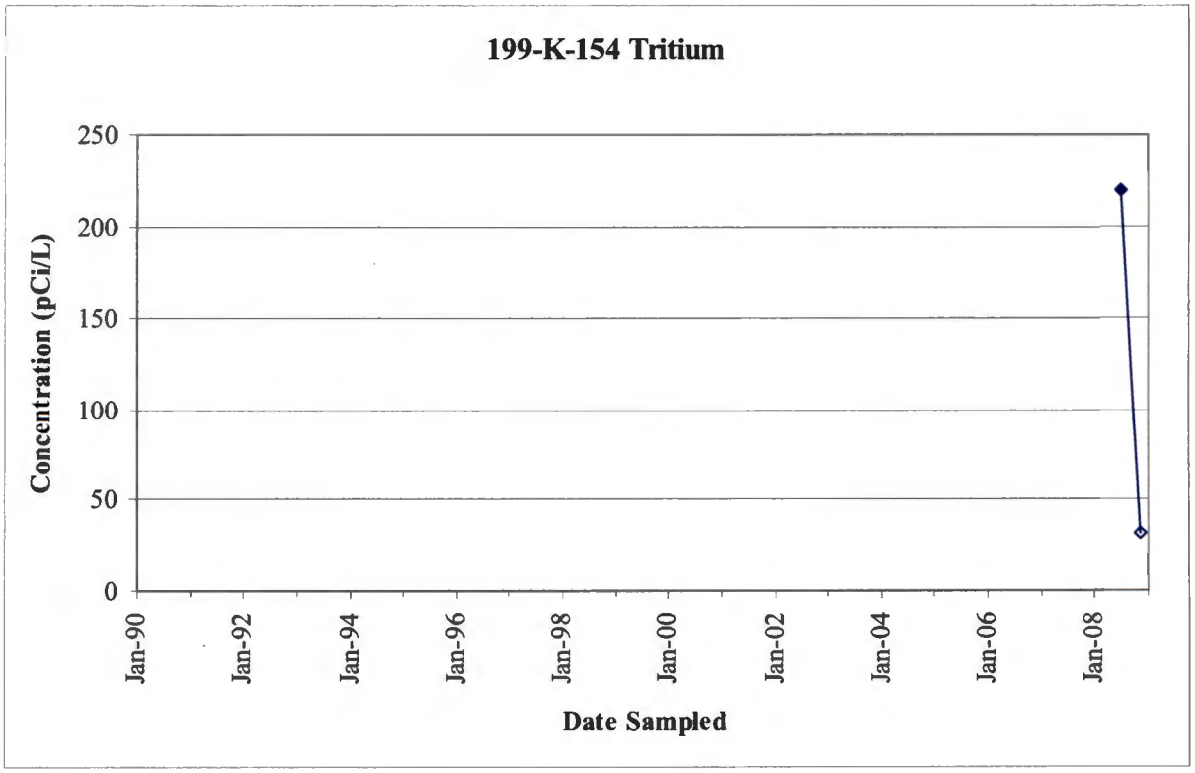

199-K-142 Tritium
Concentration (pCi/L)
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

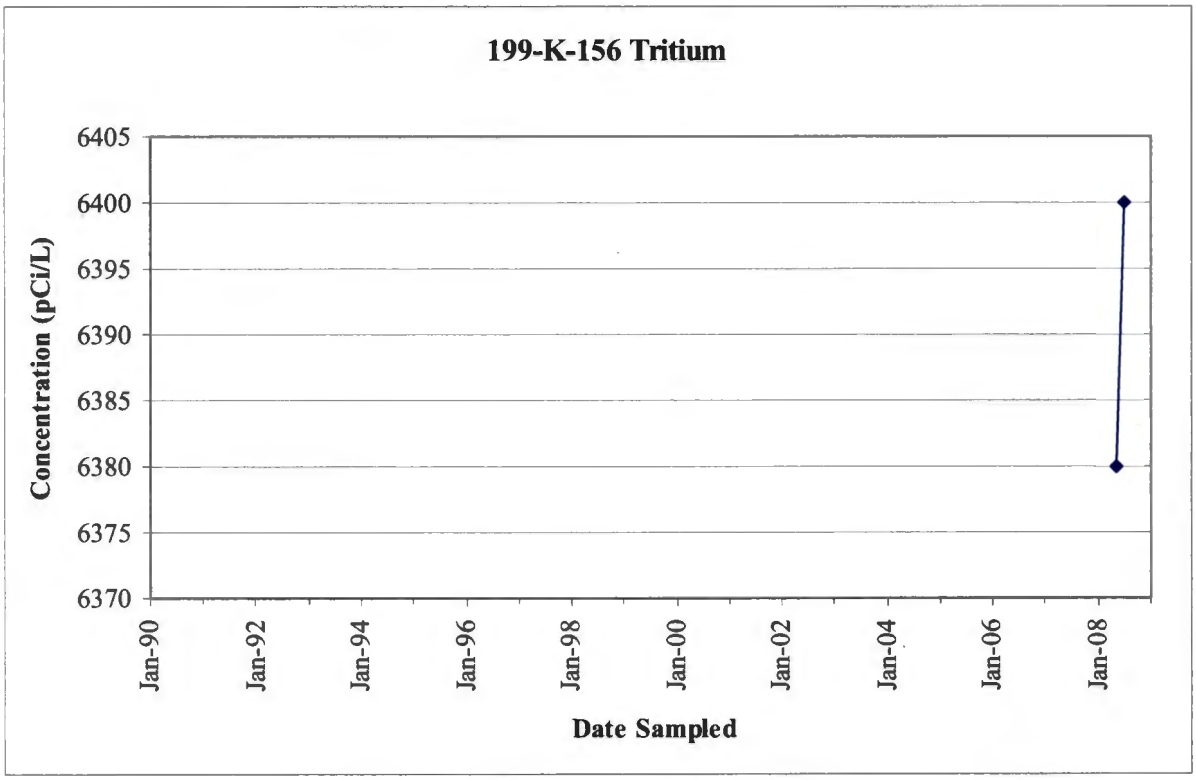

199-K-143 Tritium
Concentration (pCi/L)
400
350
300
250
200
150
100
50
0
-50
-100
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

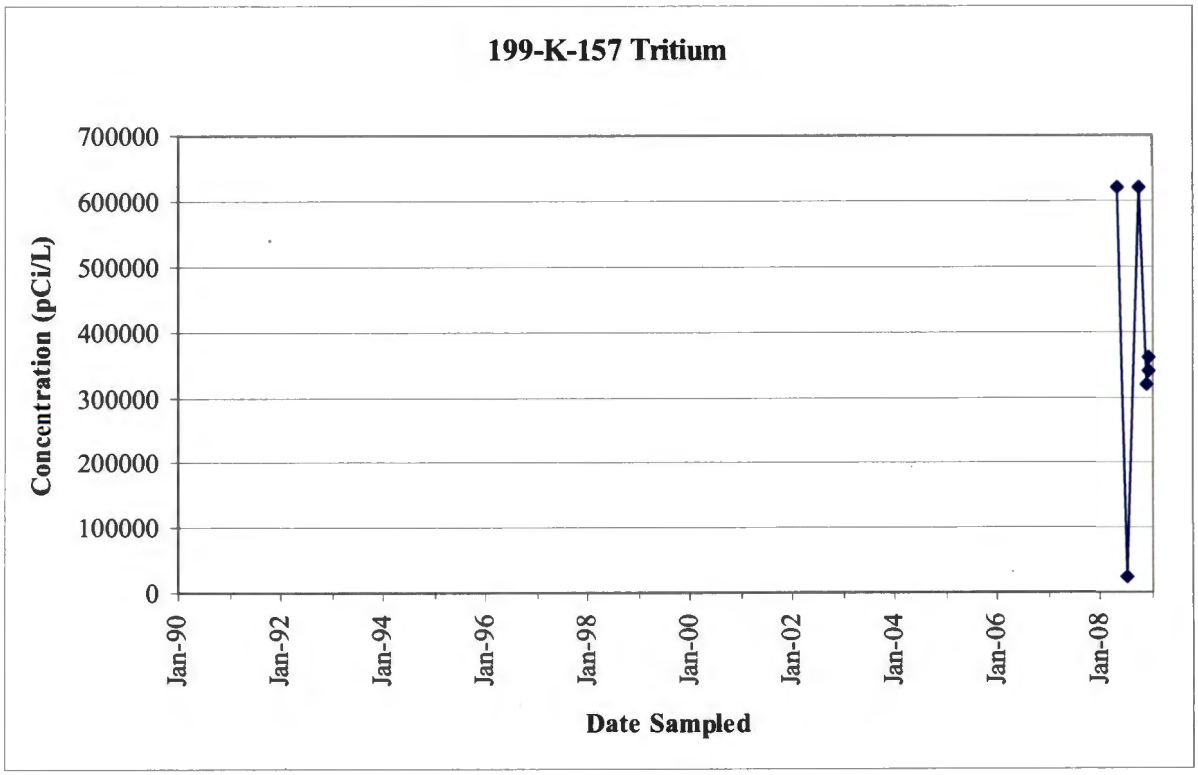

199-K-144 Tritium
Concentration (pCi/L)
350000
300000
250000
200000
150000
100000
50000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

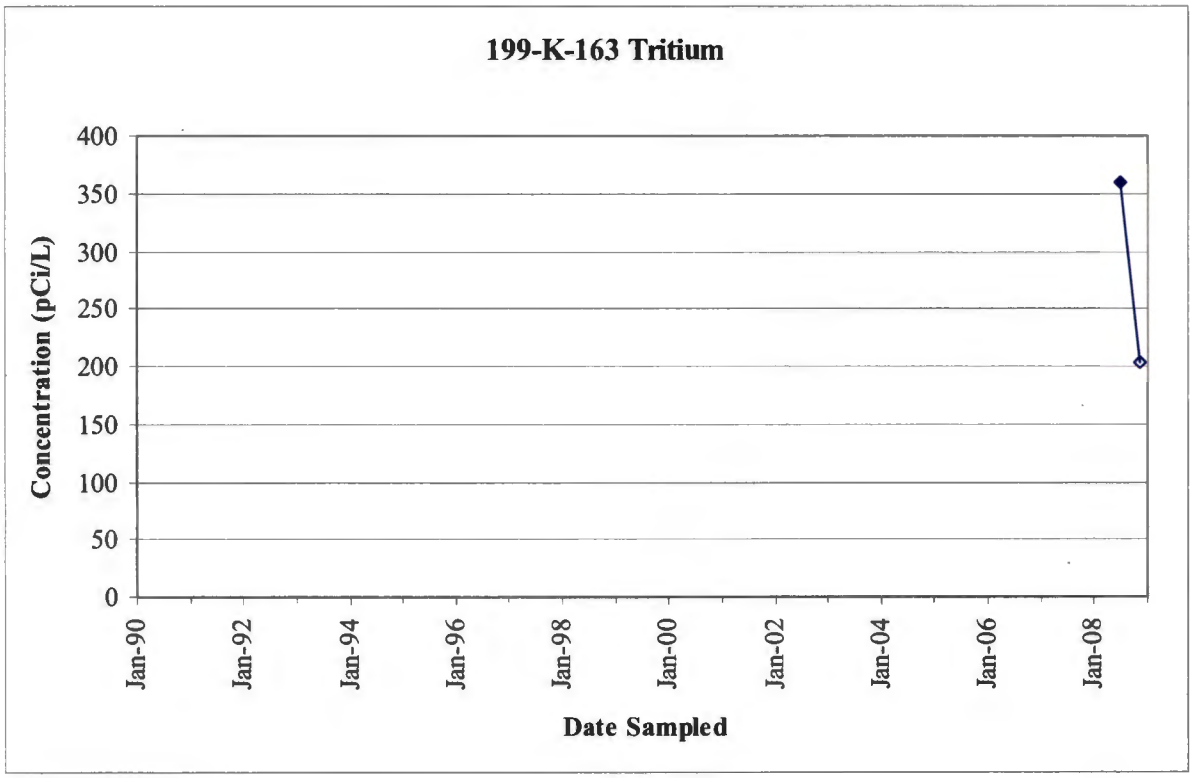

199-K-152 Tritium
Concentration (pCi/L)
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

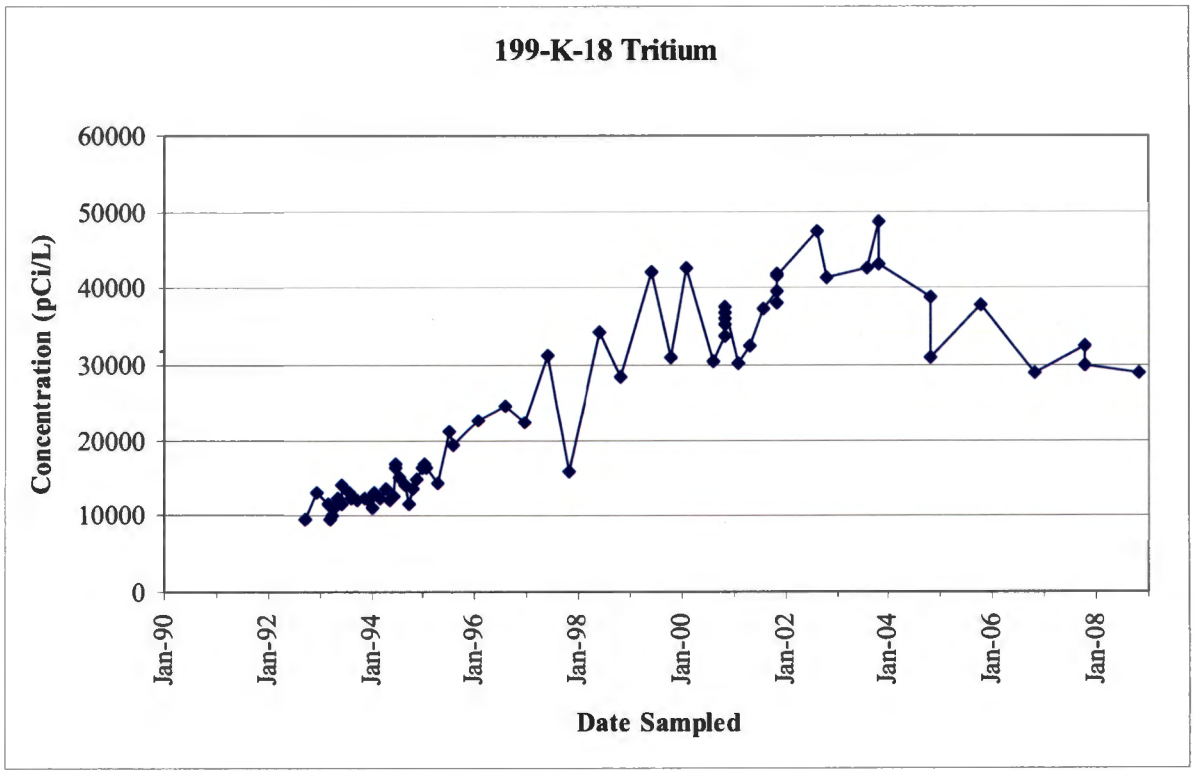

199-K-153 Tritium
Concentration (pCi/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

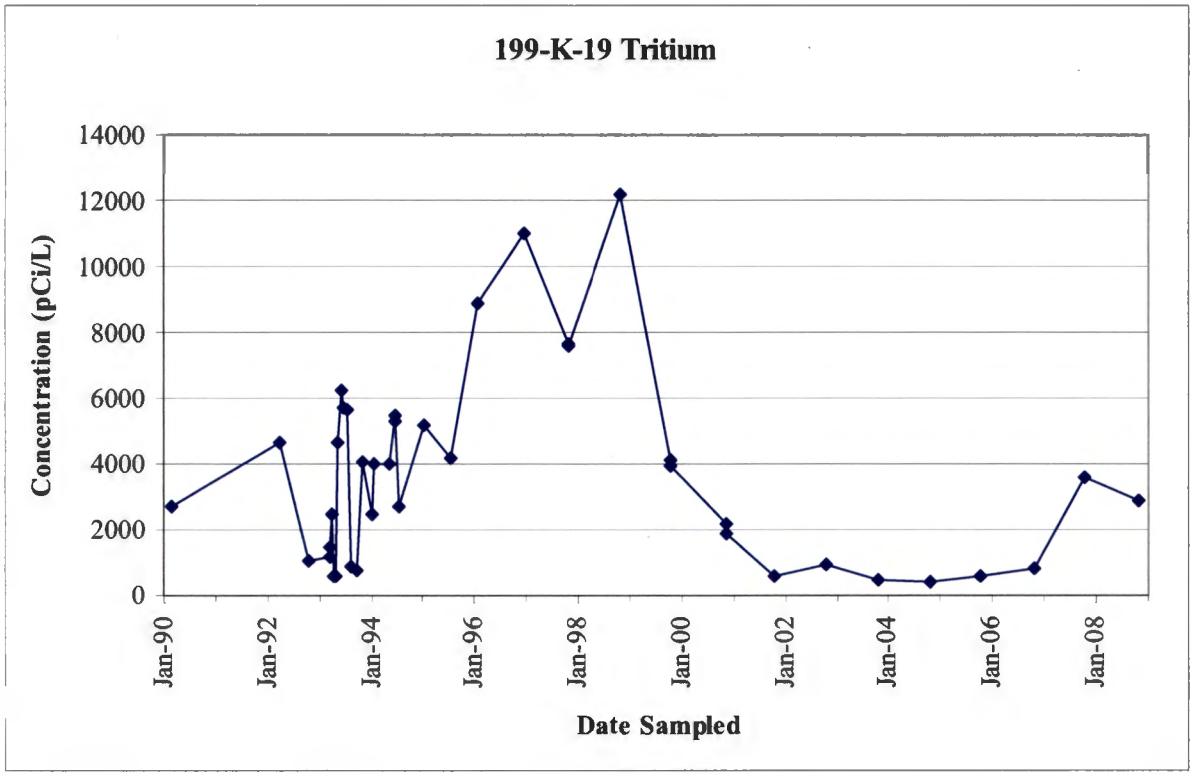

199-K-154 Tritium
Concentration (pCi/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

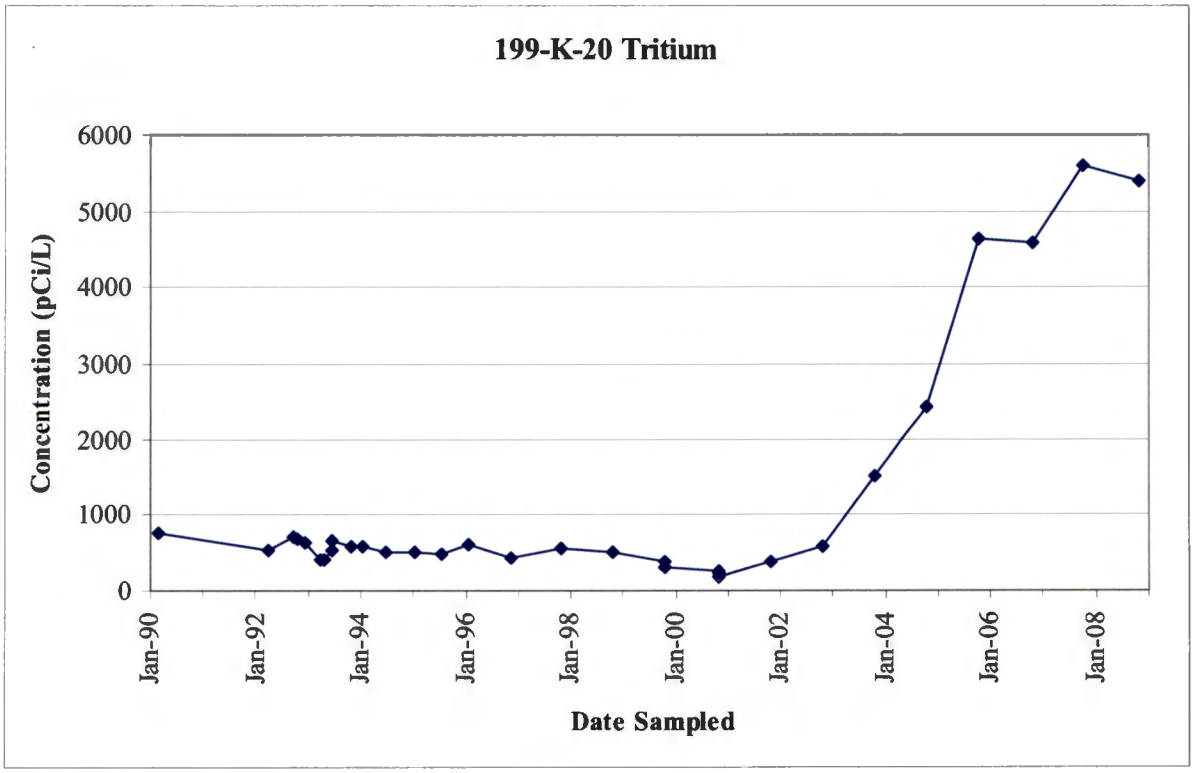

199-K-156 Tritium
Concentration (pCi/L)
6405
6400
6395
6390
6385
6380
6375
6370
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

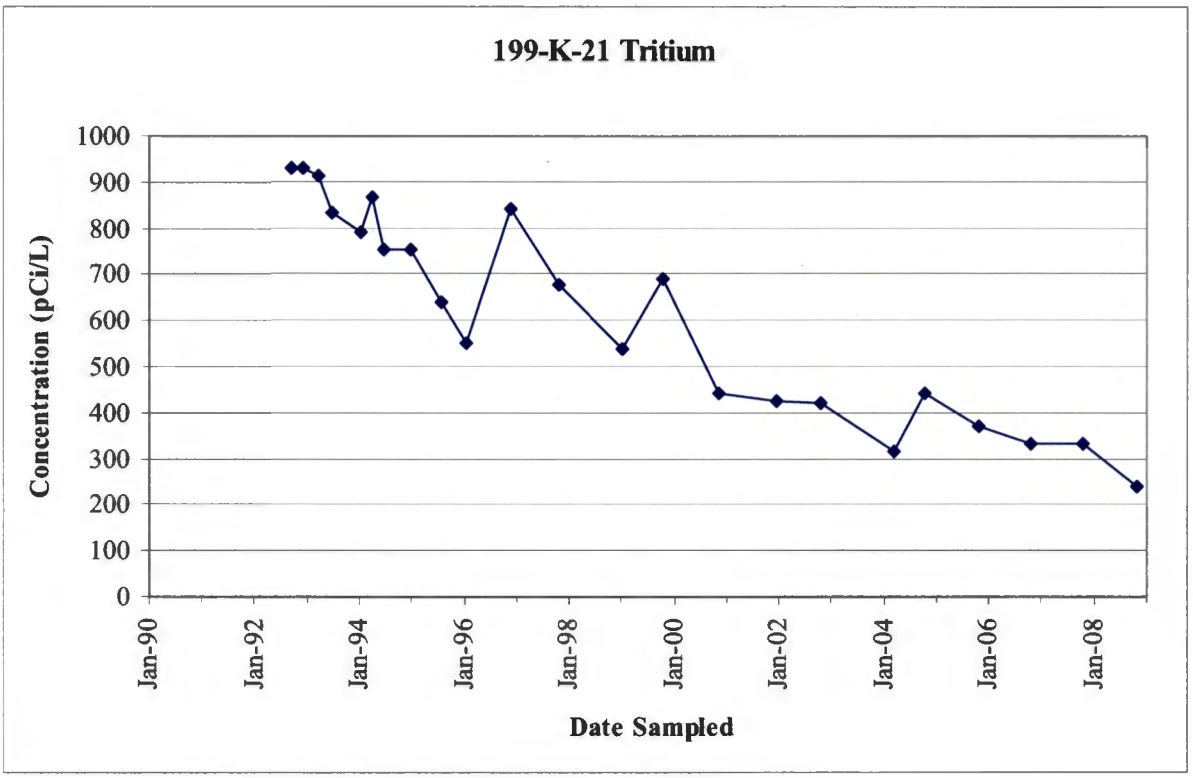

199-K-157 Tritium
Concentration (pCi/L)
700000
600000
500000
400000
300000
200000
100000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

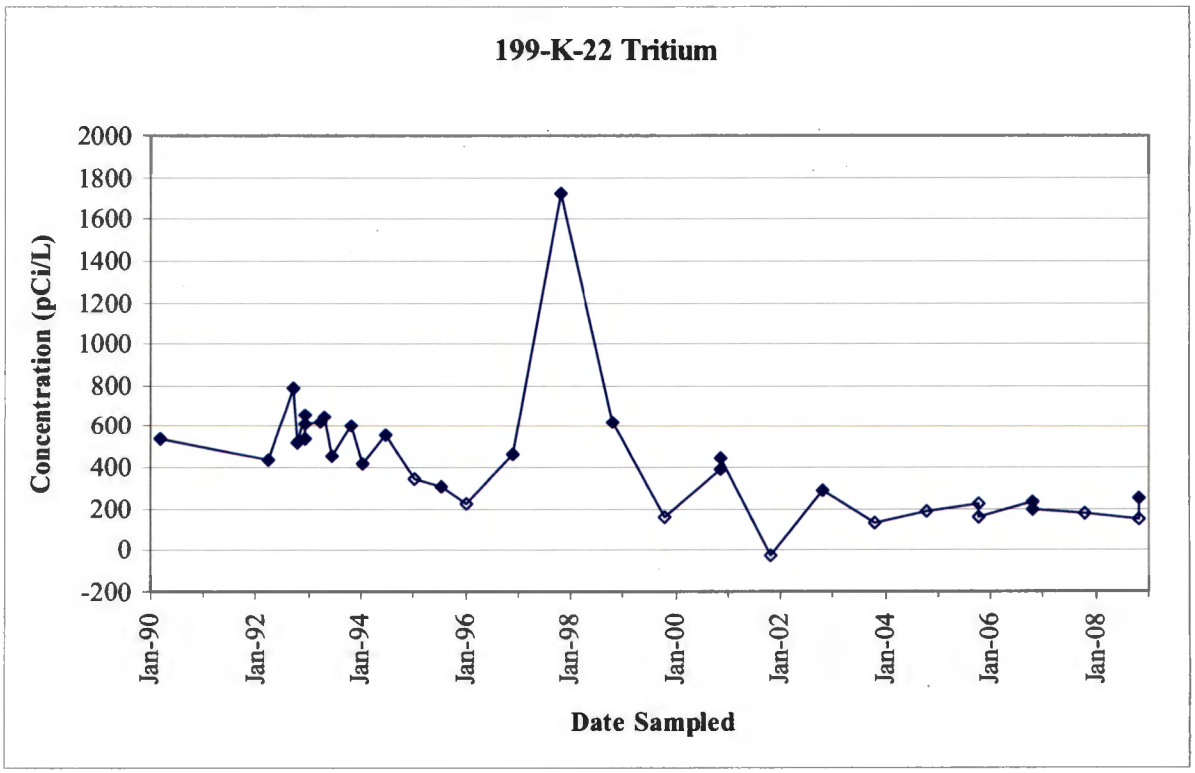

199-K-163 Tritium
Concentration (pCi/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

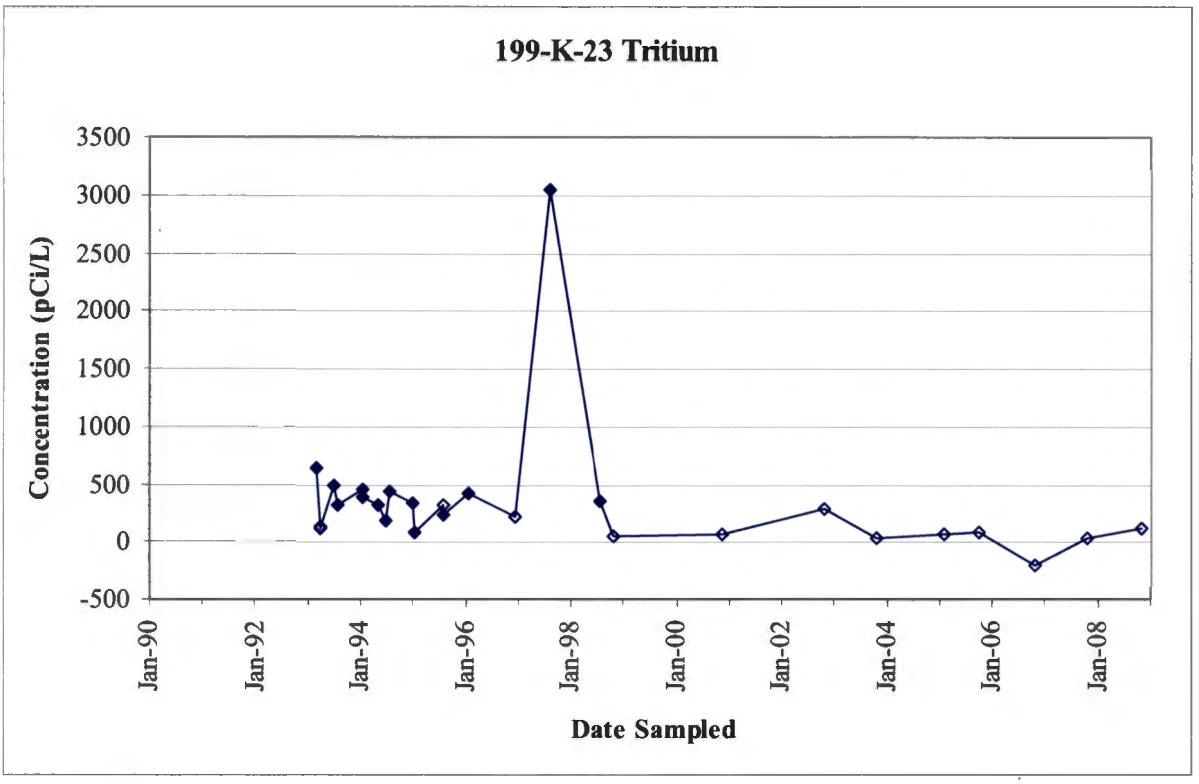

199-K-18 Tritium
Concentration (pCi/L)
60000
50000
40000
30000
20000
10000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

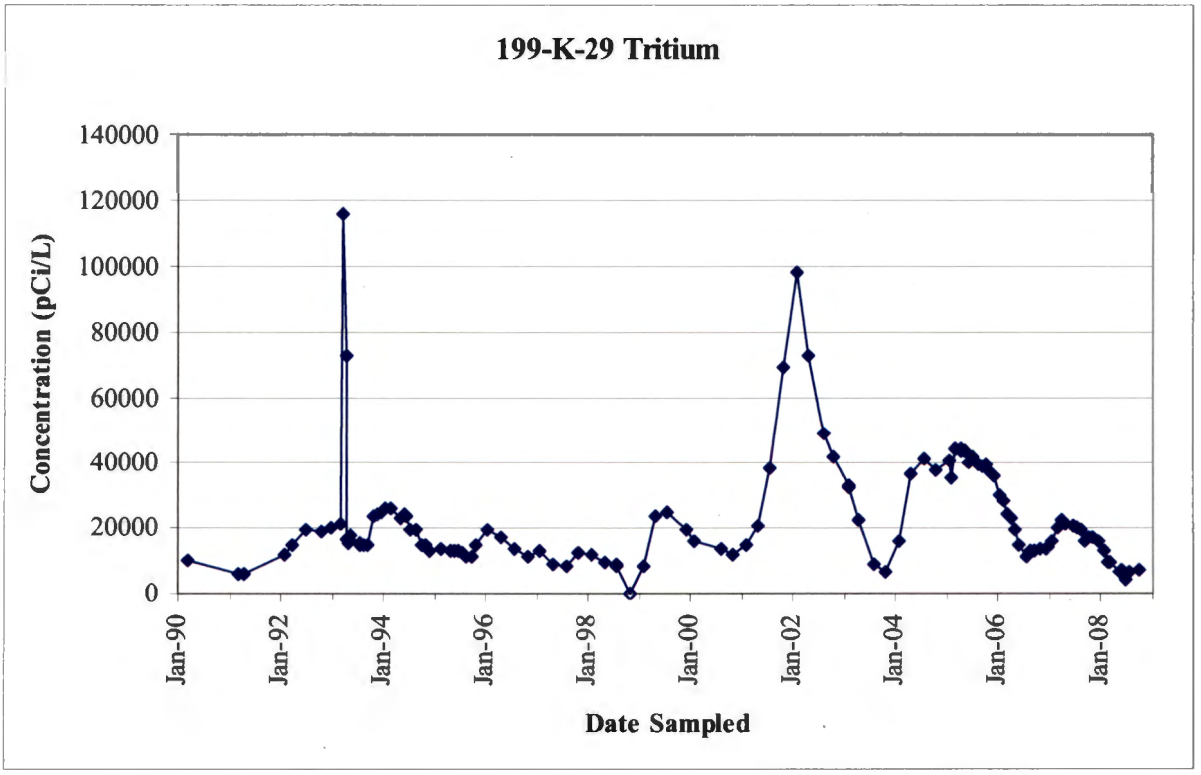

199-K-19 Tritium
Concentration (pCi/L)
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

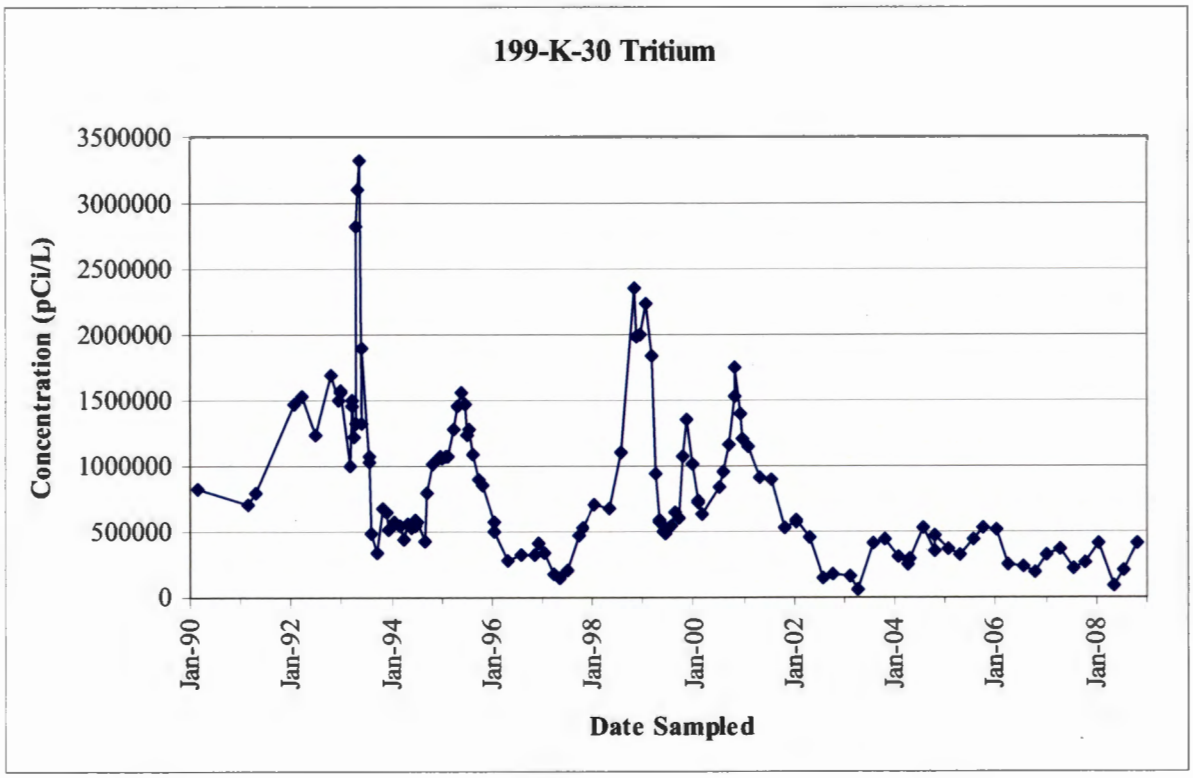

199-K-20 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

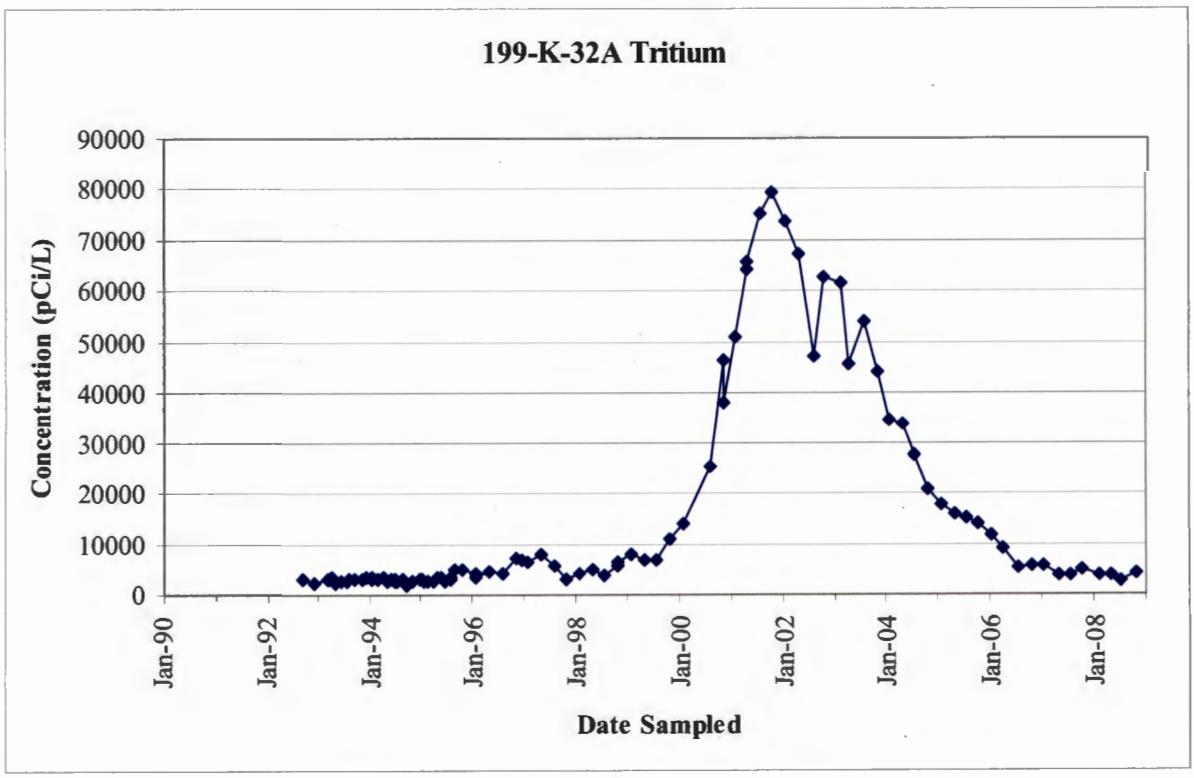

199-K-21 Tritium
Concentration (pCi/L)
1000
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

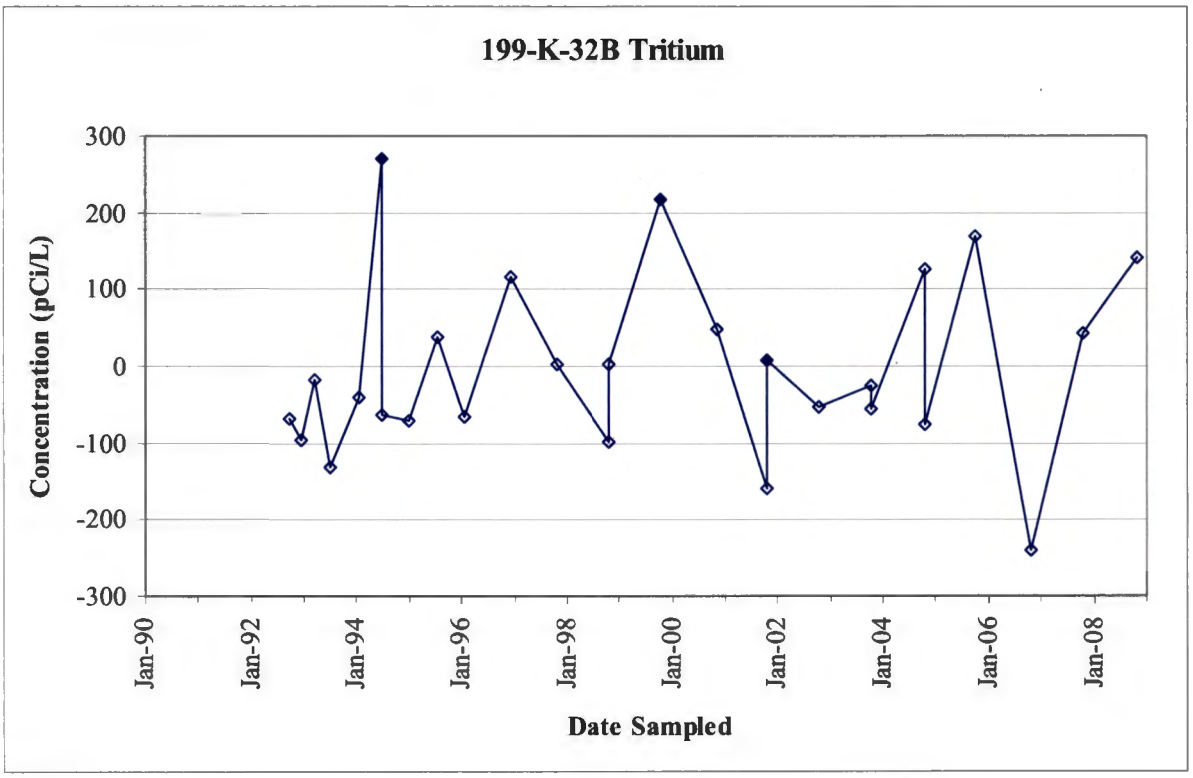

199-K-22 Tritium
Concentration (pCi/L)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
-200
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

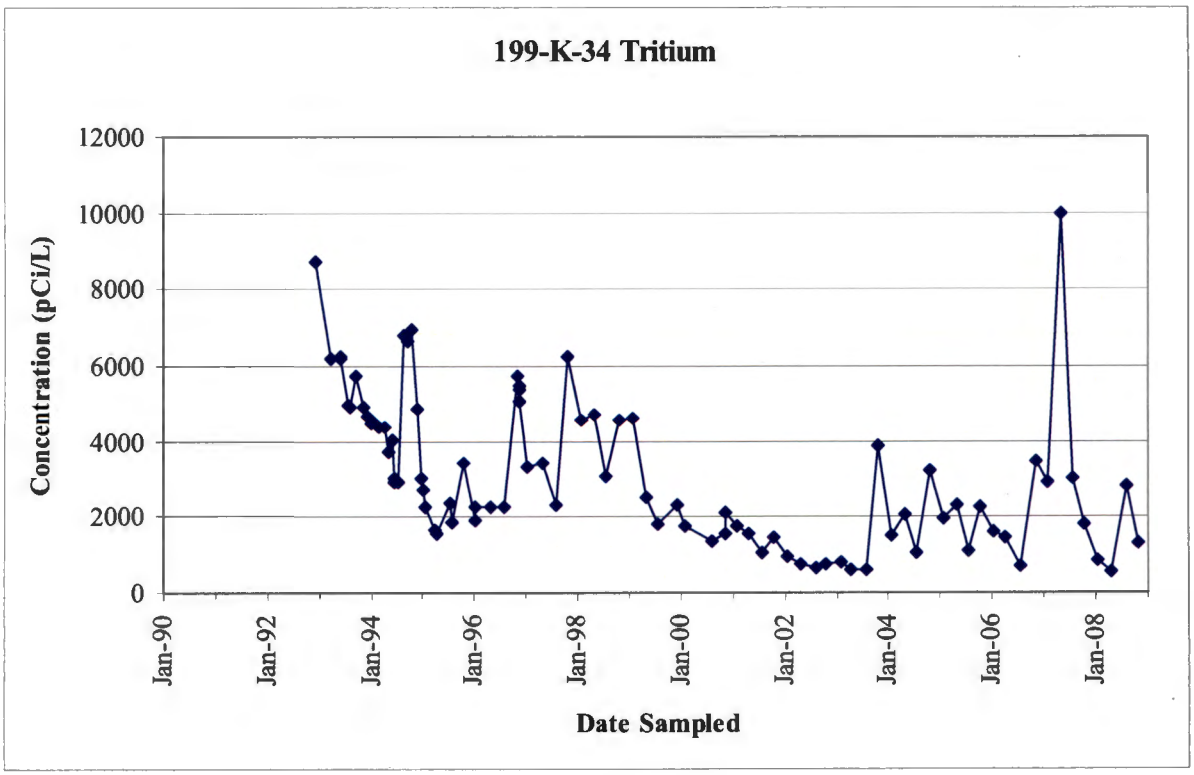

199-K-23 Tritium
Concentration (pCi/L)
3500
3000
2500
2000
1500
1000
500
0
-500
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

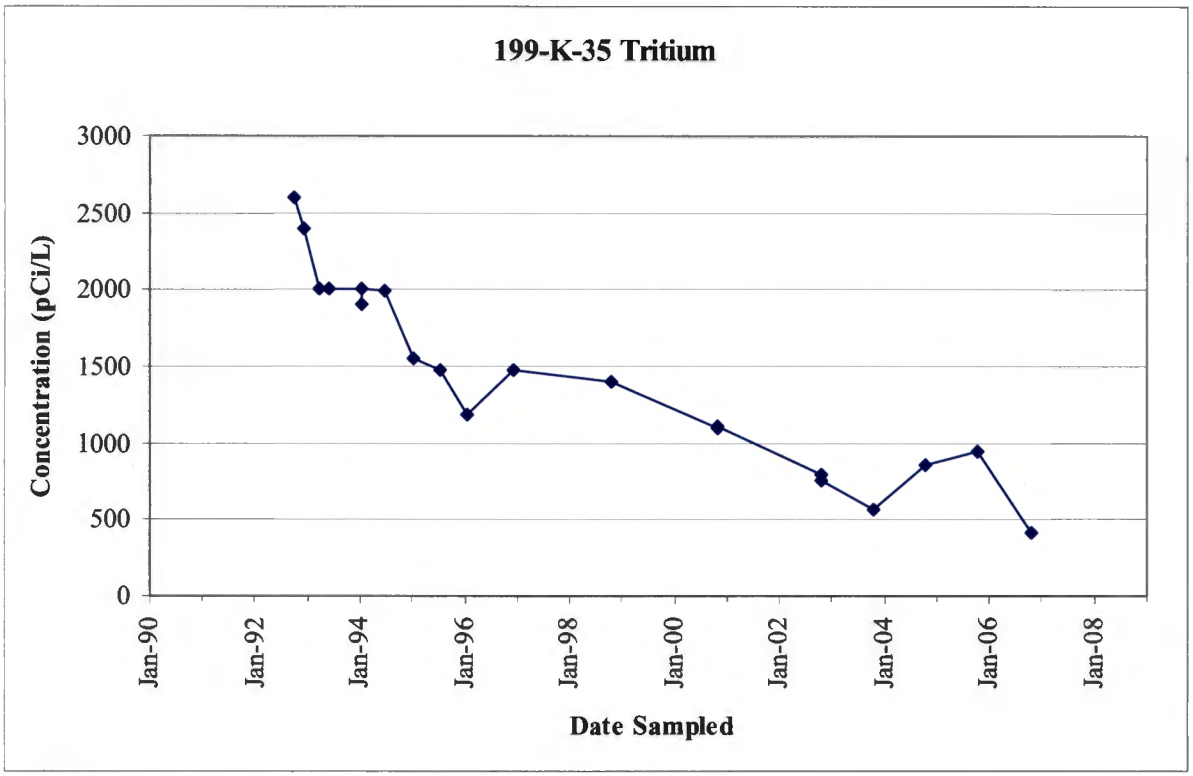

199-K-29 Tritium
Concentration (pCi/L)
140000
120000
100000
80000
60000
40000
20000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

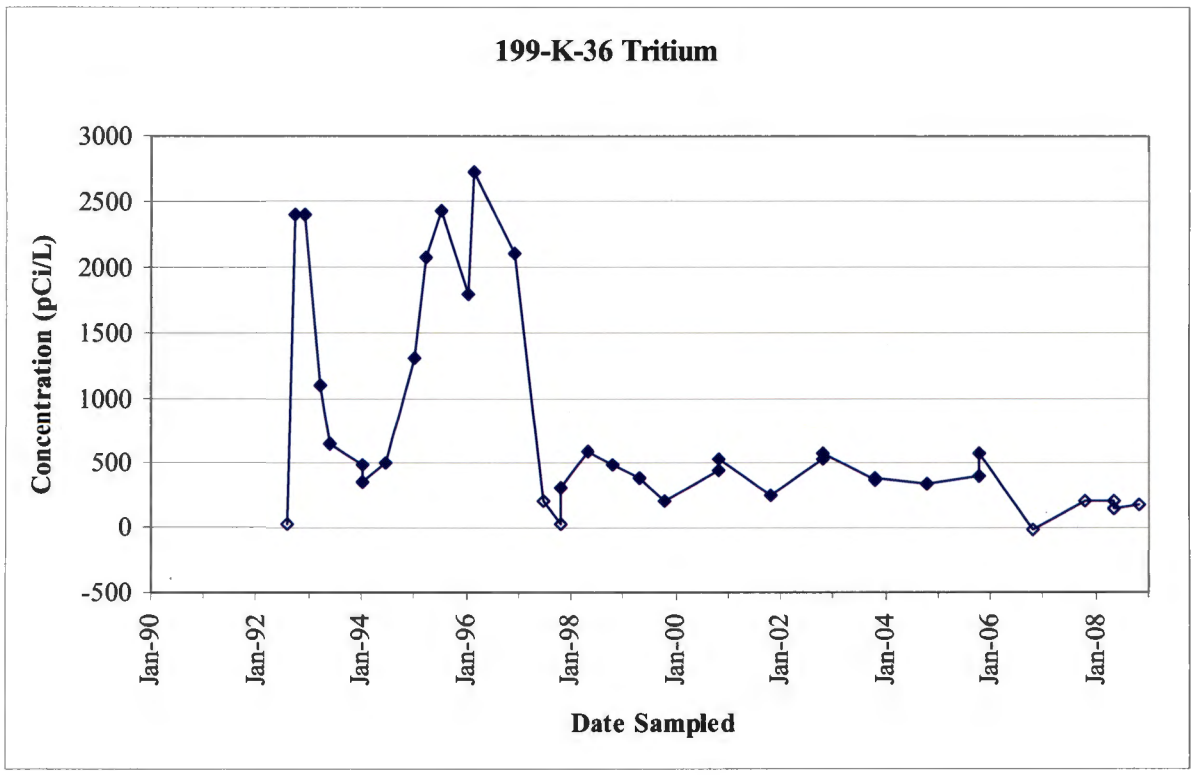

199-K-30 Tritium
Concentration (pCi/L)
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

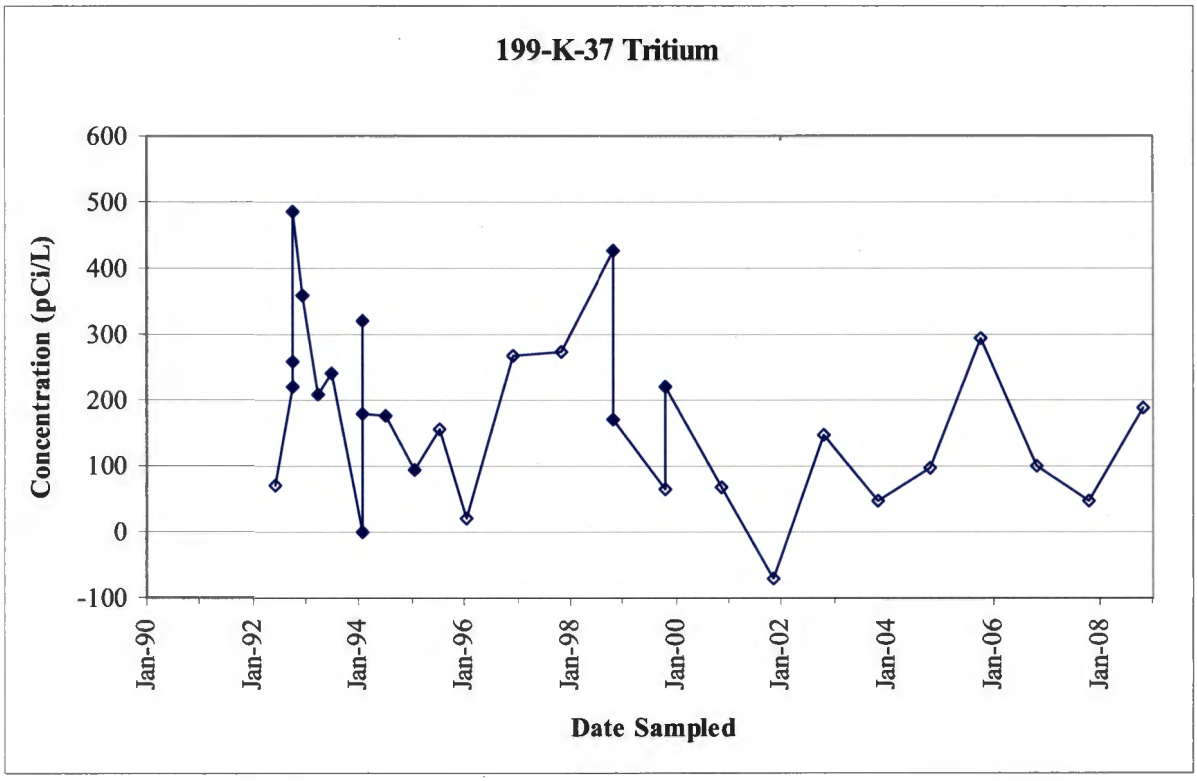

199-K-32A Tritium
Concentration (pCi/L)
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-K-32B Tritium
Concentration (pCi/L)
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-K-34 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-K-35 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-K-36 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-K-37 Tritium
Concentration (pCi/L)
600
500
400
300
200
100
0
-100
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

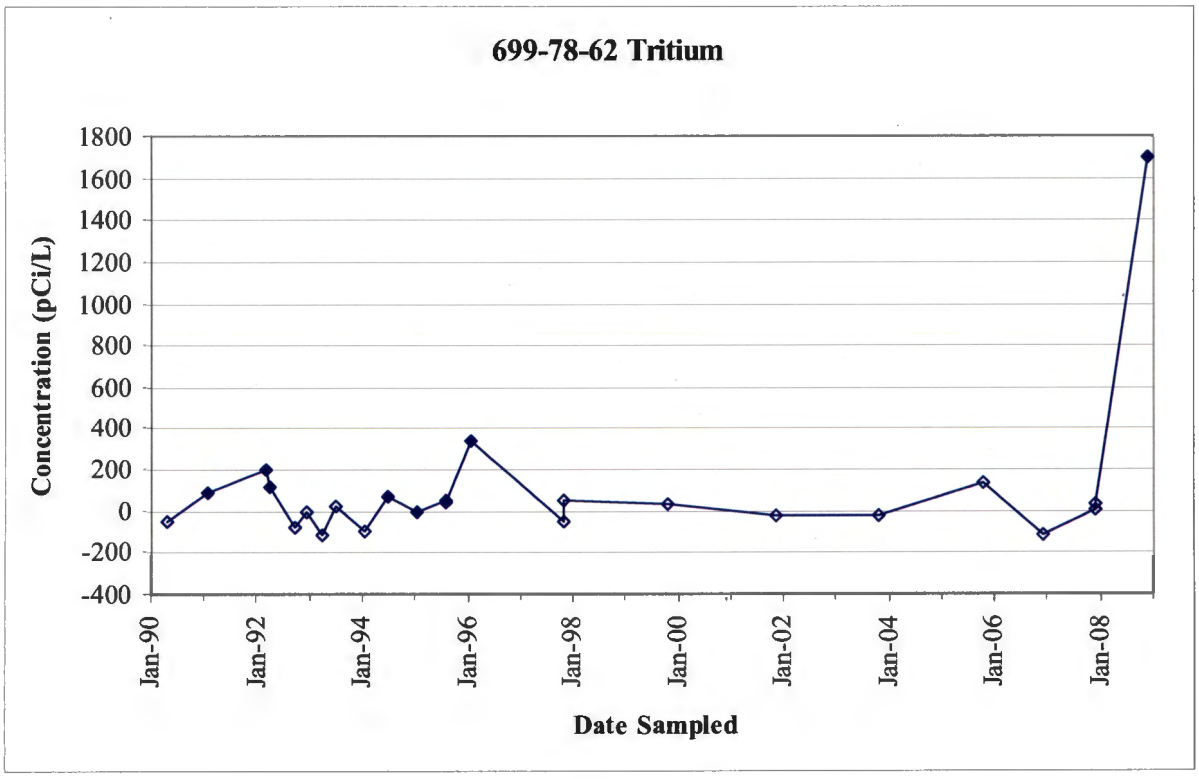

699-78-62 Tritium
Concentration (pCi/L)
1800
1600
1400
1200
1000
800
600
400
200
0
-200
-400
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

Table F-1. Change in Hexavalent and Total Chromium Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (4 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. Since 2007 Sampling (Negative = Decrease)		
		Filt. & Unfilt. Cr^{+6}		Total Chromium			Filt. & Unfilt. Cr^{+6}		Total Chromium					
		Date Collected	Conc. (mg/L)	Date Collected	Unfilt. (mg/L)	Filt. (mg/L)	Date Collected	Conc. (mg/L)	Date Collected	Unfilt. (mg/L)	Filt. (mg/L)	Cr^{+6} (mg/L)	Total Chromium Unfilt.	Total Chromium Filt.
199-K-111A	M	10/11/07	32.5	10/11/07	26.1	--	--	--	10/6/08	26.1 (B)	28.9 (B)	--	0	--
199-K-113A	E	10/29/07	82	--	--	--	11/4/08	65	--	--	--	-20.73	--	--
199-K-114A	C/E	10/29/07	109	--	--	--	11/4/08	83.5	--	--	--	-23.39	--	--
199-K-115A	E	10/29/07	104	--	--	--	10/6/08	91	--	--	--	-12.50	--	--
199-K-116A	E	10/29/07	74	--	--	--	12/1/08	54.5	--	--	--	-26.35	--	--
199-K-117A	C	11/7/07	3.4 (B)	10/5/07	4 (U)	5.8	10/6/08	2 (U)	10/6/08	13 (U)	13 (U)	--	--	--
199-K-119A	E	10/29/07	9	--	--	--	11/4/08	7	--	--	--	-22.22	--	--
199-K-120A	E	10/29/07	49	--	--	--	11/4/08	38	--	--	--	-22.45	--	--
199-K-121A	I	10/17/07	0	--	--	--	--	--	--	--	--	--	--	--
199-K-122A	I	10/17/07	0	--	--	--	--	--	--	--	--	--	--	--
199-K-123A	I	10/17/07	0	--	--	--	--	--	--	--	--	--	--	--
199-K-124A	I	10/17/07	0	--	--	--	--	--	--	--	--	--	--	--
199-K-125A	E	10/29/07	17	--	--	--	11/4/08	12	--	--	--	-29.41	--	--
199-K-126	C/E/M	11/29/07	46	11/29/07	123 (R)	--	--	--	11/9/08	32.8	29.7		--	--
199-K-127	E	10/29/07	22	--	--	--	11/4/08	14	--	--	--	-36.36	--	--
199-K-128	I	10/17/07	0	--	--	--	--	--	--	--	--	--	--	--
199-K-129/K-112A	E	10/29/07	58	--	--	--	11/4/08	43	--	--	--	-25.86	--	--
199-K-130	M	11/7/07	81.6	--	--	--	--	--	--	--	--	--	--	--
199-K-131	M	11/2/07	79.2	--	--	--	--	--	--	--	--	--	--	--
199-K-143	M	11/16/07	23.9	11/16/07	21.6	18.4	--	--	--	--	--	--	--	--
199-K-144	E	--	--	--	--	--	10/7/08	34	--	--	--	--	--	--
199-K-145	E	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-146	E	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-147	E	11/15/07	38	--	--	--	--	--	--	--	--	--	--	--
199-K-148	E	11/14/07	74	--	--	--	--	--	--	--	--	--	--	--
199-K-149	E	11/14/07	64	--	--	--	--	--	--	--	--	--	--	--

Table F-1. Change in Hexavalent and Total Chromium Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (4 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. Since 2007 Sampling (Negative = Decrease)		
		Filt. & Unfilt. Cr^{+6}		Total Chromium			Filt. & Unfilt. Cr^{+6}		Total Chromium					
		Date Collected	Conc. (mg/L)	Date Collected	Unfilt. (mg/L)	Filt. (mg/L)	Date Collected	Conc. (mg/L)	Date Collected	Unfilt. (mg/L)	Filt. (mg/L)	Cr^{+6} (mg/L)	Total Chromium Unfilt.	Total Chromium Filt.
199-K-150	E	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-151	M	12/14/07	44	--	--	--	11/24/08	60.7	--	--	--	37.95	--	--
199-K-152	M	--	--	--	--	--	9/24/08	75.5	--	--	--	--	--	--
199-K-153	M	--	--	--	--	--	9/24/08	38.4	--	--	--	--	--	--
199-K-154	M	11/20/07	99	--	--	--	9/24/08	97.5	--	--	--	-1.52	--	--
199-K-156	I	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-157	M	--	--	--	--	--	9/24/08	64	--	--	--	--	--	--
199-K-159	I	11/12/07	7	--	--	--	--	--	--	--	--	--	--	--
199-K-160	I	11/13/07	10	--	--	--	--	--	--	--	--	--	--	--
199-K-161	E	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-162	E	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-163	M	11/16/07	129	--	--	--	9/24/08	128	--	--	--	-0.78	--	--
199-K-164	I	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-169	I	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-170	I	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-171	I	--	--	--	--	--	9/5/08	79	--	--	--	--	--	--
199-K-172	I	--	--	--	--	--	9/5/08	15.0	--	--	--	--	--	--
199-K-18	C	10/11/07	145.5	10/11/07	143.5	144	10/23/08	156	10/23/08	139	152	7.22	-3.14	5.56
199-K-19	M	10/17/07	41.5	10/17/07	45.7	42.6	10/23/08	28.7	10/23/08	27.4	22.7	-30.84	-40.04	-46.71
199-K-20	C	10/5/07	4 (B)	10/5/07	16	13.6	10/27/08	5.5	10/27/08	18.5 (B)	11.3 (B)	37.50	15.63	-16.91
199-K-21	M	10/16/07	4.9	10/16/07	21.2	6.5	10/23/08	6.7	10/23/08	19.4 (B)	10 (U)	36.73	-8.49	--
199-K-22	M	10/16/07	116	10/16/07	137	104	10/23/08	108	10/23/08	103	99.8	-6.90	-24.82	-4.04
199-K-37	M	10/18/07	75.8	10/18/07	71.9	67.8	10/27/08	71.2	10/27/08	70.8	77.1	-6.07	-1.53	13.72
199-N-16	M	--	--	9/12/07	--	4.9 (U)D	--	--	--	--	--	--	--	--

Table F-1. Change in Hexavalent and Total Chromium Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (4 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. Since 2007 Sampling (Negative = Decrease)		
		Filt. & Unfilt. Cr^{+6}		Total Chromium			Filt. & Unfilt. Cr^{+6}		Total Chromium					
		Date Collected	Conc. (mg/L)	Date Collected	Unfilt. (mg/L)	Filt. (mg/L)	Date Collected	Conc. (mg/L)	Date Collected	Unfilt. (mg/L)	Filt. (mg/L)	Cr^{+6} (mg/L)	Total Chromium Unfilt.	Total Chromium Filt.
199-N-71	M	--	--	12/18/07	13.6	4 U	11/18/08	2	--	--	--	--	--	--
199-N-72	M	--	--	12/18/07	10	6.4	11/18/08	4.1	--	--	--	--	--	--
699-78-62	M	12/3/07	21.8	12/3/07	18.4	21.4	11/23/08	3.6	11/23/08	13	13.5	-83.49		-36.92
Aquifer Tubes														
C6248	AT	--	--	--	--	--	9/30/08	3.7	--	--	--	--	--	--
C6249	AT	--	--	--	--	--	9/30/08	10.1	--	--	--	--	--	--
C6250	AT	--	--	--	--	--	9/30/08	25.7	--	--	--	--	--	--
C6252	AT	--	--	--	--	--	11/6/08	2 (U)	--	--	--	--	--	--
C6253	AT	--	--	--	--	--	11/6/08	18	--	--	--	--	--	--
C6254	AT	--	--	--	--	--	11/5/08	2 (UN)	--	--	--	--	--	--
C6255	AT	--	--	--	--	--	11/5/08	2 (UN)	--	--	--	--	--	--
C6256	AT	--	--	--	--	--	11/5/08	13 (N)	--	--	--	--	--	--
19-D	AT	12/7/07	2 (U)	--	--	--	--	--	--	--	--	--	--	--
21-M	AT	11/29/07	7.9	--	--	--	--	--	--	--	--	--	--	--
22-M/D	AT	12/3/07	7.9	--	--	--	--	--	--	--	--	--	--	--
23-D	AT	11/28/07	2.7	--	--	--	--	--	--	--	--	--	--	--
26-D	AT	11/27/07	63.6	--	--	--	--	--	--	--	--	--	--	--
DK-04-2	AT	12/3/07	59.5	--	--	--	--	--	--	--	--	--	--	--
AT-K-3-D	AT	12/3/07	80.9	--	--	--	--	--	--	--	--	--	--	--
AT-K-4-M	AT	11/28/07	6.5	--	--	--	--	--	--	--	--	--	--	--
AT-K-5-D	AT	11/28/07	57.3	--	--	--	--	--	--	--	--	--	--	--
AT-K-6-M	AT	11/27/07	64.9	--	--	--	--	--	--	--	--	--	--	--

Table F-1. Change in Hexavalent and Total Chromium Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (4 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. Since 2007 Sampling (Negative = Decrease)		
		Filt. & Unfilt. Cr^{+6}		Total Chromium			Filt. & Unfilt. Cr^{+6}		Total Chromium					
		Date Collected	Conc. (mg/L)	Date Collected	Unfilt. (mg/L)	Filt. (mg/L)	Date Collected	Conc. (mg/L)	Date Collected	Unfilt. (mg/L)	Filt. (mg/L)	Cr^{+6} (mg/L)	Total Chromium	
													Unfilt.	Filt.

NOTES:

1. Well use: C = compliance, E = extraction, I = injection, M = monitoring; X = 100-KR-4 expansion well, use to be determined.
2. Abbreviations: NA = not available, UF = unfiltered, µg/L= micrograms/liter (parts per billion [ppb]).
3. Aquifer tube nomenclature regarding relative depth: D = deepest, M = middle, S = shallowest.
4. Change in hexavalent chromium concentration at site #22 included sample results from both the middle and deep tube in cluster because all tubes not sampled each year.
5. Change in hexavalent chromium concentration is not calculated when "U" (undetected) values are used in calculation. Where both values have a "U" qualifier, the values are assumed not to have changed significantly.
6. The 2007 results for injection wells are treated effluent hexavalent chromium concentrations.
7. 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.
8. Hexavalent chromium results from well 199-K-126 have been influenced by the calcium polysulfide treatability test that changed the color of the groundwater and so strongly influence the colorimetric EPA Method 7196 results. High out-of-trend results from this well have been rejected because of the lingering calcium polysulfide influence.
9. Blank cells indicate that the sample was not collected, the analysis was not performed, or the change in concentration was not calculated.

Table F-2. Change in Hexavalent Chromium and Total Chromium from 2007 to 2008 in Wells and Aquifer Tubes Monitoring the KW Reactor Area. (2 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. Since 2007 Sampling (Negative = Decrease)		
		Filt. & Unfilt. Cr^{+6}		Total Chromium			Filt. & Unfilt. Cr^{+6}		Total Chromium					
		Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (mg/L)	Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (µg/L)	Cr^{+6} (µg/L)	Total Chromium	
													Unfilt.	Filt.
199-K-34	M	10/18/07	10.4	10/18/07	7.7	4 (U)	10/27/08	44.1	10/27/08	50.2	45	324.0	551.9	--
199-K-35	M	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-106A	M	10/19/07	4.3	10/19/07	24.9 (C)	20 (C)	10/6/08	4.8	10/6/08	13 (U)	13 (U)	11.6	--	--
199-K-107A	M	10/19/07	487 (D)	10/19/07	453	456	10/6/08	172	10/6/08	175	175	-64.7	-61.4	-61.6
199-K-108A	M	10/5/07	125	10/5/07	128	120	10/6/08	81.5	10/6/08	85.7	81.6	-34.8	-33.0	-32.0
199-K-31	M	--	--	10/17/07	19.7	10.2	--	--	10/27/08	10 (U)	13.7 (B)	--	--	34.3
199-K-132	E	10/17/07	86	10/17/07	98.2	97.8	10/23/08	41	10/28/08	45.9	41.2	-52.3	-53.3	-57.9
199-K-137	M	10/5/07	3,520 (D)	10/5/07	3,550	3,350	10/28/08	1,390	10/28/08	1,260	1,230	-60.5	-64.5	-63.3
199-K-138	E	10/19/07	53.7	10/19/07	69.4 (C)	74.3 (C)	10/28/08	40.5	--	--	--	-24.6	--	--
199-K-139	E	10/5/07	198	10/5/07	186	196	10/31/08	124	--	--	--	-37.4	--	--
199-K-140	E	10/8/07	21.2	10/8/07	20.2 (C)	26.2 (C)	10/28/08	14.1	--	--	--	-33.5	--	--
199-K-158	--	--	--	--	--	--	--	--	--	--	--	--	--	--
199-K-165	M	--	--	--	--	--	10/27/08	3,008.2 (D)	10/27/08	2,801.8 (D)	--	--	--	--
199-K-166	M	--	--	--	--	--	10/28/08	124.2	10/28/08	131.9	--	--	--	--
199-K-168	M	--	--	--	--	--	10/29/08	38.9	10/29/08	39.3	--	--	--	--
199-K-173	M	--	--	--	--	--	10/28/08	67.7	10/28/08	63.3	--	--	--	--

Table F-2. Change in Hexavalent Chromium and Total Chromium from 2007 to 2008 in Wells and Aquifer Tubes Monitoring the KW Reactor Area. (2 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. Since 2007 Sampling (Negative = Decrease)		
		Filt. & Unfilt. Cr^{+6}		Total Chromium			Filt. & Unfilt. Cr^{+6}		Total Chromium					
		Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (mg/L)	Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (µg/L)	Cr^{+6} (µg/L)	Total Chromium Unfilt.	Total Chromium Filt.
Aquifer Tubes														
17-D	AT	12/3/07	24.3	12/3/07	4.4	4.0 (U)	--	--	--	--	--	--	--	--
AT-K-1-D/M	AT	12/3/07	41.9	12/3/07	7.5	9.8	--	--	--	--	--	--	--	--

NOTES:

1. Laboratory qualifiers: B = detected above instrument or method detection limit, but below contract-required detection limit; D = sample diluted; C = analyte detected in both the sample and the associated quality control blank, and the sample concentration was less than or equal to five times the blank concentration; U = analyte undetected and the detection limit is included within parentheses.
2. Well use: C = compliance, E = extraction, I= injection, M = monitoring.
3. Abbreviations: NA = not available, NC = not calculated, UF = unfiltered, µg/L= micrograms/liter (parts per billion [ppb]); AT=aquifer tube.
4 Aquifer tube nomenclature regarding relative depth: D = deepest, M = middle, S = shallowest.
5. Change in hexavalent chromium concentration at site AT-K-1 included sample results from both the middle and deep tube in cluster because all tubes not sampled each year.
6. Change in hexavalent chromium concentration is not calculated when "U" (undetected) values are included in comparison. Where both values have "U" qualifier, the values are assumed not to have changed significantly.
7. Blank cells indicate that the sample was not collected, the analysis was not performed, or the change in concentration was not calculated.

Table F-3. Change in Hexavalent Chromium and Total Chromium from 2007 to 2008 in Wells and Aquifer Tubes Monitoring the KE Reactor Area. (2 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. Since 2007 Sampling (Negative = Decrease)		
		Filt. & Unfilt. Cr^{+6}		Total Chromium			Filt. & Unfilt. Cr^{+6}		Total Chromium					
		Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (mg/L)	Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (µg/L)	Cr^{+6} (µg/L)	Total Chromium Unfilt.	Total Chromium Filt.
199-K-32A	M	--	--	10/17/07	22.8	11.1	10/27/08	13.1	10/27/08	21.6	21.4	--	-5.3	92.8
199-K-32B	M	--	--	10/16/07	7.2	5	10/27/08	6.8	10/27/08	32.2	27.5	--	347.2	450.0
199-K-30	M	--	--	10/19/07	22.9 (C)	21.2 (C)	10/27/08	3.3	10/27/08	10 (U)	10 (U)	--	--	--
199-K-29	M	--	--	10/5/07	9.9	6.6	--	--	--	--	--	--	--	--
199-K-27	M	--	--	10/11/07	5.6	7.7	--	--	--	--	--	--	--	--
199-K-23	M	10/18/07	31.4	--	38.3	30	10/27/08	2 (U)	10/27/08	20.8	11.3 (B)	--	-45.7	-62.3
199-K-11	M	12/18/07	2 (U)	--	7.9	--	10/6/08	2 (U)	10/6/08	13 (U)	13 (U)	--	--	--
199-K-110A	M	--	--	10/11/07	47.5	9.6	--	--	10/6/08	22.1 (B)	13 (U)	--	-53.5	--
199-K-36	M	10/19/07	31.6	10/19/07	68.9 (C)	42.8 (C)	10/27/08	21.4	10/27/08	47.1	31.7	-32.3	-31.6	-25.9
199-K-141	M	8/14/07	278	10/8/07	293	284	10/28/08	421.0	10/28/08	427	402	51.4	45.7	41.5
199-K-142	M	--	--	10/8/07	11.8 (C)	7.6 (C)	10/28/08	5.8	10/28/08	14.1 (B)	10 (U)	--	19.5	--
Aquifer Tubes														
C6239	AT	--	--	--	--	--	9/30/08	11.4	--	--	--	--	--	--
C6240	AT	--	--	--	--	--	9/30/08	16.6	--	--	--	--	--	--
C6241	AT	--	--	--	--	--	9/30/08	32.1	--	--	--	--	--	--
C6242	AT	--	--	--	--	--	9/30/08	17.9	--	--	--	--	--	--
C6243	AT	--	--	--	--	--	9/30/08	20.5	--	--	--	--	--	--
C6244	AT	--	--	--	--	--	9/30/08	14.0	--	--	--	--	--	--

Table F-3. Change in Hexavalent Chromium and Total Chromium from 2007 to 2008 in Wells and Aquifer Tubes Monitoring the KE Reactor Area. (2 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample					Fall 2008 Sample					Percent Change in Conc. Since 2007 Sampling (Negative = Decrease)		
		Filt. & Unfilt. Cr^{+6}		Total Chromium			Filt. & Unfilt. Cr^{+6}		Total Chromium					
		Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (mg/L)	Date Collected	Conc. (µg/L)	Date Collected	Unfilt. (µg/L)	Filt. (µg/L)	Cr^{+6} (µg/L)	Total Chromium	
													Unfilt.	Filt.
C6245	AT	--	--	--	--	--	9/30/08	16.6	--	--	--	--	--	--
C6246	AT	--	--	--	--	--	9/30/08	14.0	--	--	--	--	--	--
C6247	AT	--	--	--	--	--	9/30/08	12.7	--	--	--	--	--	--
18-S	AT	12/3/07	2 (U)	12/3/07	4 (U)	5	--	--	--	--	--	--	--	--
19-D	AT	12/7/07	5	12/7/07	4 (U)	4 (U)	--	--	--	--	--	--	--	--
AT-K-2-D	AT	--	--	--	--	--	--	--	--	--	--	--	--	--

NOTES:

1. Well 199-K-32B is screened within the Ringold Upper Mud Unit, and well 199-K-32A is screened within the Ringold Unit E.
2. Well and aquifer tube use: M = monitoring, AT = aquifer tube.
3. Aquifer tube nomenclature regarding relative depth: D = deepest, M = middle, S = shallowest.
4. F = filtered, UF = unfiltered.
5. Laboratory qualifiers: 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 the associated quality control blank, and the sample concentration was less than or equal to five times the blank concentration.
6. Change in hexavalent chromium concentration is not calculated when "U" (undetected) values are involved in calculation. Where both values have a "U" qualifier, the values are assumed not to have changed significantly.
7. Blank cells indicate that the sample was not collected, the analysis was not performed, or the change in concentration was not calculated.

Table F-4 . Change in Strontium-90 Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (3 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Sr-90 Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	Sr-90 (pCi/L)	Date Collected	Sr-90 (pCi/L)	
199-K-111A	M	NS	NA	--	--	--
199-K-113A	E	11/26/07	-2.7 (U)	--	--	--
199-K-114A	C/E	11/26/07	21	--	--	--
199-K-115A	E	11/26/07	6.4	--	--	--
199-K-116A	E	11/26/07	3	--	--	--
199-K-117A	C	10/5/07	1.55	10/6/08	0.18 (U)	--
199-K-118A/125A	E	11/26/07	-11.9 (U)	--	--	--
199-K-119A	E	11/26/07	-0.77 (U)	--	--	--
199-K-120A	E	11/26/07	-17 (U)	--	--	--
199-K-121A	I	NS	NA	--	--	--
199-K-122A	I	NS	NA	--	--	--
199-K-123A	I	NS	NA	--	--	--
199-K-124A	I	NS	NA	--	--	--
199-K-126	C/E/M	--	--	--	--	--
199-K-127	E	10/29/07	22	--	--	--
199-K-129/K-112A	E	11/26/07	-18 (U)	--	--	--
199-K-130	M	10/5/07	0.138 (U)	--	--	--
199-K-131	M	10/5/07	0.17 (U)	--	--	--
199-K-143	M	--	--	--	--	--
199-K-144	E	--	--	--	--	--
199-K-145	E	--	--	--	--	--
199-K-146	E	--	--	--	--	--
199-K-147	E	--	--	--	--	--
199-K-148	E	--	--	--	--	--
199-K-149	E	--	--	--	--	--
199-K-150	E	--	--	--	--	--
199-K-151	M	--	--	11/24/08	-7.2 (U)	--
199-K-152	M	--	--	9/24/08	3	--
199-K-153	M	--	--	9/24/08	-1.2 (U)	--
199-K-154	M	--	--	9/24/08	0.53 (U)	--
199-K-156	I	--	--	--	--	--
199-K-157	M	--	--	11/18/08	0.6 (U)	--
199-K-159	I	--	--	--	--	--
199-K-160	I	--	--	--	--	--
199-K-161	E	--	--	--	--	--
199-K-162	E	--	--	--	--	--
199-K-163	M	--	--	--	--	--
199-K-164	I	--	--	--	--	--

Table F-4 . Change in Strontium-90 Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (3 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Sr-90 Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	Sr-90 (pCi/L)	Date Collected	Sr-90 (pCi/L)	
199-K-169	I	--	--	--	--	--
199-K-170	I	--	--	--	--	--
199-K-171	I	--	--	--	--	--
199-K-172	I	--	--	--	--	--
199-K-18	C	10/11/07	0.0404 (U)	10/23/08	-1.38 (U)	--
199-K-19	M	NS	--	--	--	--
199-K-20	C	10/5/07	6.05	10/27/08	3.05	-49.6
199-K-21	M	10/16/07	32.5	10/23/08	26.7	-17.8
199-K-22	M	10/16/07	7.3	10/23/08	6.78	-7.1
199-K-37	M	NS	--	--	--	--
199-N-16	M	--	--	--	--	--
199-N-71	M	--	--	--	--	--
199-N-72	M	--	--	--	--	--
699-78-62	M	NS	--	--	--	--
Aquifer Tubes						
C6248	AT	--	--	9/30/08	-2.7 (U)	--
C6249	AT	--	--	9/30/08	-0.39 (U)	--
C6250	AT	--	--	9/30/08	0.73 (U)	--
C6252	AT	--	--	11/6/08	-0.578 (U)	--
C6253	AT	--	--	11/6/08	-1.03 (U)	--
C6254	AT	--	--	11/5/08	0.964 (U)	--
C6255	AT	--	--	11/5/08	-0.599 (U)	--
C6256	AT	--	--	11/5/08	-0.209 (U)	--
C6257	AT	--	--	11/10/08	0.545 (U)	--
C6258	AT	--	--	11/10/08	-2.35 (U)	--
C6259	AT	--	--	11/10/08	-2.19 (U)	--
C6260	AT	--	--	11/10/08	-1.41 (U)	--
C6261	AT	--	--	11/10/08	-1.86 (U)	--
19-D/M	AT	12/7/07	1.77	--	--	--
21-M	AT	11/29/07	1.07	--	--	--
22-M/D	AT	1/22/07	-1.06 (U)	--	--	--
23-D	AT	2/20/07	0.07 (U)	--	--	--
DK-04-2	AT	--	--	--	--	--
AT-K-3-D/M	AT	12/3/07	0.01 (U)	--	--	--
AT-K-4-M	AT	11/28/07	0.59 (U)	--	--	--
AT-K-5-D/M	AT	11/28/07	0.06 (U)	--	--	--
AT-K-6-M	AT	1/11/07	-0.79 (U)	--	--	--

Table F-4 . Change in Strontium-90 Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (3 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Sr-90 Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	Sr-90 (pCi/L)	Date Collected	Sr-90 (pCi/L)	

NOTES:

1. Well use: C = compliance, E = extraction, I = injection, M = monitoring; AT = aquifer tube.
2. Abbreviations: NA = not available, NC = not calculated, NS = not sampled.
3. Aquifer tube nomenclature indicates relative depth: D = deepest, M = middle, S = shallowest.
4. Laboratory qualifiers: U = undetected, J = value reported is estimated.
5. Change in strontium-90 concentration at some aquifer tube clusters may include sample results from both the middle and deep tube in cluster because all tubes not sampled each year.
6. Change in stontium-90 concentration not calculated when "U" (undetected) values are compared.
7. Blank cells indicate that the sample was not collected, the analysis was not performed, or the change in concentration was not calculated.

Table F-5 . Change in Strontium-90 in Wells and Aquifer Tubes Monitoring the KW Reactor Area.

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Sr-90 Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	Sr-90 (pCi/L)	Date Collected	Sr-90 (pCi/L)	
199-K-34	M	10/18/07	37.3	10/27/08	36.4	-2.4
199-K-35	M	NS	--	--	--	--
199-K-106A	M	NS	--	--	--	--
199-K-107A	M	10/19/07	24.2	10/6/08	24.0	-0.8
199-K-108A	M	11/16/07	0.29 (U)	11/18/08	-1.03 (U)	
199-K-31	M	NS	NA	--	--	--
199-K-132	E	11/29/07	-2.10 (U)	10/28/08	-2.38 (U)	--
199-K-137	M	12/5/07	-0.03 (U)	10/28/08	-0.686 (U)	--
199-K-138	E	11/29/07	1.80	10/28/08	-0.602 (U)	--
199-K-139	E	11/29/07	2.60	10/30/08	0.717 (U)	--
199-K-140	E	11/29/07	0.17 (U)	10/28/08	0.026 (U)	--
199-K-158	M	--	--	--	--	--
199-K-165	M	--	--	11/10/08	-1.89 (U)	--
199-K-166	M	--	--	11/10/08	-1.41 (U)	--
199-K-168	M	--	--	11/10/08	-1.87 (U)	--
199-K-173	M	--	--	9/27/08	-4 (U)	--
Aquifer Tubes						
AT-K-1-D/M	AT	12/3/07	NS	--	--	--

NOTES:

1. Well use: C = compliance, E = extraction, I = injection, M = monitoring.
2. Abbreviations: AT = aquifer tube, NA = not available, NC = not calculated.
3. Aquifer tube nomenclature regarding relative depth: D = deepest, M = middle, S = shallowest.
4. Laboratory qualifiers: U = not detected in sample above detection limit.
5. Change in strontium-90 concentration at site AT-K-1 included sample results from both the middle and deep tube in cluster because all tubes not sampled each year.
6. Change in strontium-90 concentration is approximate when "U (undetected) values are used in calculation. Where both values have "U" qualifier, the values are assumed not to have changed significantly.
7. Blank cells indicate that the sample was not collected, the analysis was not performed, or the change in concentration was not calculated.

Table F-6. Change in Strontium-90 in Wells and Aquifer Tubes Monitoring the KE Reactor Area.

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Sr-90 Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	Sr-90 (pCi/L)	Date Collected	Sr-90 (pCi/L)	
199-K-32A	M	NS	NA	--	--	--
199-K-32B	M (see note 1)	NS	NA	--	--	--
199-K-30	M	10/19/07	-0.00734 (U)	10/27/08	-2.49 (U)	--
199-K-29	M	10/5/07	0.0118 (U)			--
199-K-27	M	10/11/07	0.498			--
199-K-23	M	NS	NA	10/27/08	0.406 (U)	--
199-K-11	M	NS	NA	--	--	--
199-K-109A	M	10/5/07	1,505	--	--	--
199-K-110A	M	NS	NA	--	--	--
199-K-36	M	NS	NA	--	--	--
199-K-141	M	10/8/07	0.0111 (U)	10/28/08	-0.498 (U)	--
199-K-142	M	10/8/07	-0.0742 (U)	10/28/08	-1.42 (U)	--
Aquifer Tubes						
C6239	AT	--	--	9/30/08	-1 (U)	--
C6240	AT	--	--	9/30/08	0.29 (U)	--
C6241	AT	--	--	9/30/08	-0.61 (U)	--
C6242	AT	--	--	9/30/08	-1.5 (U)	--
C6243	AT	--	--	9/30/08	-1.9 (U)	--
C6244	AT	--	--	9/30/08	-1.3 (U)	--
C6245	AT	--	--	9/30/08	0.4 (U)	--
C6246	AT	--	--	9/30/08	3.3	--
C6247	AT	--	--	9/30/08	0.87 (U)	--
18-S	AT	NS	NA	--	--	--
19-D	AT	1/22/07	0.13 (U)	--	--	--
AT-K-2-M	AT	NS	NA	--	--	--

NOTES:

1. Well 199-K-32B is screened within the Ringold Upper Mud Unit and well 199-K-32A is screened within Ringold Unit E.
2. Well and aquifer tube use: M = monitoring, AT = aquifer tube.
3. Abbreviations: NA = not available, NC = not calculated, NS = not sampled.
4. Aquifer tube nomenclature regarding relative depth: D = deepest, M = middle, S = shallowest.
5. Laboratory qualifiers: J = reported value is an estimate; U = not detected in sample above detection limit.
6. Change in strontium-90 concentration is approximate when "U" (undetected) values are used in calculation. Where both values have "U" qualifier, the values are assumed not to have changed significantly.

Table F-7 . Change in Tritium Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (3 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Tritium Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	H-3 (pCi/L)	Date Collected	H-3 (pCi/L)	
199-K-111A	M	10/11/07	10,000	10/6/08	6,000	-40.0
199-K-113A	E	11/26/07	-6.8 (U)	--	--	--
199-K-114A	C/E	11/26/07	-29 (U)	--	--	--
199-K-115A	E	11/26/07	-4.5 (U)	--	--	--
199-K-116A	E	11/26/07	2,900	--	--	--
199-K-117A	C	10/5/07	200 (U)	10/6/08	200 (U)	--
199-K-118A/125A	E	11/26/07	6,400	--	--	--
199-K-119A	E	11/26/07	7,000	--	--	--
199-K-120A	E	11/26/07	34,000	--	--	--
199-K-121A	I	5/22/07	7,600	--	--	--
199-K-122A	I	5/22/07	7,600	--	--	--
199-K-123A	I	5/22/07	7,600	--	--	--
199-K-124A	I	5/22/07	7,600	--	--	--
199-K-126	C/E/M	--	--	--	--	--
199-K-127	E	11/26/07	4,800	--	--	--
199-K-129/K-112A	E	11/26/07	93 (U)	--	--	--
199-K-130	M	10/5/07	1,250	--	--	--
199-K-131	M	10/5/07	4,300	--	--	--
199-K-143	M	--	--	--	--	--
199-K-144	E	--	--	10/7/08	200,000	--
199-K-145	E	--	--	--	--	--
199-K-146	E	--	--	--	--	--
199-K-147	E	--	--	--	--	--
199-K-148	E	--	--	--	--	--
199-K-149	E	--	--	--	--	--
199-K-150	E	--	--	--	--	--
199-K-151	M	--	--	--	--	--
199-K-152	M	--	--	12/8/08	800	--
199-K-153	M	--	--	12/1/08	0.9 (U)	--
199-K-154	M	--	--	--	--	--
199-K-156	I	--	--	--	--	--
199-K-157	M	--	--	11/18/08	320,000	
199-K-159	I	--	--	--	--	--
199-K-160	I	--	--	--	--	--
199-K-161	E	--	--	--	--	--
199-K-162	E	--	--	--	--	--
199-K-163	M	--	--	--	--	--

Table F-7 . Change in Tritium Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (3 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Tritium Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	H-3 (pCi/L)	Date Collected	H-3 (pCi/L)	
199-K-164	I	--	--	--	--	--
199-K-169	I	--	--	--	--	--
199-K-170	I	--	--	--	--	--
199-K-171	I	--	--	--	--	--
199-K-172	I	--	--	--	--	--
199-K-18	C	10/11/07	31,300	10/23/08	29,000	-7.3
199-K-19	M	10/17/07	3,600	10/23/08	2,900	-19.4
199-K-20	C	10/5/07	5,600	10/27/08	5,400	-3.6
199-K-21	M	10/16/07	330	10/23/08	240	-27.3
199-K-22	M	10/16/07	180 (U)	10/23/08	250	--
199-K-37	M	10/18/07	46 (U)	10/27/08	188 (U)	--
199-N-16	M	--	--	--	--	--
199-N-71	M	--	--	--	--	--
199-N-72	M	--	--	--	--	--
699-78-62	M	12/3/07	7.2 (U)	11/23/08	1700	--
Aquifer Tubes						
C6248	AT	--	--	9/30/08	120 (U)	--
C6249	AT	--	--	9/30/08	240.0	--
C6250	AT	--	--	9/30/08	580.0	--
C6252	AT	--	--	11/6/08	-78 (U)	--
C6253	AT	--	--	11/6/08	98 (U)	--
C6254	AT	--	--	11/5/08	-4 (U)	--
C6255	AT	--	--	11/5/08	4.9 (U)	--
C6256	AT	--	--	11/5/08	32 (U)	--
C6257	AT	--	--	11/10/08	24.8 (U)	--
C6258	AT	--	--	11/10/08	45.5 (U)	--
C6259	AT	--	--	11/10/08	-58.1 (U)	--
C6260	AT	--	--	11/10/08	37.8 (U)	--
C6261	AT	--	--	11/10/08	85.1 (U)	--
19-D/M	AT	12/7/07	180 (U)	--	--	--
21-M	AT	11/29/07	120 (U)	--	--	--
22-M/D	AT	12/3/07	68 (U)	--	--	--
23-D	AT	11/28/07	39 (U)	--	--	--
26-D	AT	--	--	8/19/08	1,900	--
DK-04-2	AT	12/3/07	3,800	--	--	--
AT-K-3-D/M	AT	12/3/07	2,900	--	--	--
AT-K-4-M	AT	11/28/07	-46 (U)	--	--	--

Table F-7 . Change in Tritium Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (3 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Tritium Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	H-3 (pCi/L)	Date Collected	H-3 (pCi/L)	
AT-K-5-D/M	AT	11/28/07	120 (U)	--	--	--
AT-K-6-M	AT	11/27/07	3,900	--	--	--

NOTES:

1. Well use: C = compliance, E = extraction, I = injection, M = monitoring; AT = aquifer tube.
2. Abbreviations: NA = not available, NC = not calculated, NS = not sampled.
3. Aquifer tube nomenclature indicates relative depth: D = deepest, M = middle, S = shallowest.
4. Laboratory qualifiers: U = undetected, J = value reported is estimated.
5. Change in strontium-90 concentration at some aquifer tube clusters may include sample results from both the middle and deep tube in cluster because all tubes not sampled each year.
6. Change in stontium-90 concentration not calculated when "U" (undetected) values are compared.
7. Blank cells indicate that the sample was not collected, the analysis was not performed, or the change in concentration was not calculated.

Table F-8 . Change in Tritium in Wells and Aquifer Tubes Monitoring the KW Reactor Area.

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Tritium Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	H-3 (pCi/L)	Date Collected	H-3 (pCi/L)	
199-K-34	M	10/19/07	1,800	10/27/08	1,300	-27.8
199-K-35	M	11/29/07	1,800	--	--	--
199-K-106A	M	10/19/07	10,000	10/6/08	21,000	110.0
199-K-107A	M	10/19/07	750	10/6/08	760	1.3
199-K-108A	M	11/16/07	460	10/6/08	920	100.0
199-K-31	M	10/17/07	1,300	10/27/08	1,300	0.0
199-K-132	E	11/29/07	4,000	10/28/08	5,850	46.3
199-K-137	M	10/5/07	1,500	10/28/08	1,600	6.7
199-K-138	E	11/29/07	5,700	10/28/08	1,200	-78.9
199-K-139	E	11/29/07	1,000	10/30/08	1,500	50.0
199-K-140	E	11/29/07	2,000	10/28/08	1,475	-26.3
199-K-158	--	--	--	--	--	--
199-K-165	--	--	--	9/11/08	550	--
199-K-166	--	--	--	9/25/08	1,200	--
199-K-168	--	--	--	10/29/08	1,293	--
199-K-173	--	--	--	9/27/08	910	--
Aquifer Tubes						
AT-K-1-D	AT	12/3/07	140 (U)	--	--	--

NOTES:
1. Well use: C = compliance, E = extraction, I = injection, M = monitoring.
2. Aquifer tube nomenclature regarding relative depth: D = deepest, M = middle, S = shallowest.
3. Abbreviations: AT = aquifer tube, NC = not calculated.
4. Laboratory qualifiers: U = not detected in sample above detection limit.
5. Change in tritium concentration not calculated when "U" (undetected) values are used in calculation. Where both values have "U" qualifier, the values are assumed not to have changed significantly.

Table F-9 . Change in Tritium in Wells and Aquifer Tubes Monitoring the KE Reactor Area.

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Tritium Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	H-3 (pCi/L)	Date Collected	H-3 (pCi/L)	
199-K-32A	M	10/17/07	4,900	10/27/08	4,200	-14.3
199-K-32B	M (see note 1)	10/16/07	42 (U)	10/27/08	140 (U)	--
199-K-30	M	10/19/07	270,000	10/27/08	410,000	51.9
199-K-29	M	11/2/07	17,000	9/29/08	7,100	-58.2
199-K-27	M	11/2/07	4,600	--	--	--
199-K-23	M	10/18/07	42 (U)	10/27/08	120 (U)	--
199-K-11	M	NS	--	10/6/08	140 (U)	--
199-K-110A	M	10/11/07	96 (U)	10/6/08	160 (U)	--
199-K-36	M	10/19/07	210 (U)	10/27/08	172 (U)	--
199-K-141	M	10/8/07	4,800	11/9/08	4,500	-6.3
199-K-142	M	10/8/07	330	10/28/08	1200	263.6
Aquifer Tubes						
C6239	AT	--	--	9/30/08	460	--
C6240	AT	--	--	9/30/08	300	--
C6241	AT	--	--	9/30/08	490	--
C6242	AT	--	--	9/30/08	200 (U)	--
C6243	AT	--	--	9/30/08	340	--
C6244	AT	--	--	9/30/08	740	--
C6245	AT	--	--	9/30/08	1,900	--
C6246	AT	--	--	9/30/08	2,500	--
C6247	AT	--	--	9/30/08	4,400	--
18-S	AT	12/3/07	310	--	--	--
19-D	AT	12/7/07	180 (U)	--	--	--
AT-K-2-M	AT	12/3/07	130 (U)	--	--	--

NOTES:

1. Well 199-K-32B is screened within the Ringold Upper Mud Unit and well 199-K-32A is screened within Ringold Unit E.
2. Well and aquifer tube use: M = monitoring, AT = aquifer tube.
3. Aquifer tube nomenclature regarding relative depth: D = deepest, M = middle, S = shallowest.
4. Laboratory qualifiers: J = reported value is an estimate, U = not detected in sample above detection limit.
5. Change in tritium concentration is approximate when "U" (undetected) values are used in calculation. Where both values have "U" qualifier, the values are assumed not to have changed significantly.

NC = not calculated

Table FF-10. Change in Carbon-14 Concentrations from 2007 to 2008 for Well and Aquifer Tubes Monitoring the 116-K-2 Trench. (2 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in C-14 Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	C-14 (pCi/L)	Date Collected	C-14 (pCi/L)	
199-K-111A	M	10/11/07	157	10/6/08	185	17.8
199-K-18	C	1/28/2005	6.4 (U)	10/23/08	26.5	--
199-K-19	M	NS	NA	--	--	--
199-K-20	C	NS	NA	10/29/08	4.73 (U)	--
199-K-21	M	NS	NA	--	--	--
199-K-22	M	NS	NA	--	--	--
199-K-37	M	NS	NA	--	--	--
699-78-62	M	NS	NA	--	--	--
199-K-144	E	--	--	--	--	--
199-K-145	E	--	--	--	--	--
199-K-146	E	--	--	--	--	--
199-K-150	E	--	--	--	--	--
199-K-152	M	--	--	9/24/08	17.1	--
199-K-153	M	--	--	9/24/08	1.85 (U)	--
199-K-156	I	--	--	--	--	--
199-K-157	M	--	--	11/18/08	140	--
199-K-161	E	--	--	--	--	--
199-K-162	E	--	--	--	--	--
199-K-164	I	--	--	--	--	--
199-K-169	I	--	--	--	--	--
199-K-170	I	--	--	--	--	--
199-K-171	I	--	--	--	--	--
Aquifer Tubes						
C6248	AT	--	--	9/30/08	3.9 (U)	--
C6249	AT	--	--	9/30/08	18.5 (U)	--
C6250	AT	--	--	9/30/08	0.971 (U)	--
C6251	AT	--	--	11/6/08	-6.79 (U)	--
C6252	AT	--	--	11/6/08	2.47 (U)	--
C6253	AT	--	--	11/6/08	20.8 (U)	--
C6254	AT	--	--	11/5/08	5.12 (U)	--
C6255	AT	--	--	11/5/08	4.5 (U)	--
C6256	AT	--	--	11/5/08	40 (U)	--
C6257	AT	--	--	11/10/08	-1.9 (U)	--
C6258	AT	--	--	11/10/08	-11.4 (U)	--
C6259	AT	--	--	11/10/08	-7.53 (U)	--
C6260	AT	--	--	11/10/08	-29.1 (U)	--
C6261	AT	--	--	11/10/08	-4.44 (U)	--

Table FF-10. Change in Carbon-14 Concentrations from 2007 to 2008 for Well and Aquifer Tubes Monitoring the 116-K-2 Trench. (2 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in C-14 Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	C-14 (pCi/L)	Date Collected	C-14 (pCi/L)	
18-S	AT	12/3/07	31.1	--	--	--
19-D/M	AT	12/7/07	4.38 (U)	--	--	--
AT-K-3-D/M	AT	12/3/07	13.9	--	--	--

NOTES:

1. Well use: C = compliance, M = monitoring, AT = aquifer tube.
2. Abbreviations: NA = not available, NC = not calculated, NS = not sampled.
3. Aquifer tube nomenclature indicates relative depth: D = deepest, M = middle, S = shallowest.
4. Laboratory qualifiers: J = reported value is an estimate, U = not detected in sample above detection limit.
5. Change in carbon-14 concentration at some aquifer tube clusters may include sample results from both the middle and deep tube in cluster because all tubes not sampled each year.
6. Change in carbon-14 concentration not calculated when "U" (undetected) values are involved in calculation.

Table F-11. Change in Carbon-14 in Wells and Aquifer Tube Monitoring the KW Reactor Area.

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in CC-14 Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	C-14 (pCi/L)	Date Collected	C-14 (pCi/L)	
199-K-34	M	10/18/07	4,380	10/27/08	4,680	6.8
199-K-35	M	NS	NA	--	--	--
199-K-106A	M	10/19/07	5,400	10/6/08	2,860	-47.0
199-K-107A	M	10/19/07	198	10/6/08	302	52.5
199-K-108A	M	10/5/07	1,290	10/6/08	1,755	36.0
199-K-31	M	10/17/07	19.9	10/27/08	240	1,106
199-K-132	E	11/29/07	5,140	10/28/08	2,560	-50.2
199-K-137	M	11/29/07	3,040	10/28/08	1,830	-39.8
199-K-138	E	11/29/07	133	10/28/08	192	44.4
199-K-139	E	11/29/07	1,350	10/30/08	387	-71.3
199-K-140	E	11/29/07	720	10/28/08	692.5	-3.8
199-K-158	--	--	--	--	--	--
199-K-165	--	--	--	11/10/08	330	--
199-K-166	--	--	--	11/10/08	506	--
199-K-168	--	--	--	10/29/08	626	--
199-K-173	--	--	--	12/1/08	215	--
Aquifer Tubes						
AT-K-1-D	AT	12/3/07	32.1	--	--	--

NOTES:
1. Well use: E = extraction, M = monitoring, AT = aquifer tube.
2. Abbreviations: NA = not available, NC = not calculated, NS = not sampled.
3. Aquifer tube nomenclature regarding relative depth: D = deepest, M = middle, S = shallowest.
4. Laboratory qualifiers: J = value reported is an estimate.

Table F-12. Change in Carbon-14 in Wells and Aquifer Tubes Monitoring the KE Reactor Area.

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in C-14 Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	C-14 (pCi/L)	Date Collected	C-14 (pCi/L)	
199-K-32A	M	10/17/07	183	10/27/08	205	12.0
199-K-32B	M (see note 1)	NS	NA	--	--	--
199-K-30	M	10/19/07	6,400	10/27/08	6,130	-4.2
199-K-29	M	10/5/07	2,310	--	--	--
199-K-27	M	4/20/2001	172	--	--	--
199-K-23	M	1/17/2000	84 (J)	--	--	--
199-K-11	M	12/18/07	147	10/6/08	106	-27.9
199-K-110A	M	10/16/2003	61.4	--	--	--
199-K-36	M	NS	NA	--	--	--
199-K-141	M	10/8/07	80.7	10/28/08	84.4	4.6
199-K-142	M	10/8/07	304	10/28/08	291	-4.3
Aquifer Tubes						
C6239	AT	--	--	9/30/08	79.5	--
C6240	AT	--	--	9/30/08	113	--
C6241	AT	--	--	9/30/08	336	--
C6242	AT	--	--	9/30/08	127	--
C6243	AT	--	--	9/30/08	156	--
C6244	AT	--	--	9/30/08	408	--
C6245	AT	--	--	9/30/08	369	--
C6246	AT	--	--	9/30/08	510	--
C6247	AT	--	--	9/30/08	701	--
18-S	AT	12/3/07	31.1	--	--	--
19-D	AT	12/7/07	4.38 (U)	--	--	--
AT-K-2-M	AT	12/3/07	6.34 (U)	--	--	--

NOTES:

1. Well 199-K-32B is screened within the Ringold Upper Mud Unit and well 199-K-32A is screened within Ringold Unit E.
2. Well and aquifer tube use: M = monitoring, AT = aquifer tube.
3. Abbreviations: NA = not available, NC = no change in concentration, NS = not sampled.
4. Aquifer tube nomenclature regarding relative depth: D = deepest, M = middle, S = shallowest.
5. Laboratory qualifiers: J = value reported is an estimate, U = not detected in sample above detection limit.
6. Change in carbon-14 concentration not calculated when "U" (undetected) values are used in comparison. Where both values have "U" qualifier, the values are assumed not to have changed significantly.

Table F-13. Change in Nitrate Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (2 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Nitrate Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	NO_3 (pCi/L)	Date Collected	NO_3 (pCi/L)	
199-K-18	C	10/11/07	70,850	10/23/08	66,000 (D)	-6.8
199-K-19	M	10/11/07	40,200	10/23/08	38,500 (D)	-4.2
199-K-20	C	10/5/07	13,900	10/27/08	15,200 (D)	9.4
199-K-21	M	10/16/07	24,600	10/23/08	17,700 (D)	-28.0
199-K-22	M	10/16/07	19,200	10/23/08	16,500 (D)	-14.1
199-K-37	M	10/18/07	10,300	10/27/08	10,200 (D)	-1.0
199-K-111A	M	10/11/07	41,600	10/6/08	42,900 (DN)	3.1
199-K-117A	C	10/5/07	1,920	10/6/08	6,020 (D)	213.5
199-K-129	E	NS	NA	--	--	--
199-K-130	M	NS	NA	--	--	--
699-78-62	M	12/3/07	13,500	11/23/08	6,990 (D)	-48.2
Aquifer Tubes						
C6248	AT	--	--	9/30/08	1,400	--
C6249	AT	--	--	9/30/08	2,900	--
C6250	AT	--	--	9/30/08	4,380	--
C6251	AT	--	--	11/6/08	2,150	--
C6252	AT	--	--	11/6/08	748	--
C6253	AT	--	--	11/6/08	3,440	--
C6254	AT	--	--	11/5/08	447	--
C6255	AT	--	--	11/5/08	735	--
C6256	AT	--	--	11/5/08	2,640	--
C6257	AT	--	--	11/10/08	372 (B)	--
C6258	AT	--	--	11/10/08	336 (B)	--
C6259	AT	--	--	11/10/08	274 (B)	--
C6260	AT	--	--	11/10/08	2,380	--
C6261	AT	--	--	11/10/08	1,070	--
19-D/M	AT	12/7/07	890	--	--	--
21-M	AT	11/29/07	71.3 (B)	--	--	--
22-M/D	AT	12/3/07	859	--	--	--
23-D	AT	11/28/07	100 (B)	--	--	--
DK-04-2	AT	12/3/07	8,150	--	--	--

Table F-13. Change in Nitrate Concentrations from 2007 to 2008 for Wells and Aquifer Tubes Monitoring the 116-K-2 Trench. (2 pages)

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Nitrate Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	NO_3 (pCi/L)	Date Collected	NO_3 (pCi/L)	
AT-K-3-D/M	AT	12/3/07	0.01 (U)	--	--	--
AT-K-4-M	AT	11/28/07	0.59 (U)	--	--	--
AT-K-5-D/M	AT	11/28/07	0.06 (U)	--	--	--
AT-K-6-M	AT	1/11/07	-0.79 (U)	--	--	--

NOTES:

1 Well use: C = compliance, E = extraction, I = injection, M = monitoring; AT = aquifer tube.
2. Abbreviations: NA = not available, NC = not calculated, NS = not sampled.
3. Aquifer tube nomenclature indicates relative depth: D = deepest, M = middle, S = shallowest.
4. Laboratory qualifiers: B = analyte detected at concentration below the contract-required detection limit, but above the method of instrument detection limit; U = not detected in sample above detection limit.
5. Change in nitrate concentration at some aquifer tube clusters may include sample results from both the middle and deep tube in cluster because all tubes not sampled each year.
6. Change in nitrate concentration not calculated when "U" (undetected) values are compared.

Table F-14. Change in Nitrate in Wells and Aquifer Tubes Monitoring the KW Reactor Area.

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Nitrate Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	NO_3 (pCi/L)	Date Collected	NO_3 pCi/L)	
199-K-34	M	10/18/07	40,400	10/27/08	53,100 (D)	31.4
199-K-35	M	10/19/2006	14,200	--	--	--
199-K-106A	M	10/19/07	79,700	10/6/08	89,900 (DN)	12.8
199-K-107A	M	10/19/07	20,900	10/6/08	22,200 (DN)	6.2
199-K-108A	M	10/5/07	68,600	10/6/08	67,300 (DN)	-1.9
199-K-31	M	10/17/07	23,600	10/27/08	24,000 (D)	1.7
199-K-132	E	10/24/07	26,100	10/28/08	28,300 (D)	8.4
199-K-137	M	10/5/07	17,800	10/28/08	16,500 (D)	-7.3
199-K-138	E	10/19/07	20,700	--	--	--
199-K-139	E	10/5/07	26,800	--	--	--
199-K-140	E	10/8/07	21,200	--	--	--
199-K-158	--	--	--	--	--	--
199-K-165	--	--	--	9/11/08	17,400	--
199-K-166	--	--	--	9/25/08	193,000 (D)	--
199-K-168	--	--	--	--	--	--
199-K-173	--	--	--	9/27/08	17,400	--
Aquifer Tubes						
AT-K-1-D/M	AT	12/3/07	992	--	--	--

NOTES:

1 Well use: C = compliance, E = extraction, I = injection, M = monitoring; AT = aquifer tube.
2. Aquifer tube nomenclature indicates relative depth: D = deepest, M = middle, S = shallowest.
3. Change in nitrate concentration at some aquifer tube clusters may include sample results from both the middle and deep tube in cluster because all tubes not sampled each year.
4. Change in nitrate concentration not calculated when "U" (undetected) values are compared.

Table F-15. Change in Nitrate in Wells and Aquifer Tubes Monitoring the KE Reactor Area.

Well or Aquifer Tube	Use	Fall 2007 Sample		Fall 2008 Sample		Change in Nitrate Conc. Since 2007 Sampling (%) (Negative = Decrease)
		Date Collected	NO_3 (pCi/L)	Date Collected	NO_3 (pCi/L)	
199-K-32A	M	10/17/07	19,100	10/27/08	20,900 (D)	9.4
199-K-32B	M (see note 1)	10/16/07	10,600	--	--	--
199-K-30	M	10/19/07	54,000	10/27/08	79,700 (D)	47.6
199-K-29	M	10/5/07	17,000	--	--	--
199-K-27	M	10/11/07	30,100	--	--	--
199-K-23	M	10/18/07	75,300	10/27/08	63,700 (D)	-15.4
199-K-11	M	12/18/07	46,900	10/6/08	69,100 (D)	47.3
199-K-110A	M	10/11/07	11,200	10/6/08	9,960 (DN)	-11.1
199-K-36	M	10/19/07	25,600	10/27/08	22,100 (D)	-13.7
199-K-141	M	10/8/07	32,000	10/28/08	30,000 (D)	-6.3
199-K-142	M	10/8/07	4,360	10/28/08	3,130 (D)	-28.2
Aquifer Tubes						
C6239	AT	--	--	9/30/08	4,370	--
C6240	AT	--	--	9/30/08	16,100	--
C6241	AT	--	--	9/30/08	52,700 (D)	--
C6242	AT	--	--	9/30/08	31,400 (D)	--
C6243	AT	--	--	9/30/08	18,100	--
C6244	AT	--	--	9/30/08	31,600 (D)	--
C6245	AT	--	--	9/30/08	24,500	--
C6246	AT	--	--	9/30/08	24,600	--
C6247	AT	--	--	9/30/08	18,500	--
18-S	AT	12/3/07	13,400	--	--	--
19-D	AT	12/7/07	890	--	--	--
AT-K-2-M	AT	12/3/07	108 (B)	--	--	--

NOTES:

1. Well 199-K-32B is screened within the Ringold Upper Mud Unit and well 199-K-32A is screened within Ringold Unit E.
2. Well and aquifer tube use: M = monitoring, AT = aquifer tube.
3. Abbreviations: NC = no change in concentration.
4. Aquifer tube nomenclature regarding relative depth: D = deepest, M = middle, S = shallowest.
5. Laboratory qualifiers: B = analyte detected at concentration below the contract-required detection limit, but above the method of instrument detection limit; U = not detected in sample above detection limit.
6. Change in nitrate concentration is not calculated when "U" (undetected) values are used in comparison. Where both values have "U" qualifier, the values are assumed not to have changed significantly.

APPENDIX G

100-NR-2 CONTAMINANT DATA

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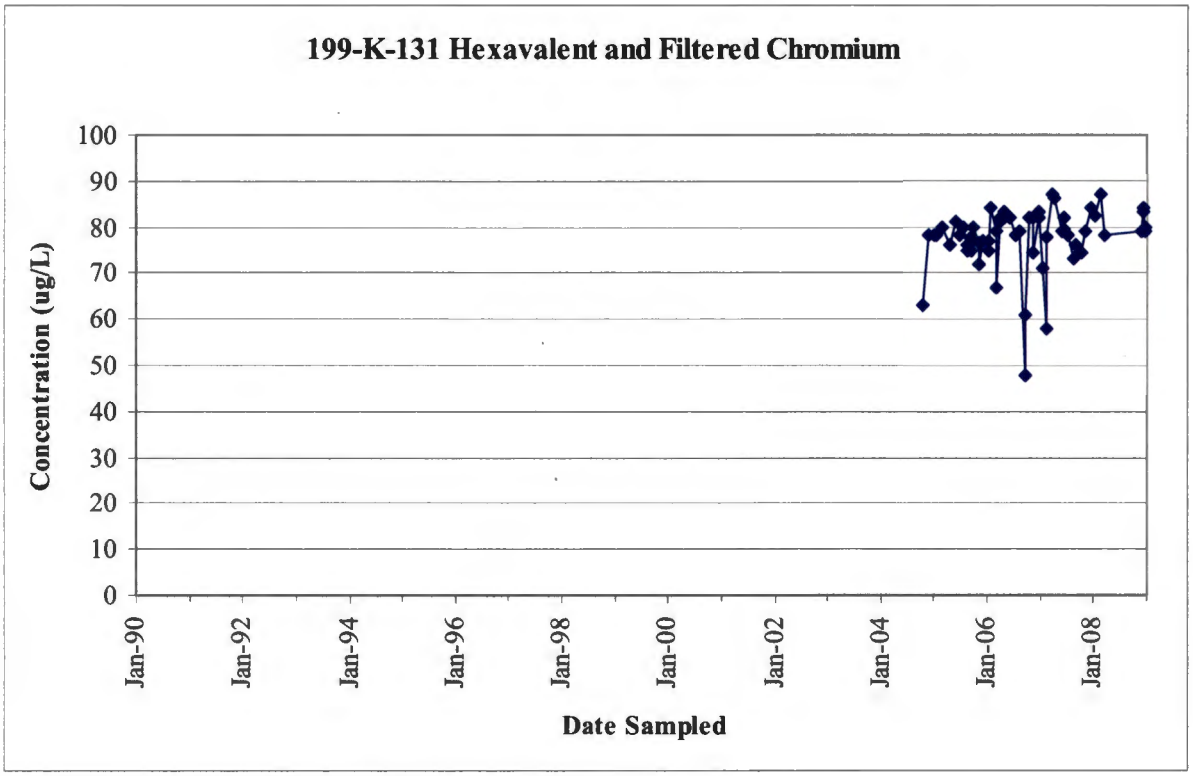
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100
90
80
70
60
50
40
30
20
10
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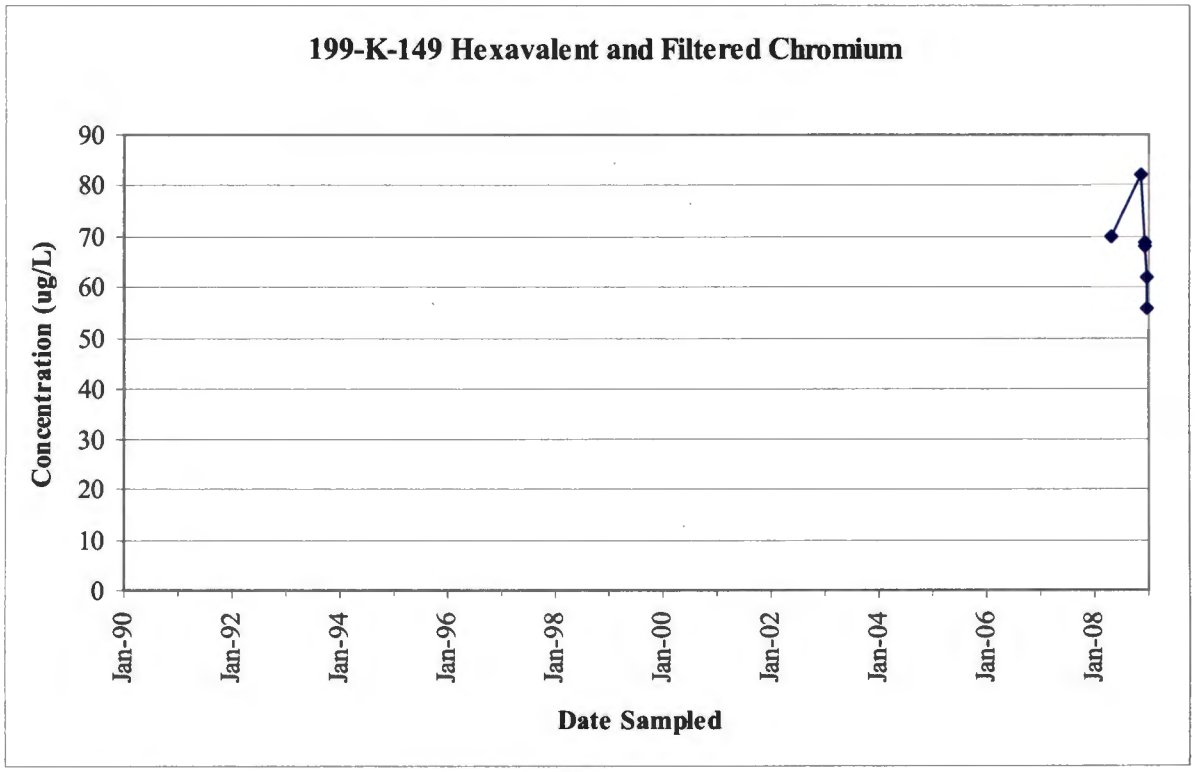
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled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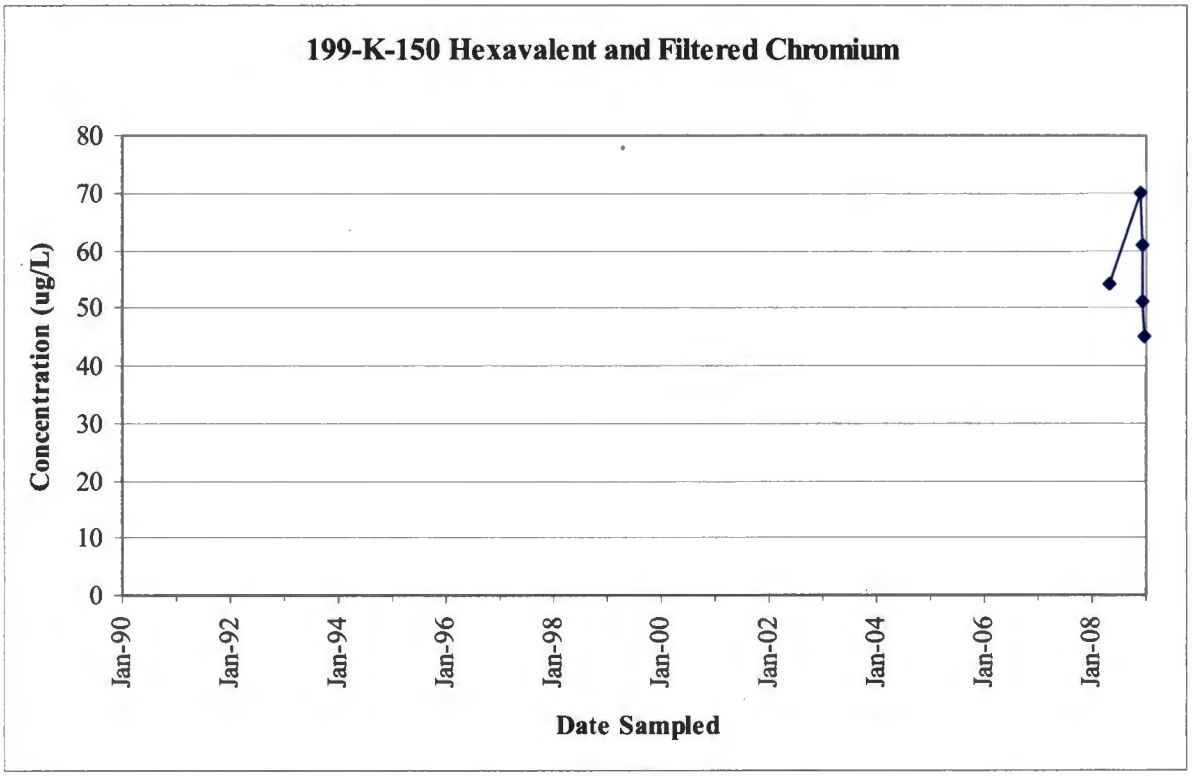
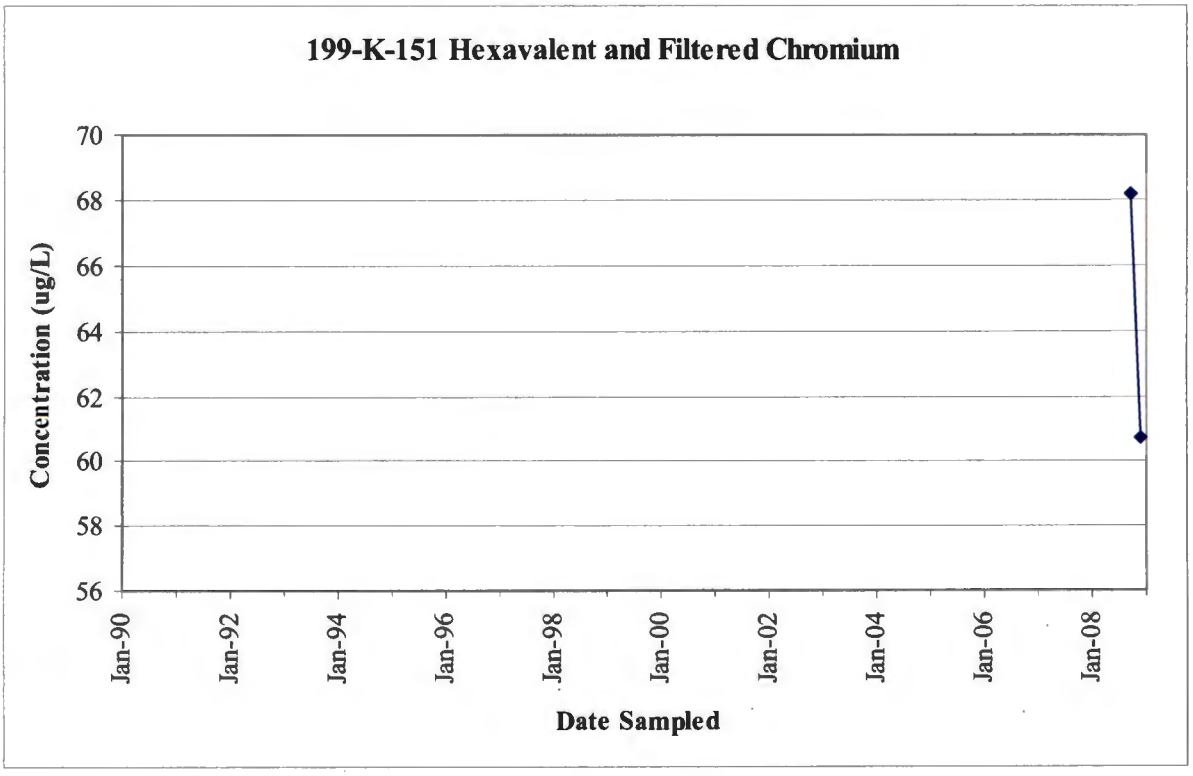
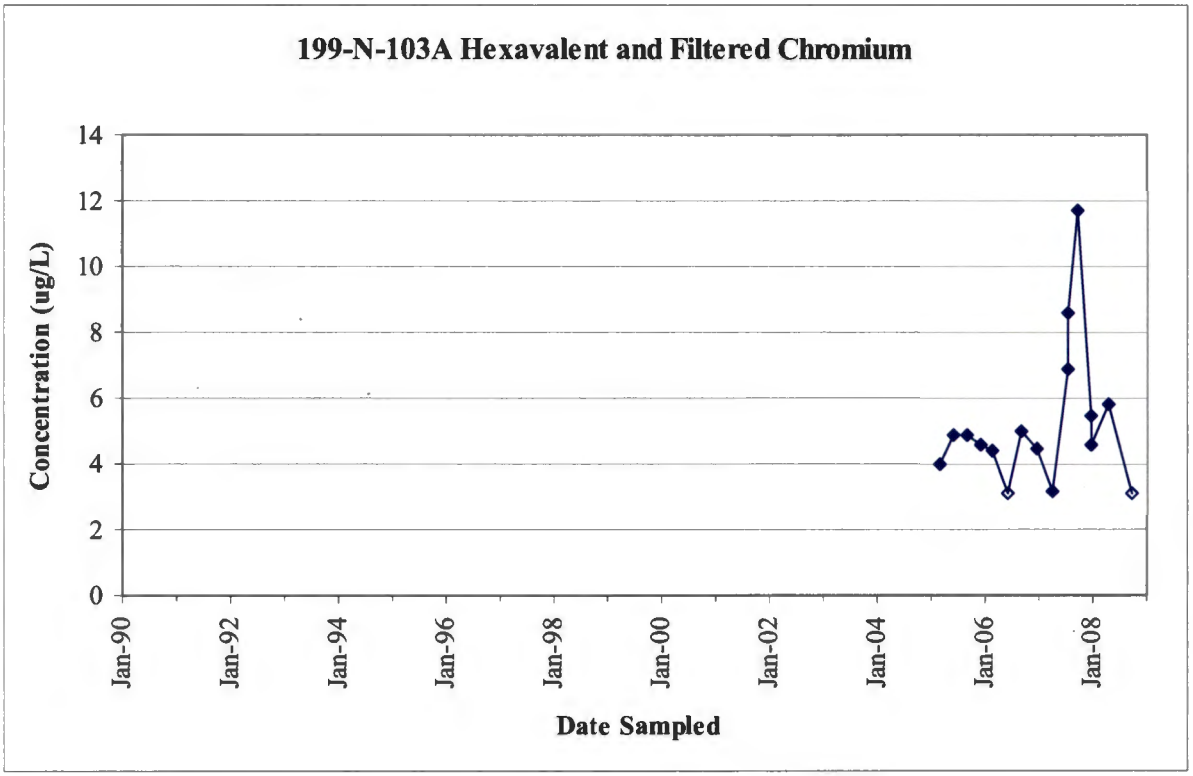
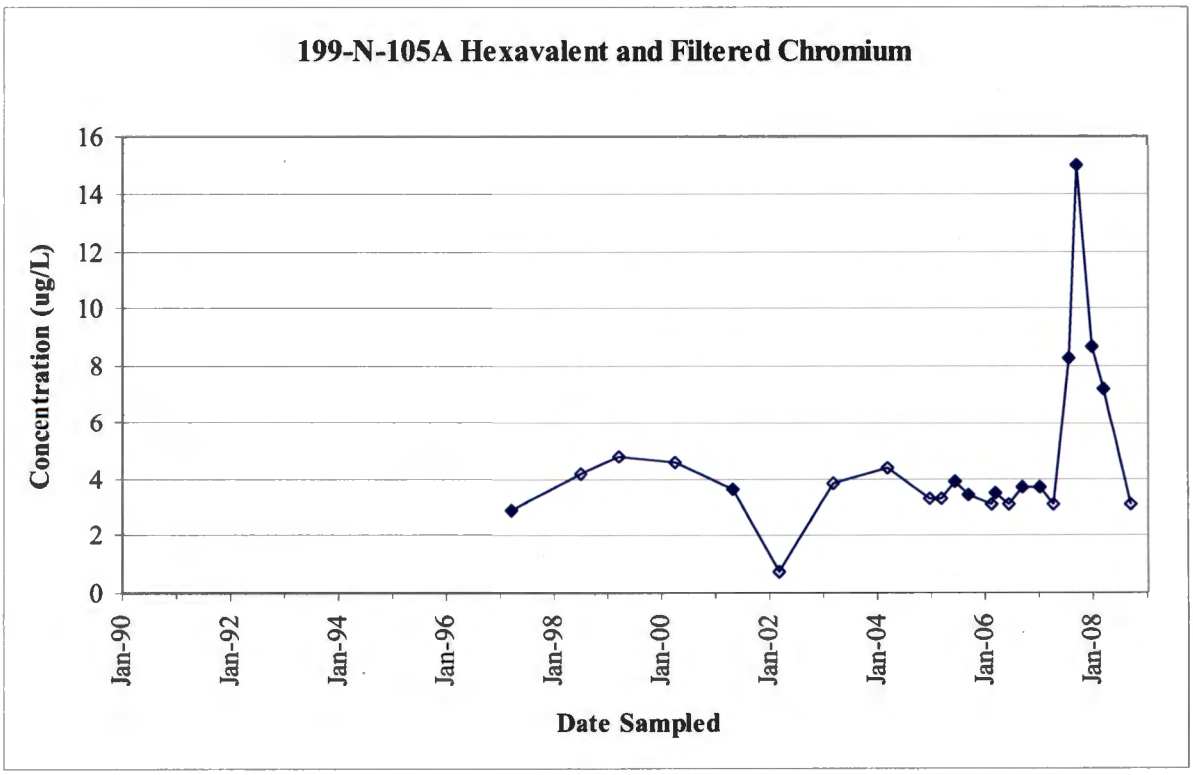
Concentration (ug/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-K-150 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-K-151 Hexavalent and Filtered Chromium
Concentration (ug/L)
70
68
66
64
62
60
58
56
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-N-103A Hexavalent and Filtered Chromium
Concentration (ug/L)
0
2
4
6
8
10
12
14
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled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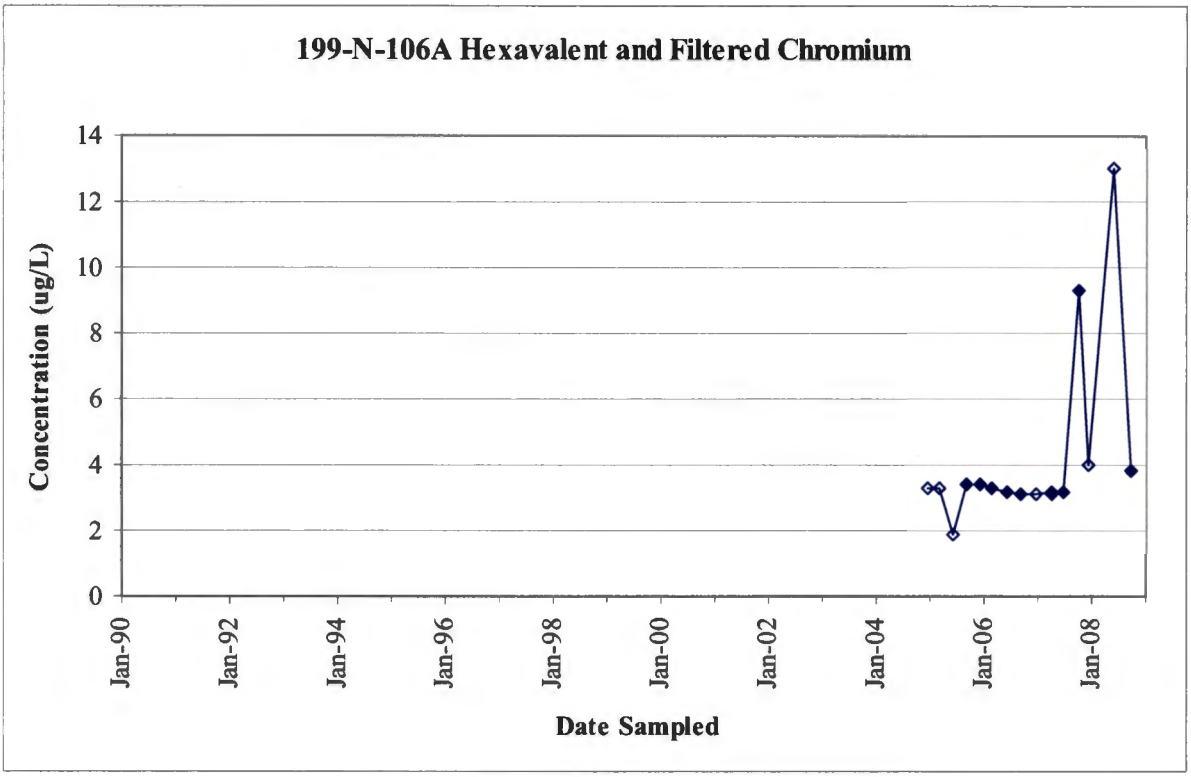
Concentration (ug/L)
0
2
4
6
8
10
12
14
16
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled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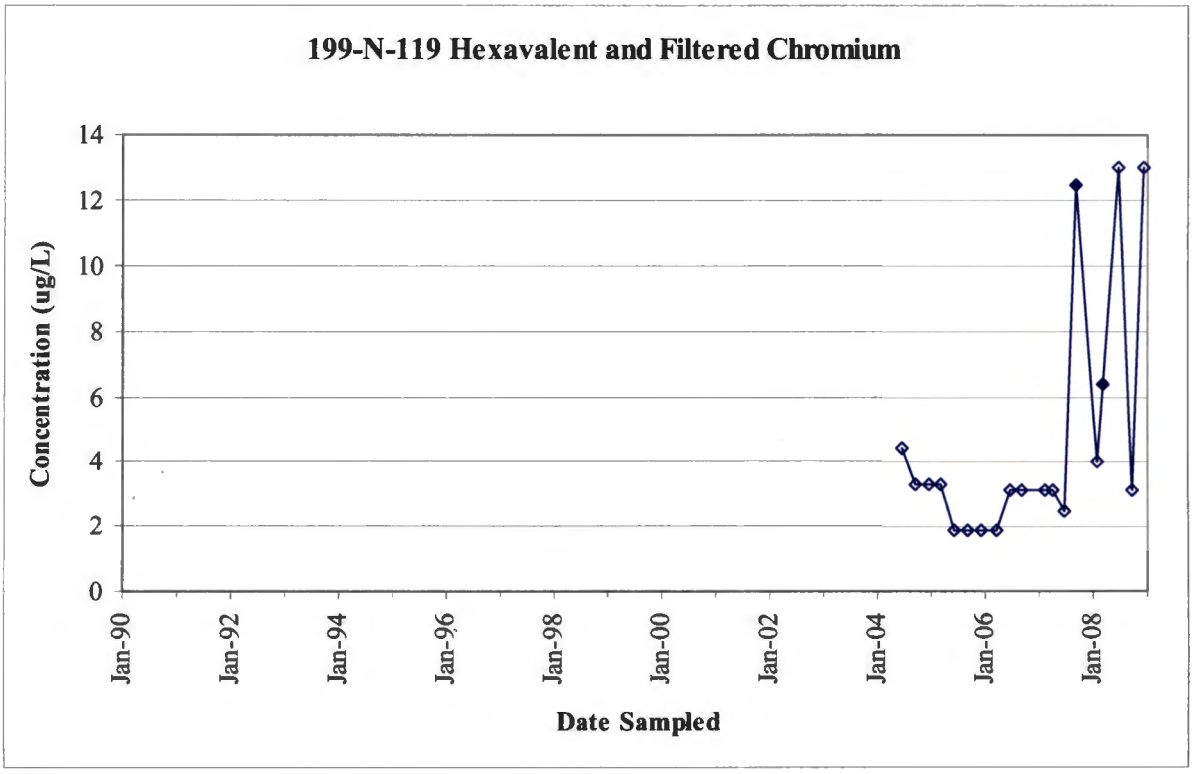
Concentration (ug/L)
0
2
4
6
8
10
12
14
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled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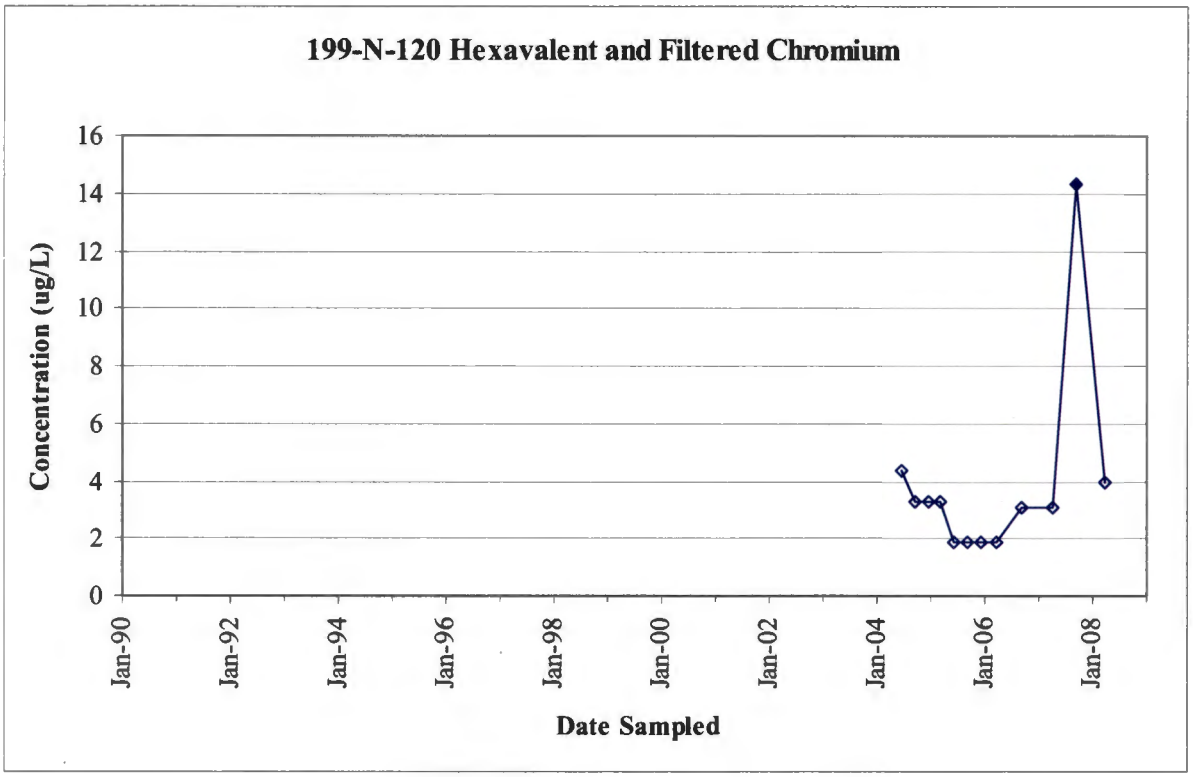
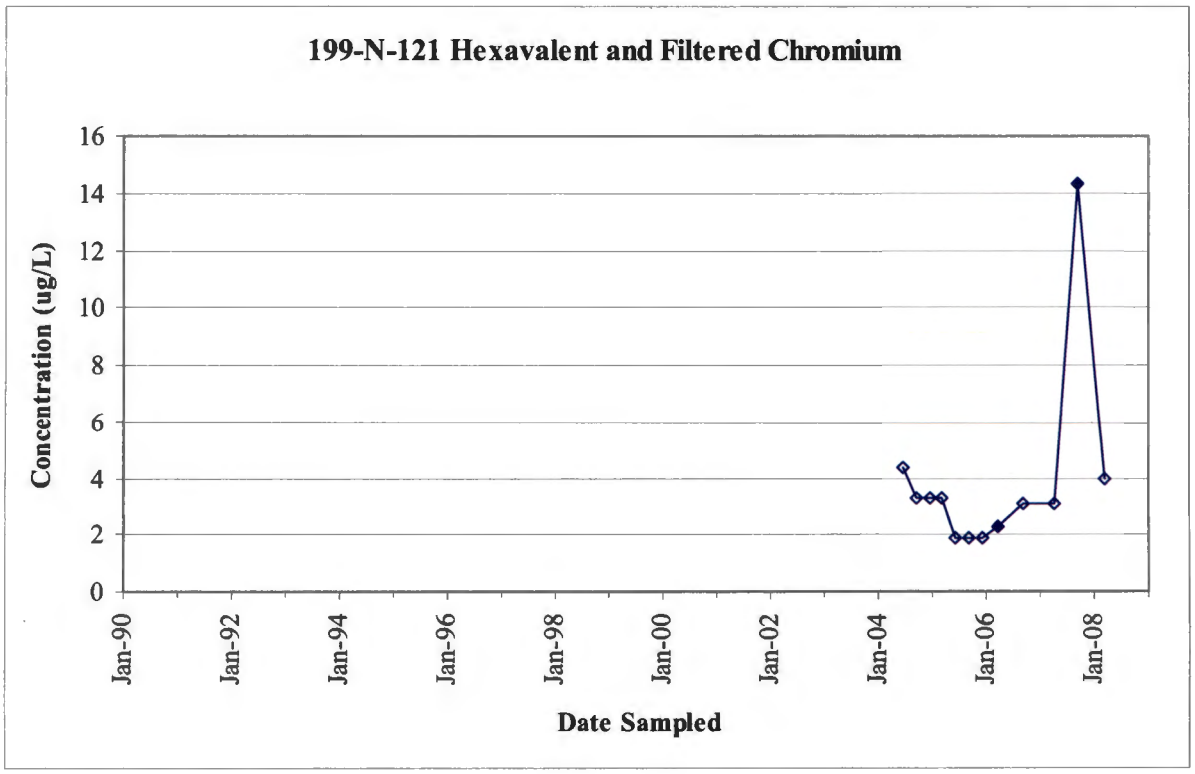
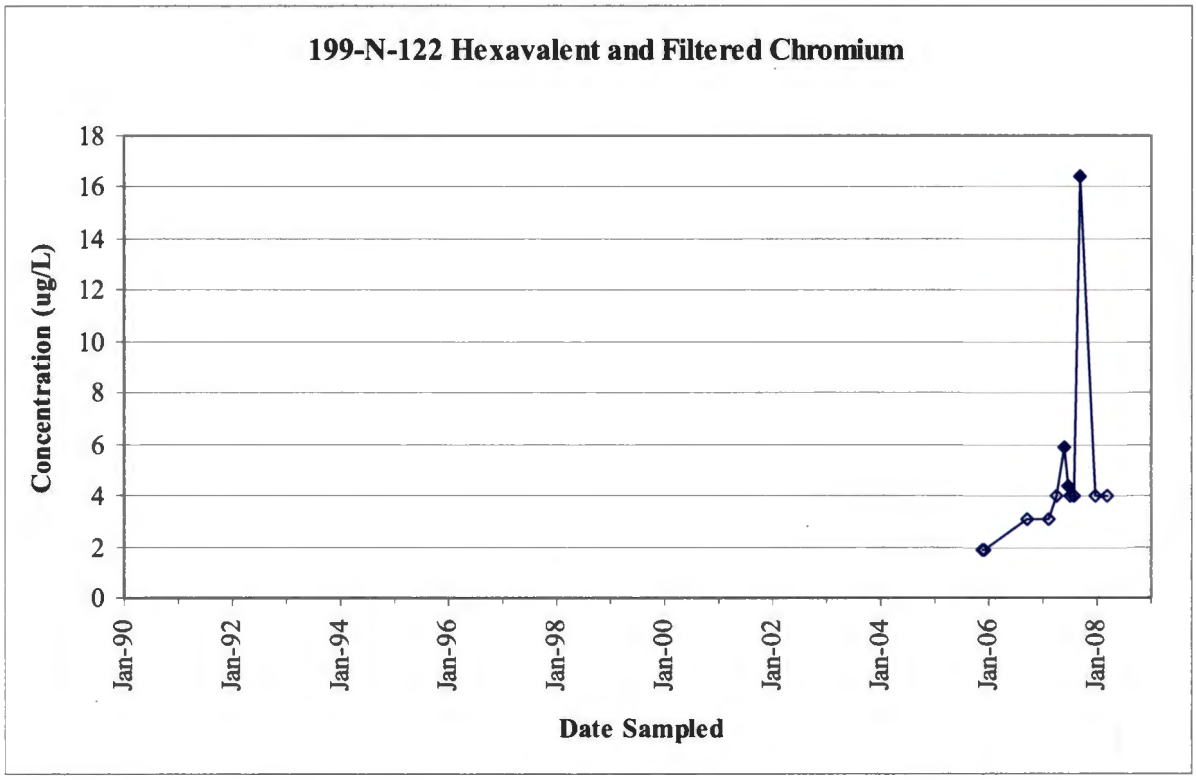
Concentration (ug/L)
0
2
4
6
8
10
12
14
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-N-120 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


199-N-121 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


199-N-122 Hexavalent and Filtered Chromium
Concentration (ug/L)
18
16
14
12
10
8
6
4
2
0
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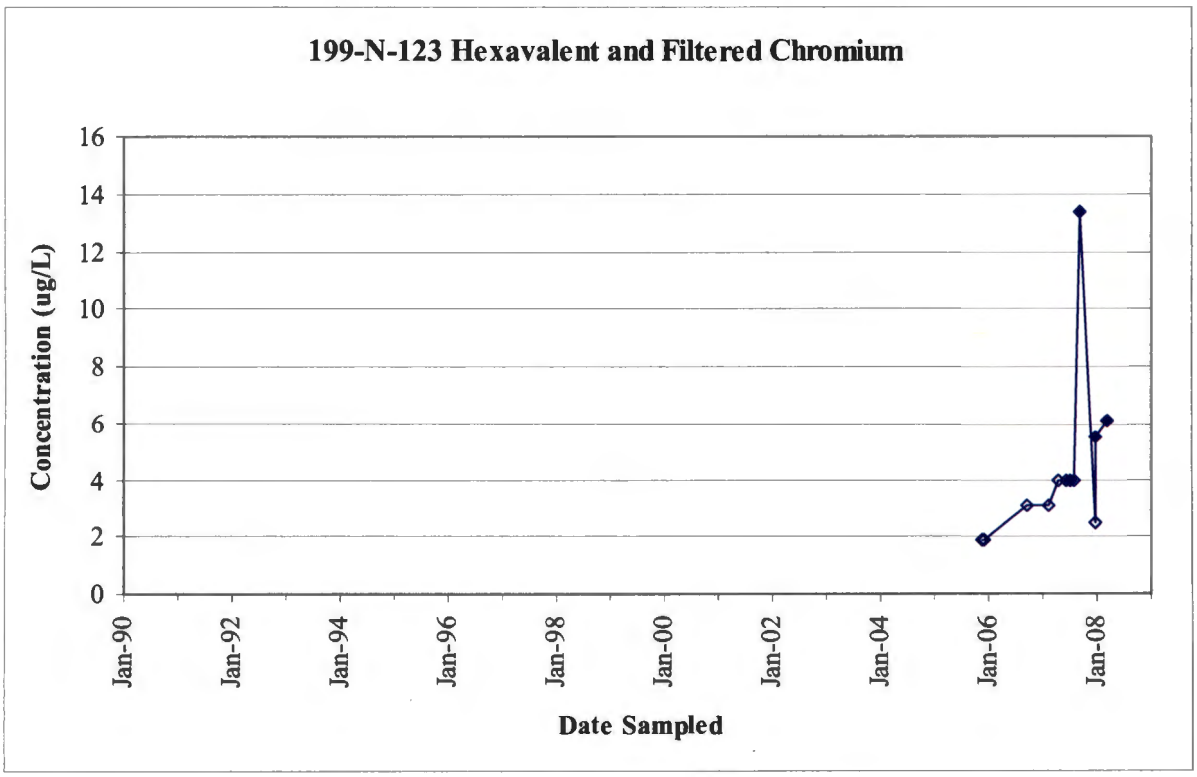
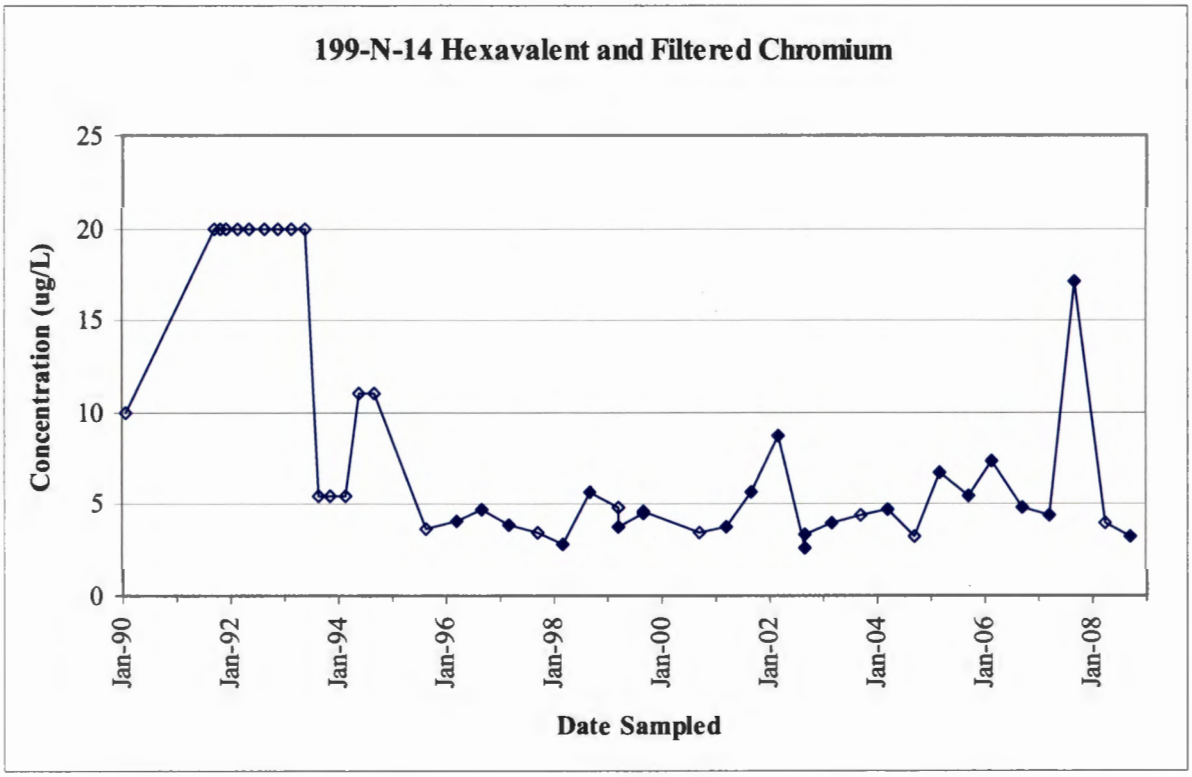
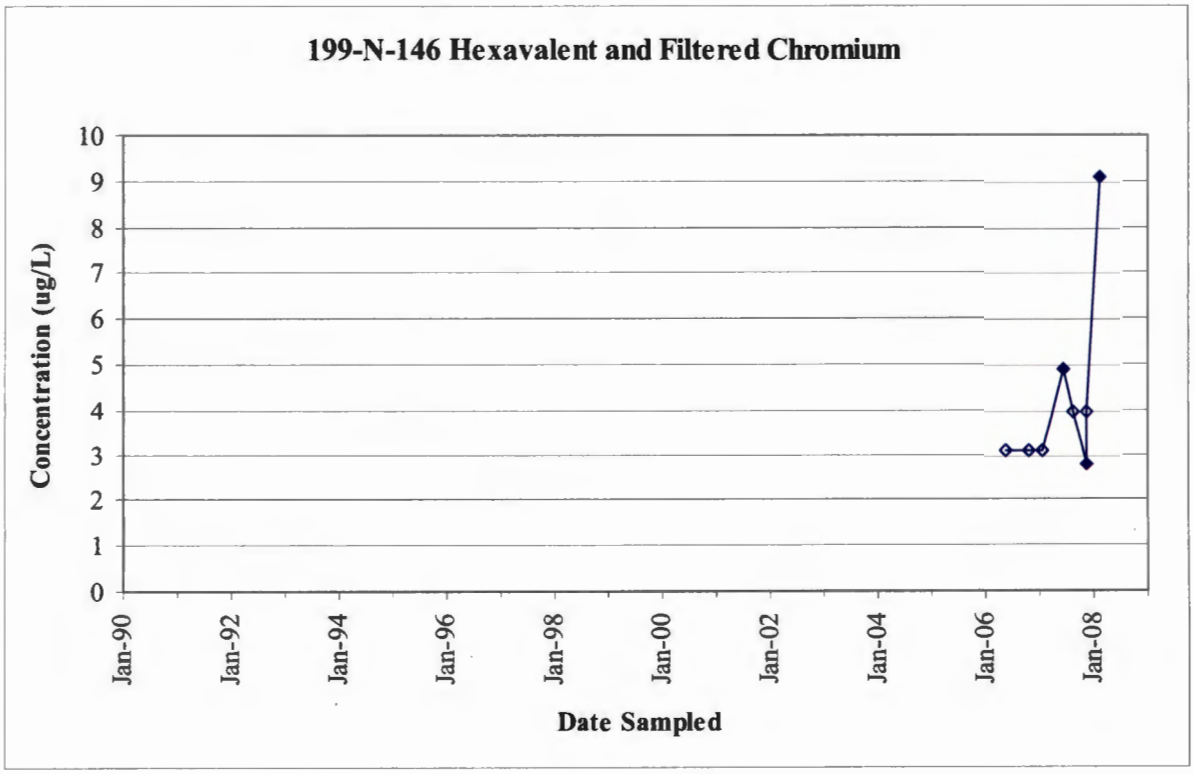
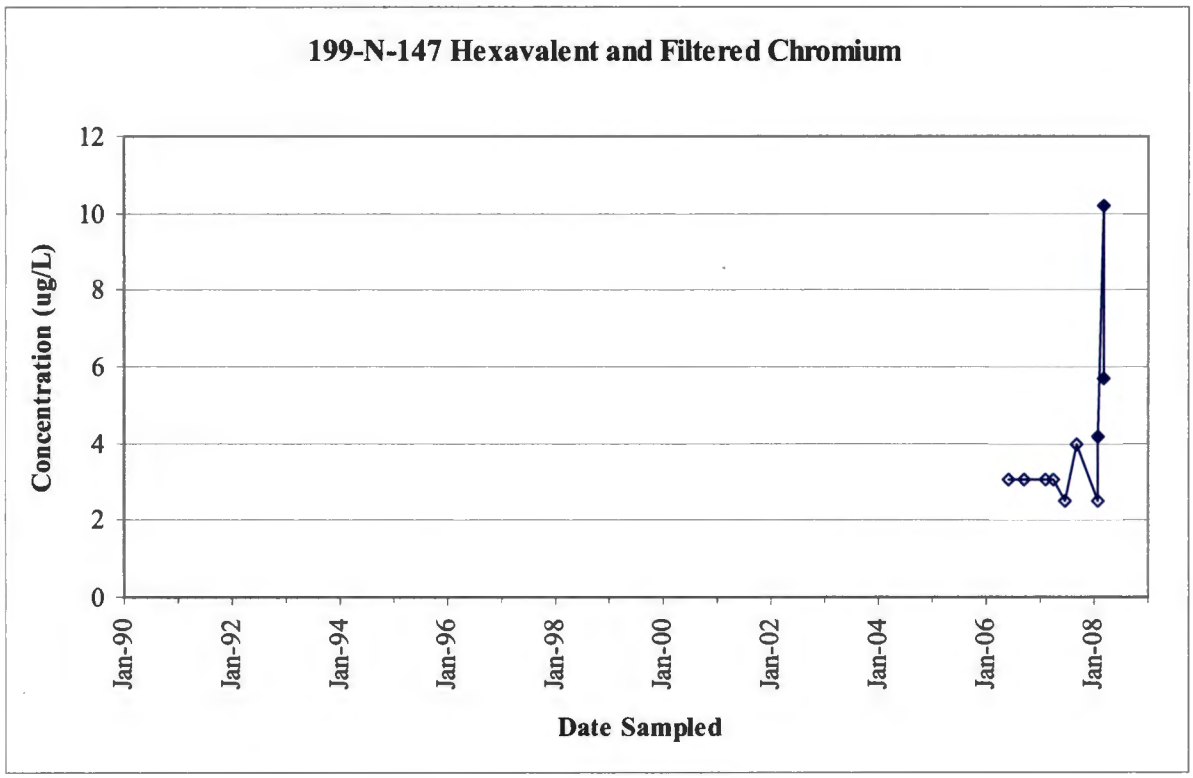
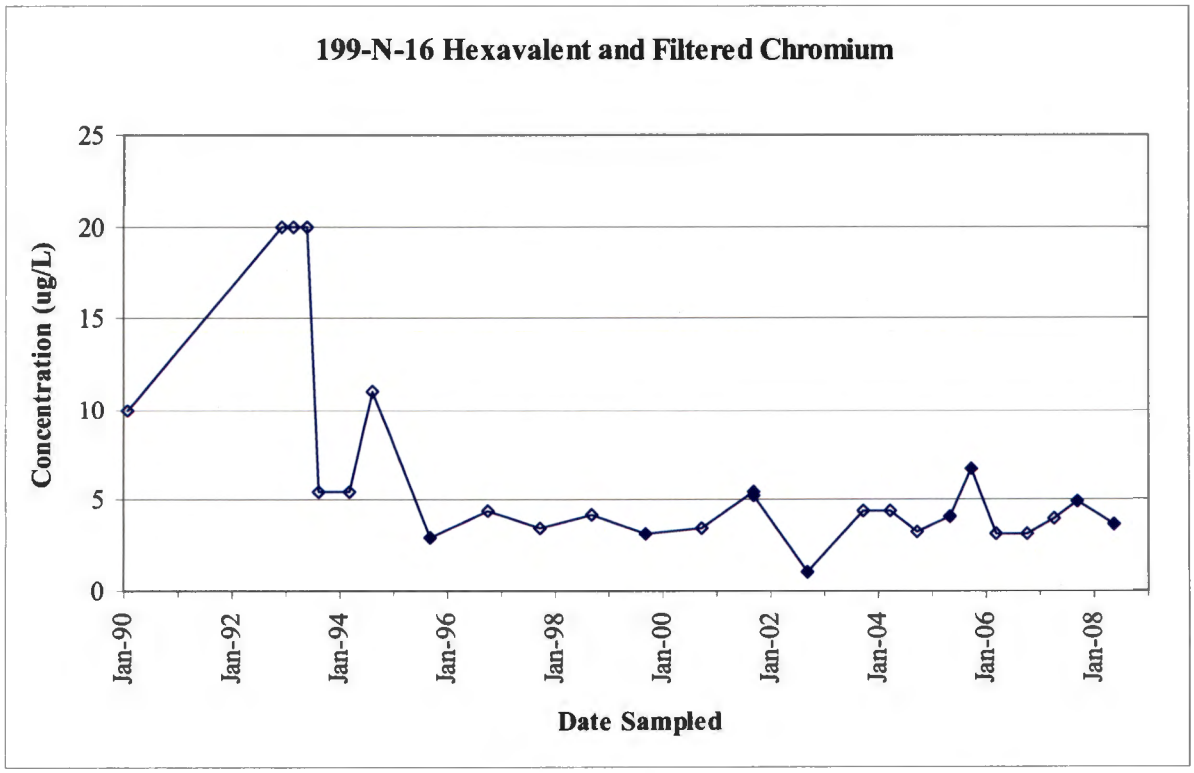
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

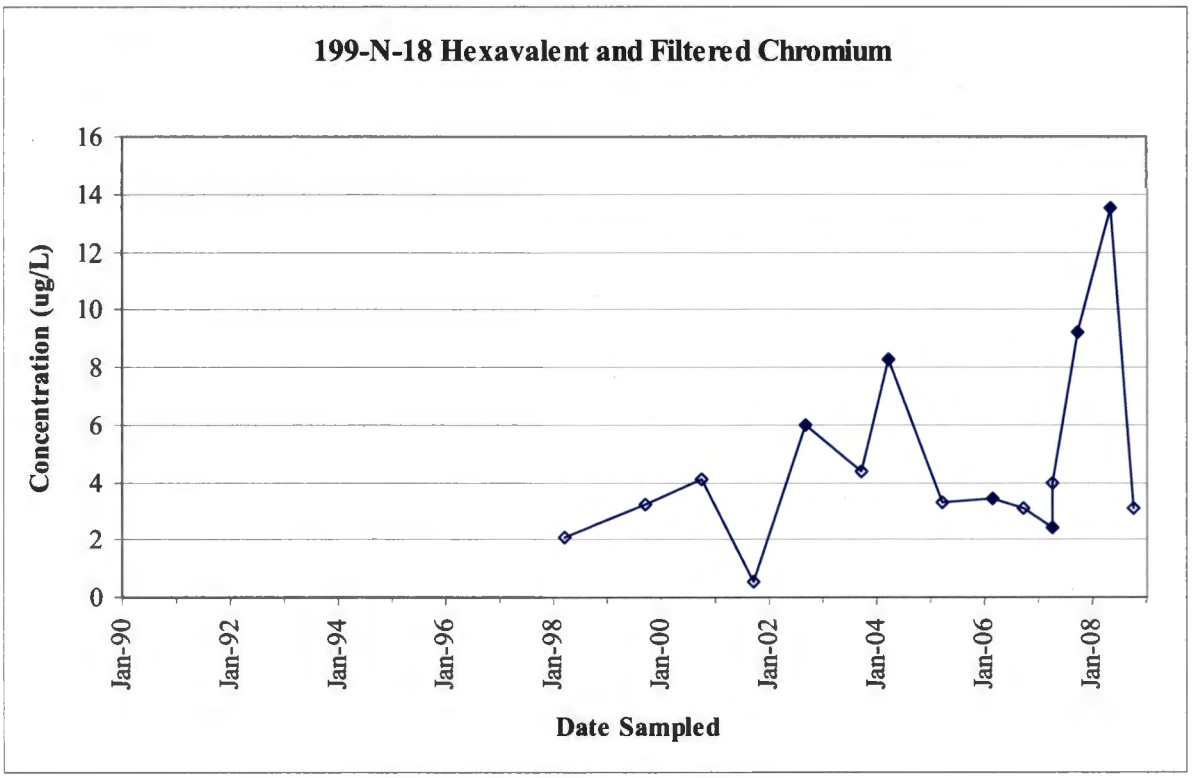

199-N-123 Hexavalent and Filtered Chromium
Concentration (ug/L)
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

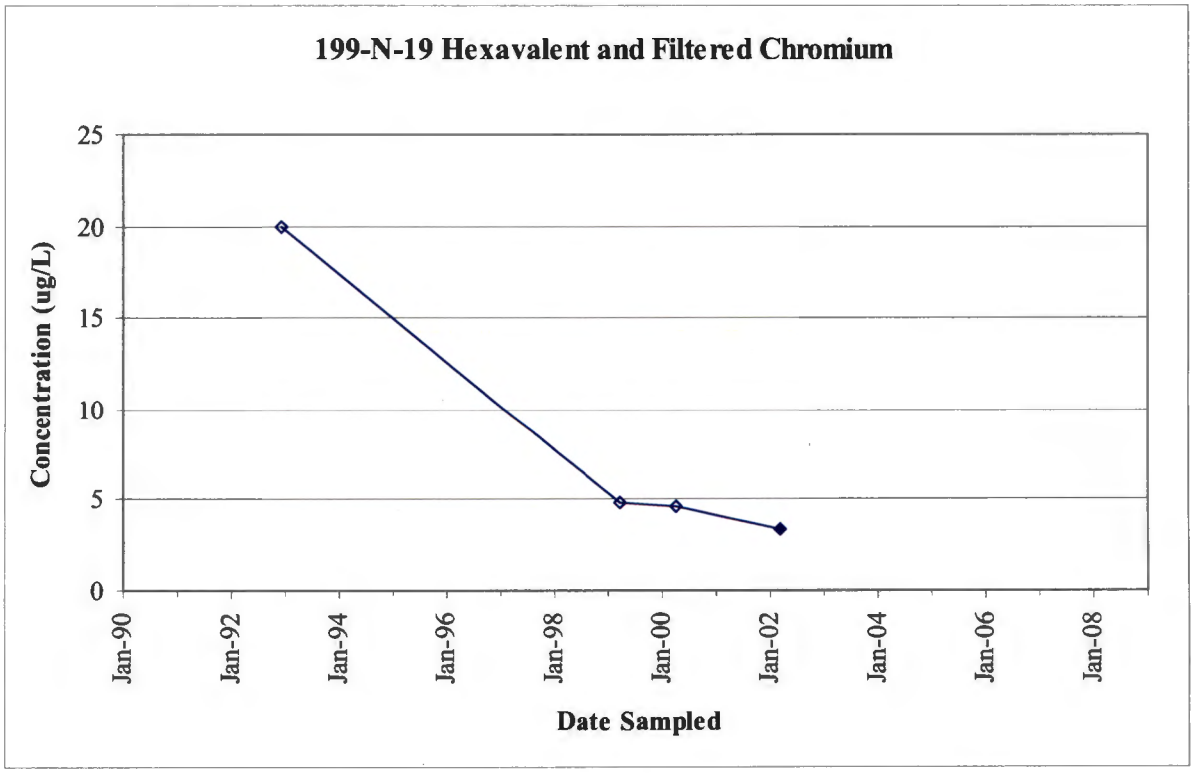

199-N-14 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

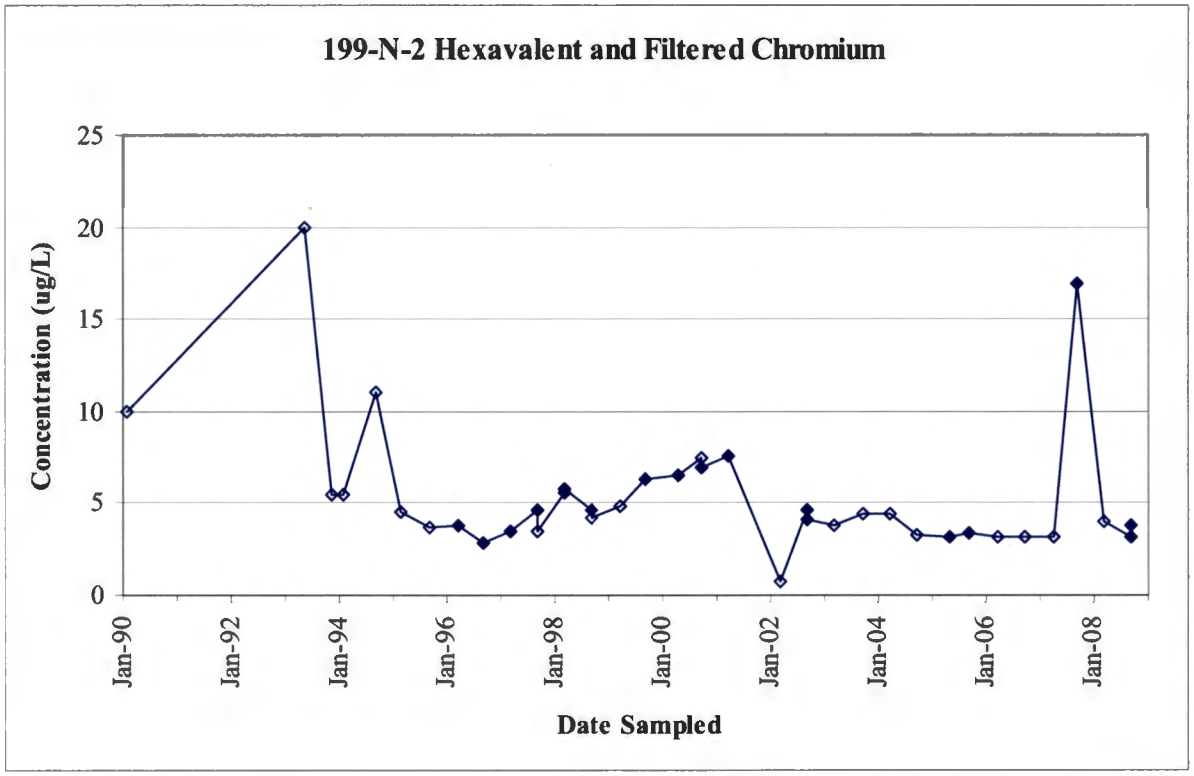

199-N-146 Hexavalent and Filtered Chromium
Concentration (ug/L)
10
9
8
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

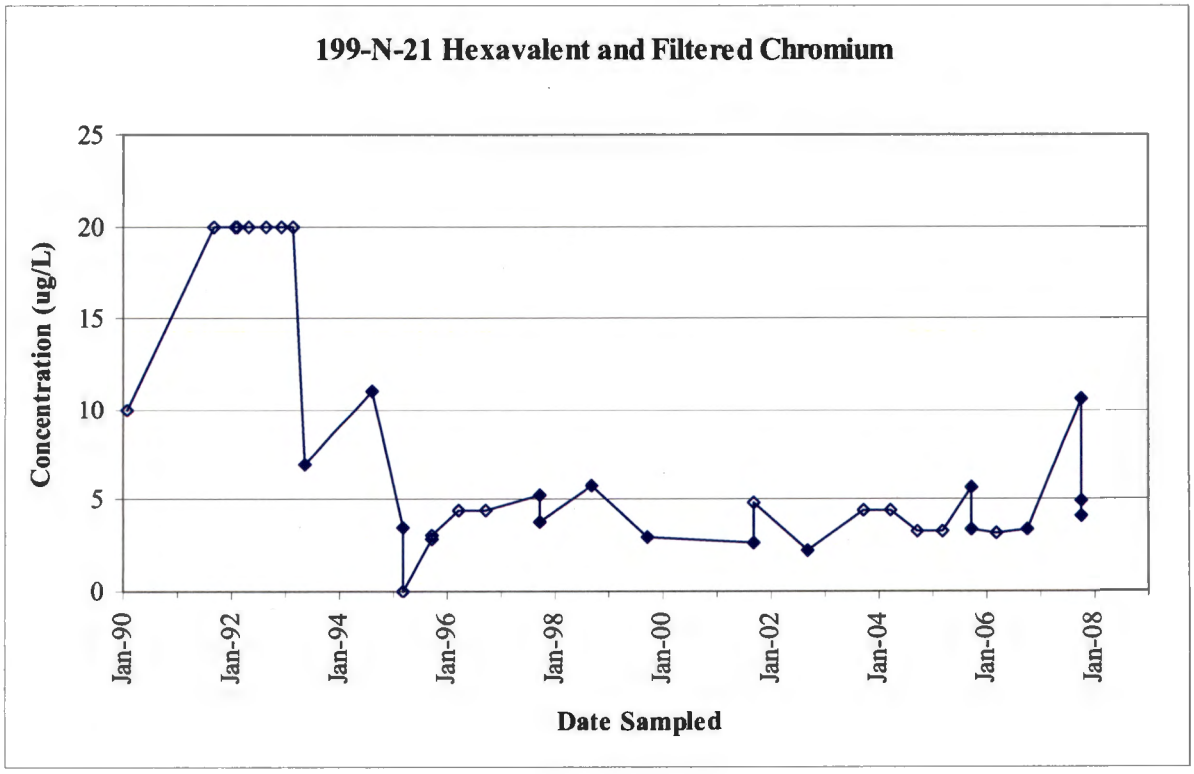

199-N-147 Hexavalent and Filtered Chromium
Concentration (ug/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

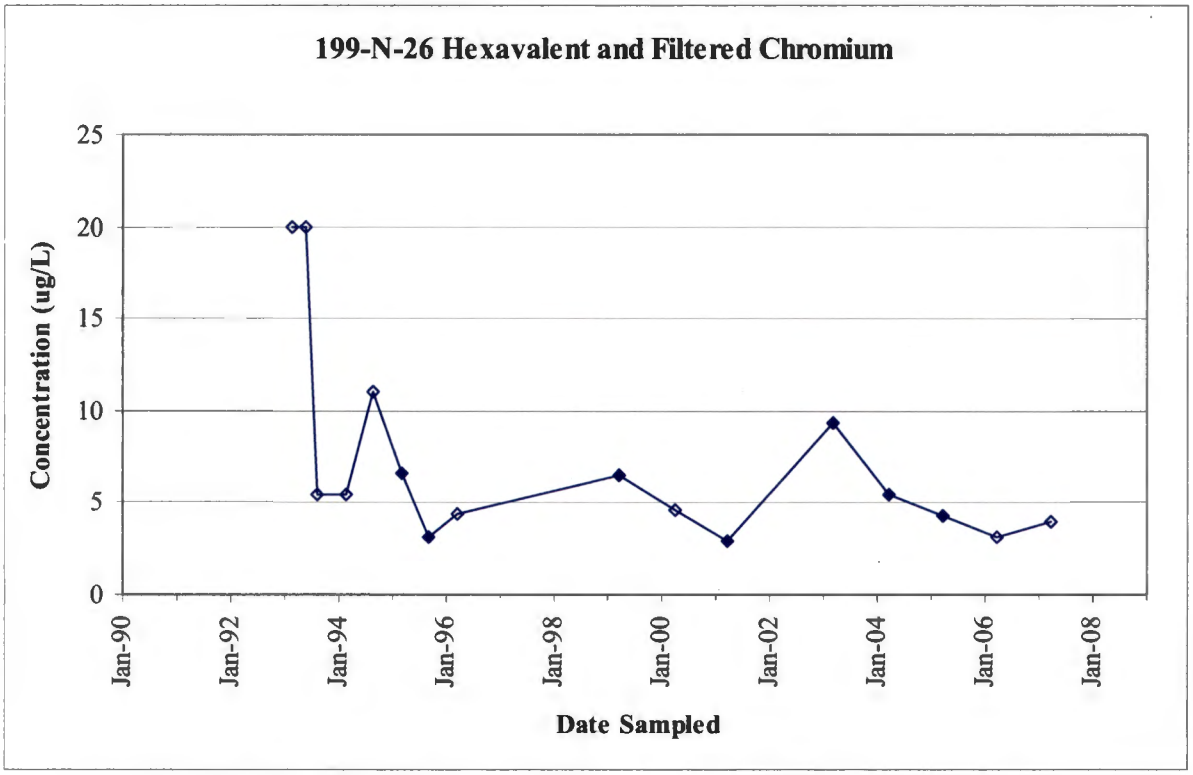

199-N-16 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

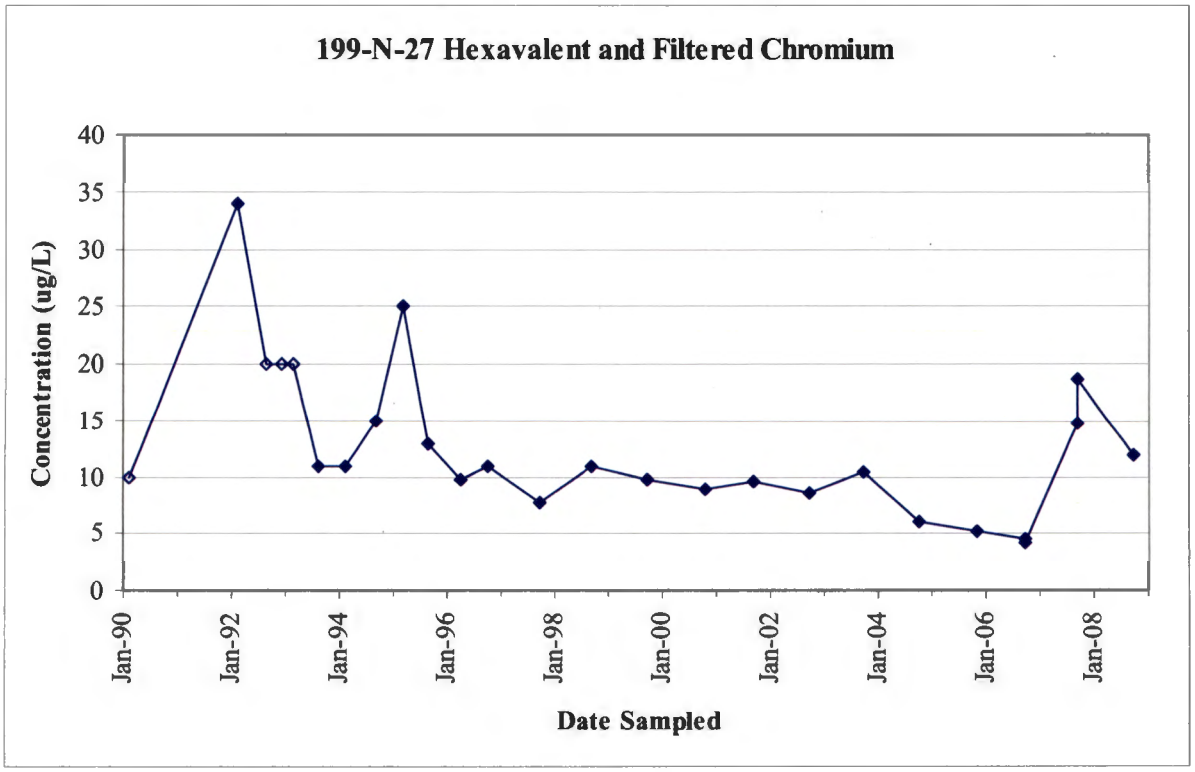

199-N-18 Hexavalent and Filtered Chromium
Concentration (ug/L)
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

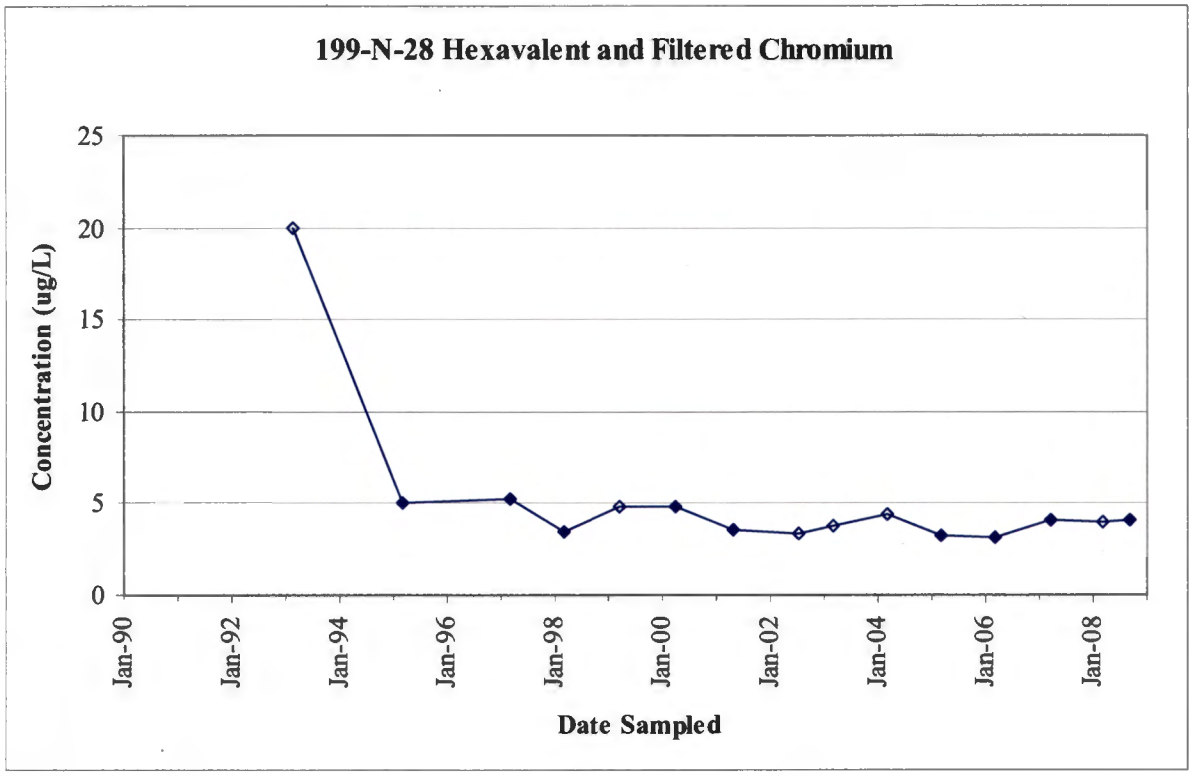

199-N-19 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

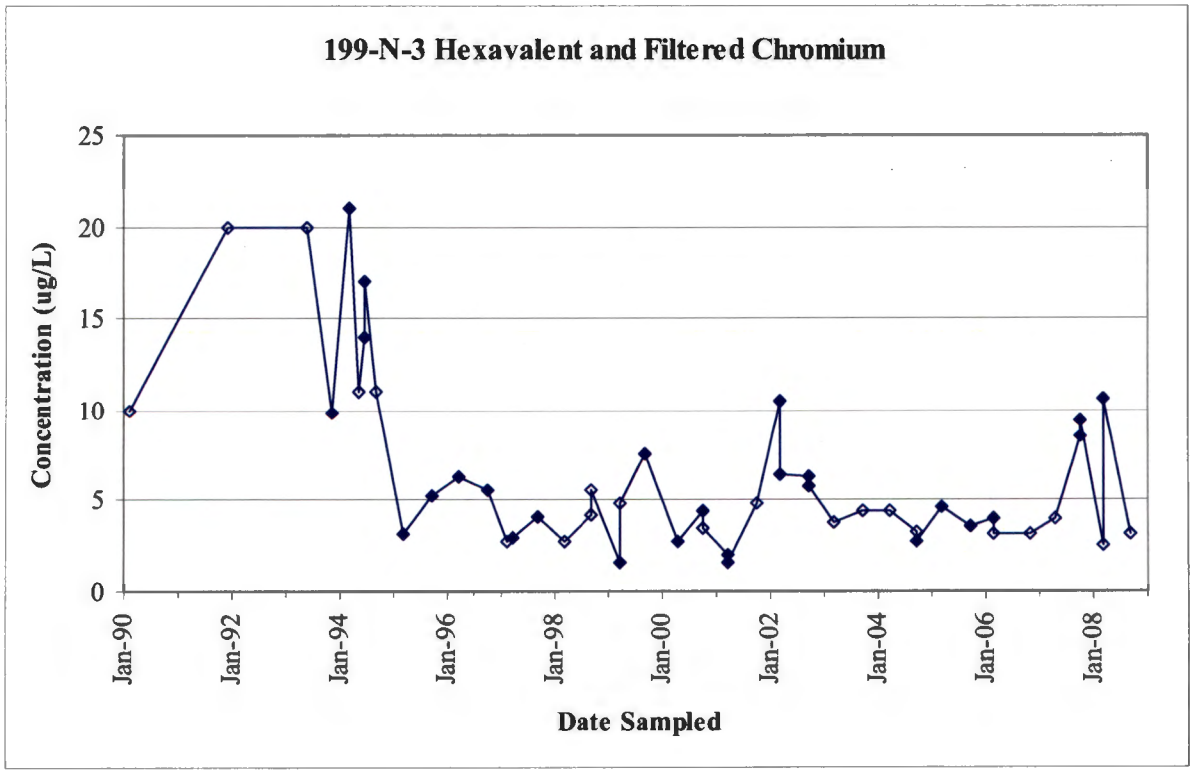

199-N-2 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

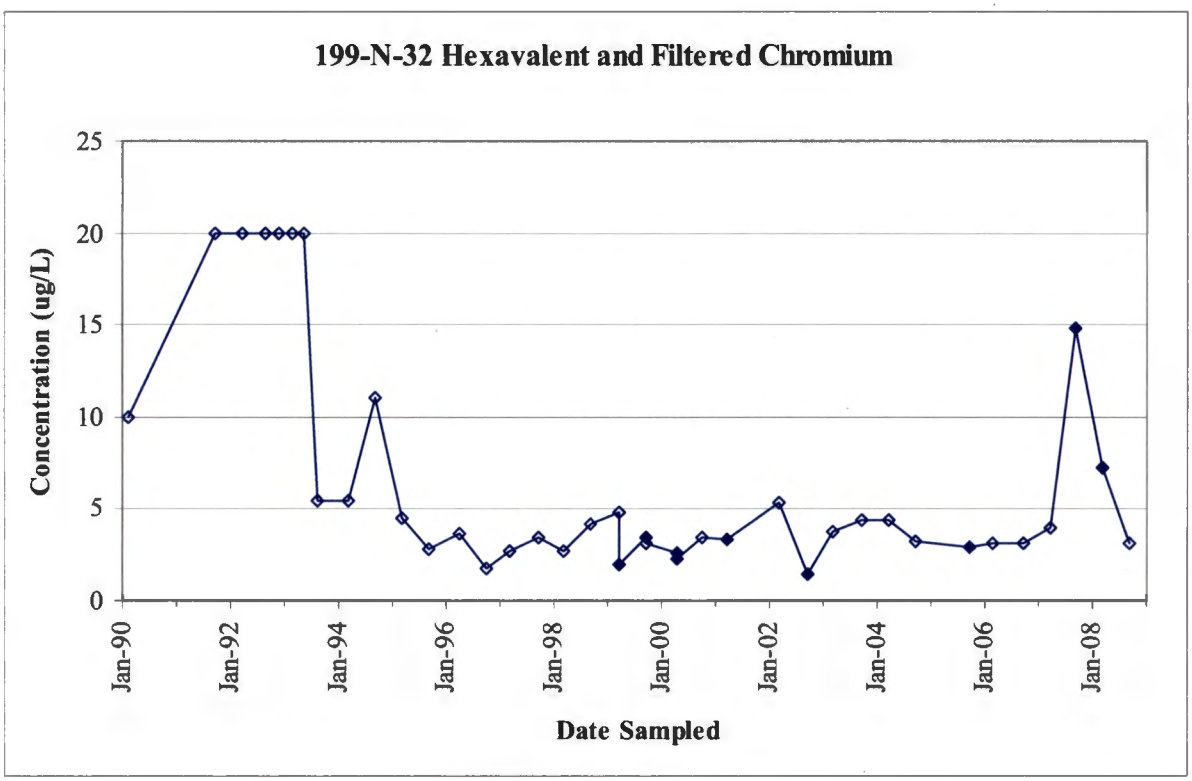

199-N-21 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

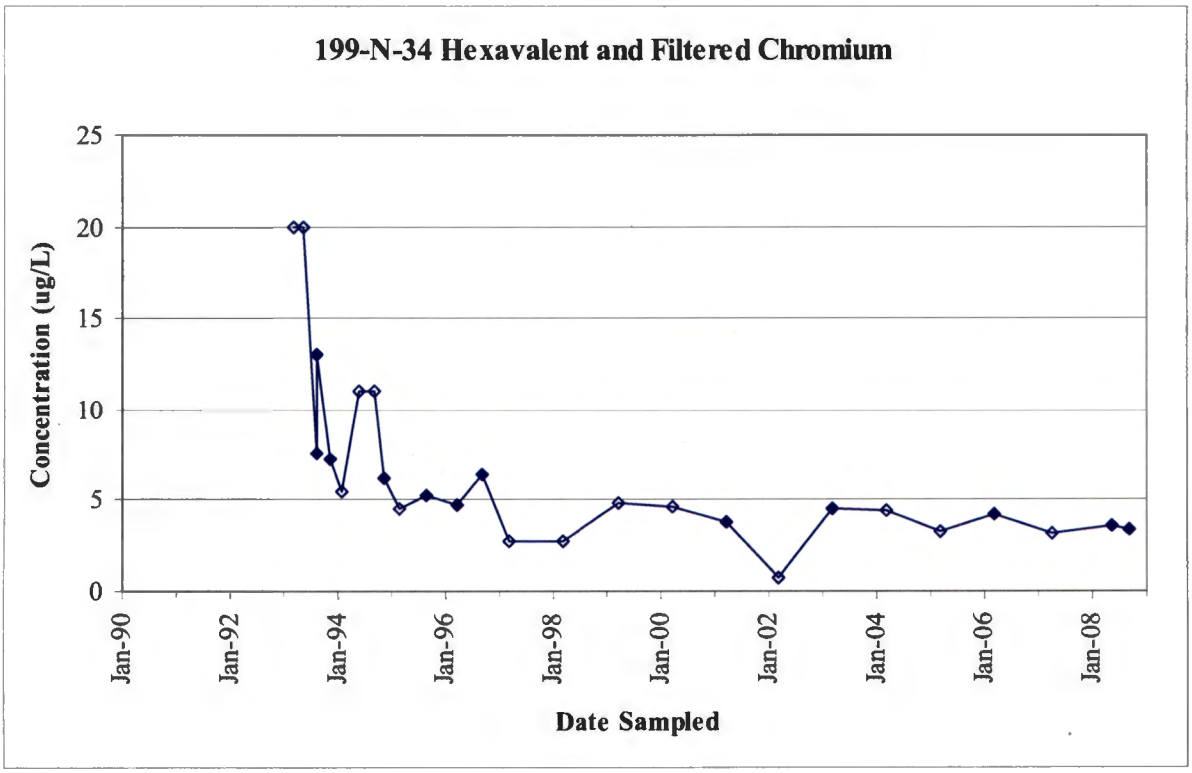

199-N-26 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

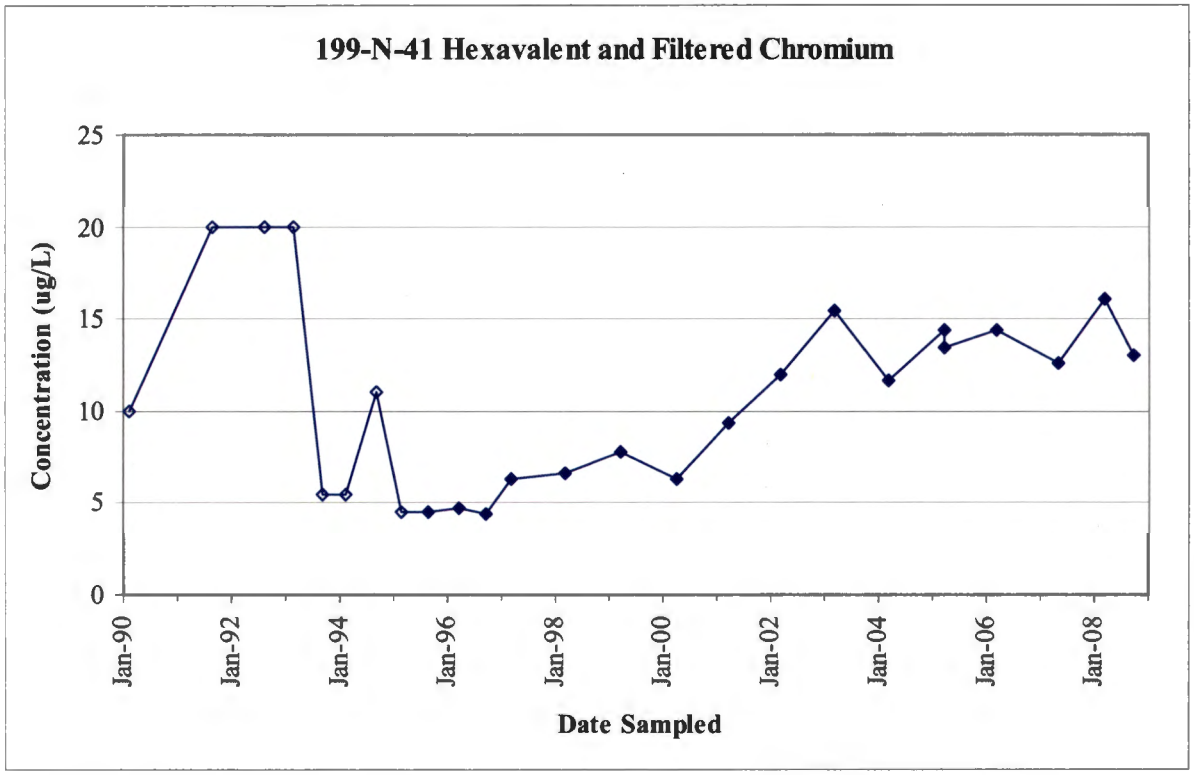

199-N-27 Hexavalent and Filtered Chromium
Concentration (ug/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

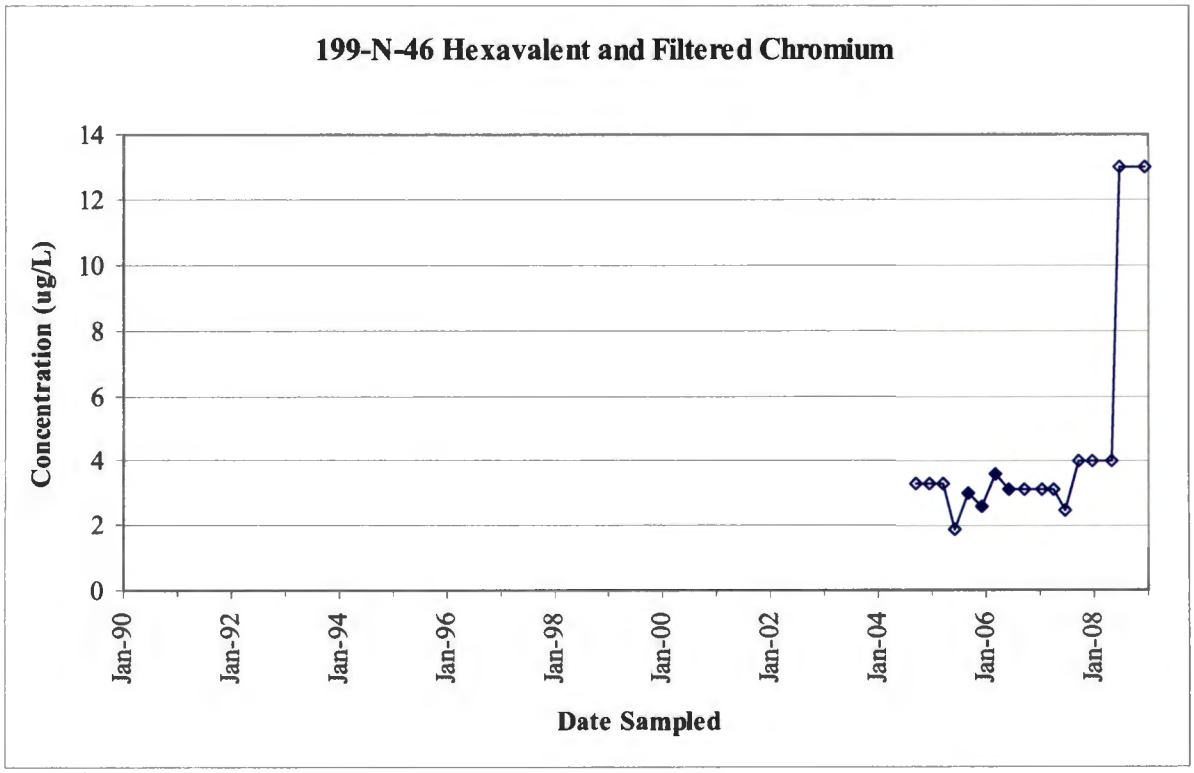

199-N-28 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

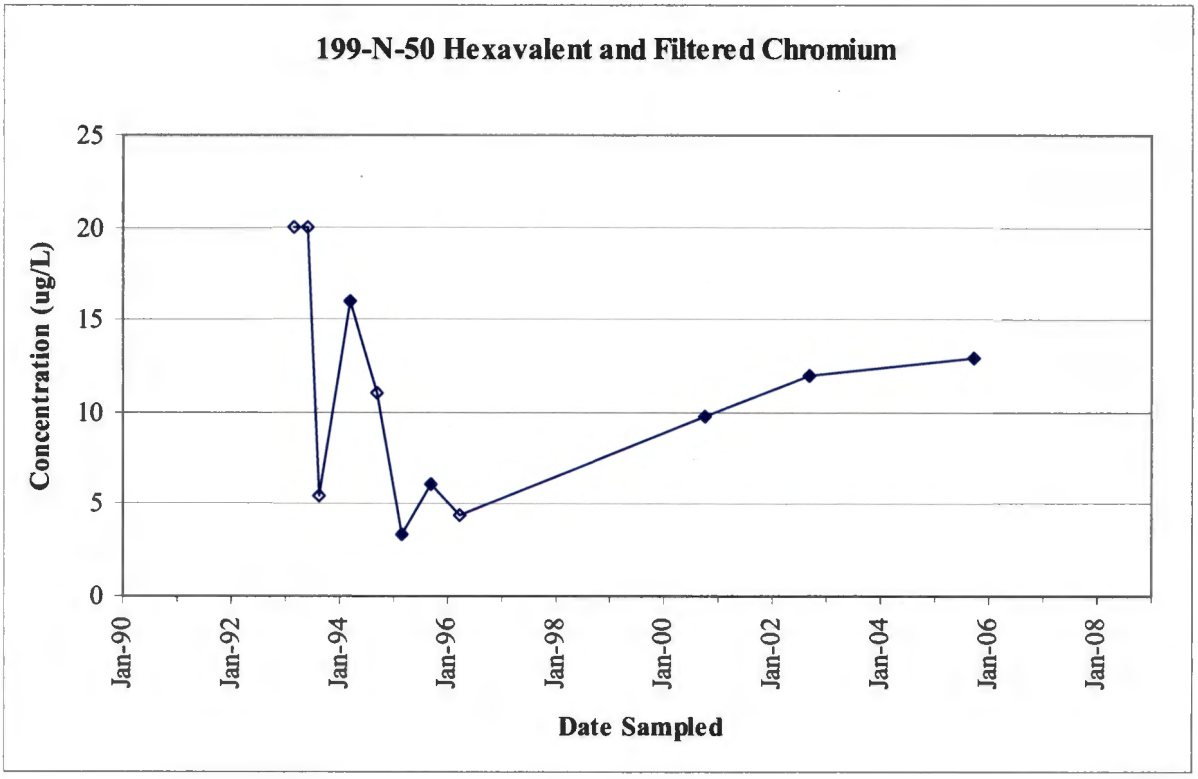

199-N-3 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

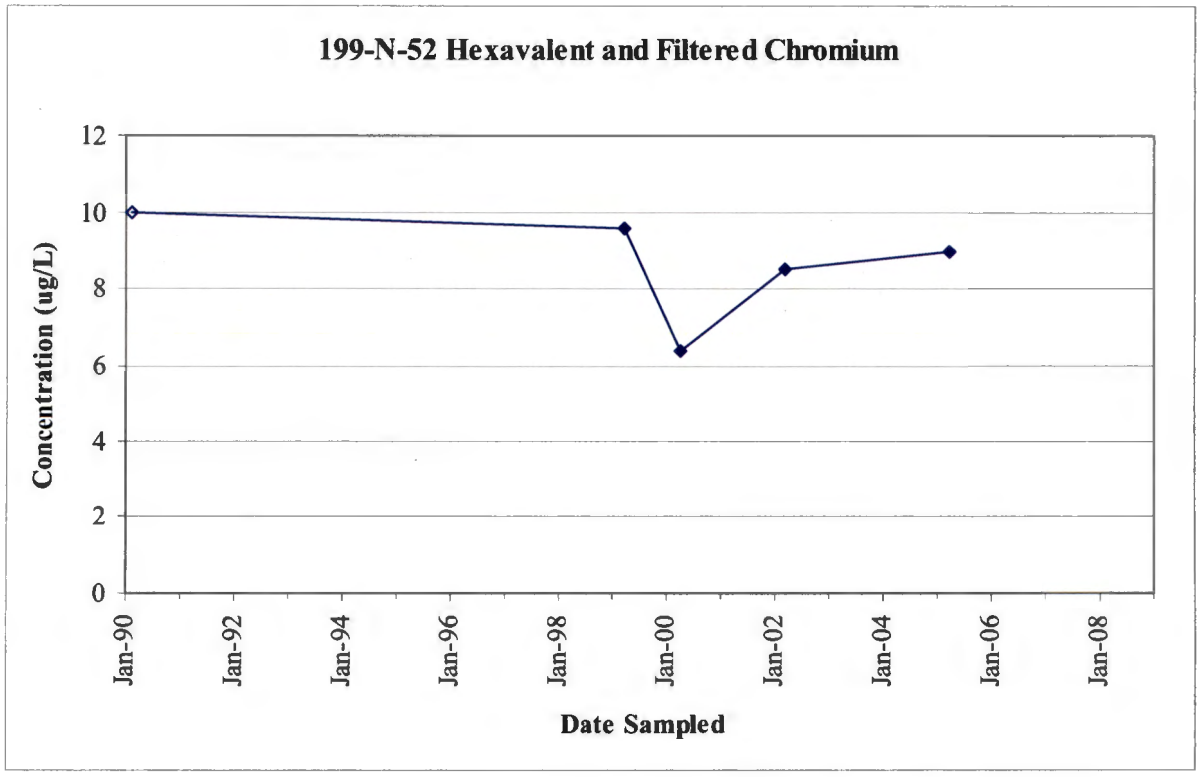

199-N-32 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

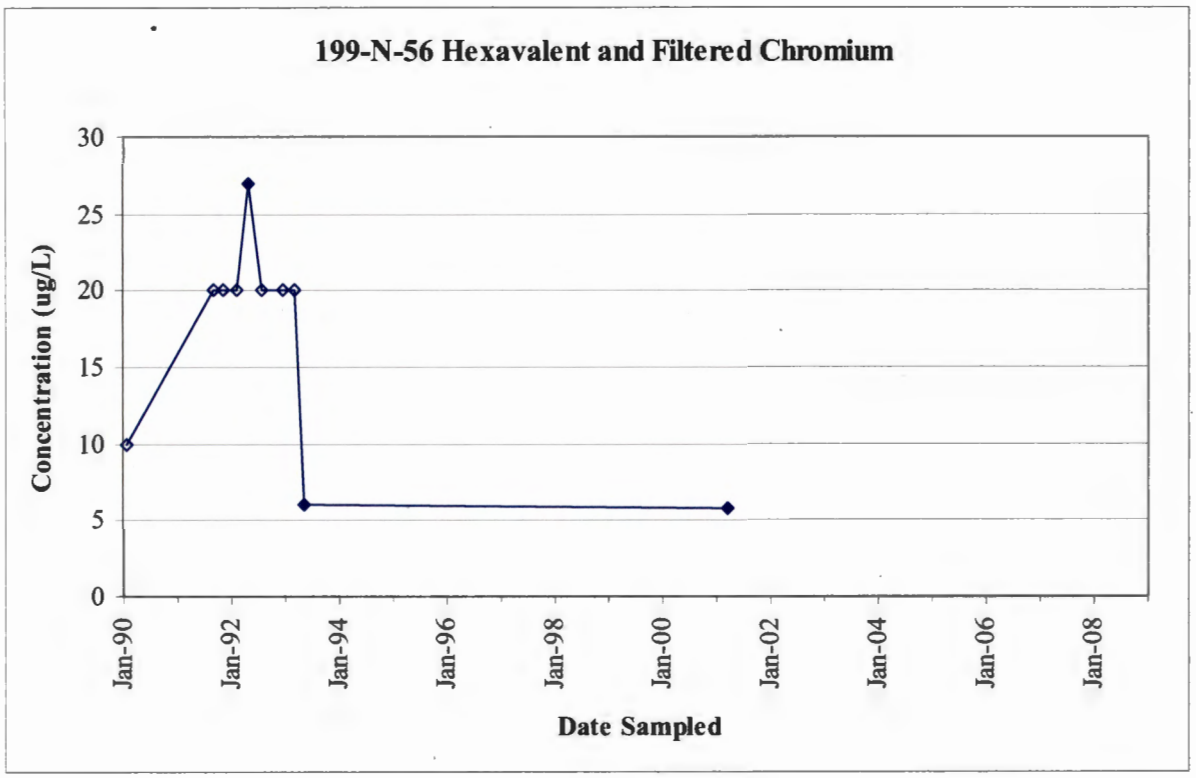

199-N-34 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

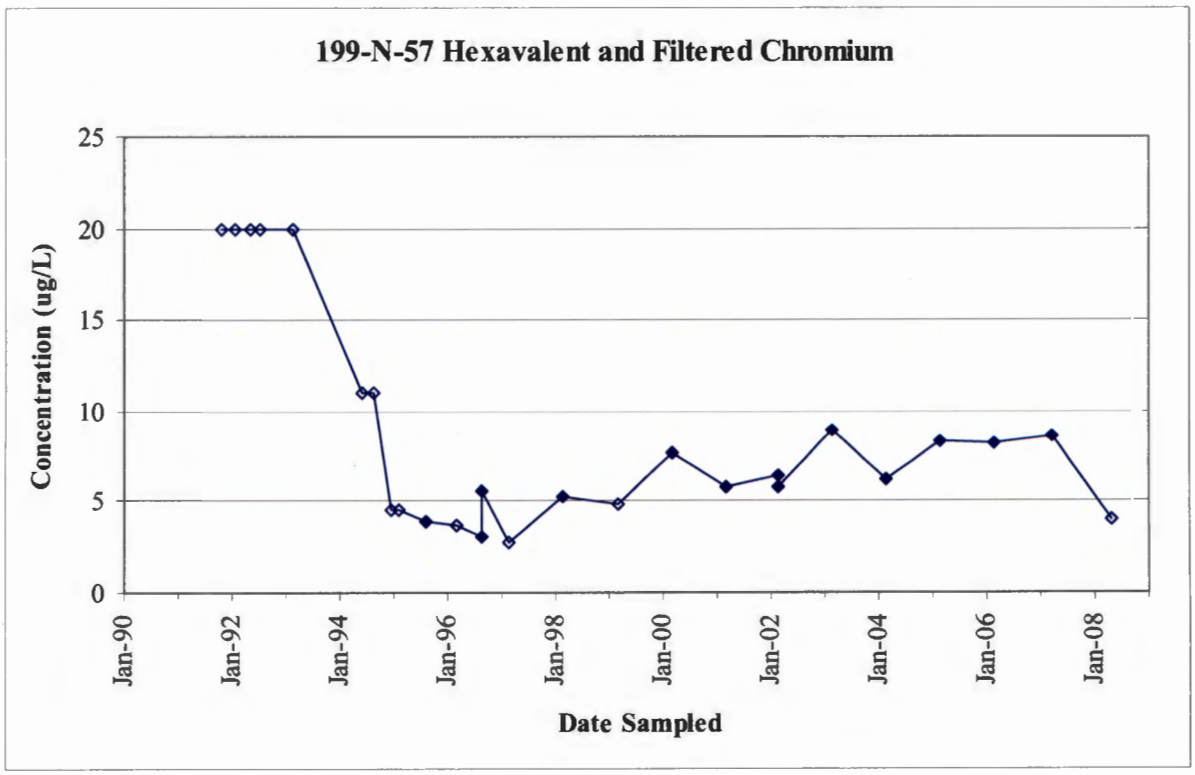

199-N-41 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

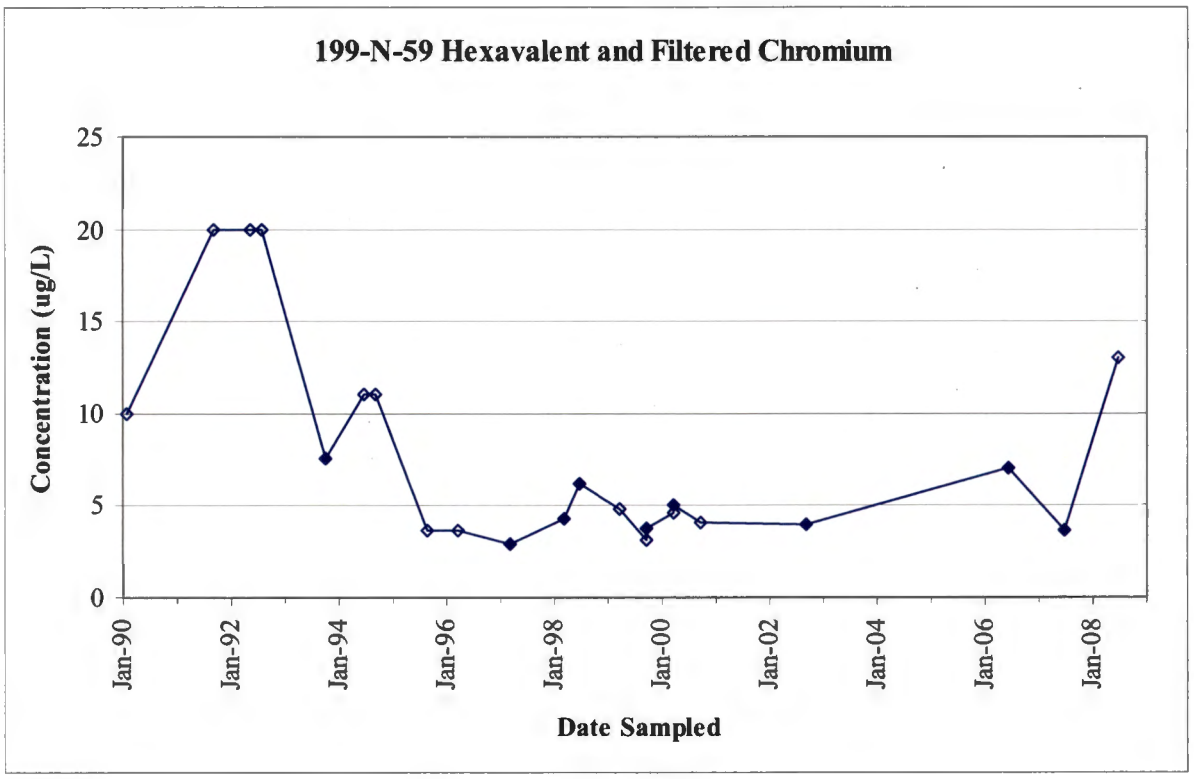

199-N-46 Hexavalent and Filtered Chromium
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-N-50 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


199-N-52 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


199-N-56 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


199-N-57 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


199-N-59 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
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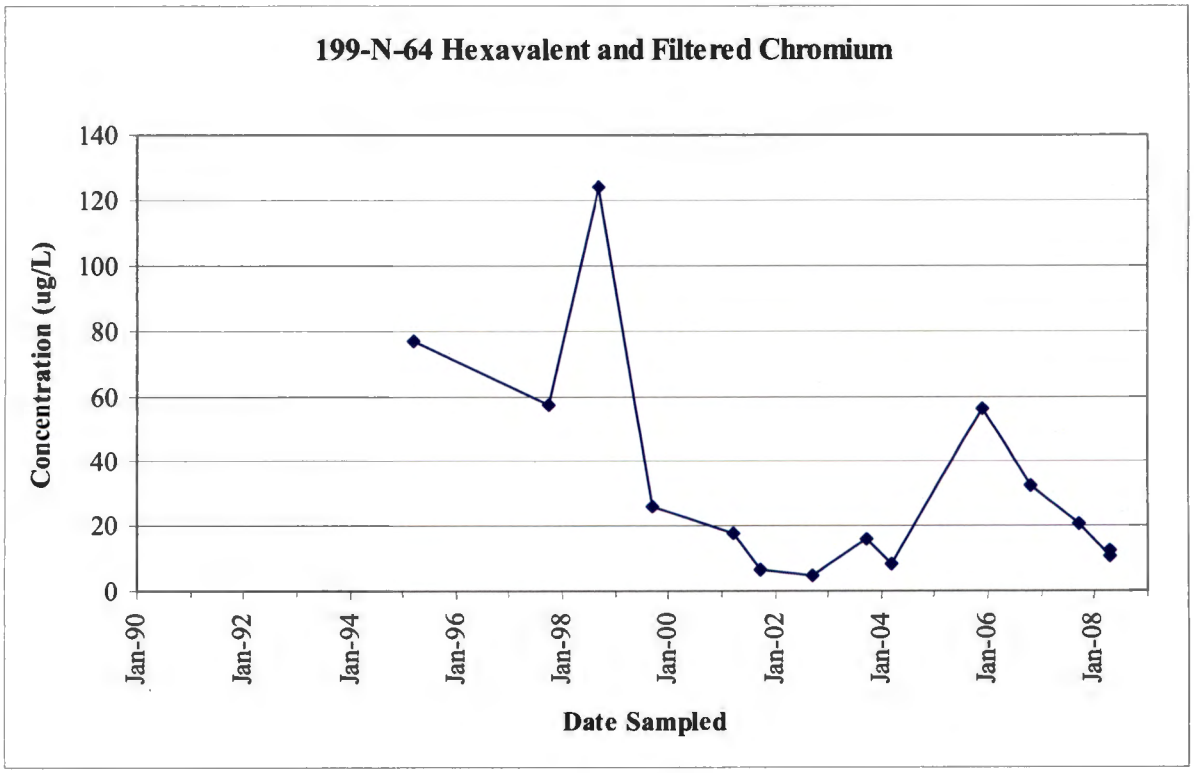
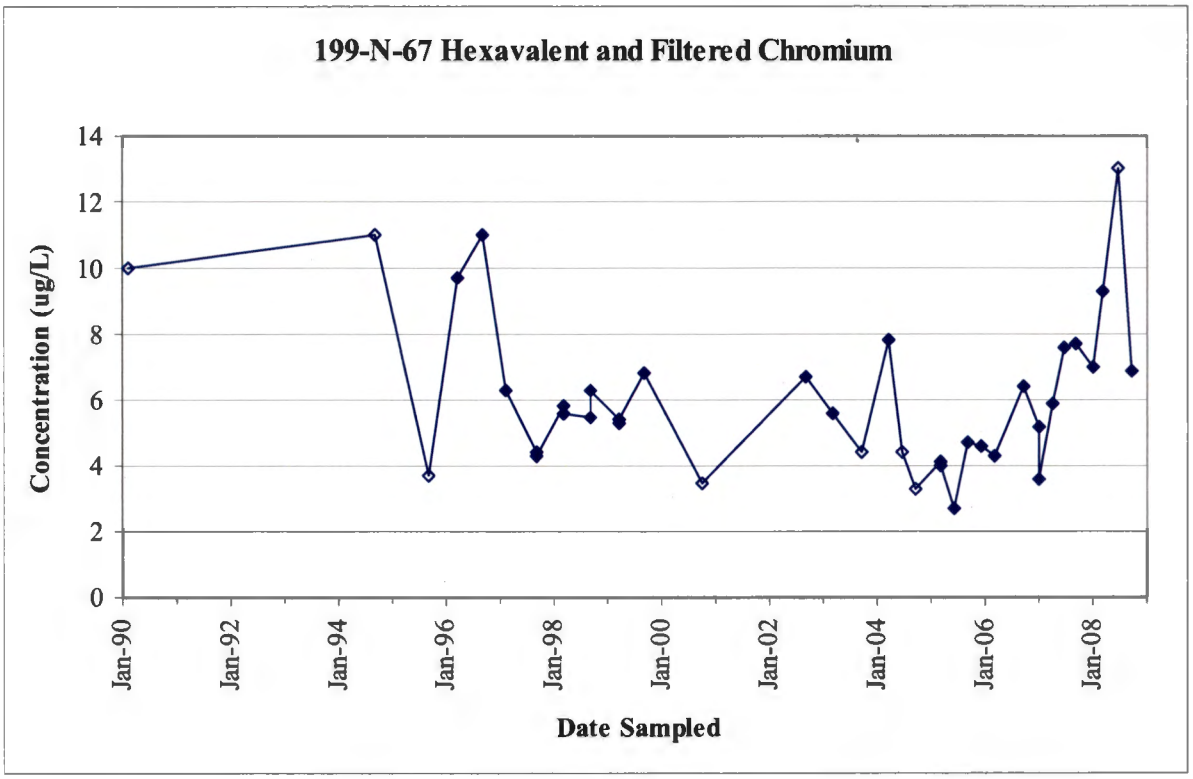
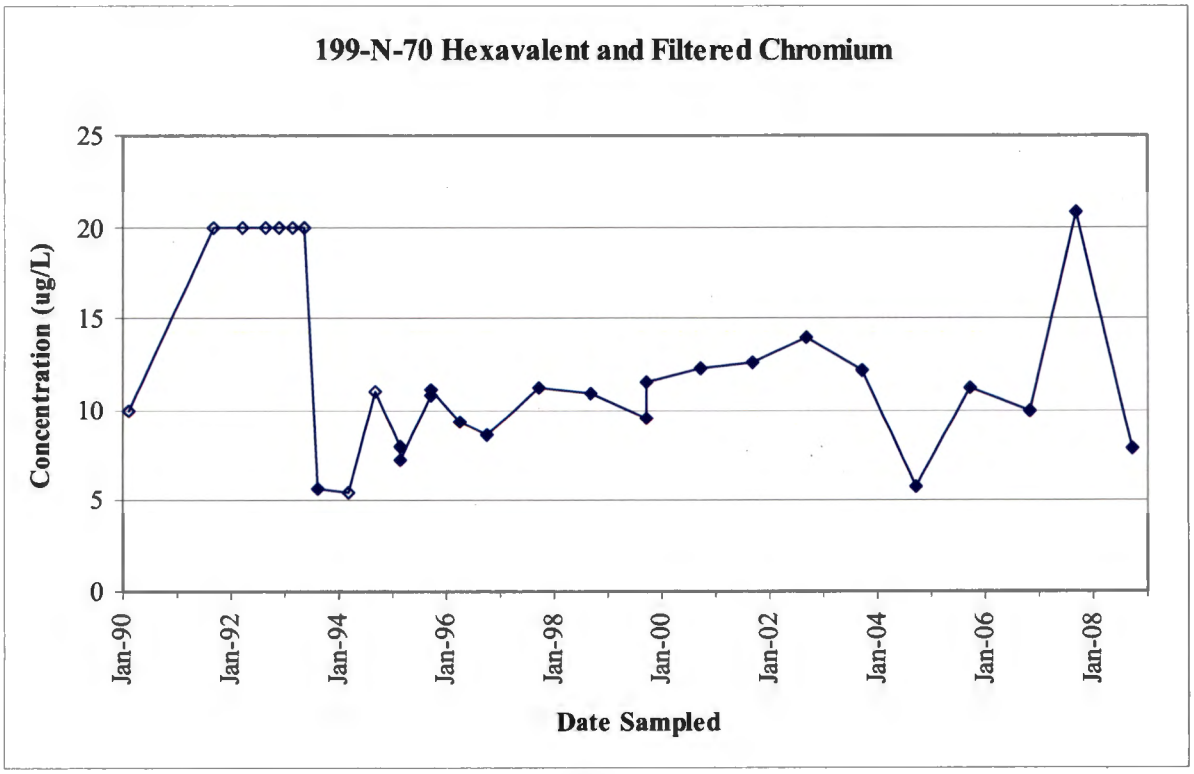
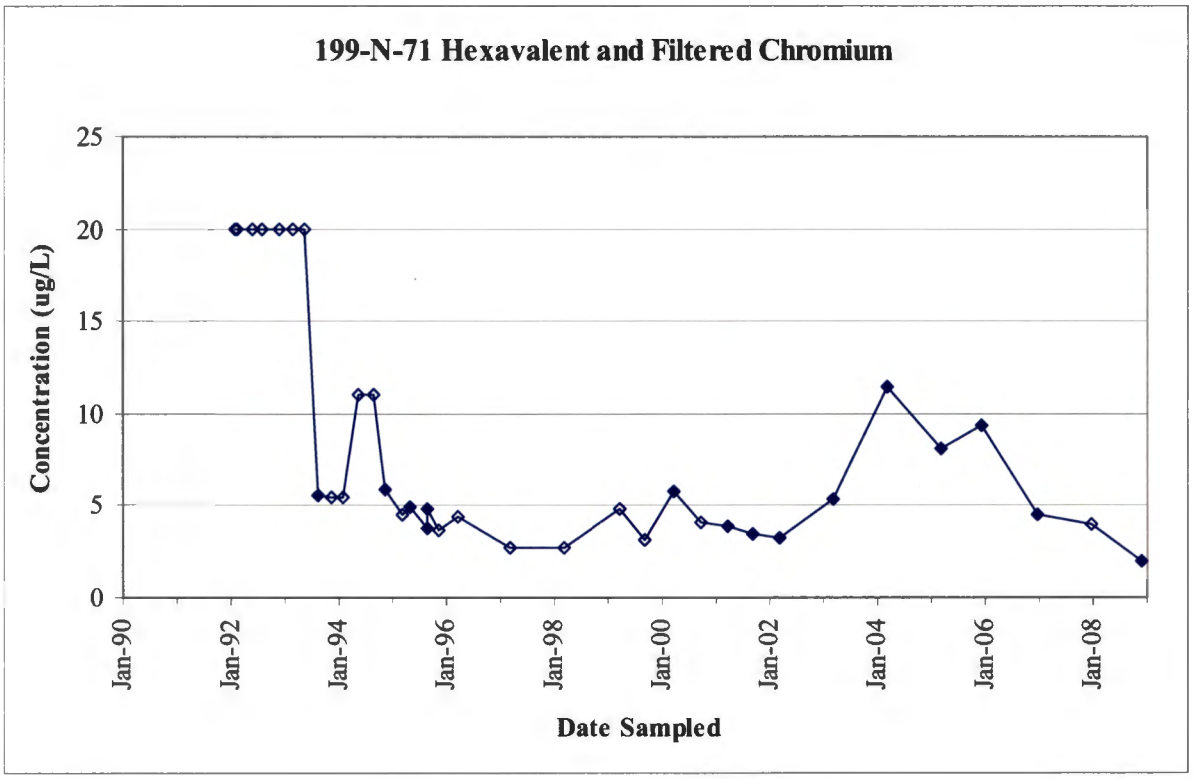
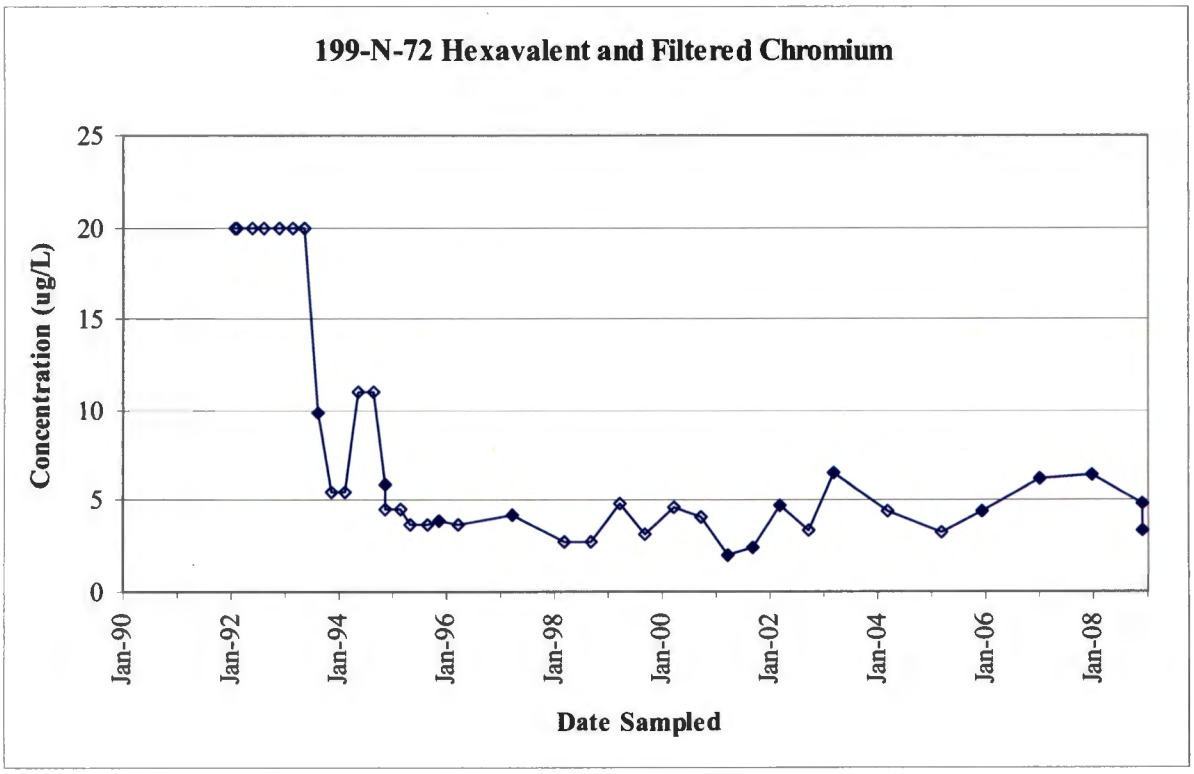
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

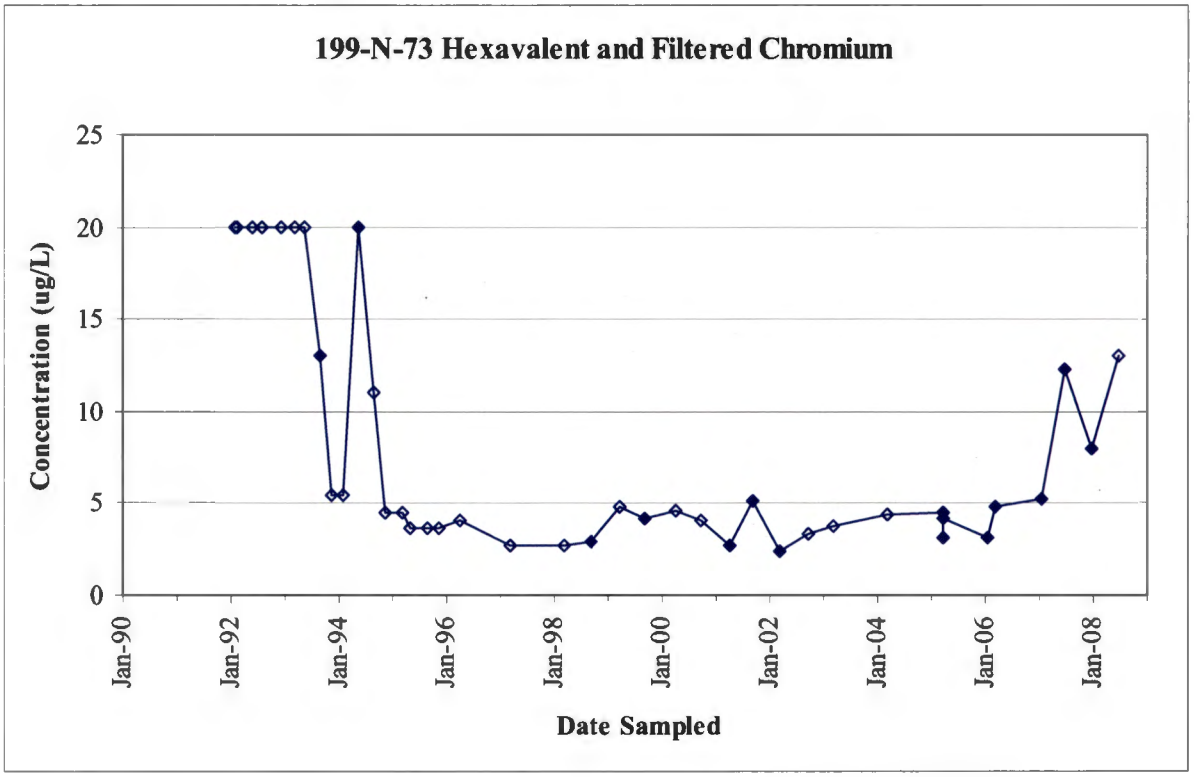

199-N-64 Hexavalent and Filtered Chromium
Concentration (ug/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

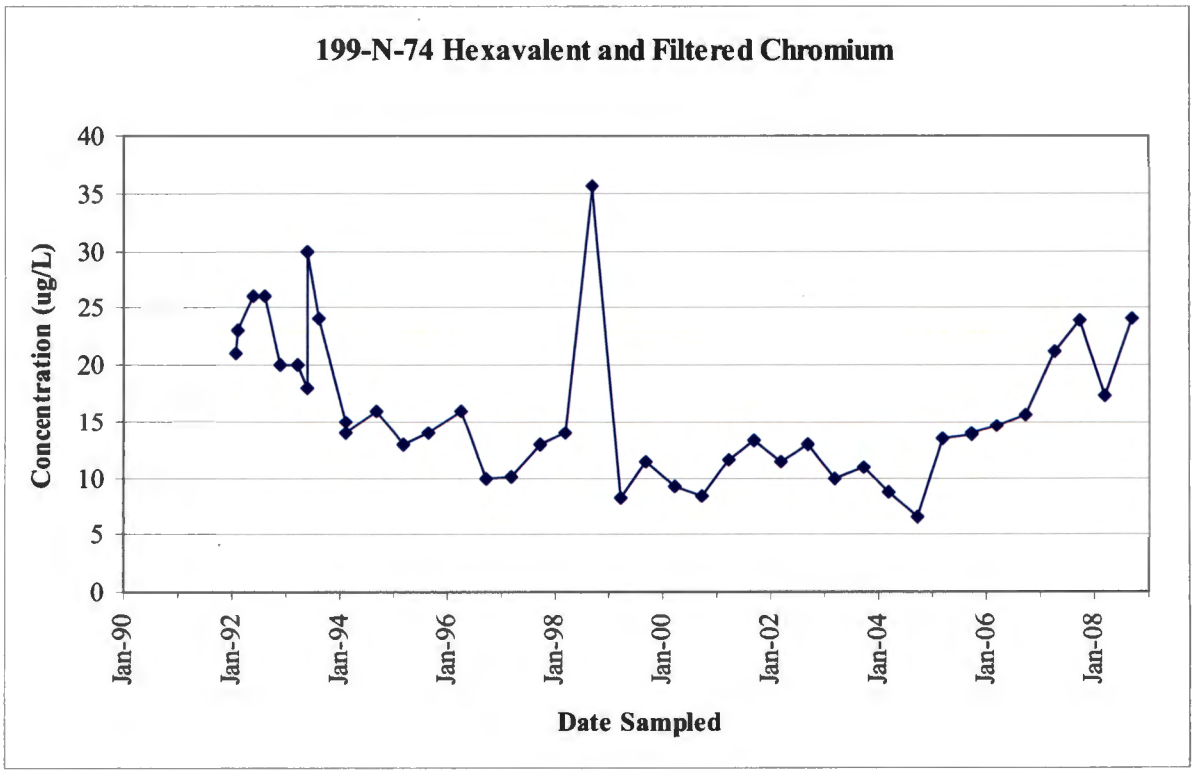

199-N-67 Hexavalent and Filtered Chromium
Concentration (ug/L)
0
2
4
6
8
10
12
14
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

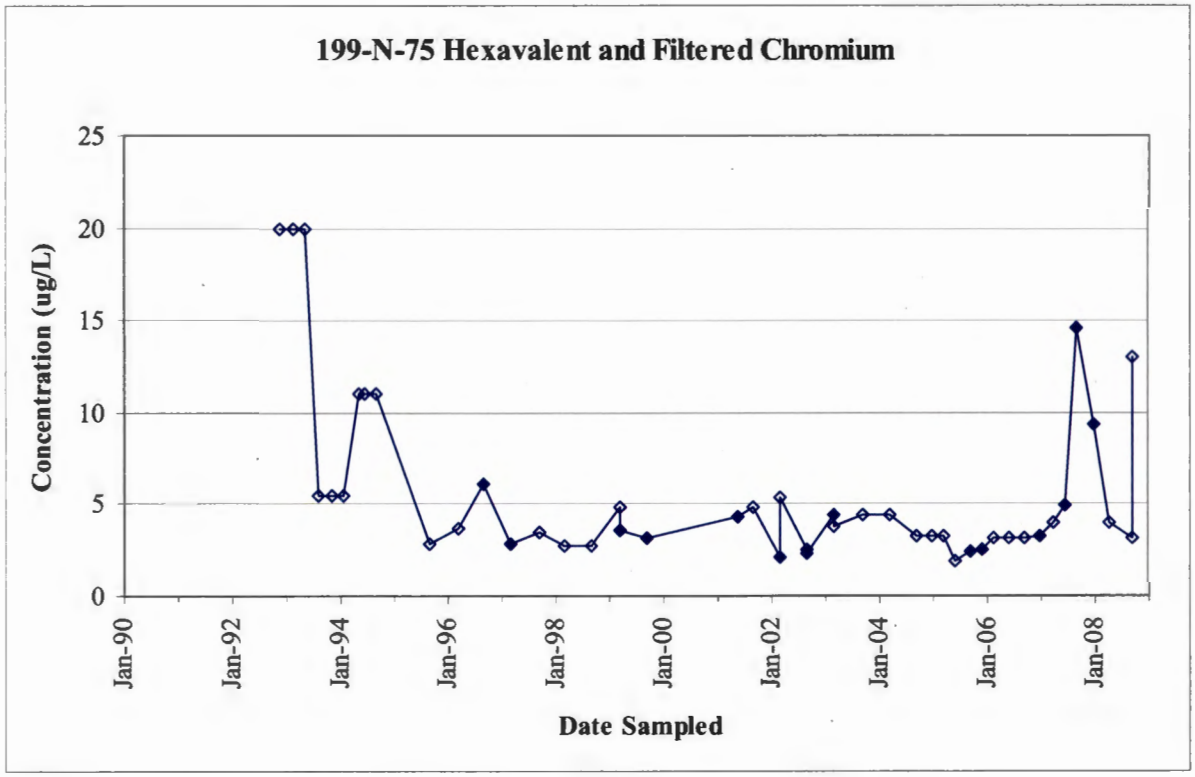

199-N-70 Hexavalent and Filtered Chromium
Concentration (ug/L)
0
5
10
15
20
25
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

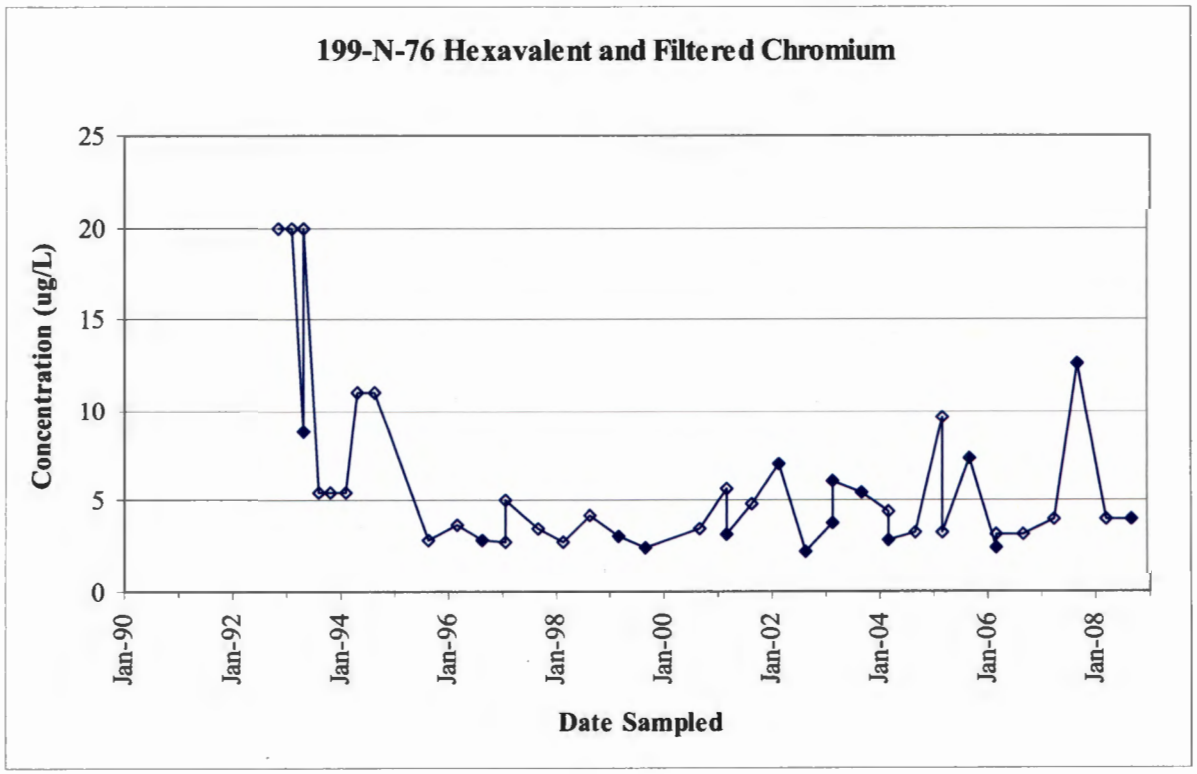

199-N-71 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

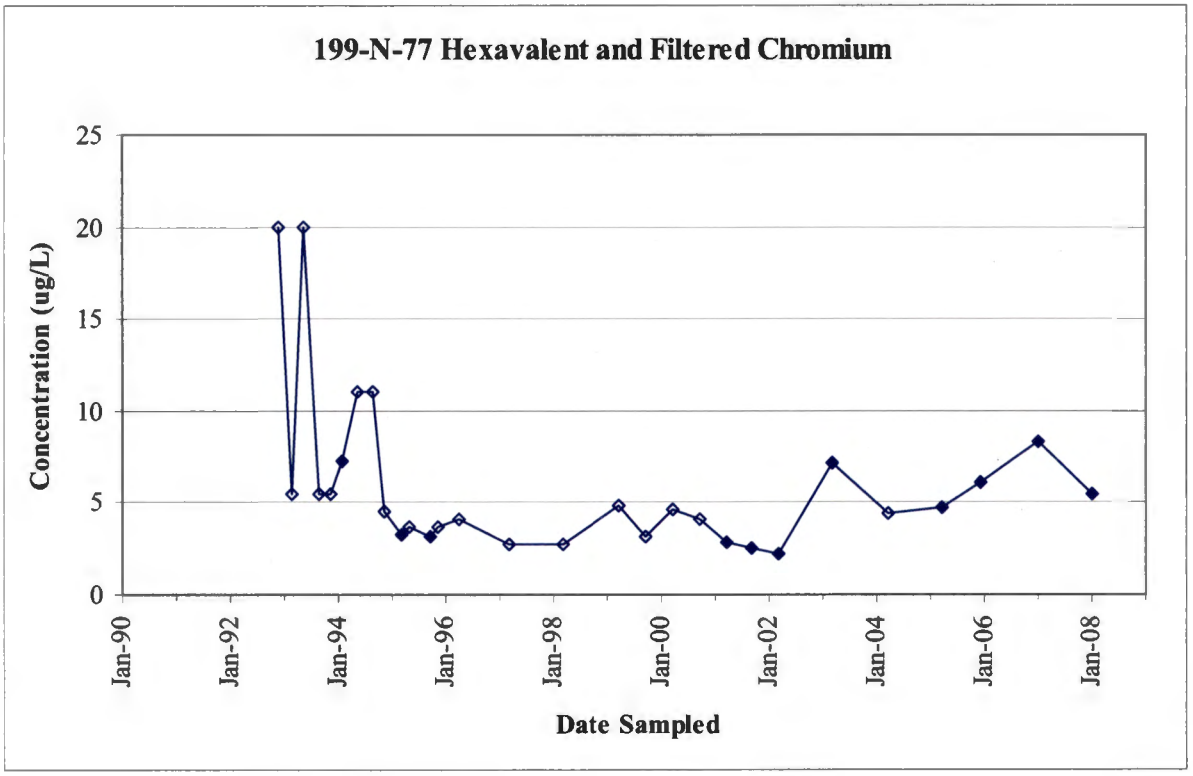

199-N-72 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

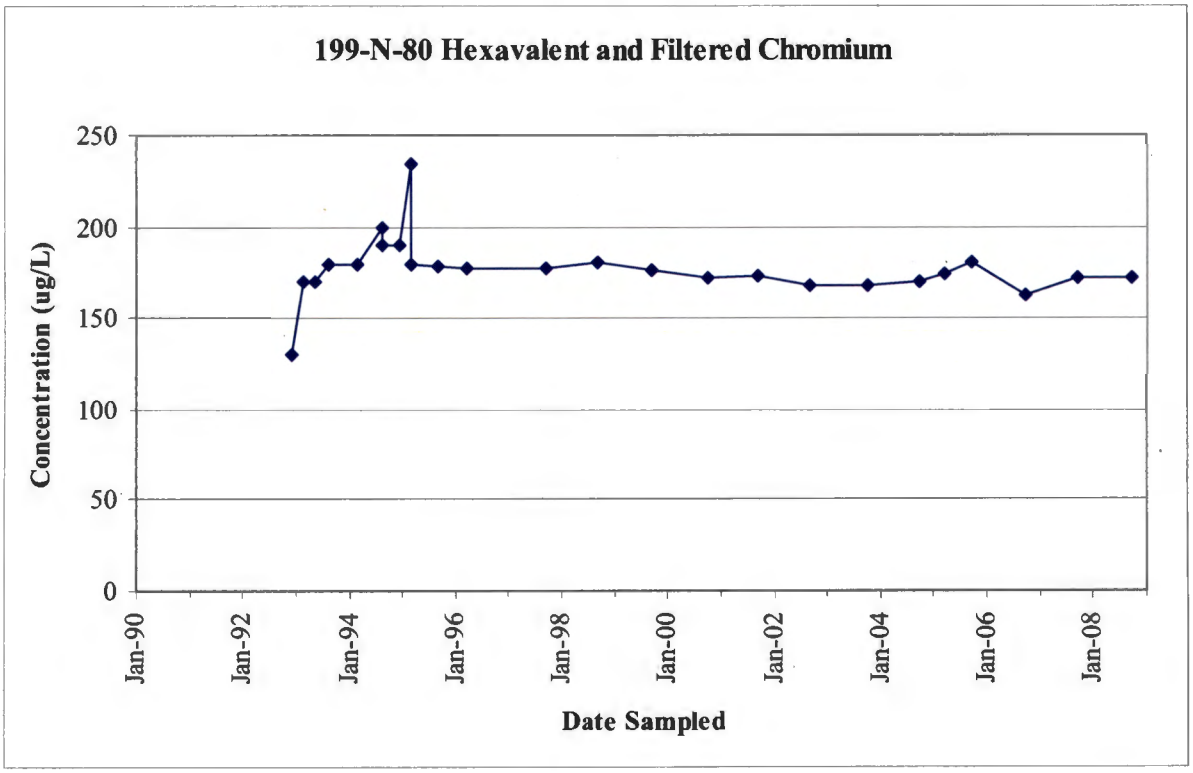

199-N-73 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

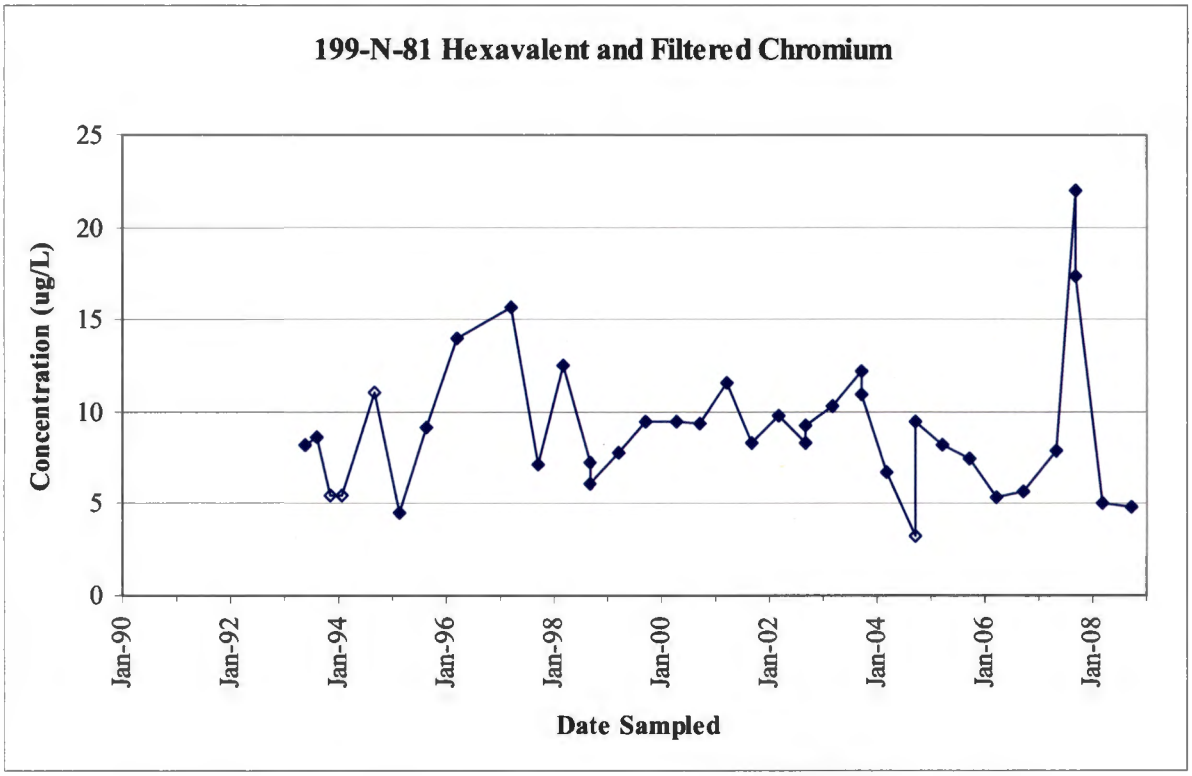

199-N-74 Hexavalent and Filtered Chromium
Concentration (ug/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

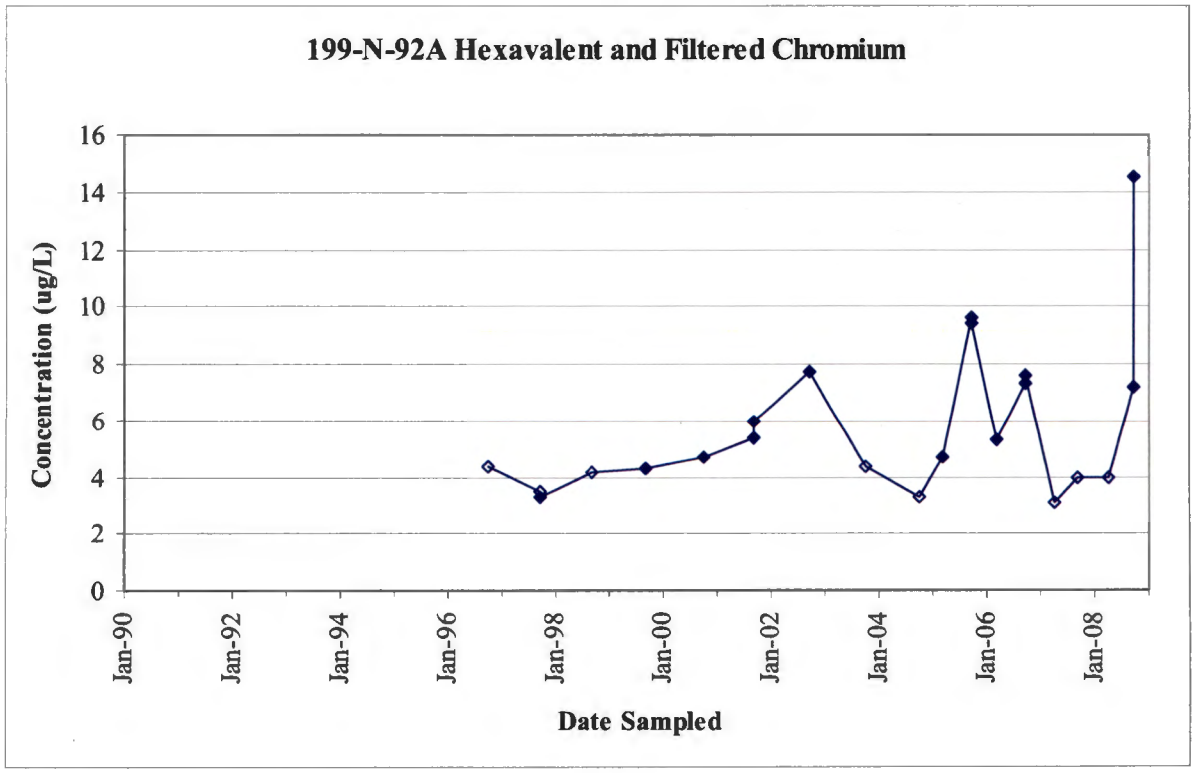

199-N-75 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

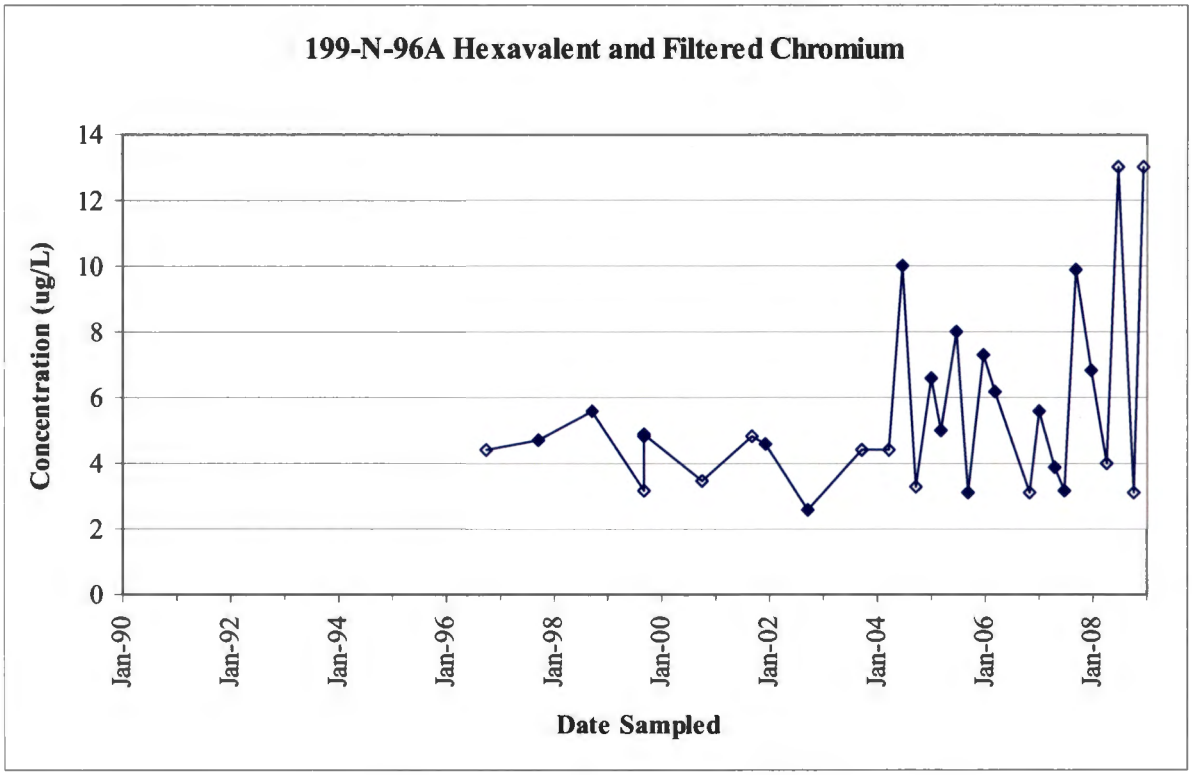

199-N-76 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

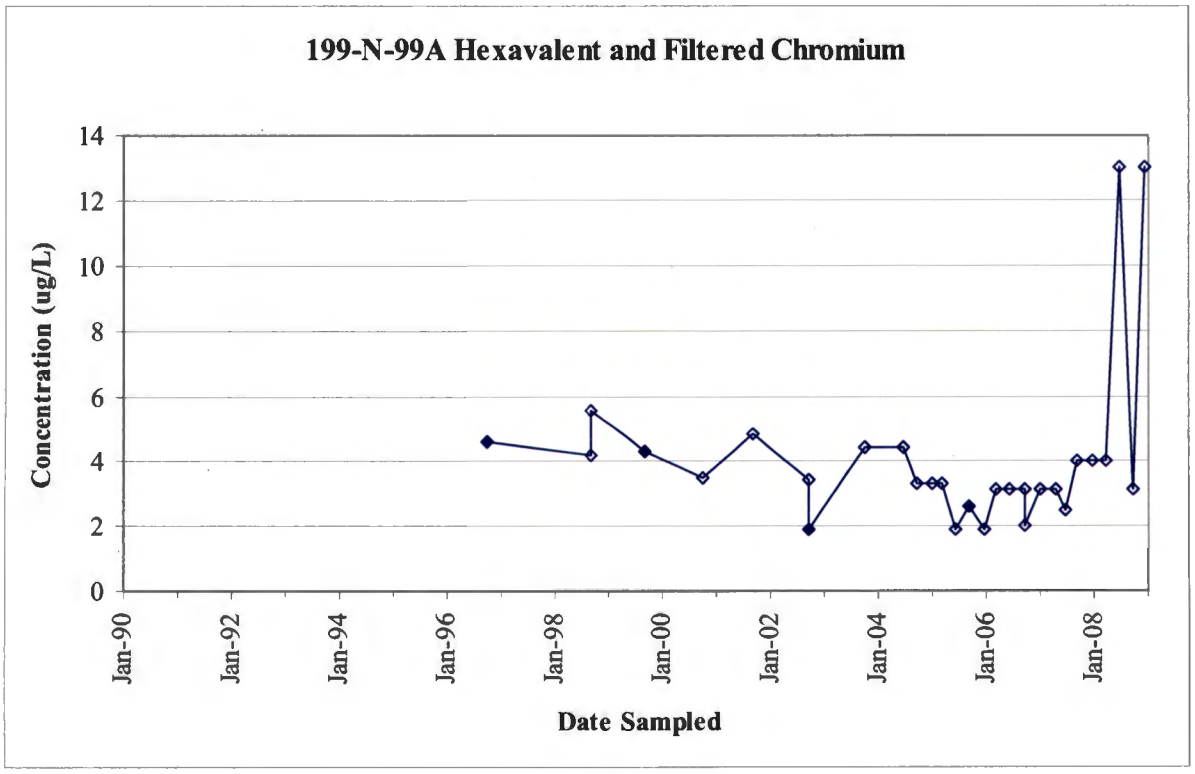

199-N-77 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

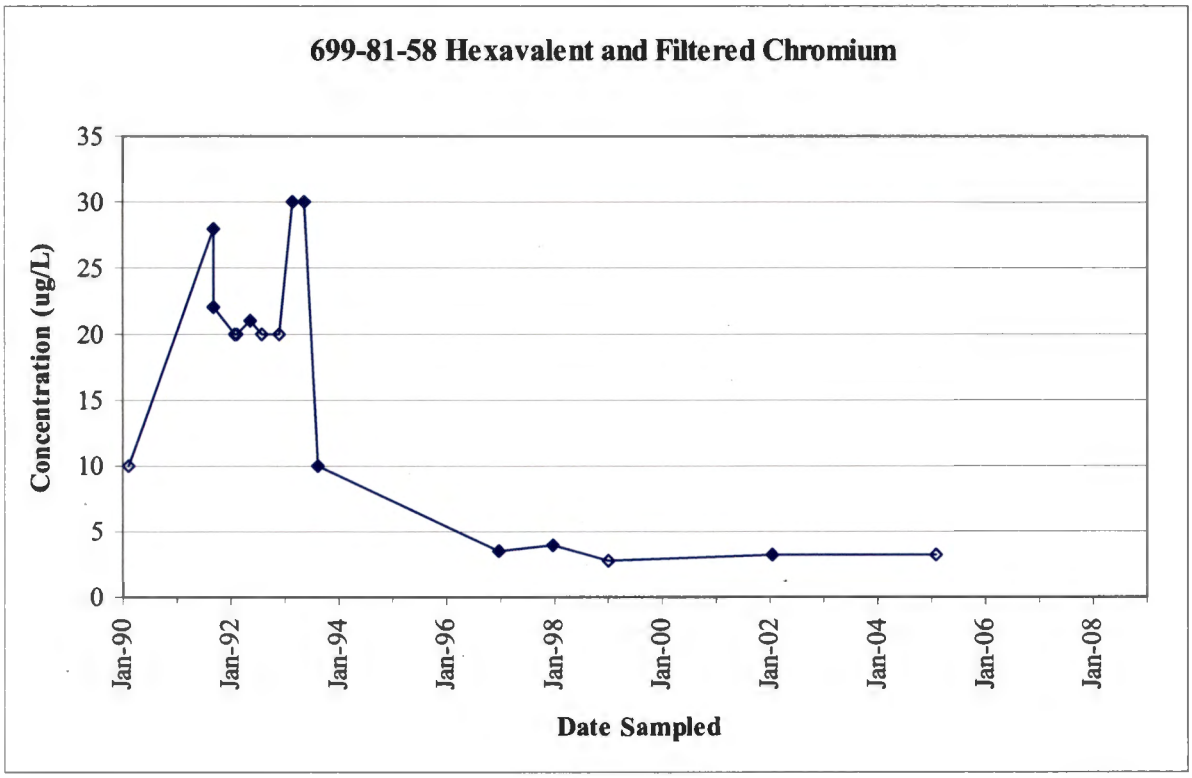

199-N-80 Hexavalent and Filtered Chromium
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

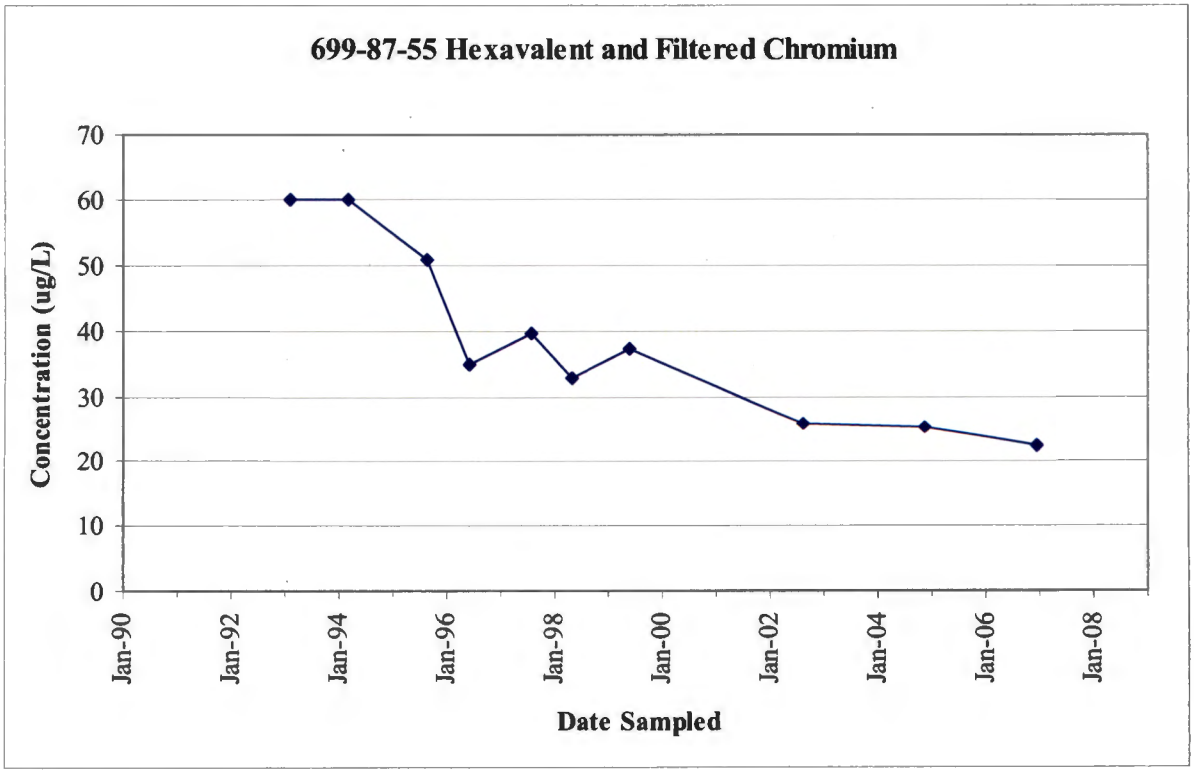

199-N-81 Hexavalent and Filtered Chromium
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

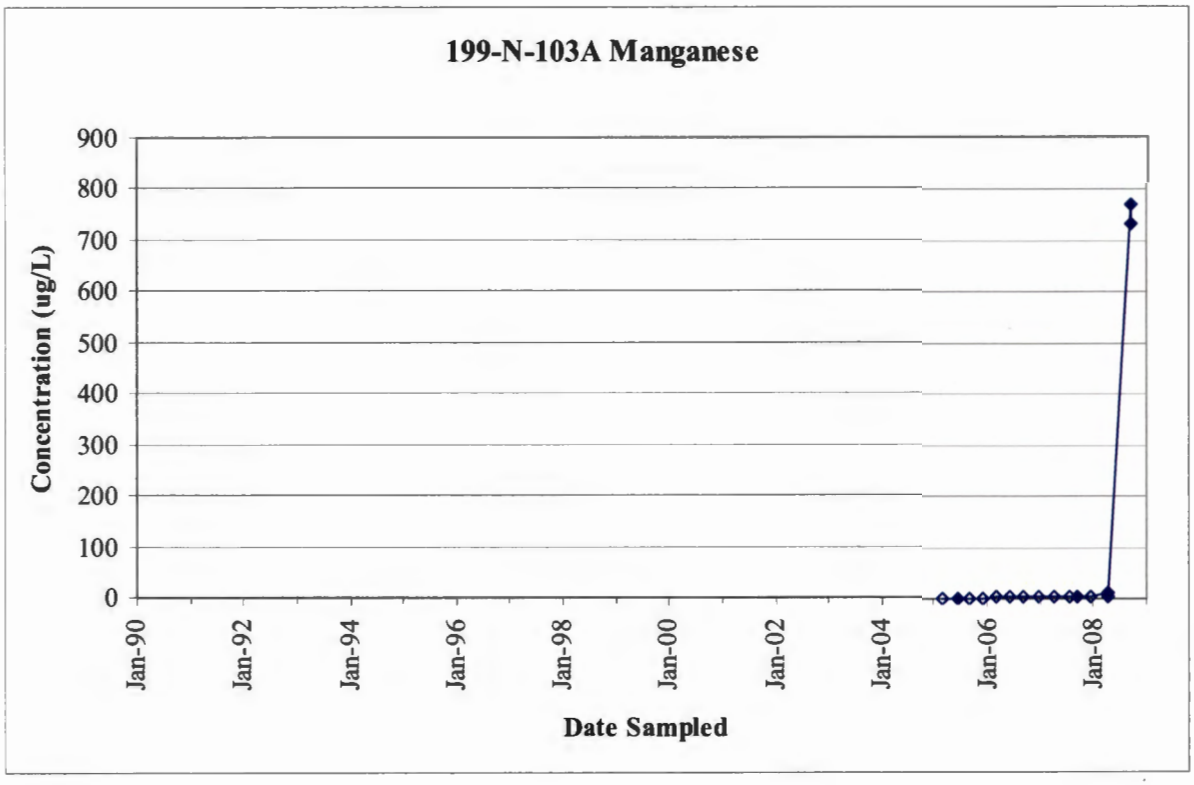

199-N-92A Hexavalent and Filtered Chromium
Concentration (ug/L)
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

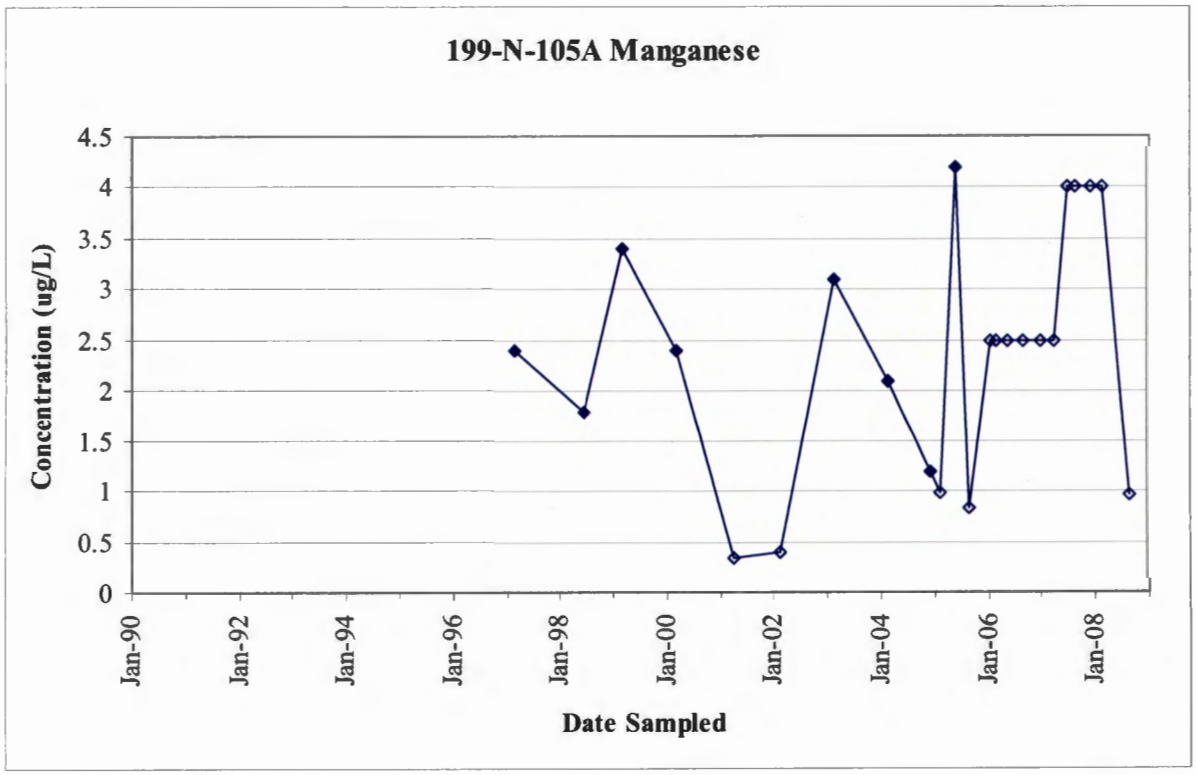

199-N-96A Hexavalent and Filtered Chromium
Concentration (ug/L)
0
2
4
6
8
10
12
14
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

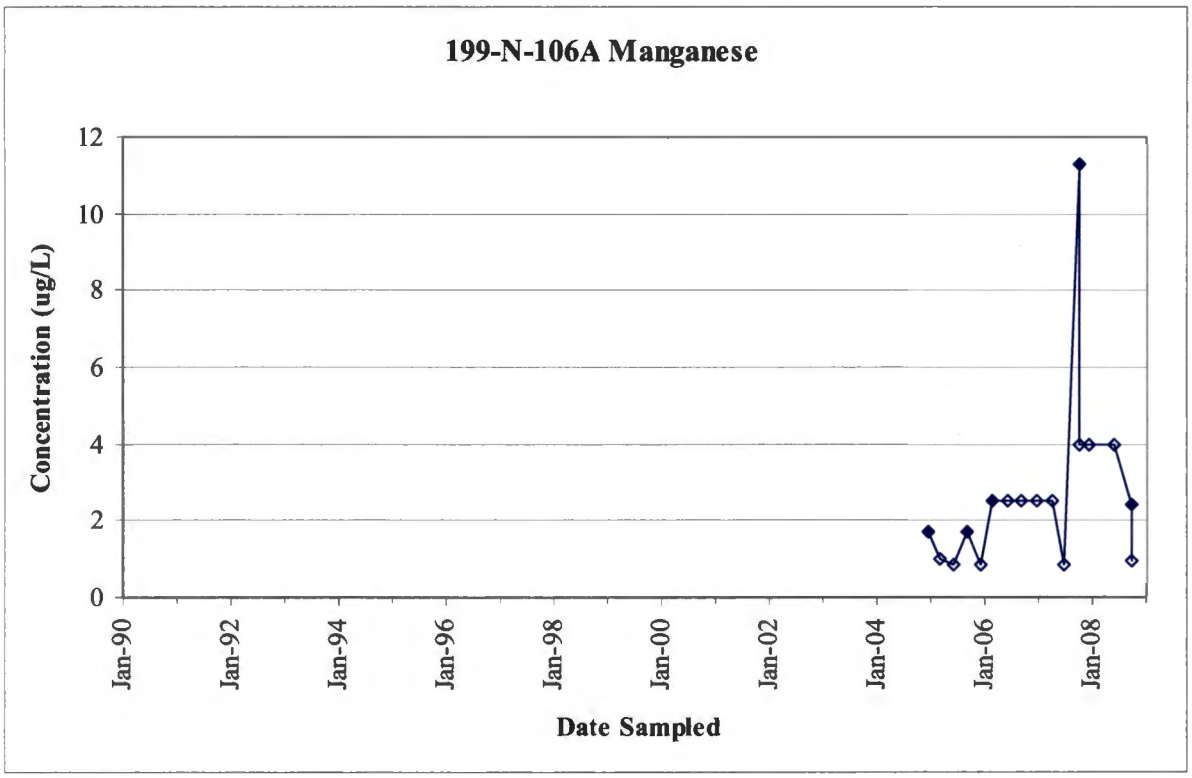

199-N-99A Hexavalent and Filtered Chromium
Concentration (ug/L)
0
2
4
6
8
10
12
14
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

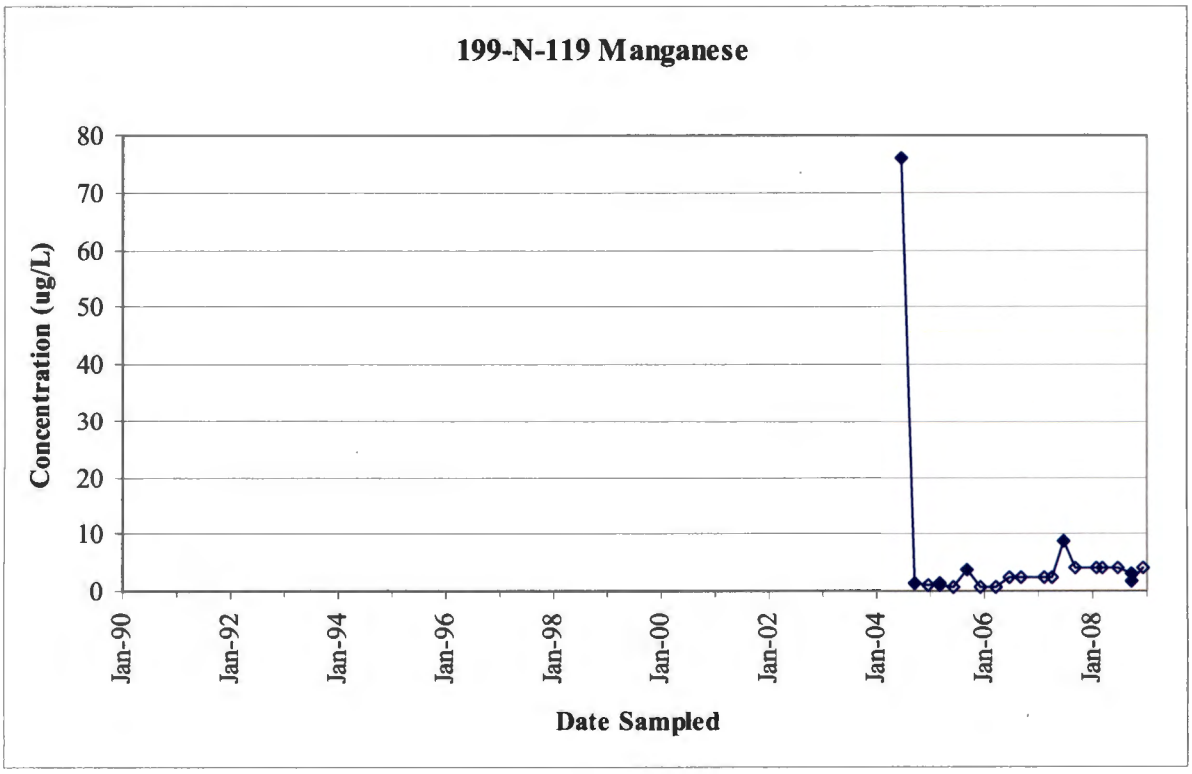

699-81-58 Hexavalent and Filtered Chromium
Concentration (ug/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

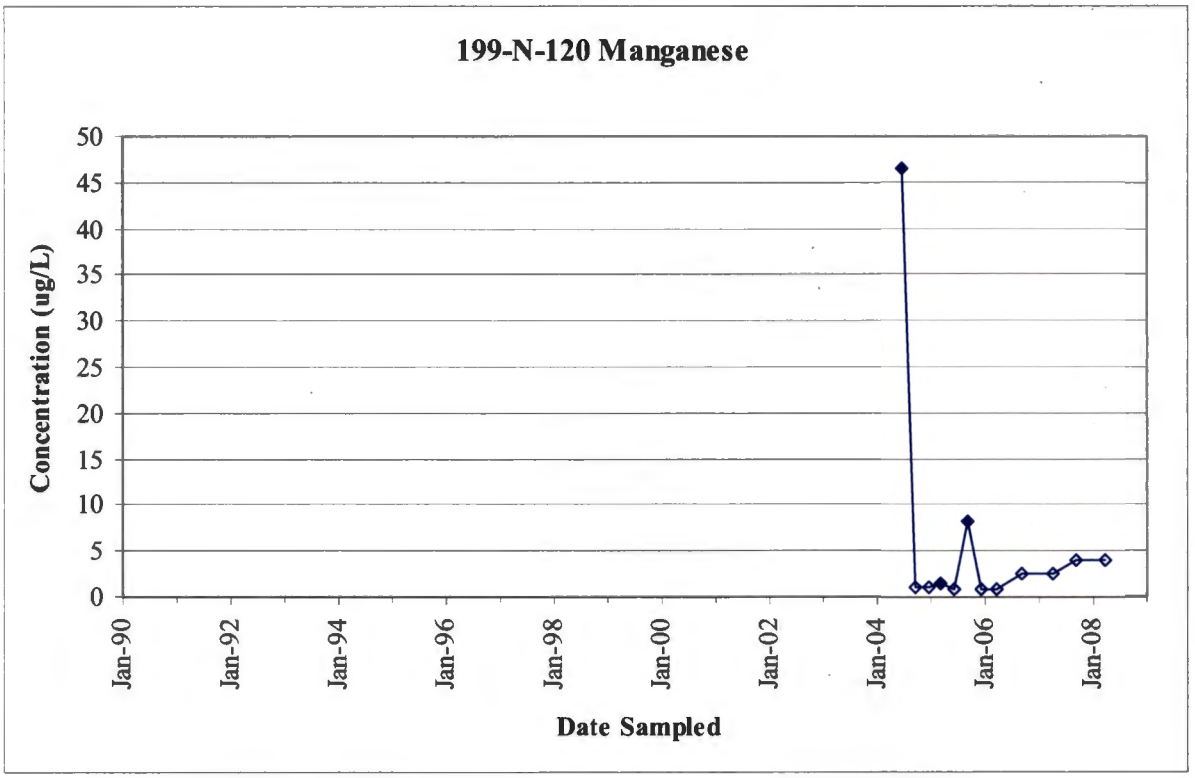

699-87-55 Hexavalent and Filtered Chromium
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

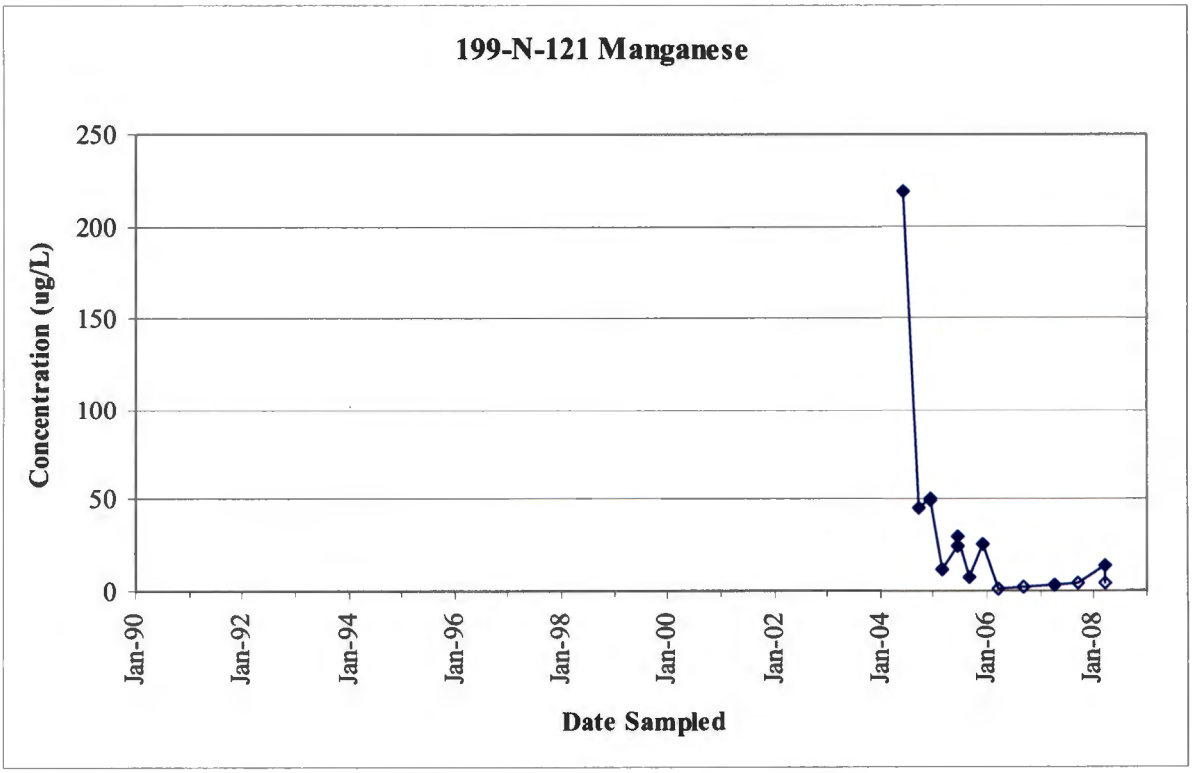

199-N-103A Manganese
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

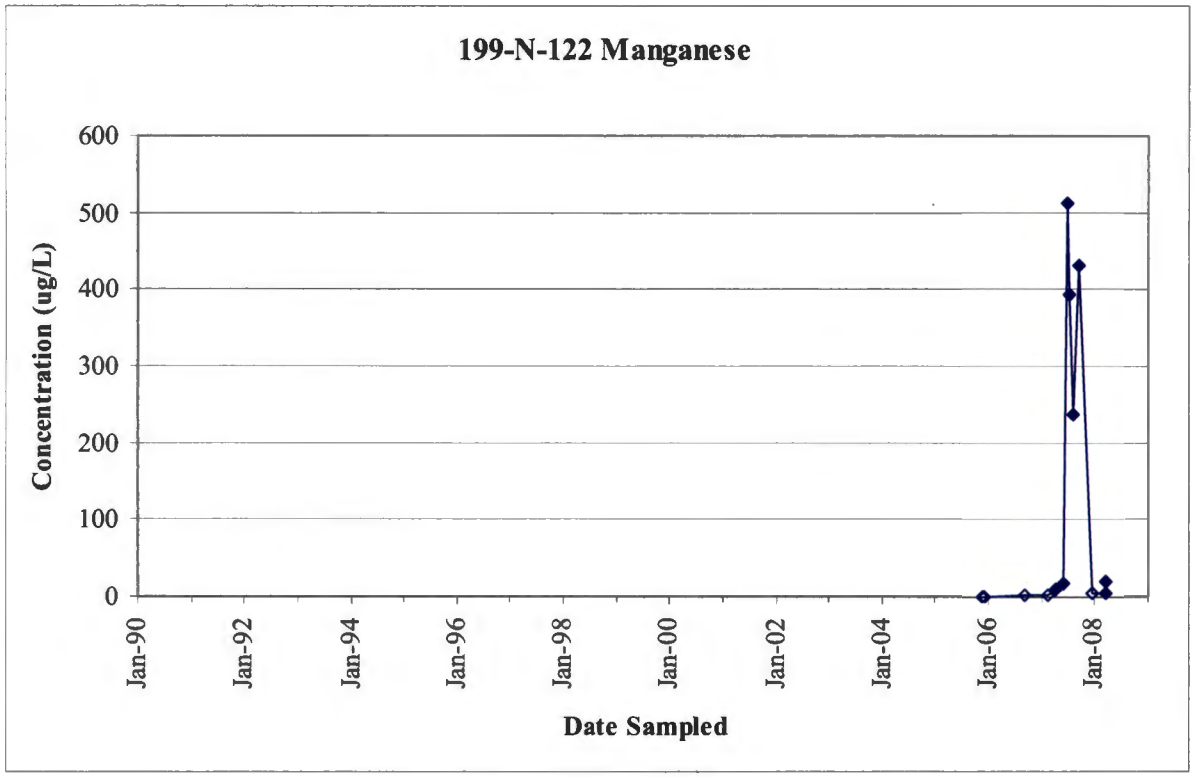

199-N-105A Manganese
Concentration (ug/L)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

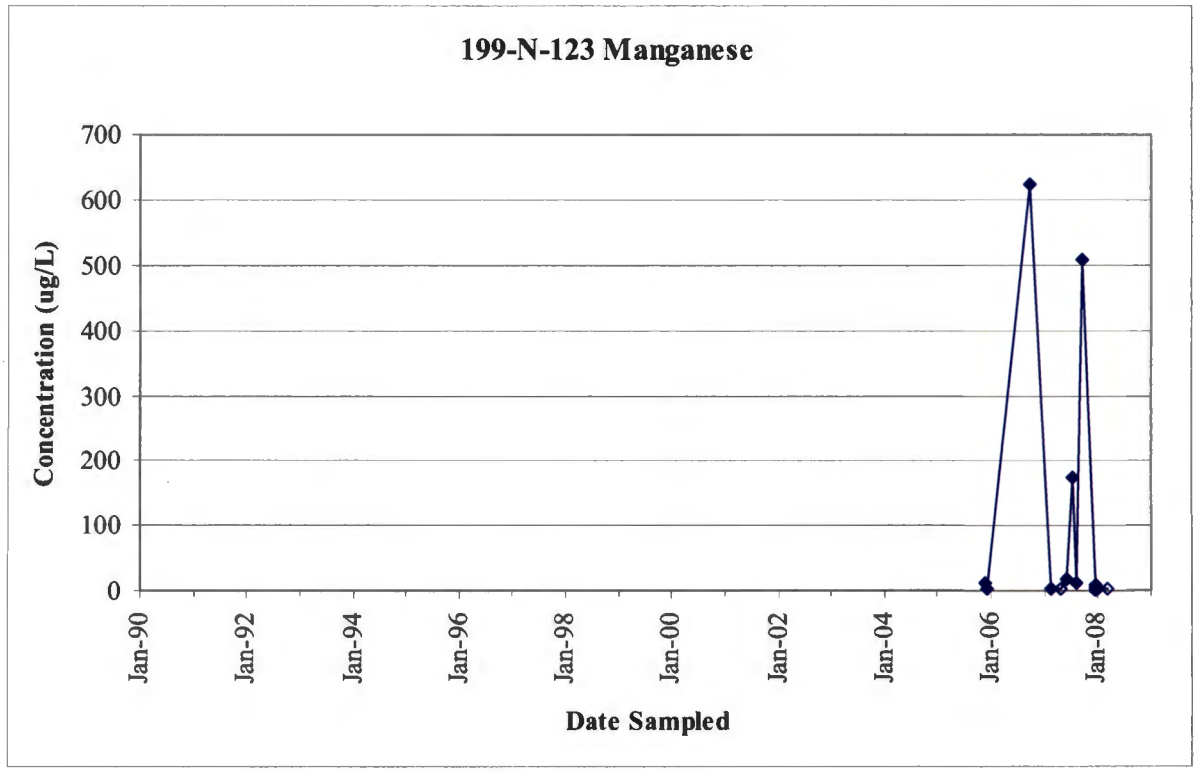

199-N-106A Manganese
Concentration (ug/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

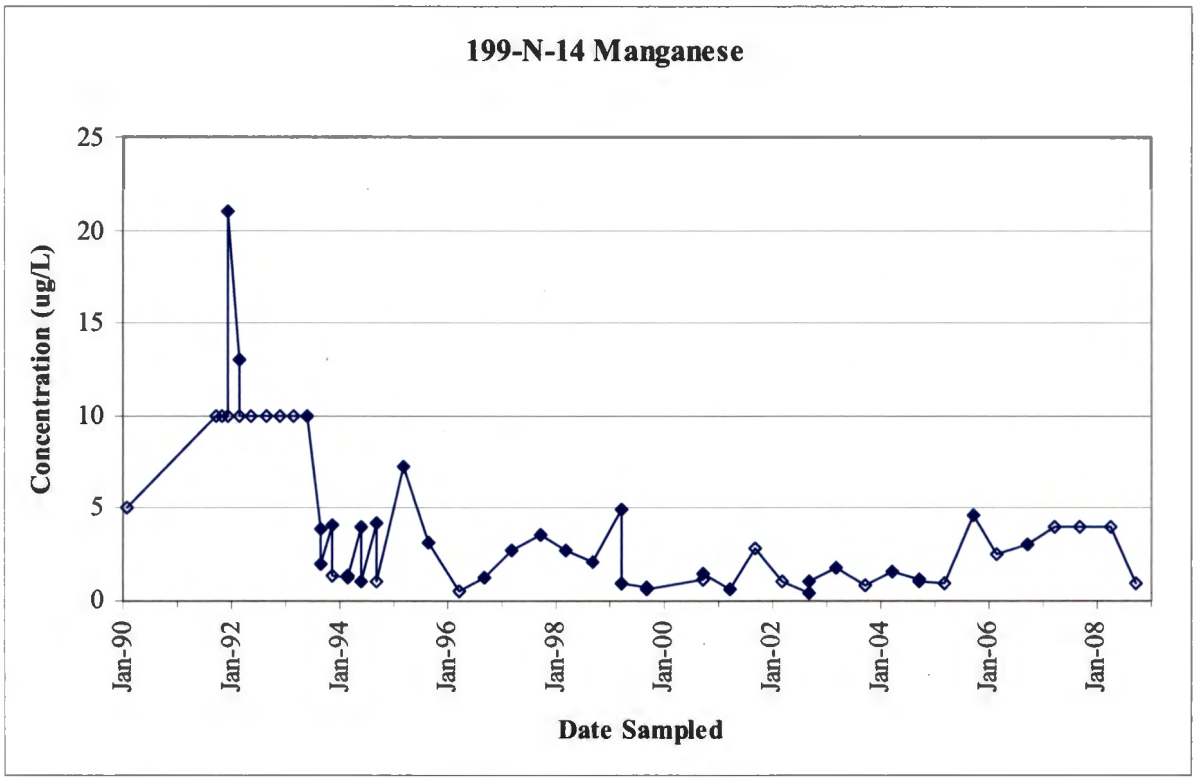

199-N-119 Manganese
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

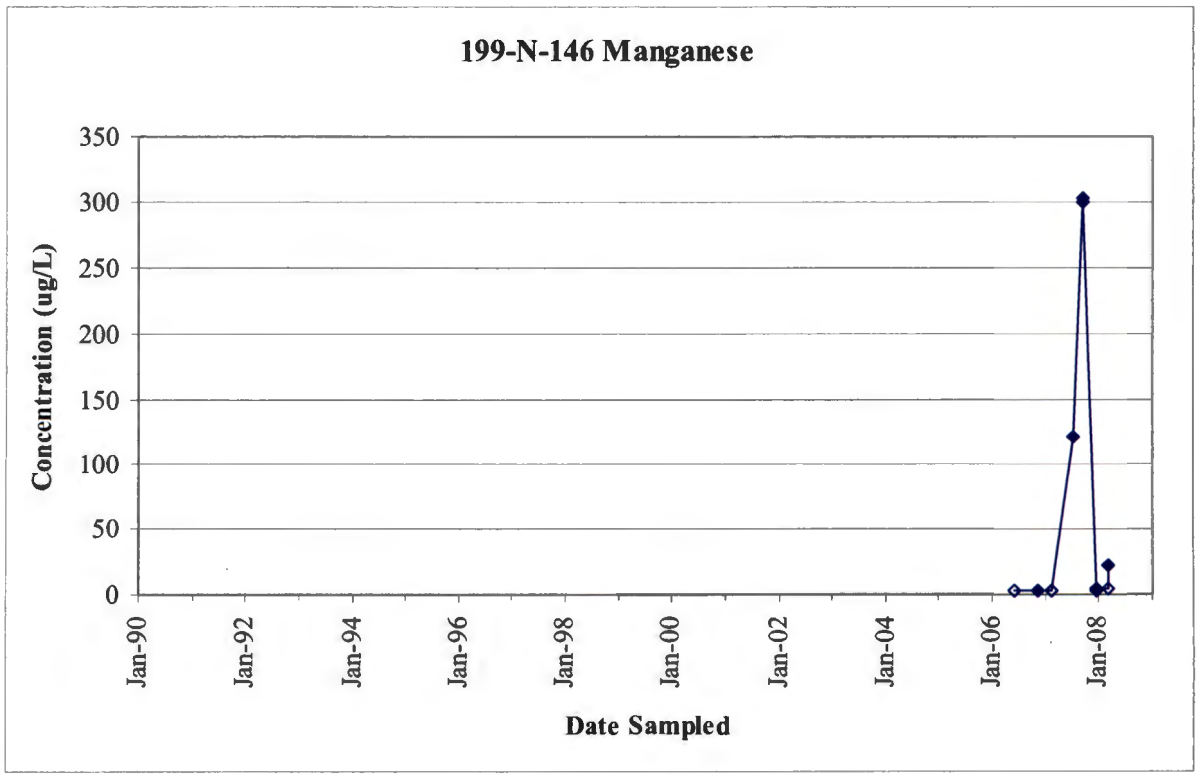

199-N-120 Manganese
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

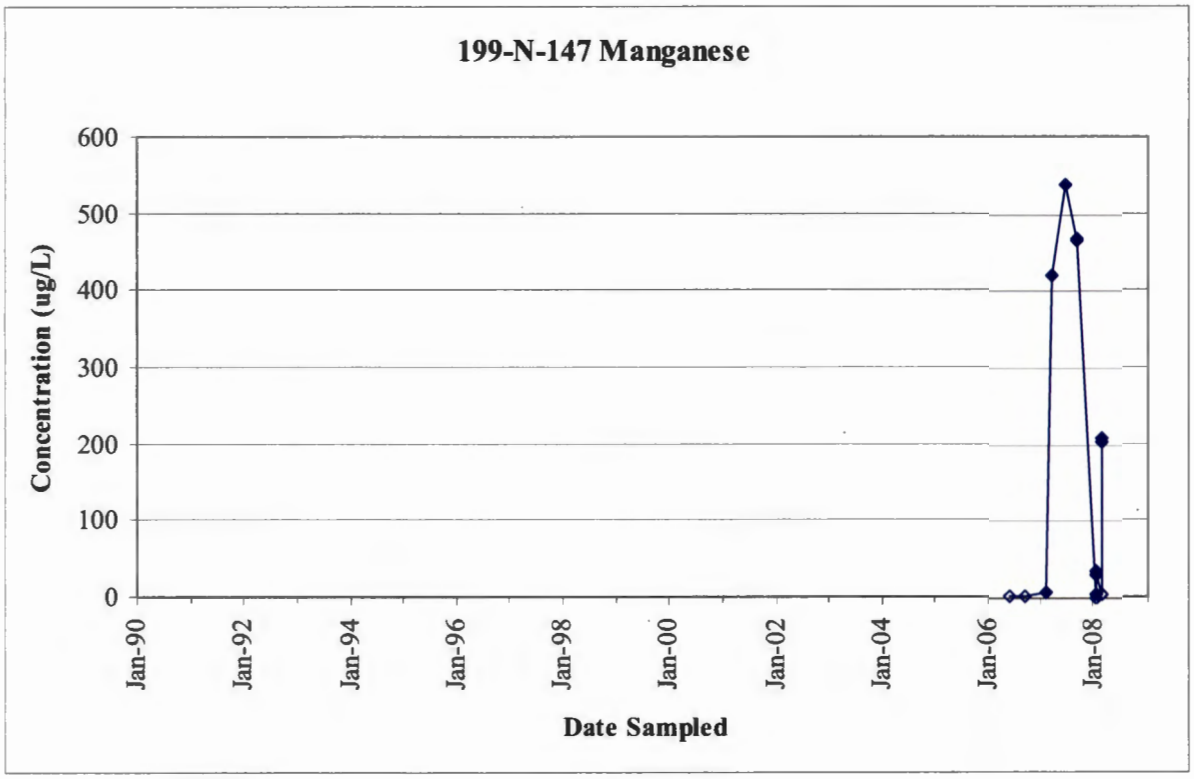

199-N-121 Manganese
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

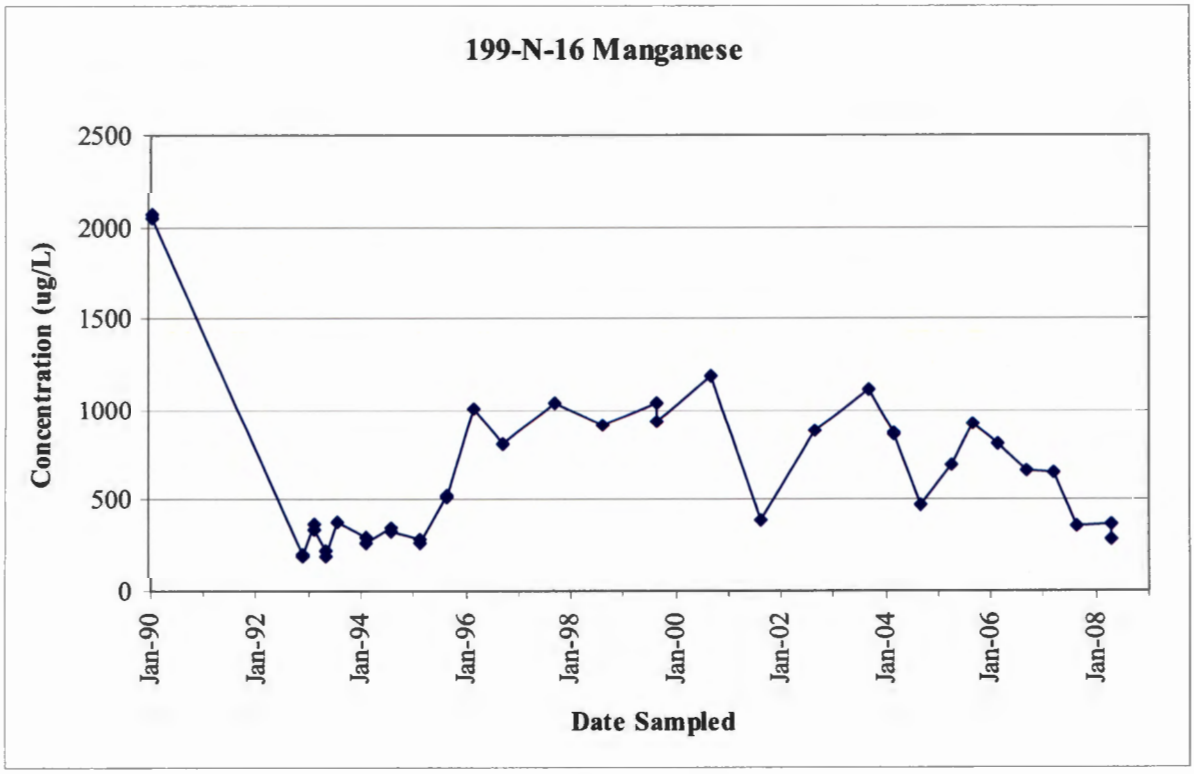

199-N-122 Manganese
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

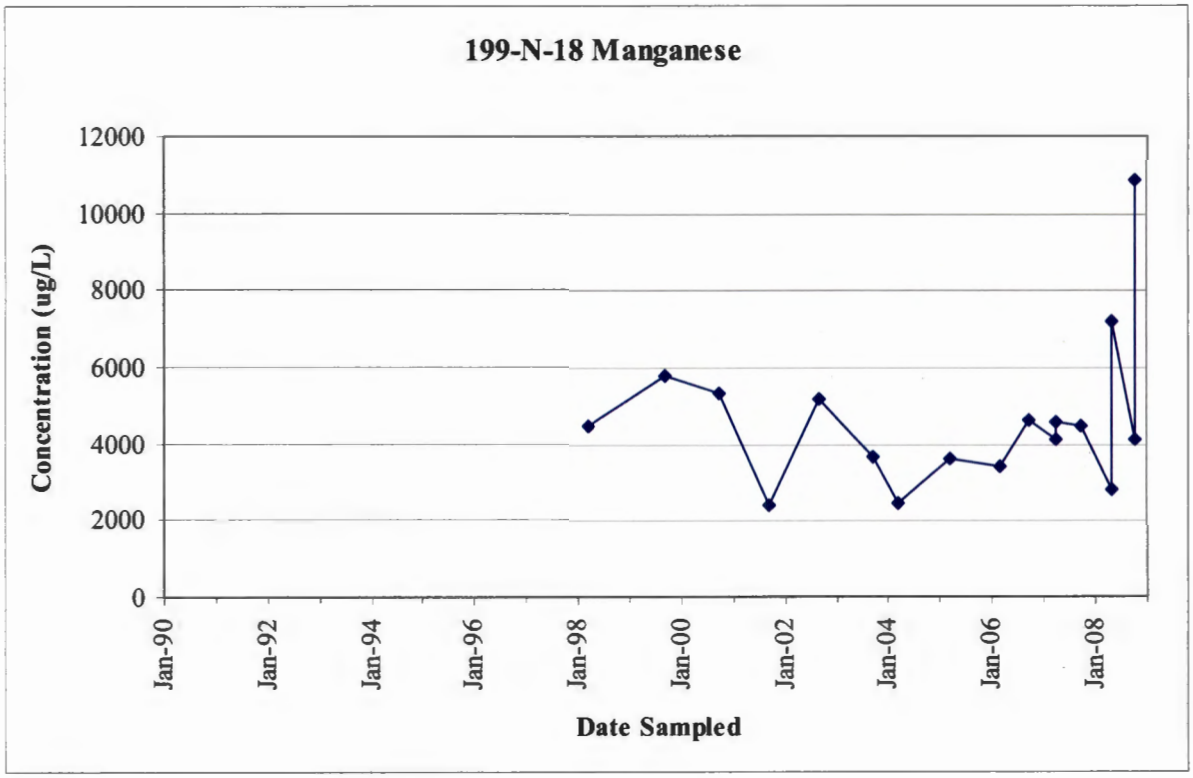

199-N-123 Manganese
Concentration (ug/L)
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

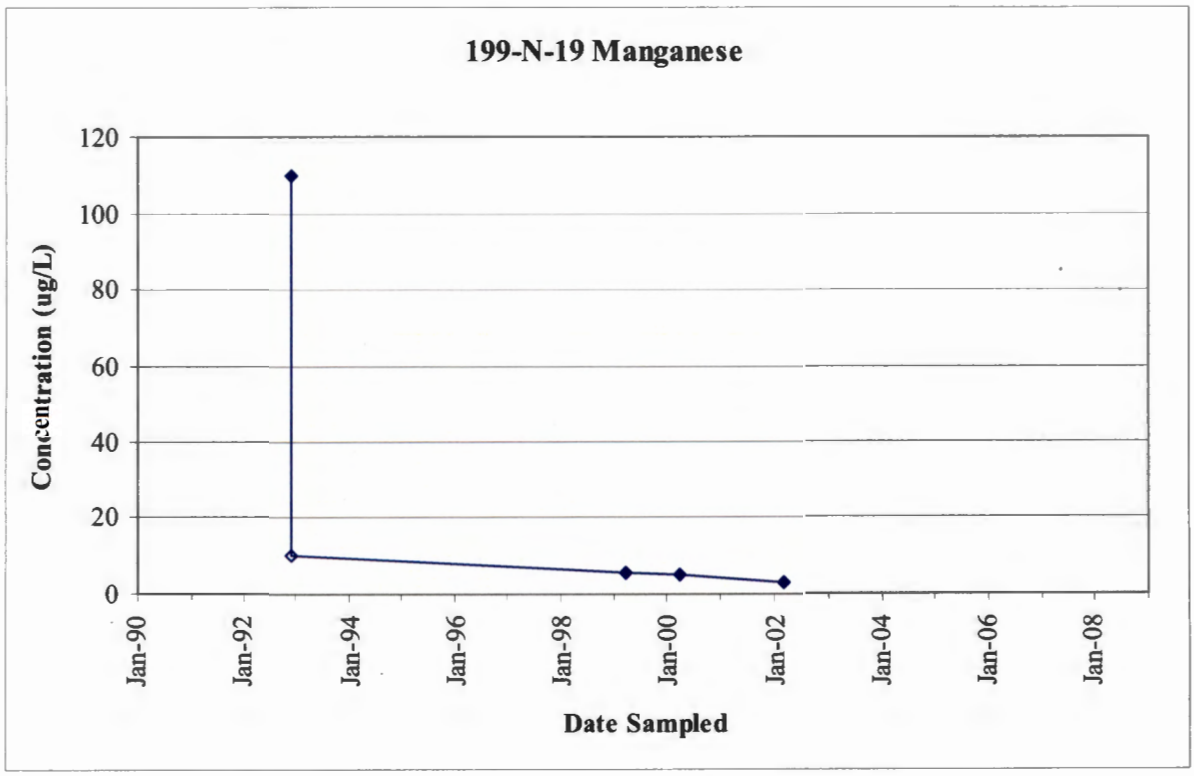

199-N-14 Manganese
Concentration (ug/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

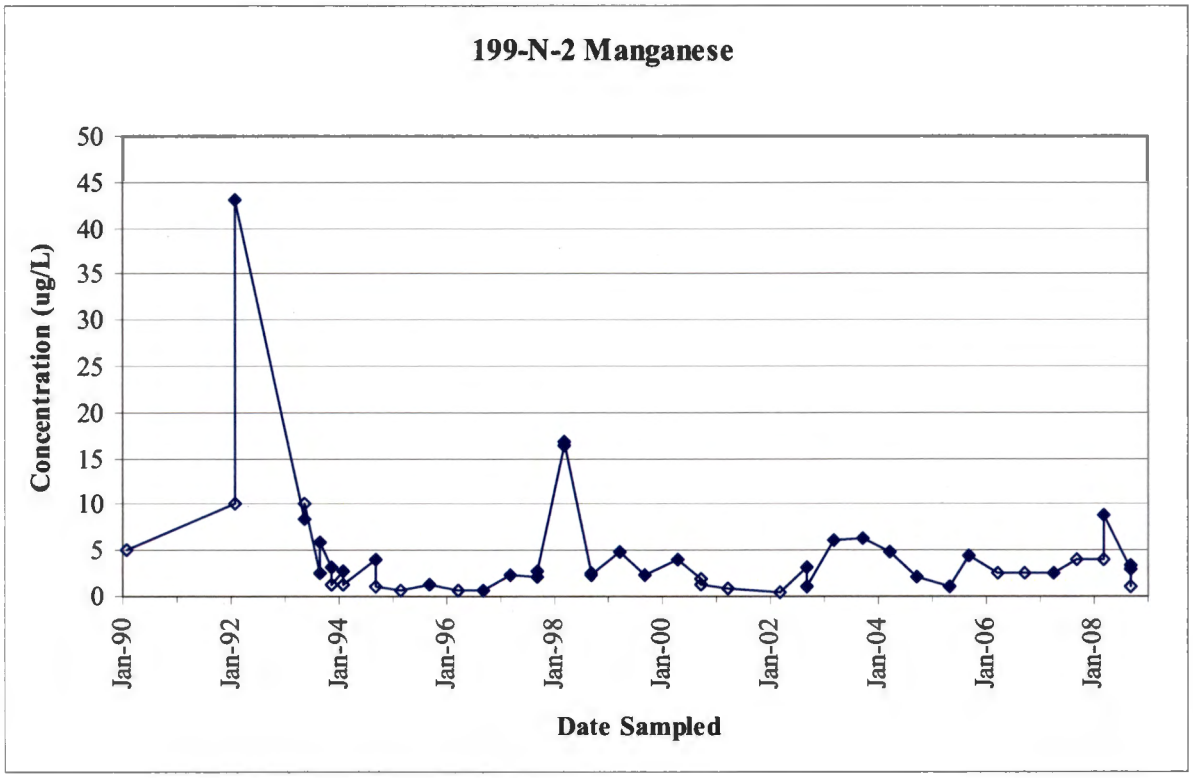

199-N-146 Manganese
Concentration (ug/L)
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

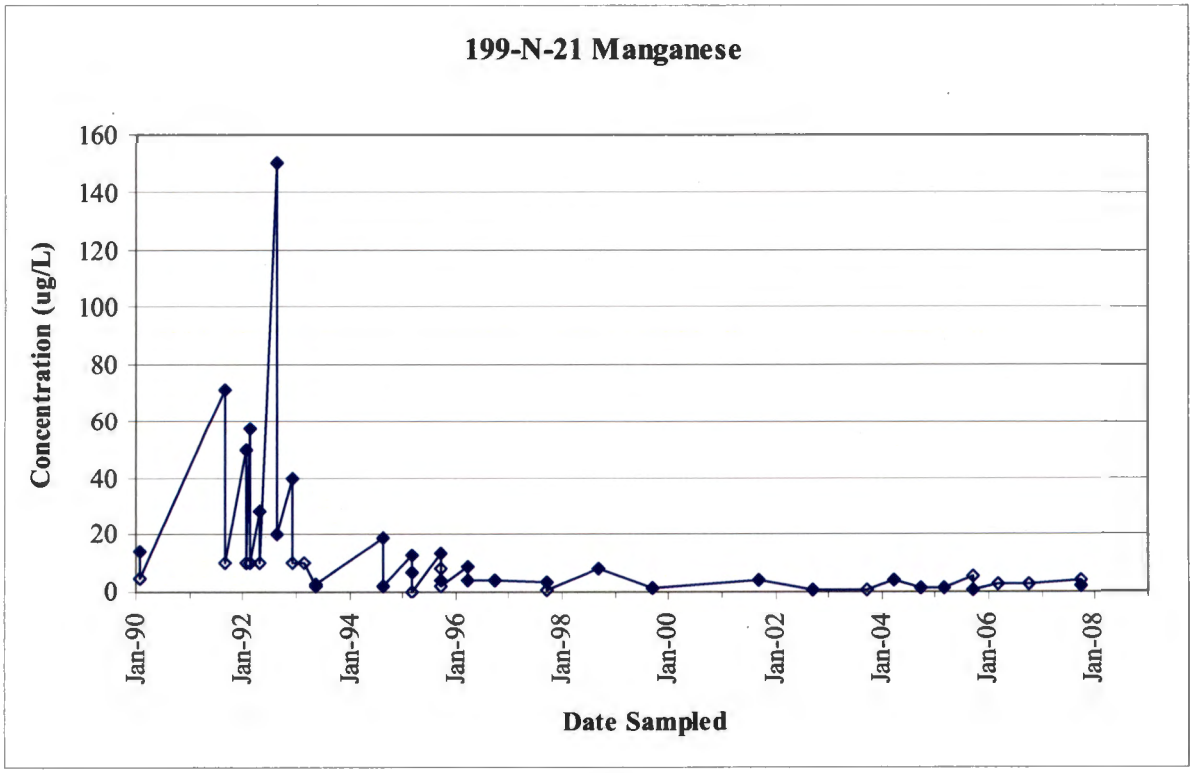

199-N-147 Manganese
Concentration (ug/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

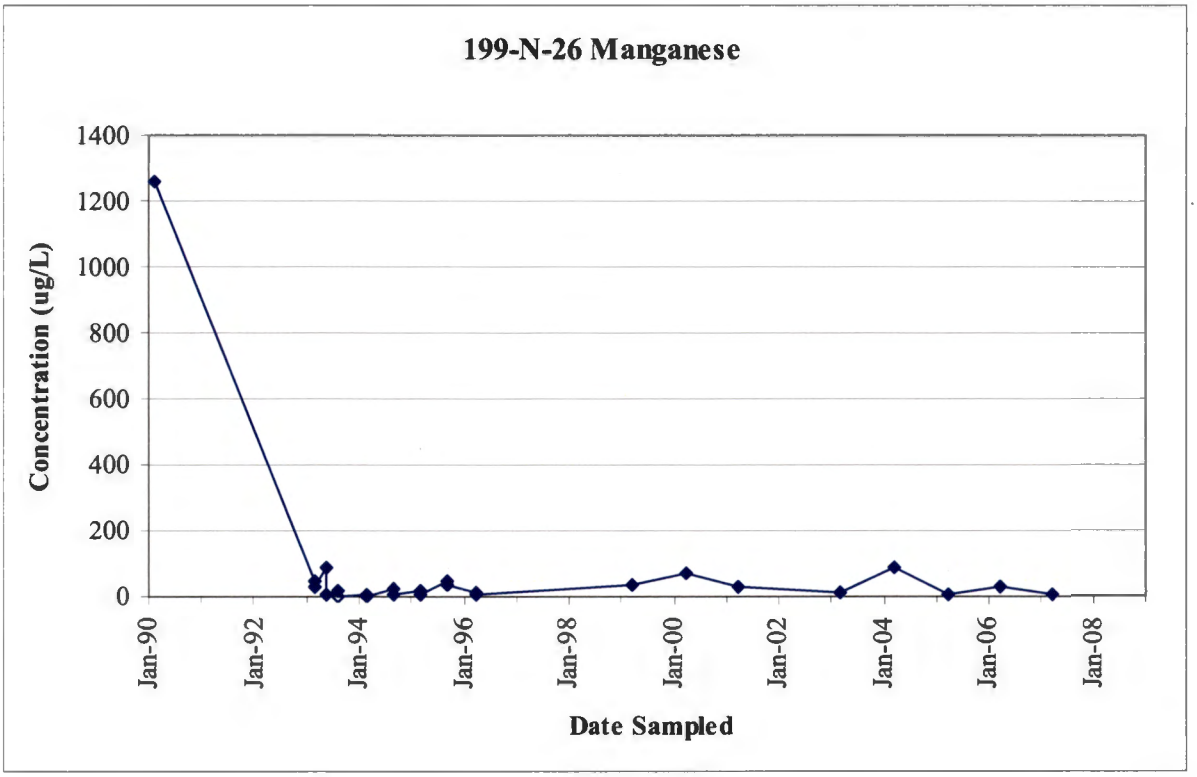

199-N-16 Manganese
Concentration (ug/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

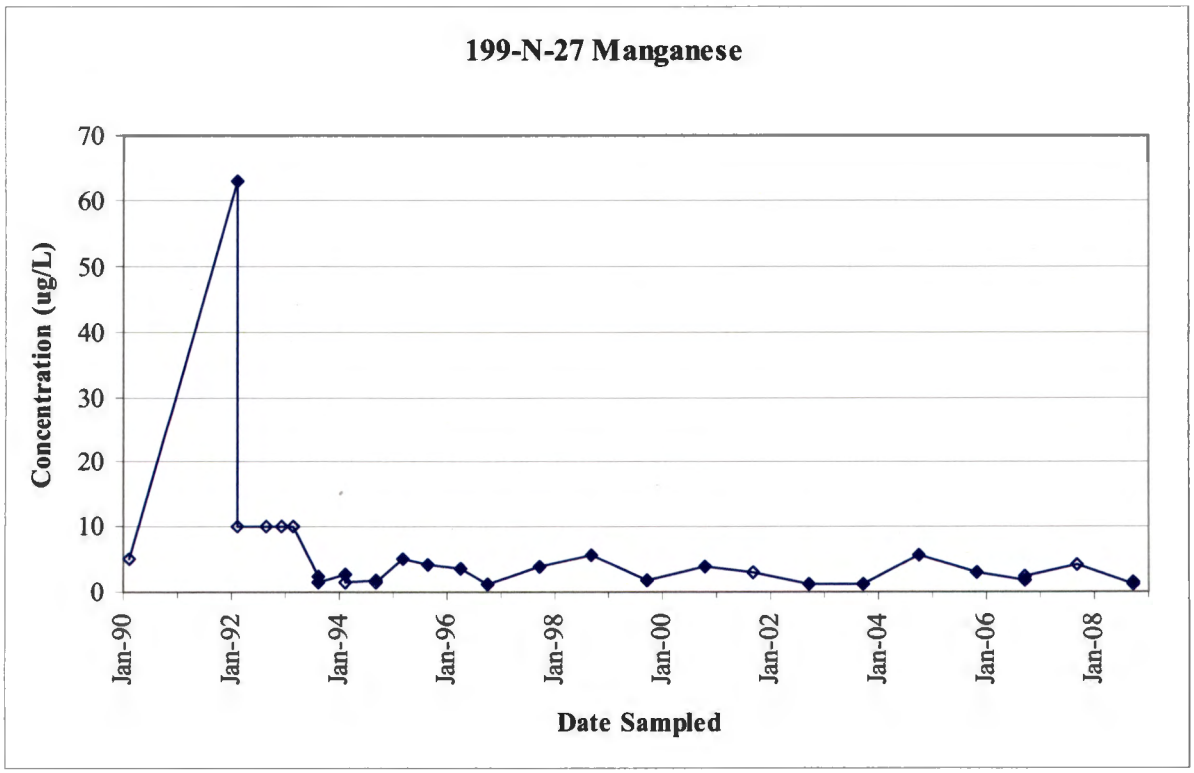

199-N-18 Manganese
Concentration (ug/L)
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

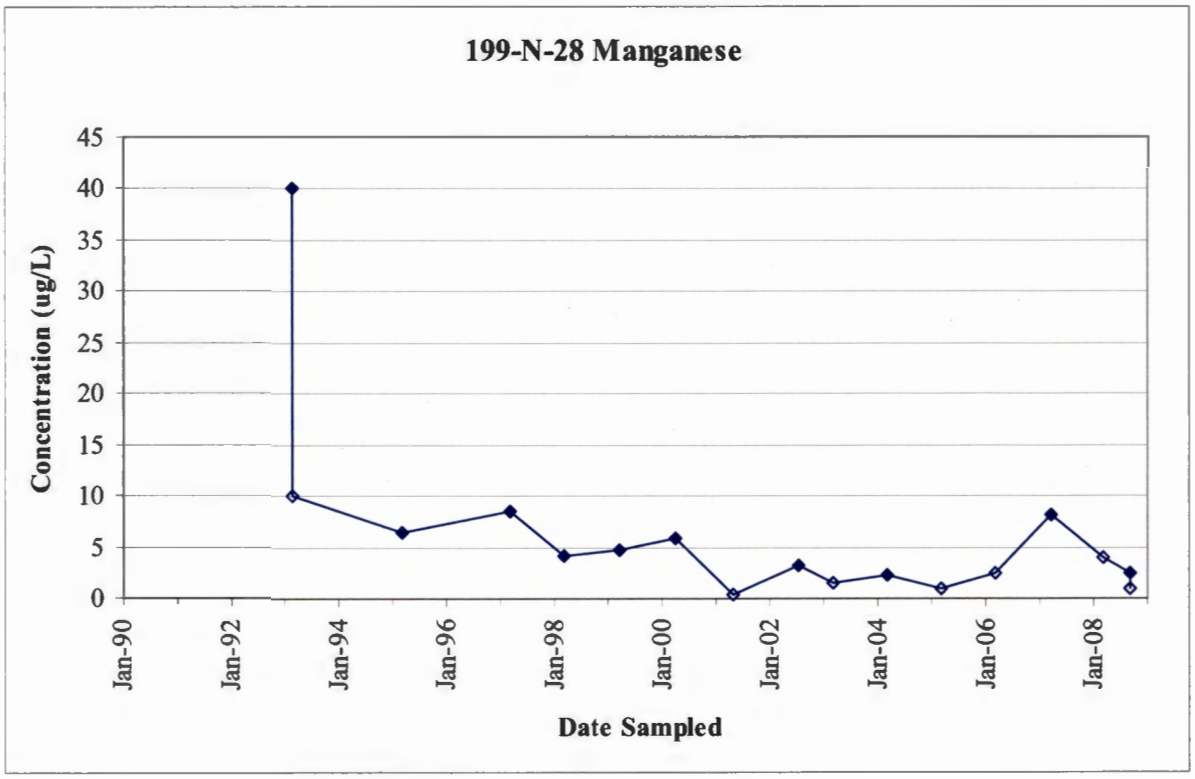

199-N-19 Manganese
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

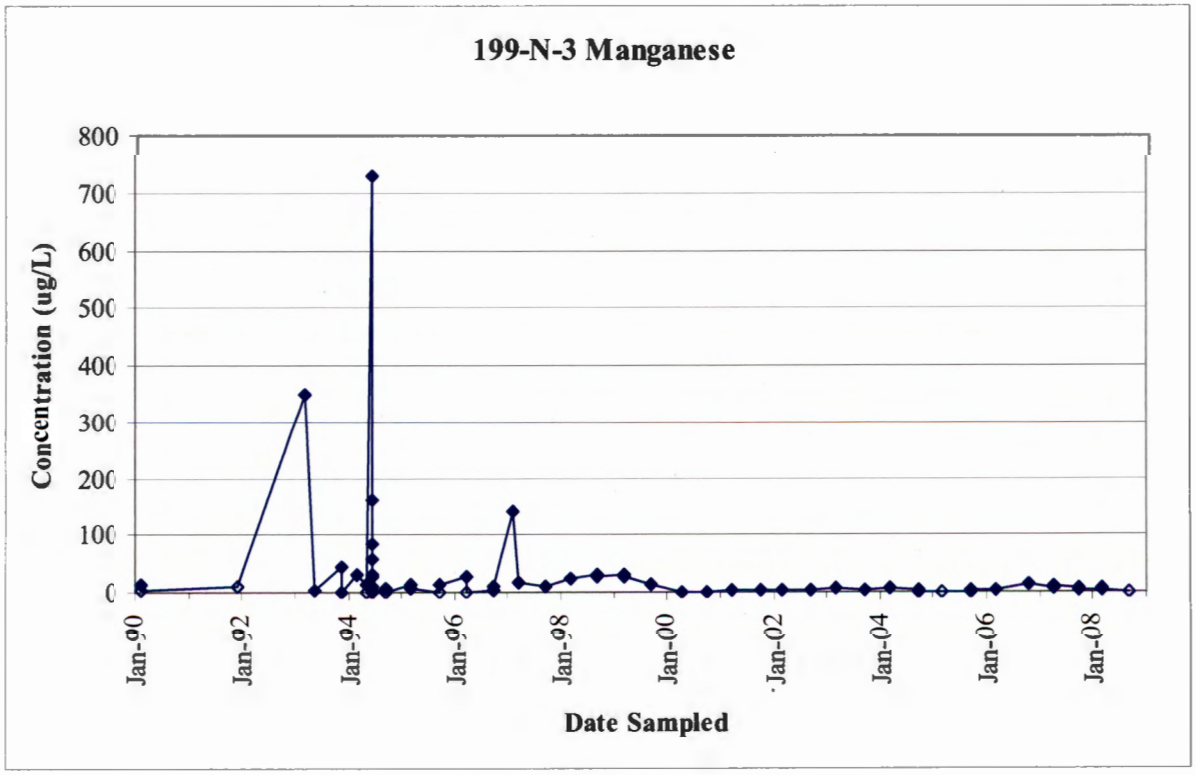

199-N-2 Manganese
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

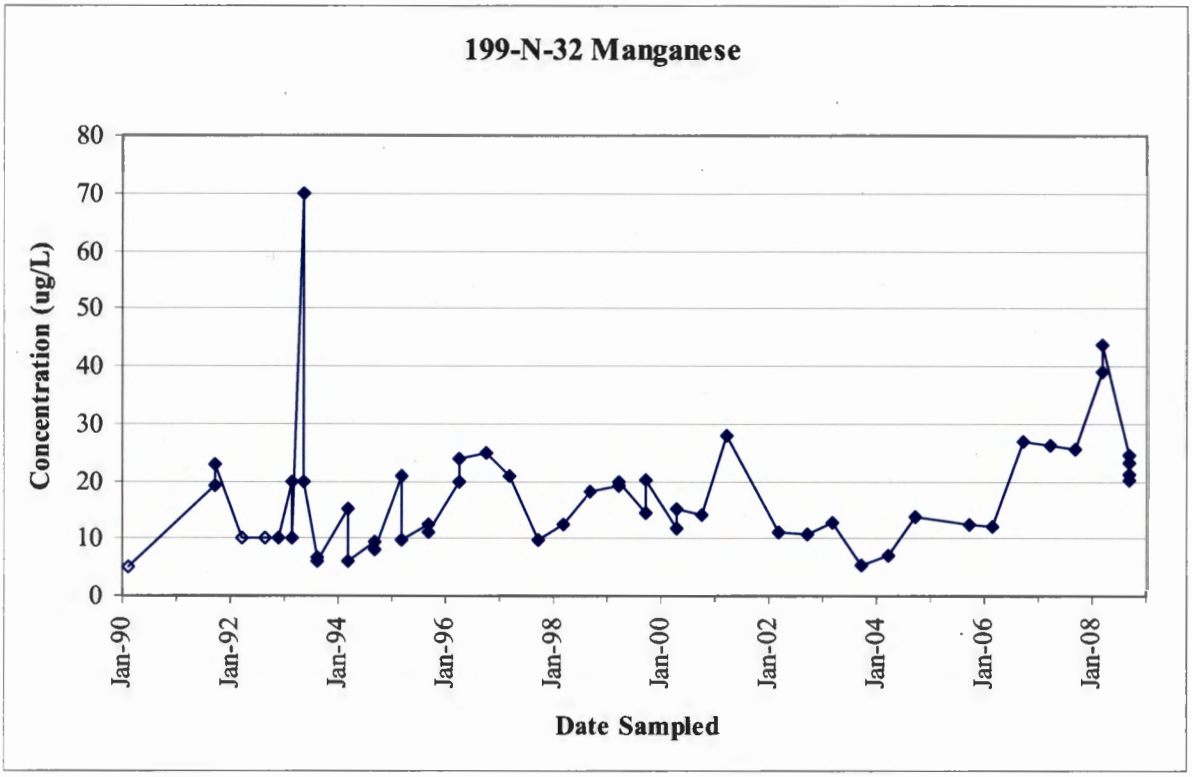

199-N-21 Manganese
Concentration (ug/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

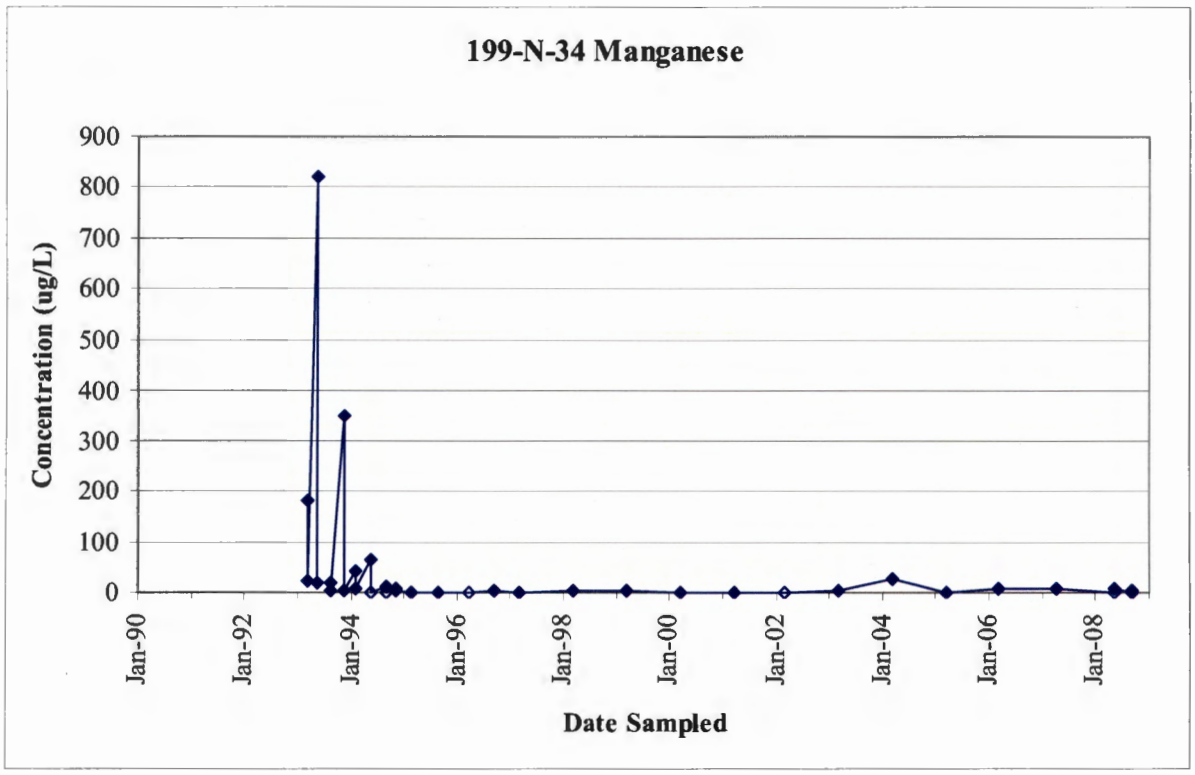

199-N-26 Manganese
Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

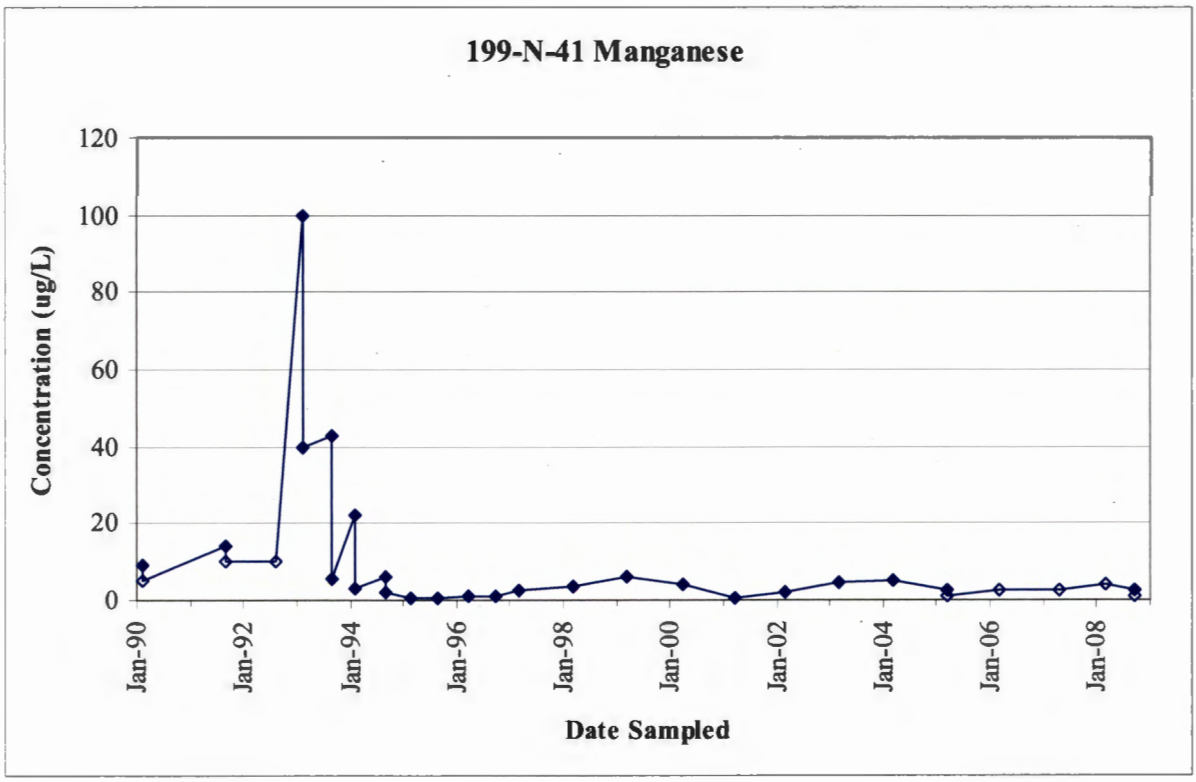

199-N-27 Manganese
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

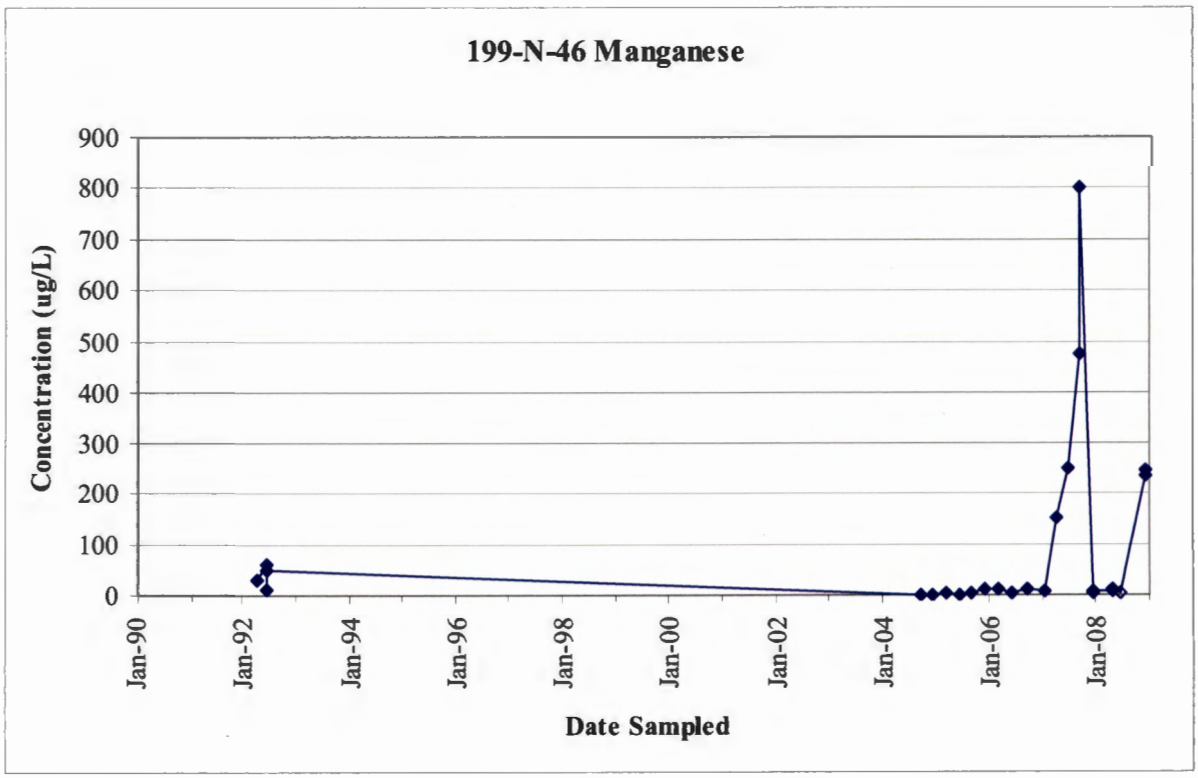

199-N-28 Manganese
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

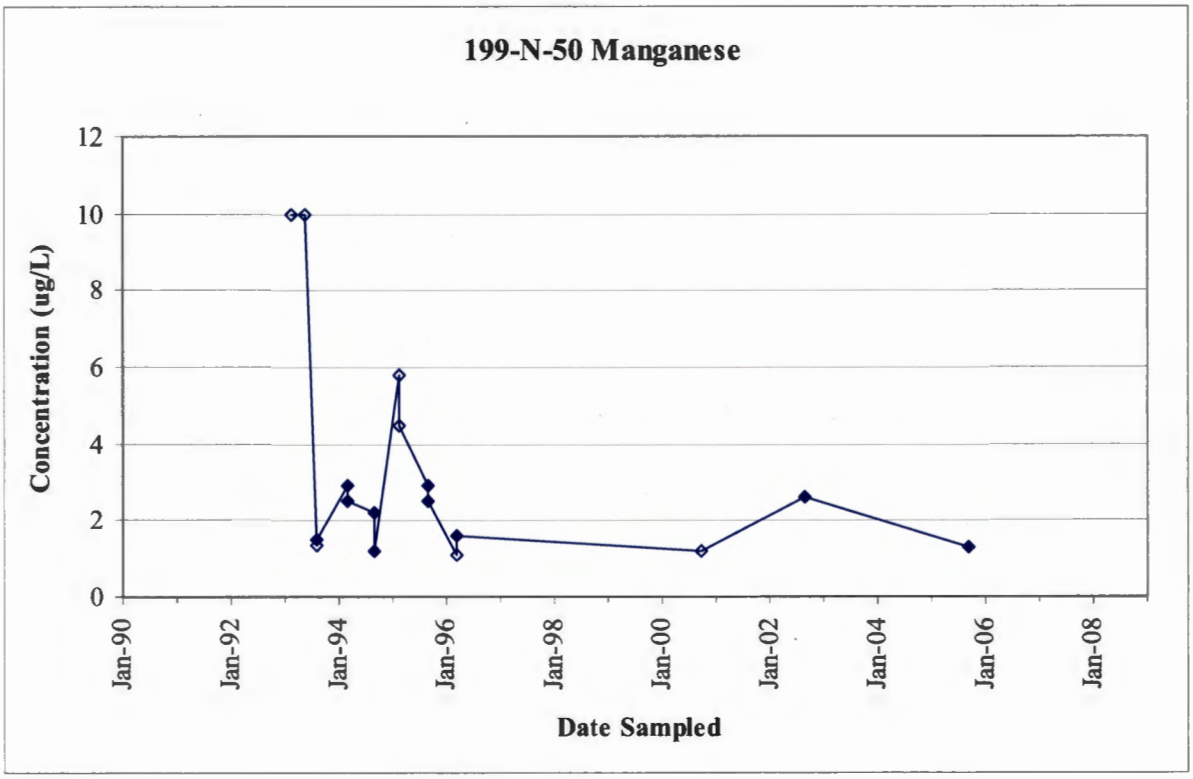

199-N-3 Manganese
Concentration (ug/L)
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

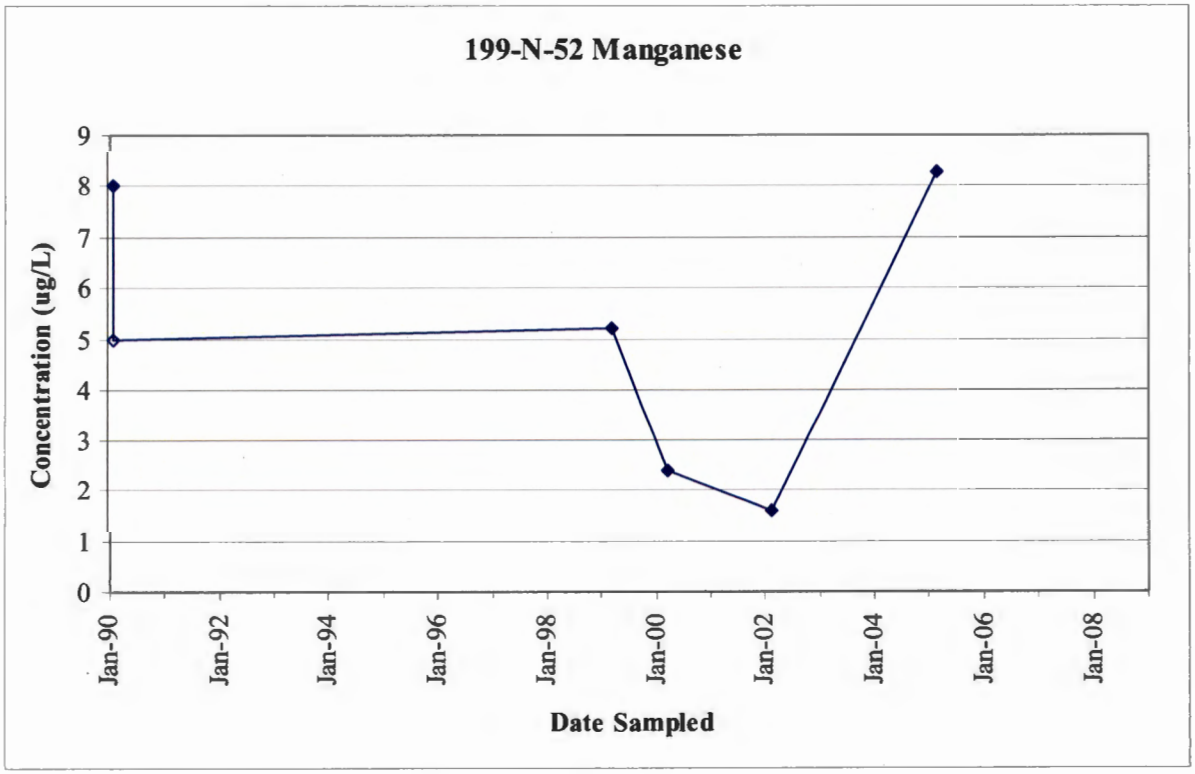

199-N-32 Manganese
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

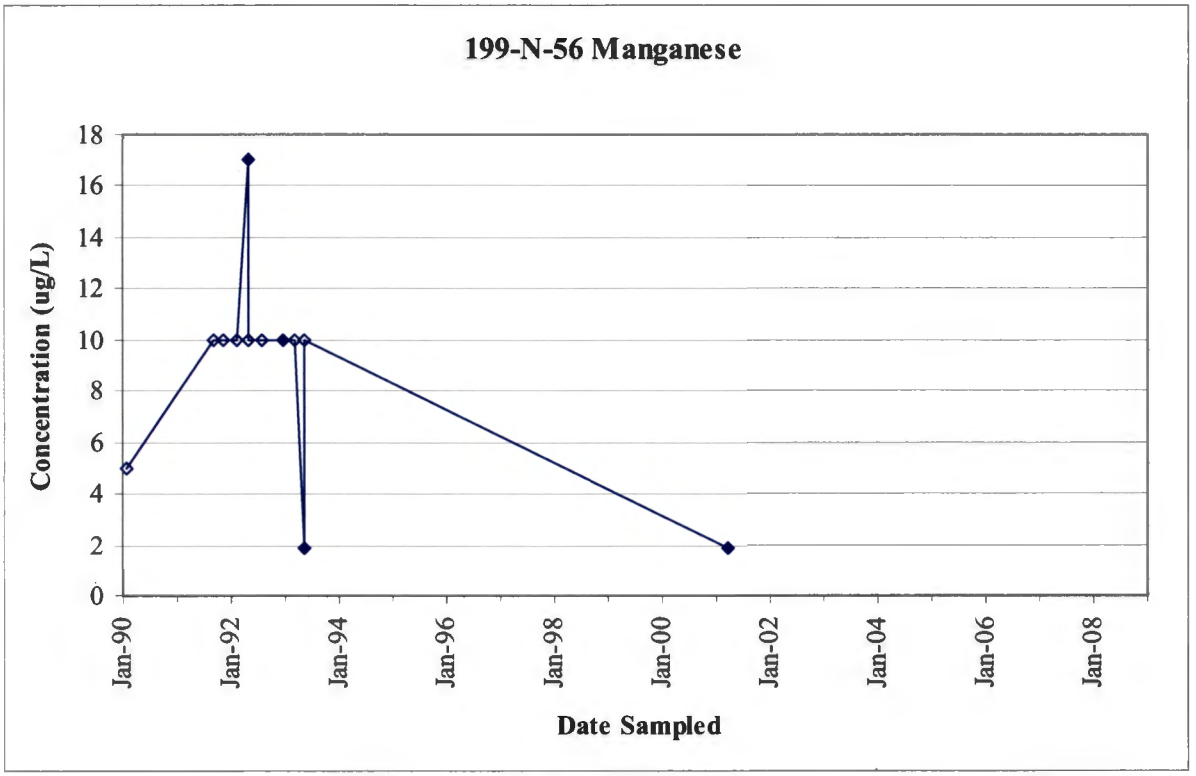

199-N-34 Manganese
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

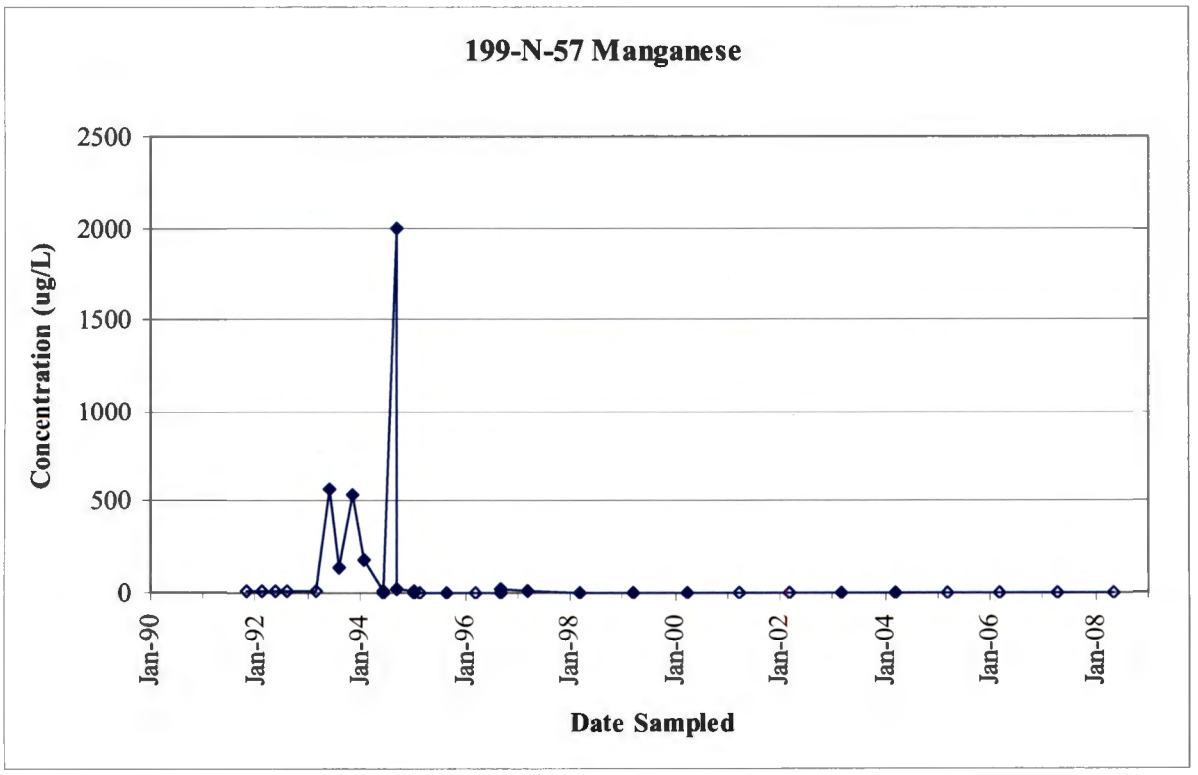

199-N-41 Manganese
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

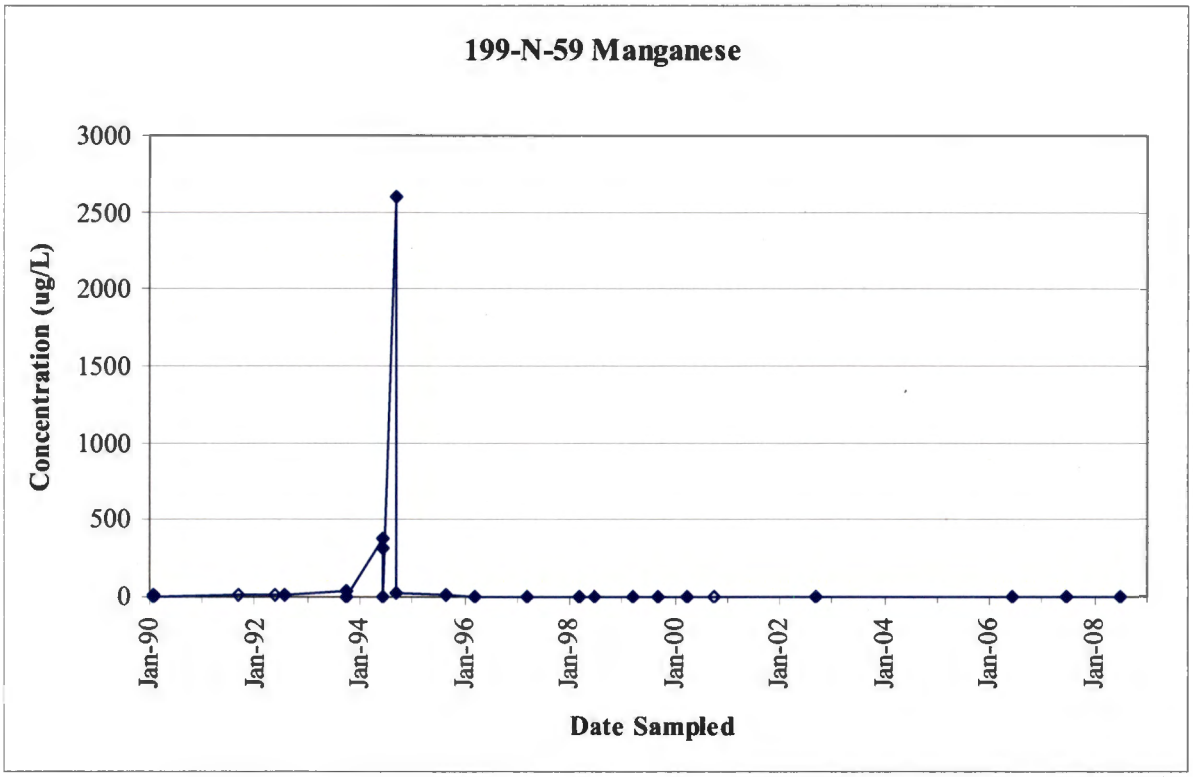

199-N-46 Manganese
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

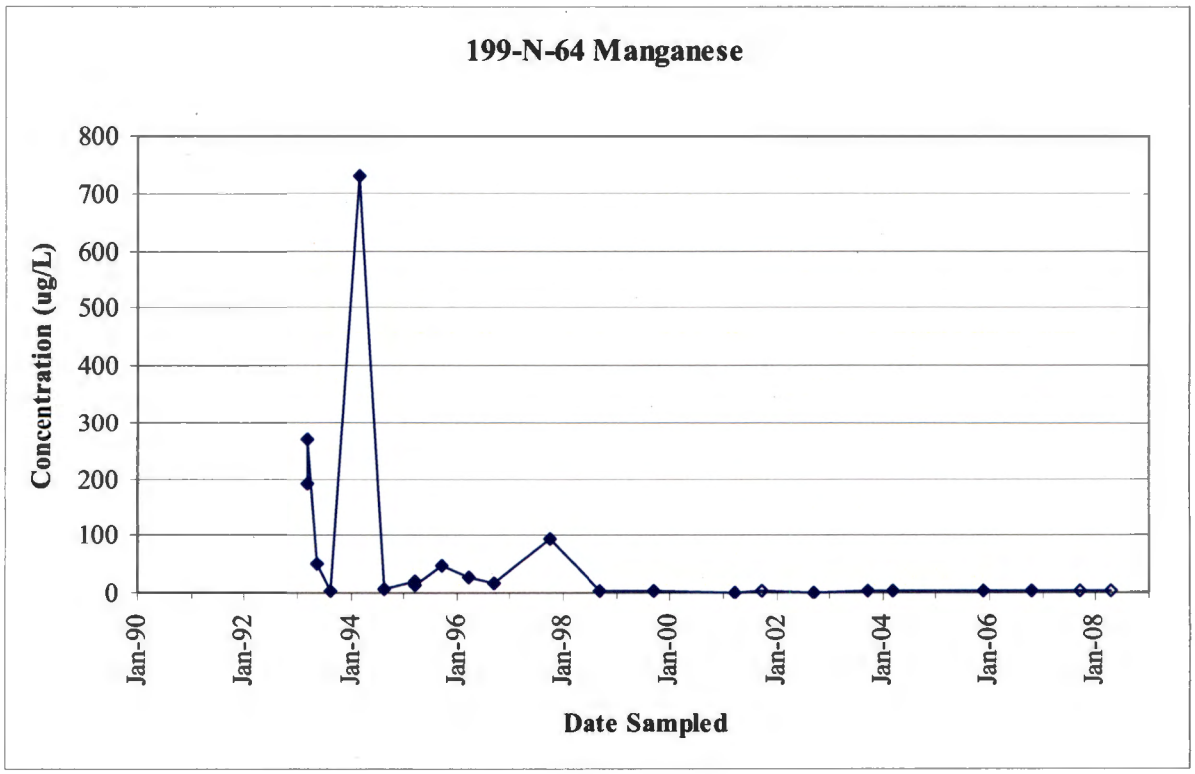

199-N-50 Manganese
Concentration (ug/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

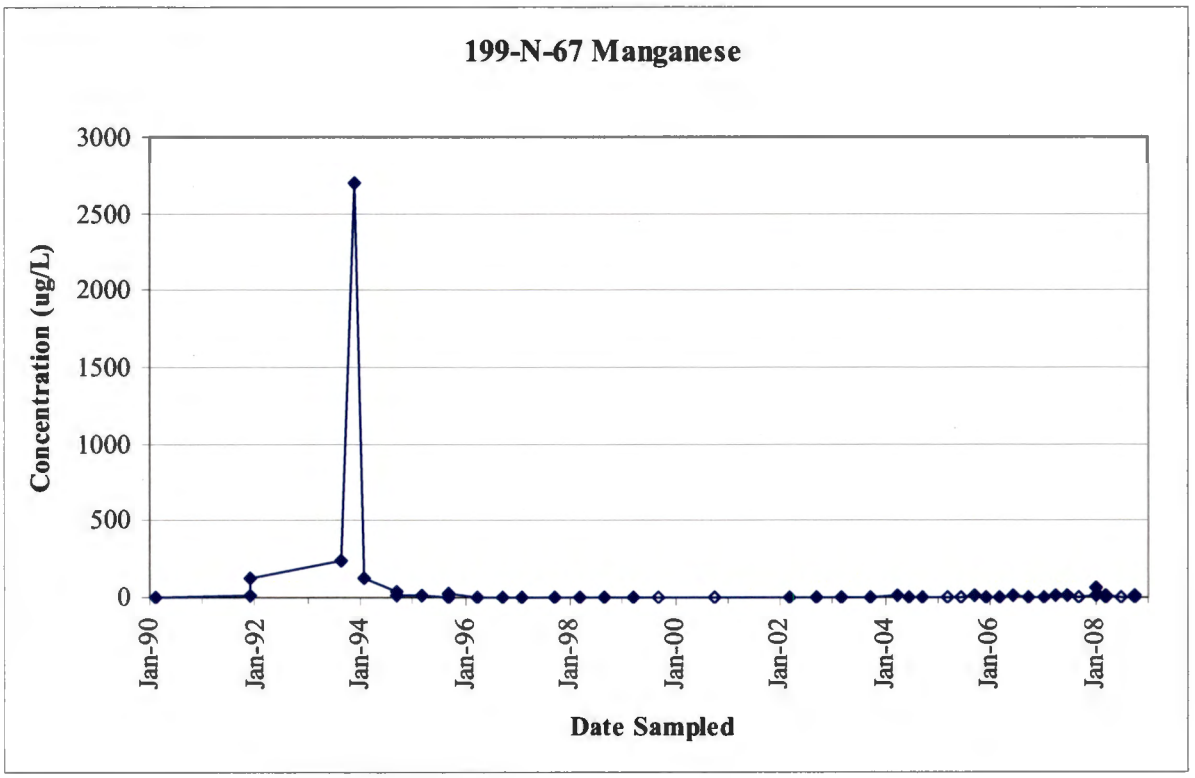

199-N-52 Manganese
Concentration (ug/L)
9
8
7
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

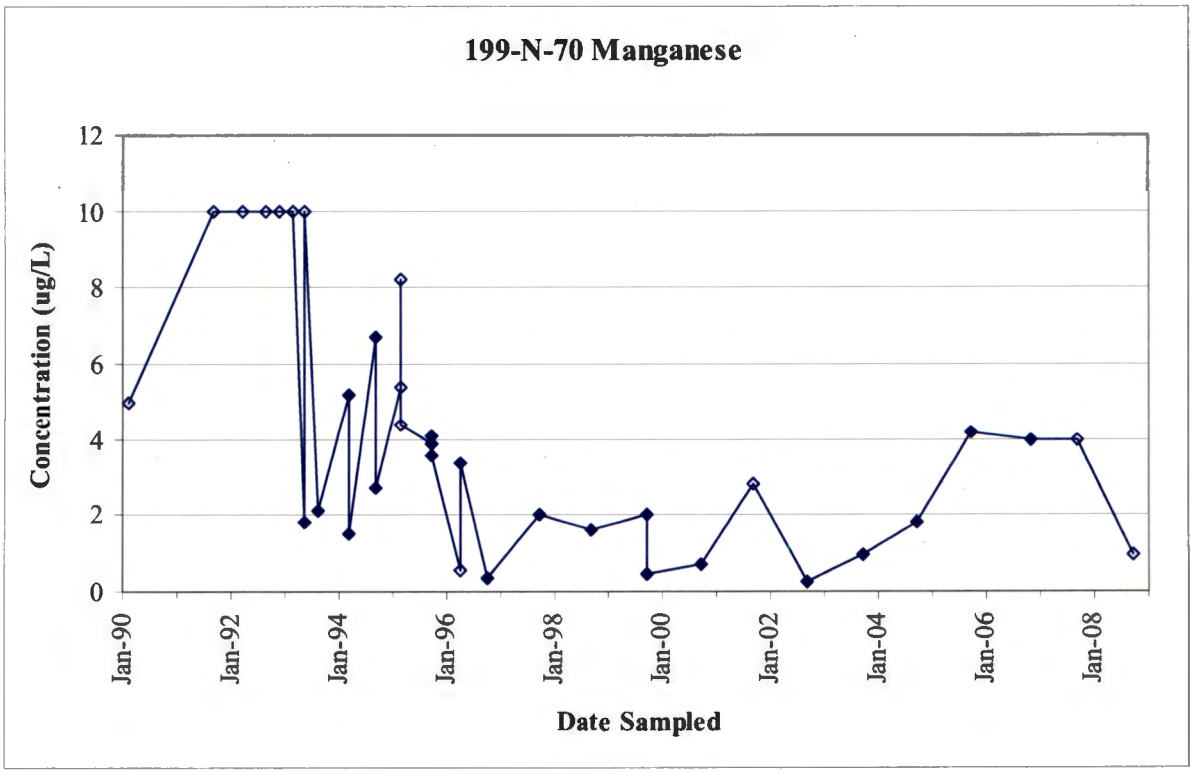

199-N-56 Manganese
Concentration (ug/L)
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

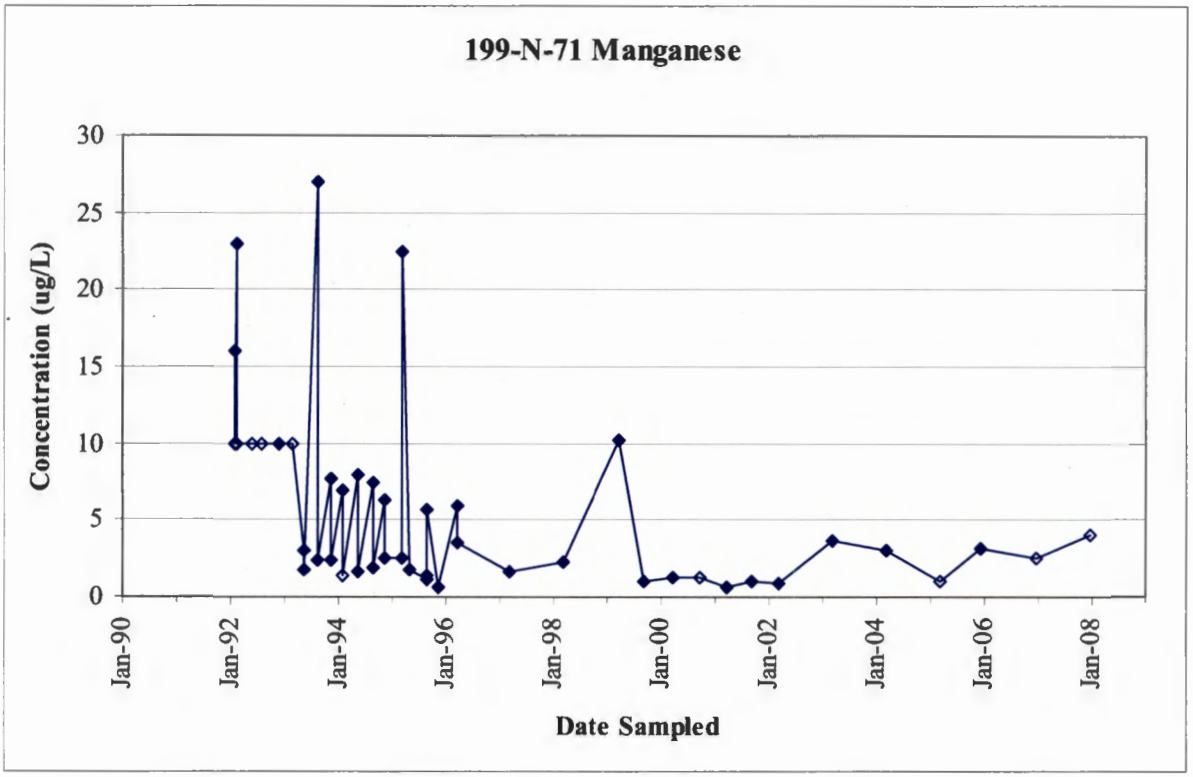

199-N-57 Manganese
Concentration (ug/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

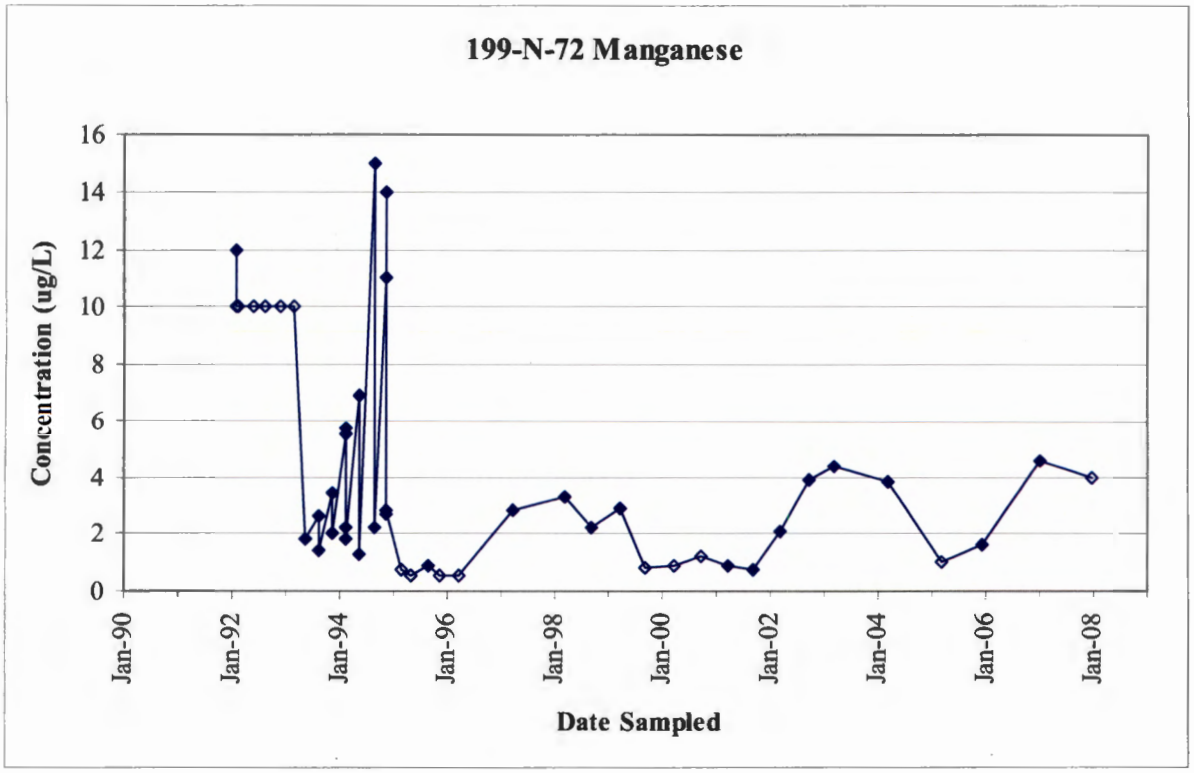

199-N-59 Manganese
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

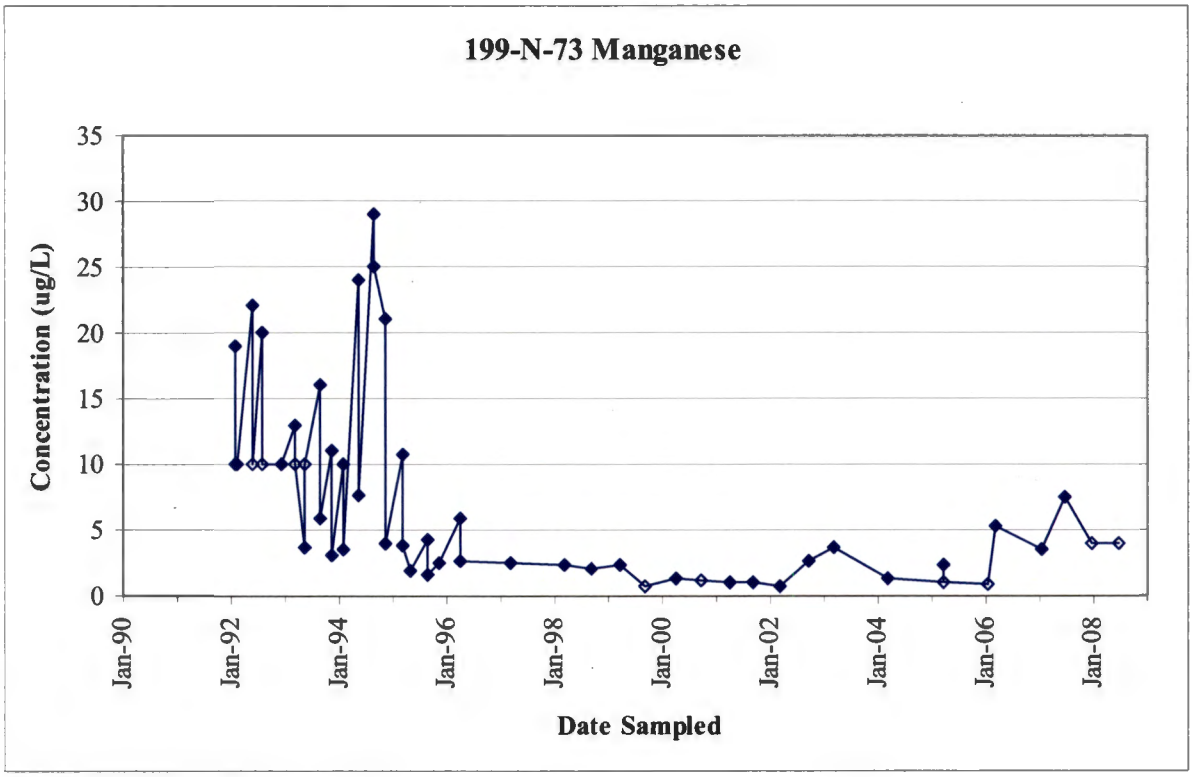

199-N-64 Manganese
Concentration (ug/L)
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

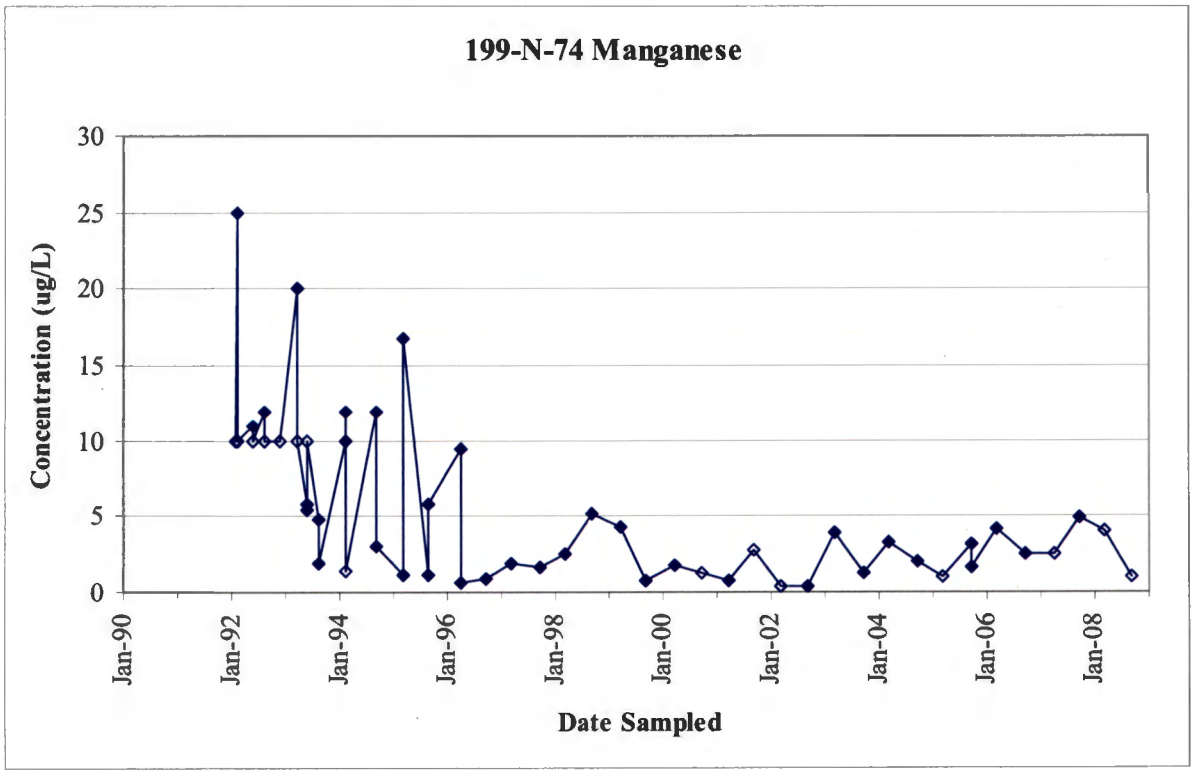

199-N-67 Manganese
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

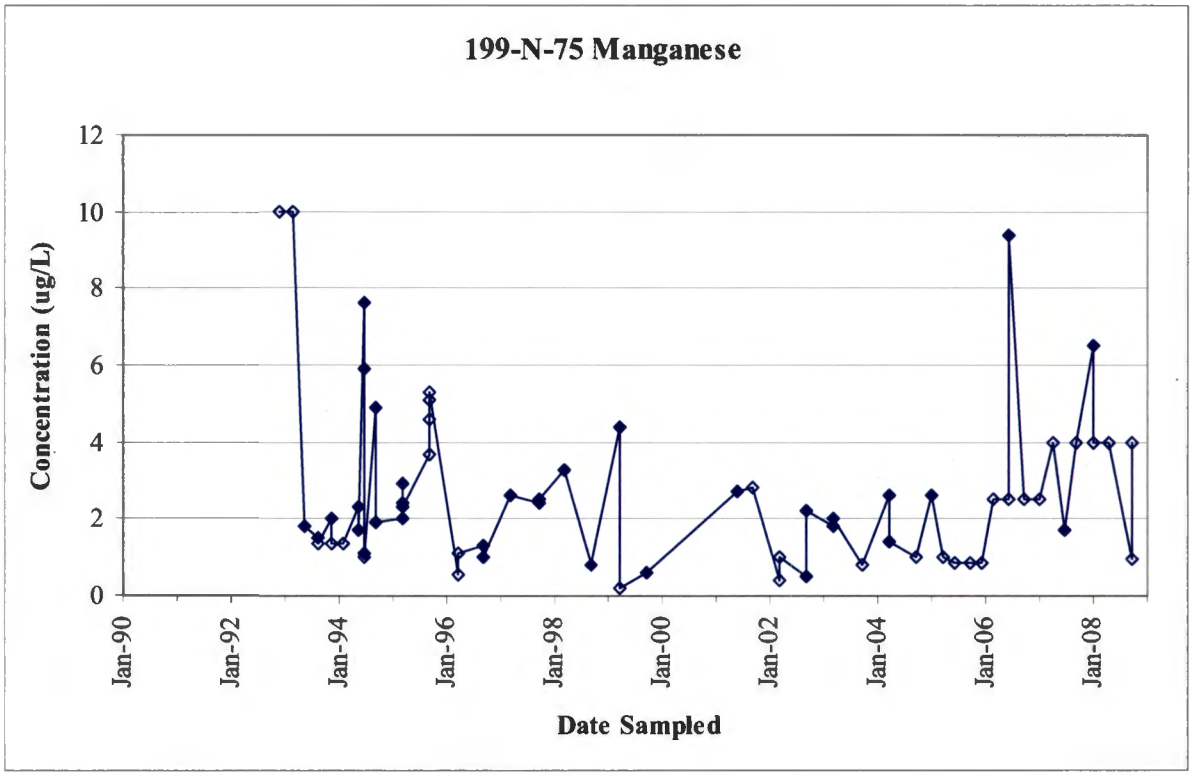

199-N-70 Manganese
Concentration (ug/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

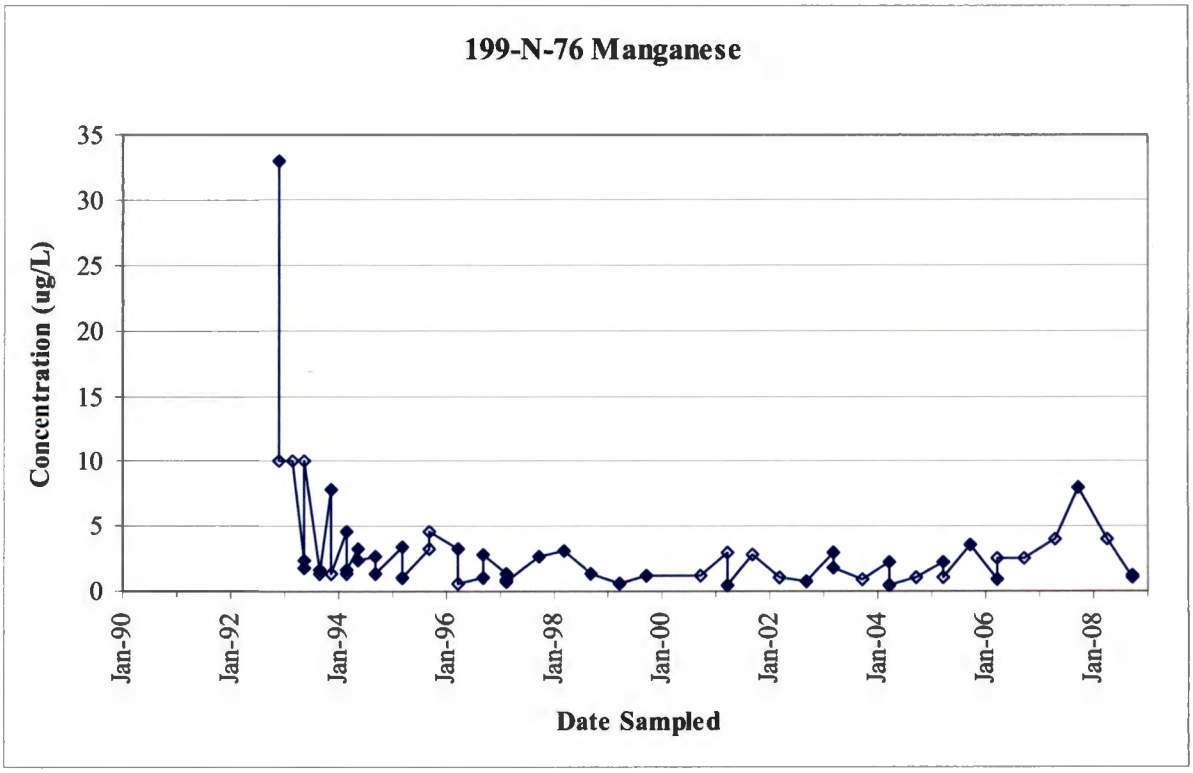

199-N-71 Manganese
Concentration (ug/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

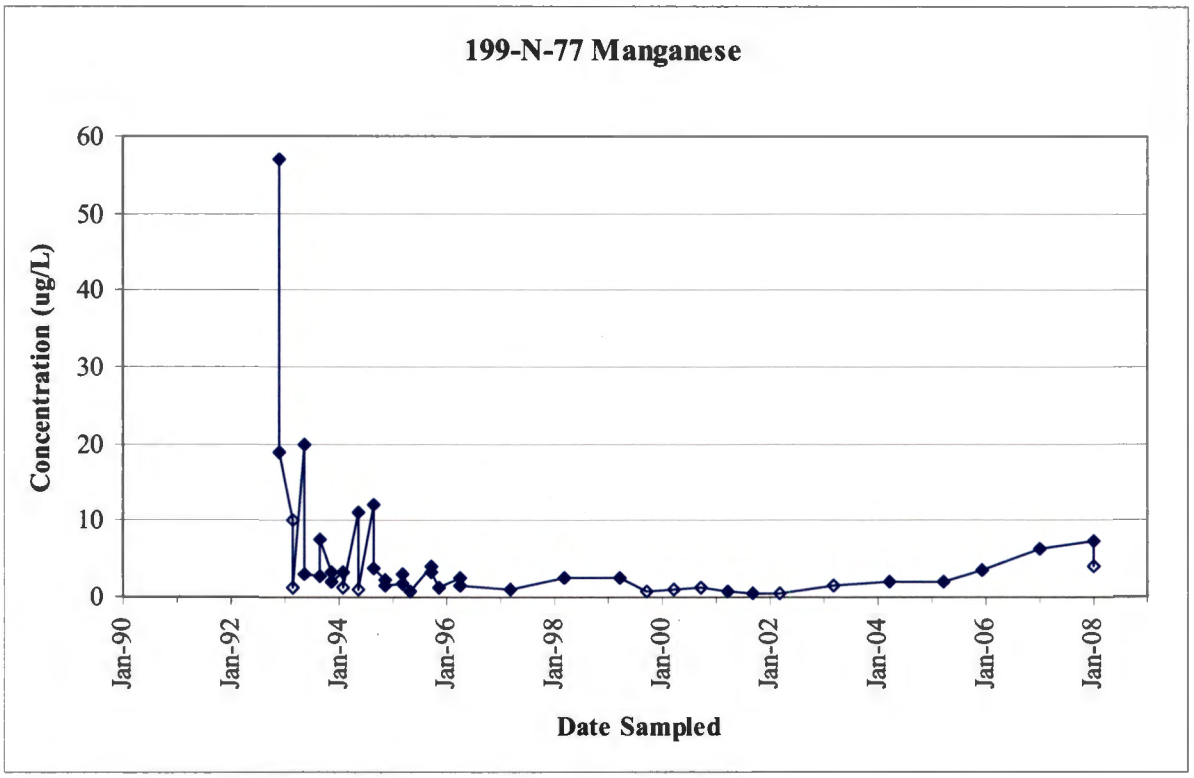

199-N-72 Manganese
Concentration (ug/L)
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

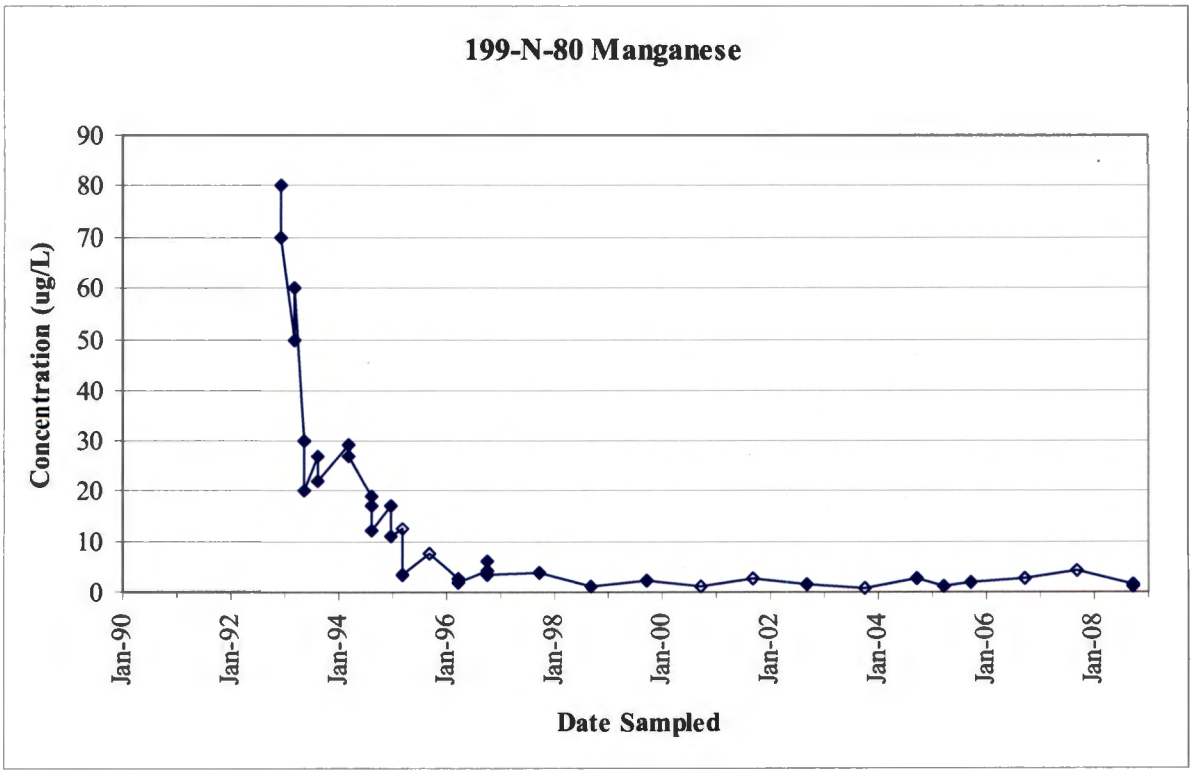

199-N-73 Manganese
Concentration (ug/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

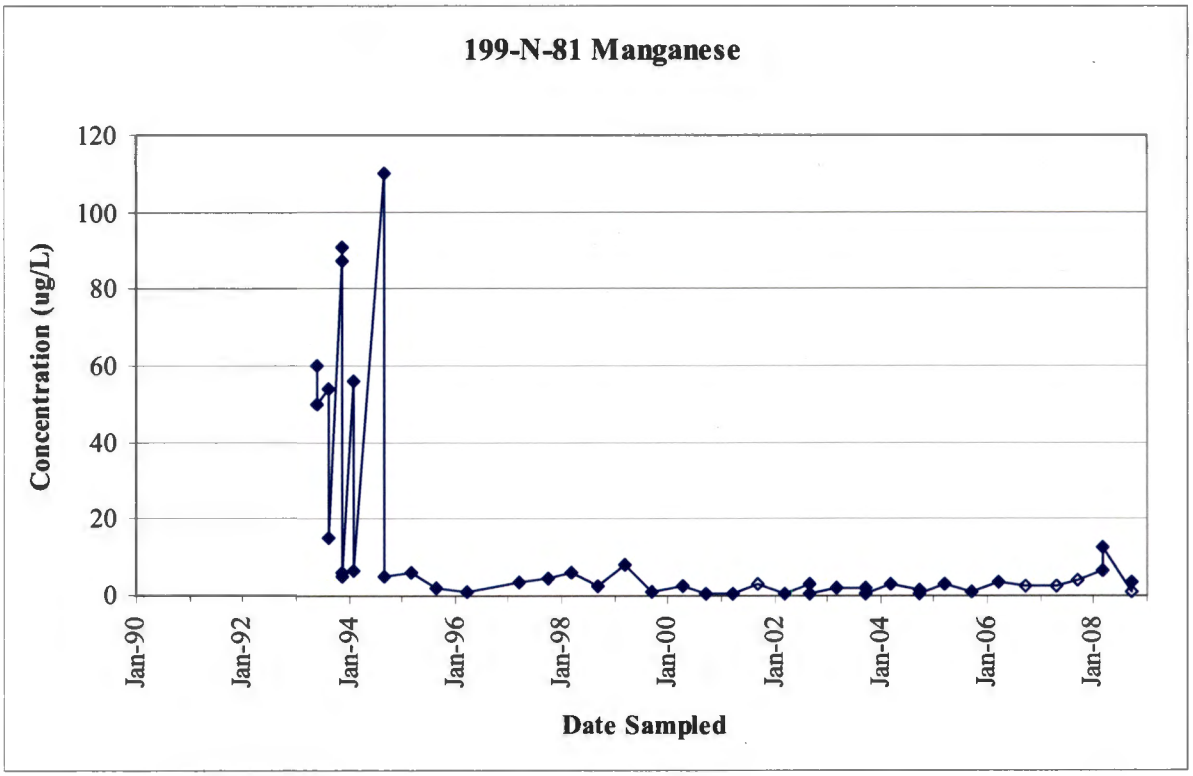

199-N-74 Manganese
Concentration (ug/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

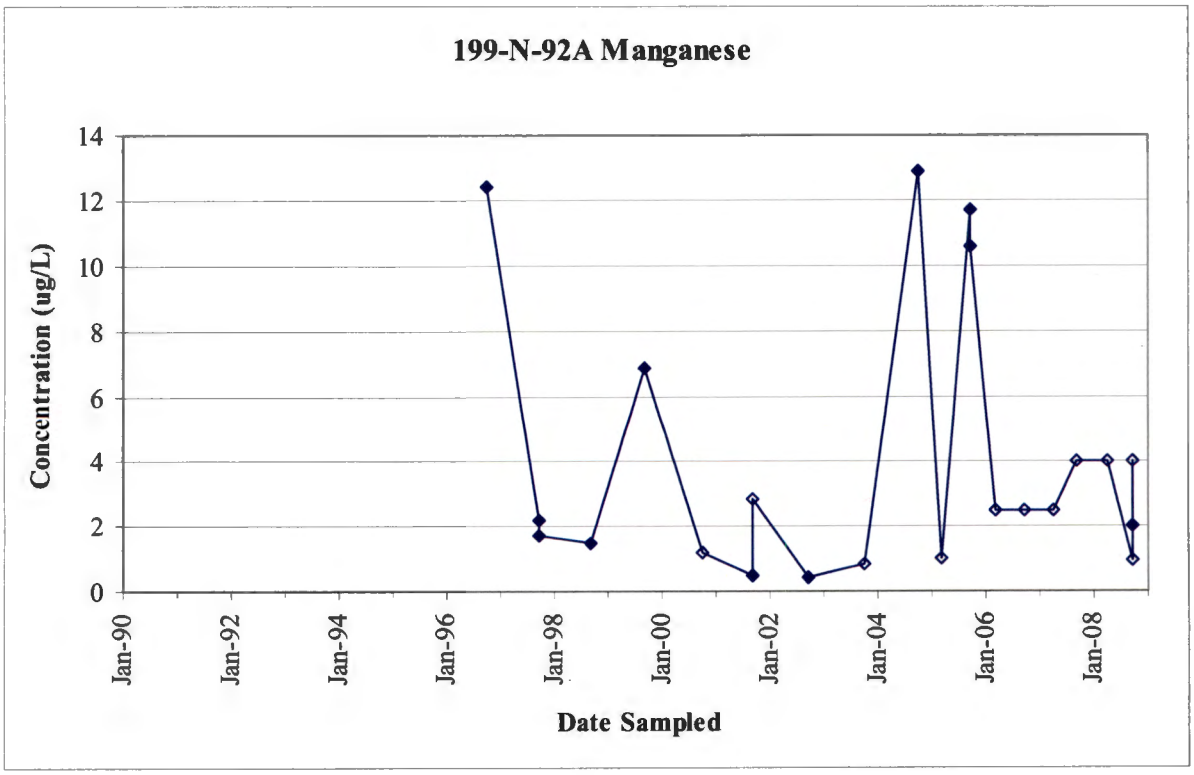

199-N-75 Manganese
Concentration (ug/L)
0
2
4
6
8
10
12
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

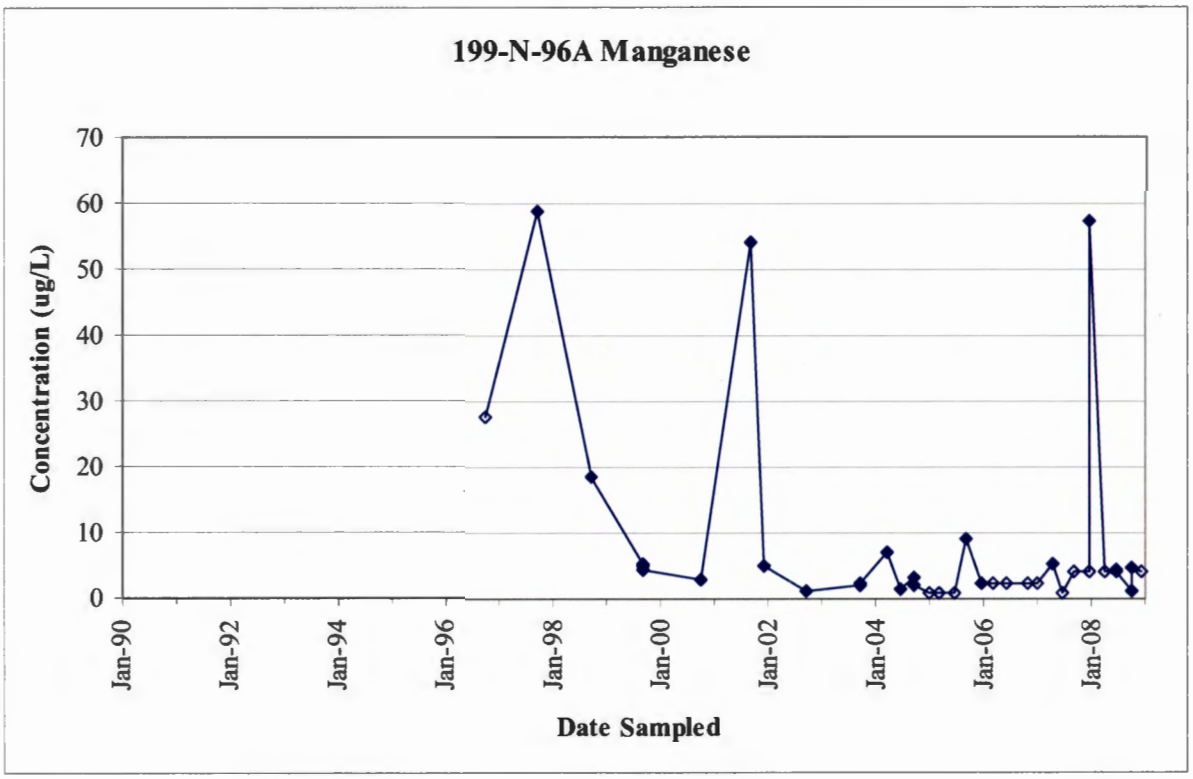

199-N-76 Manganese
Concentration (ug/L)
0
5
10
15
20
25
30
35
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

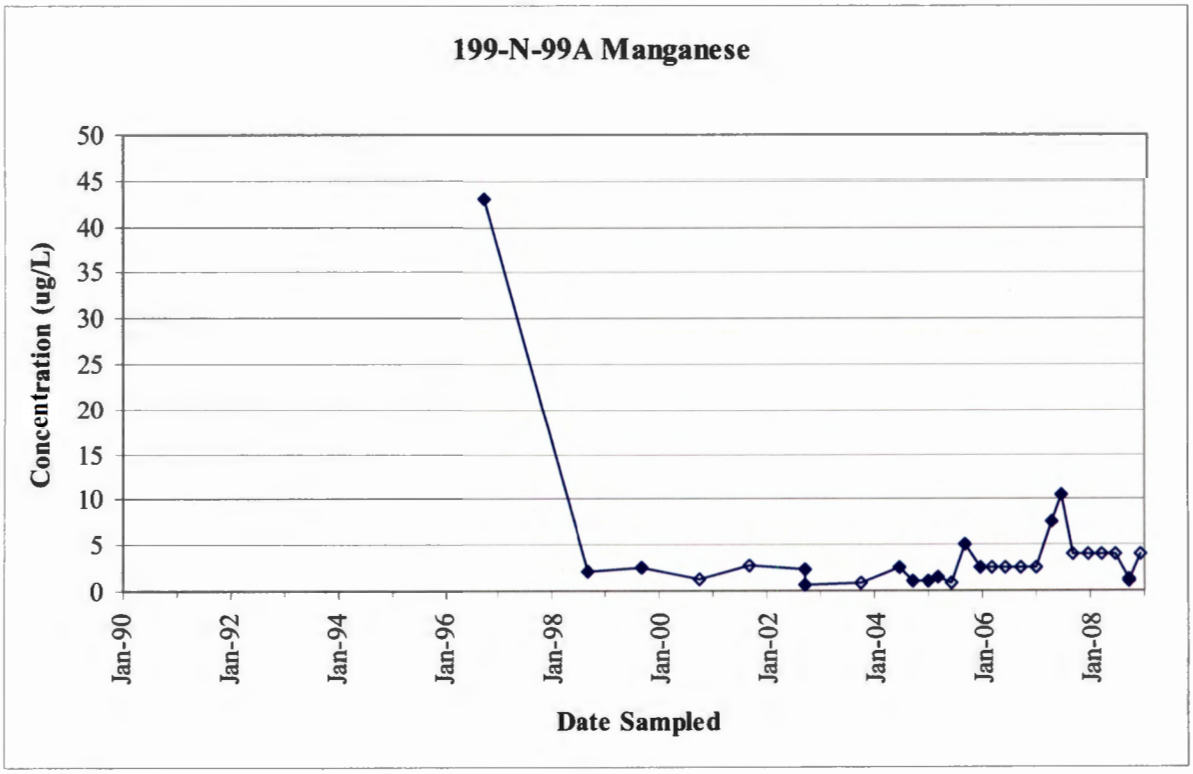

199-N-77 Manganese
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

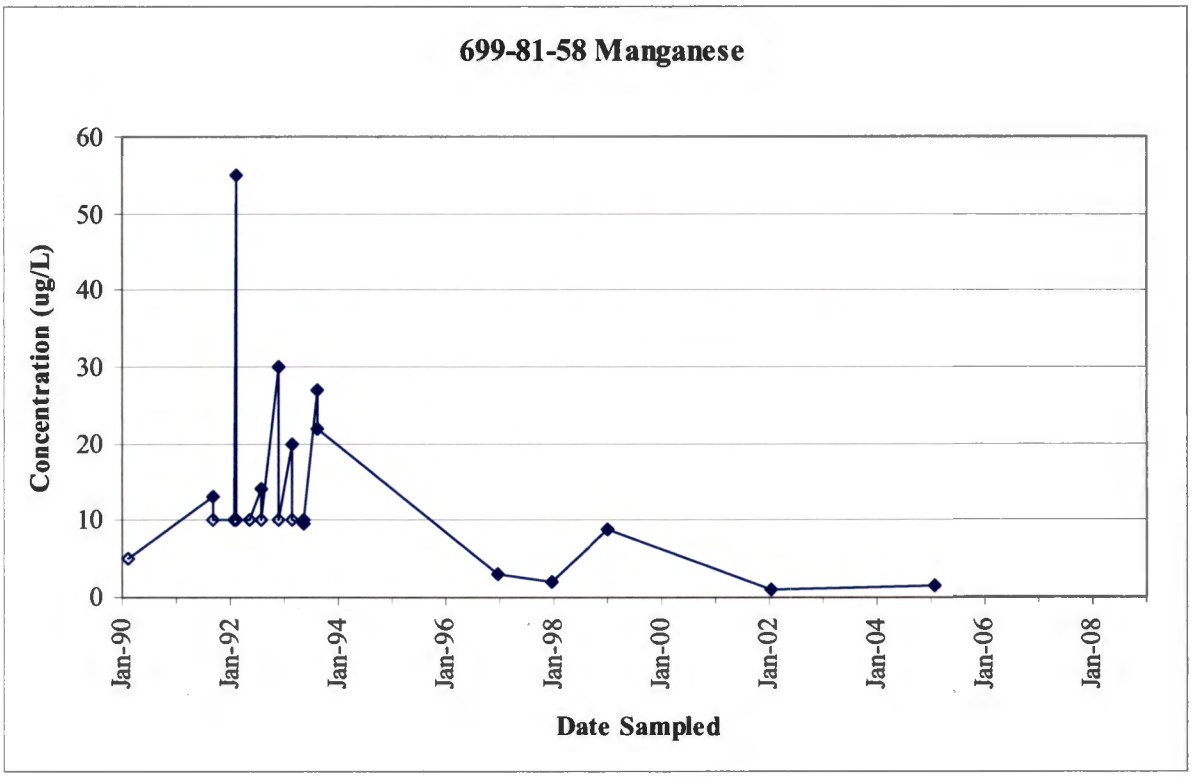

199-N-80 Manganese
Concentration (ug/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

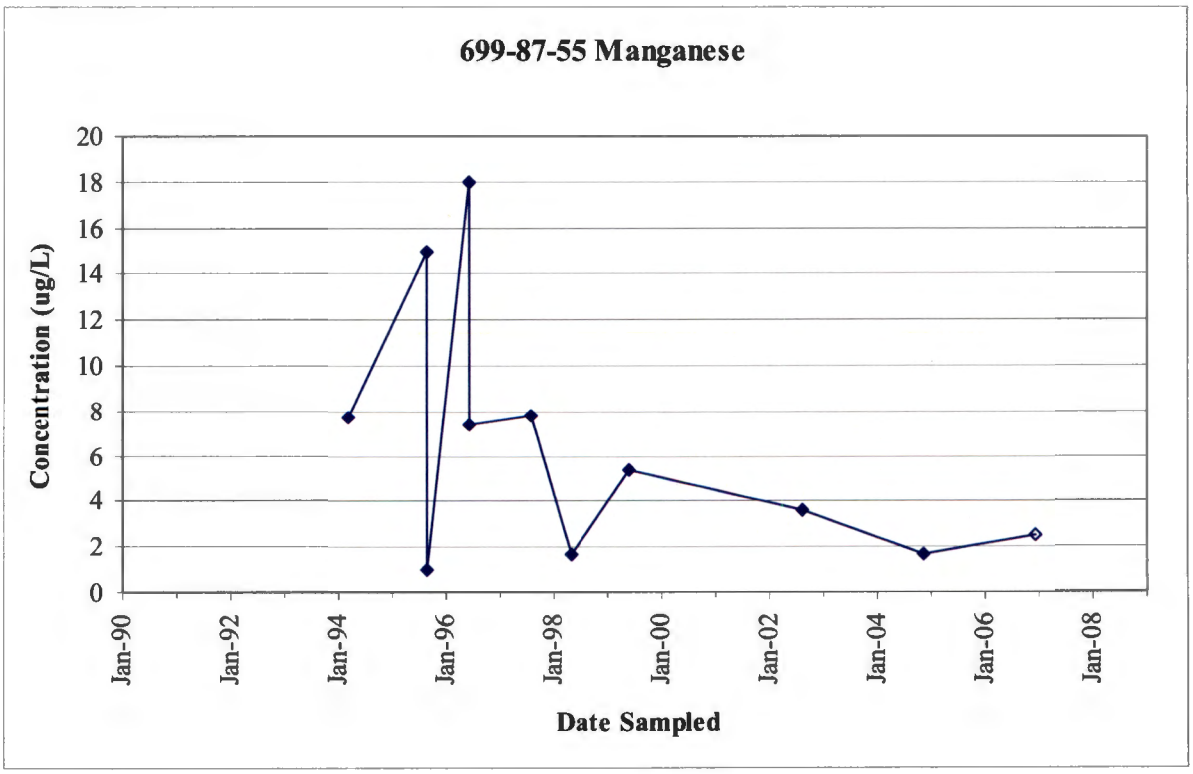

199-N-81 Manganese
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

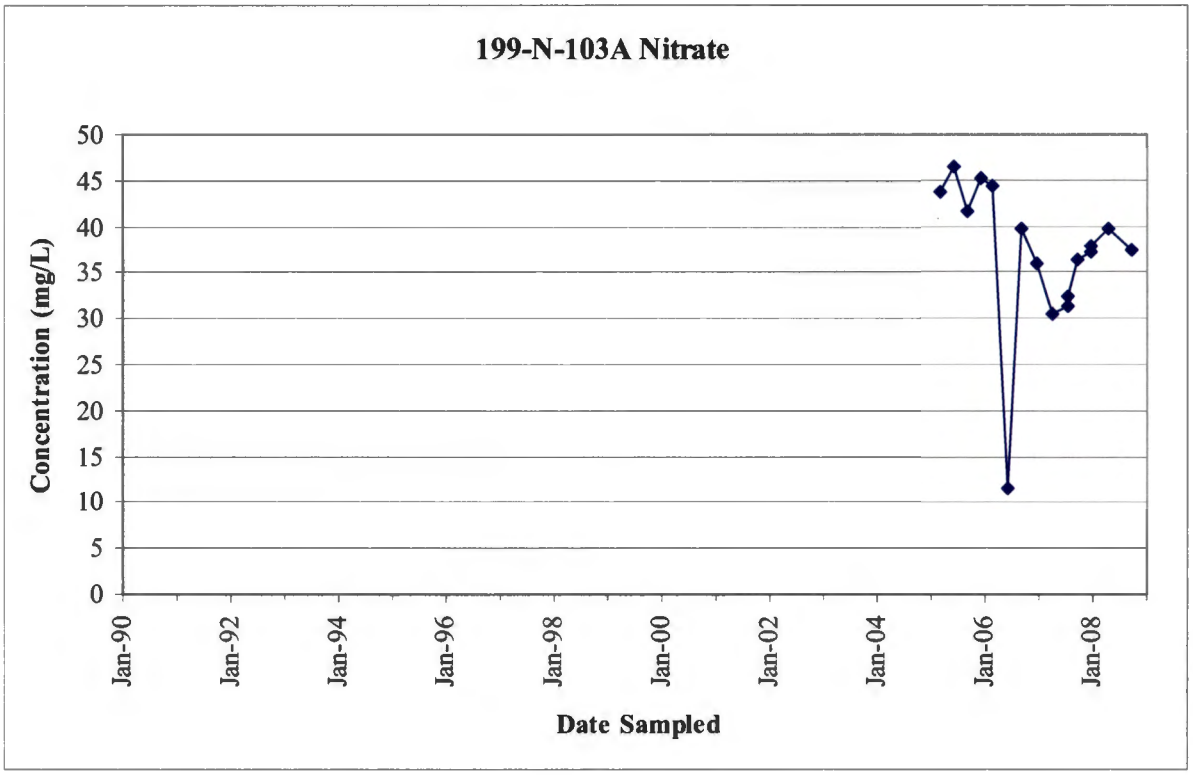

199-N-92A Manganese
Concentration (ug/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

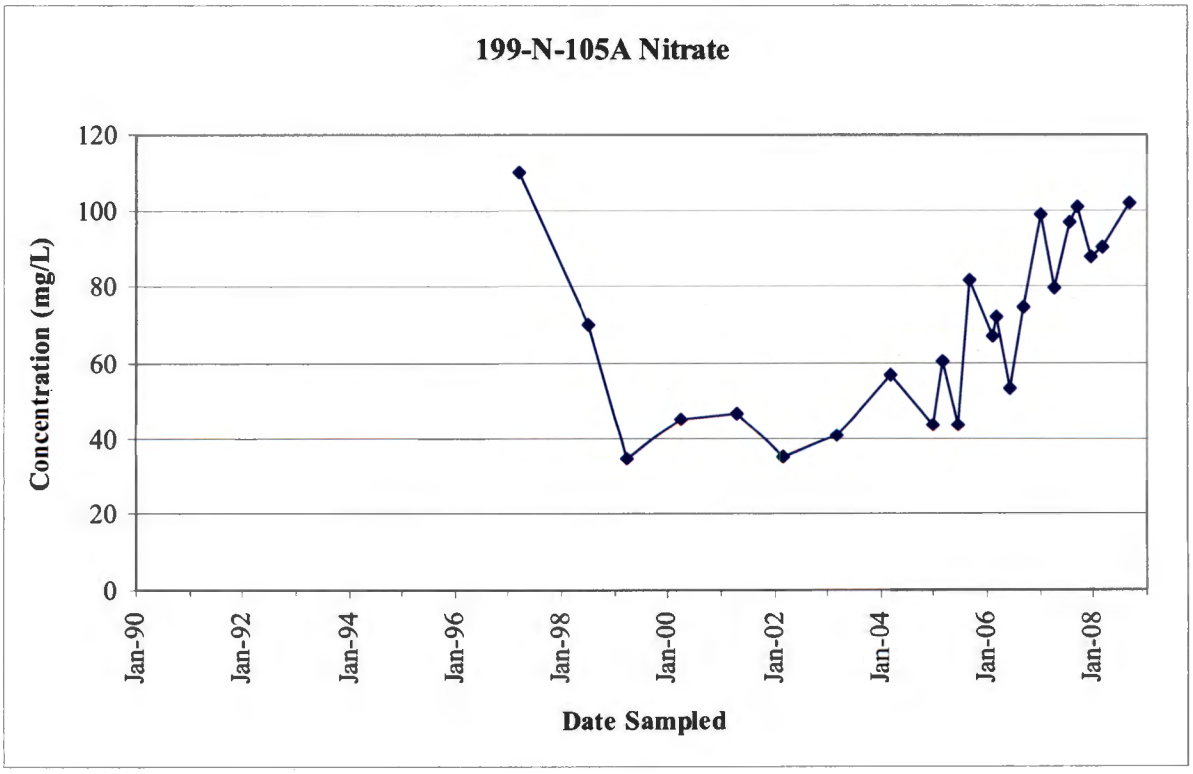

199-N-96A Manganese
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

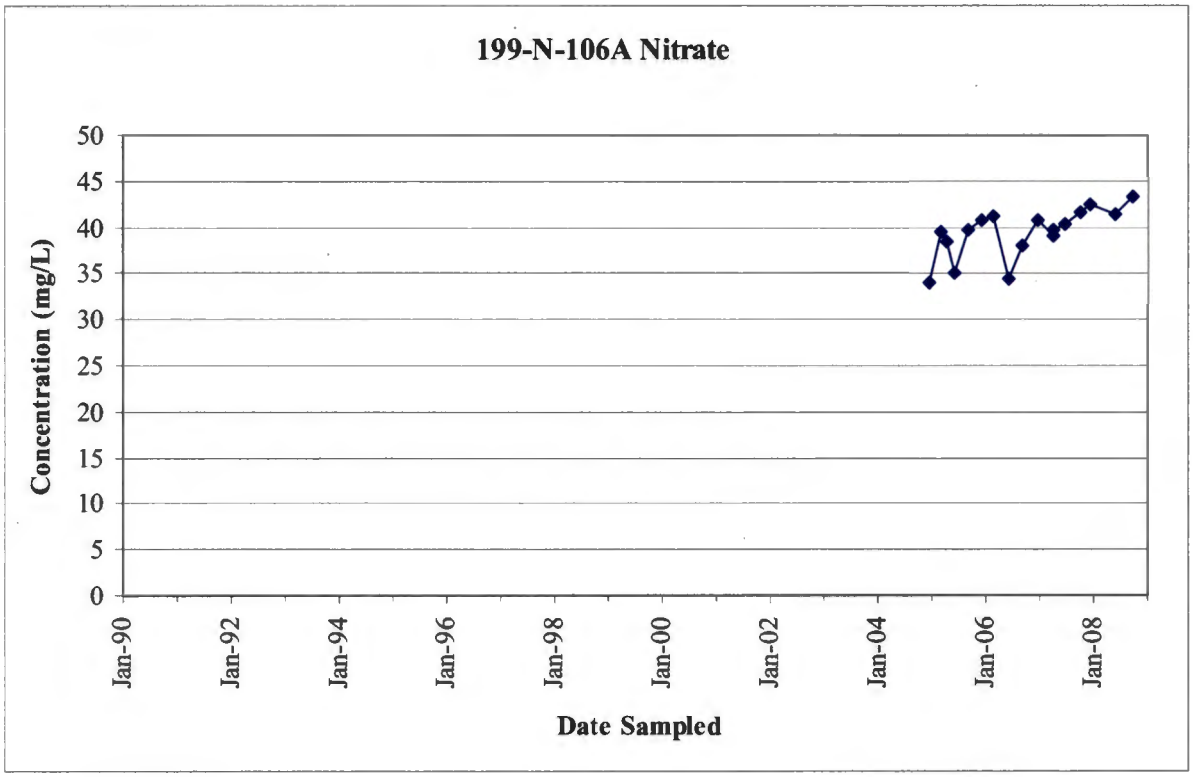

199-N-99A Manganese
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

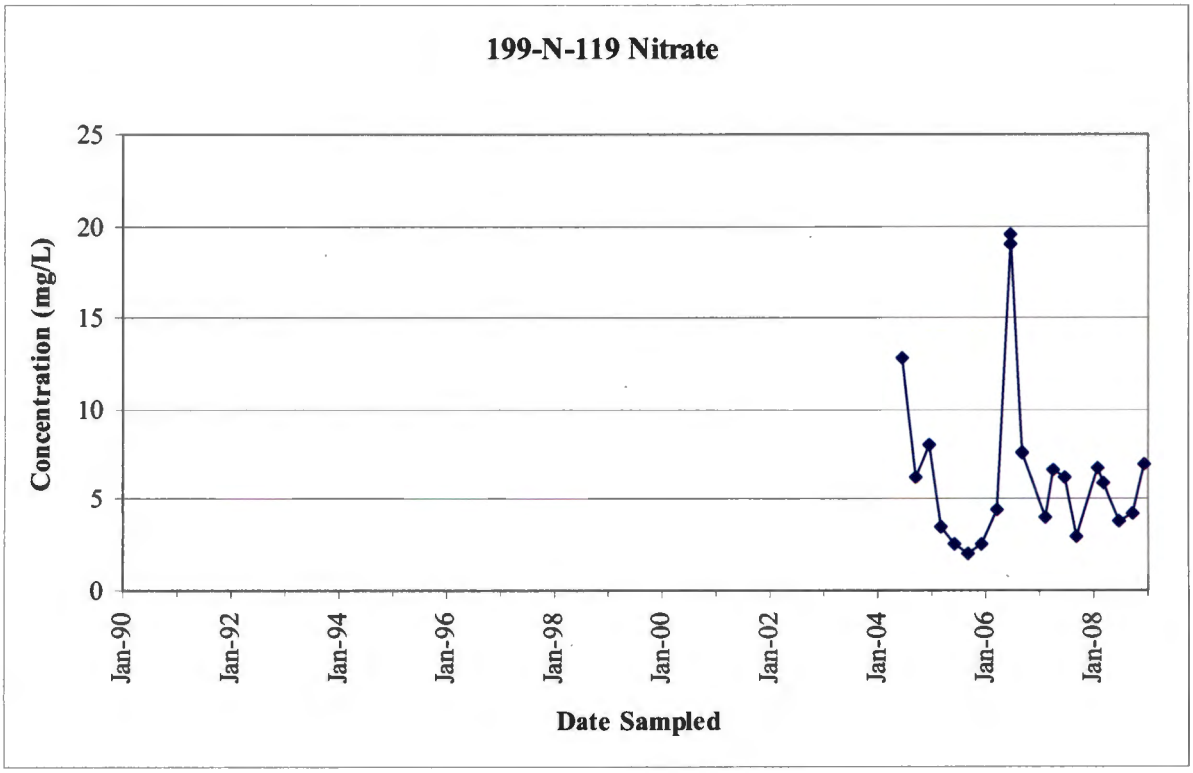

699-81-58 Manganese
Concentration (ug/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

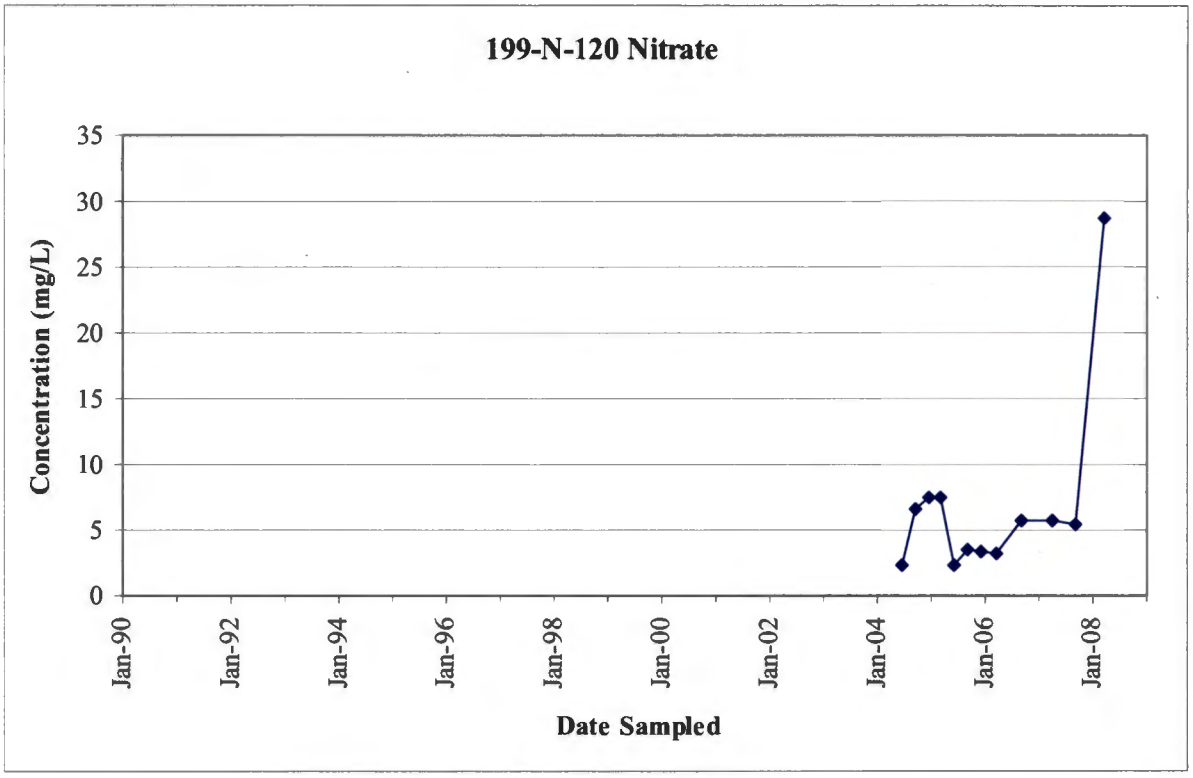

699-87-55 Manganese
Concentration (ug/L)
20
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

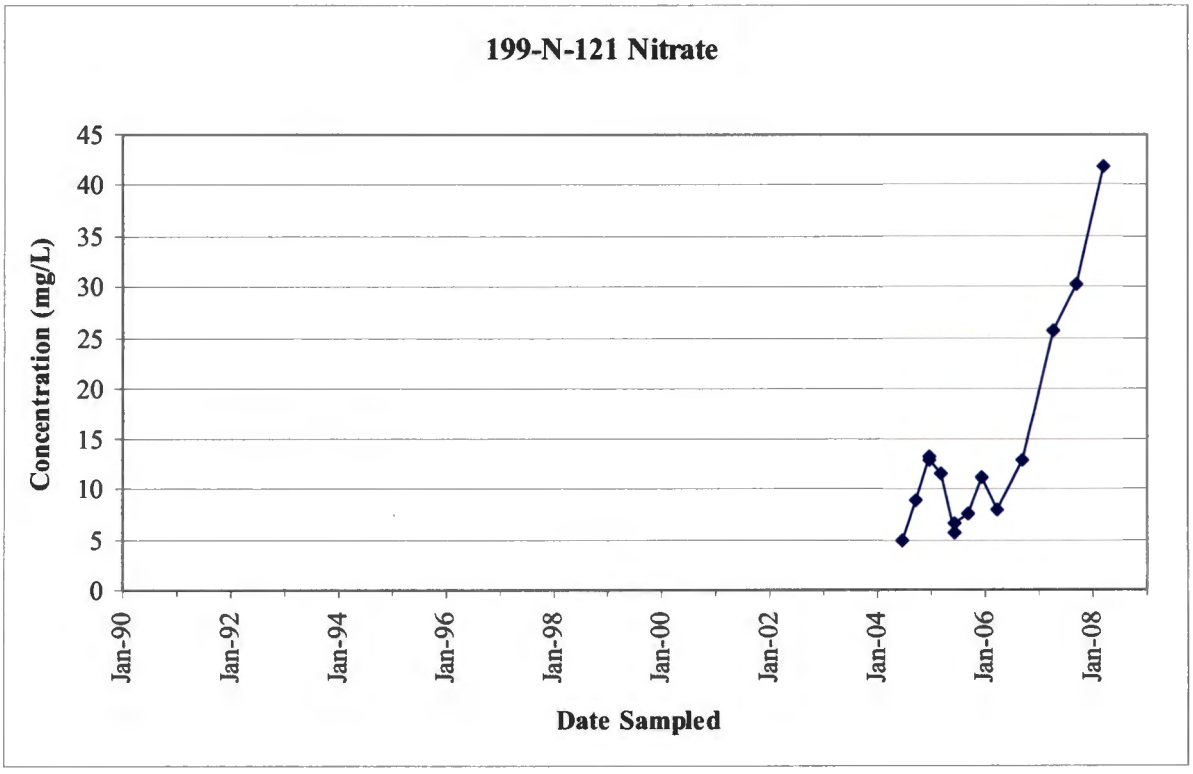

199-N-103A Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

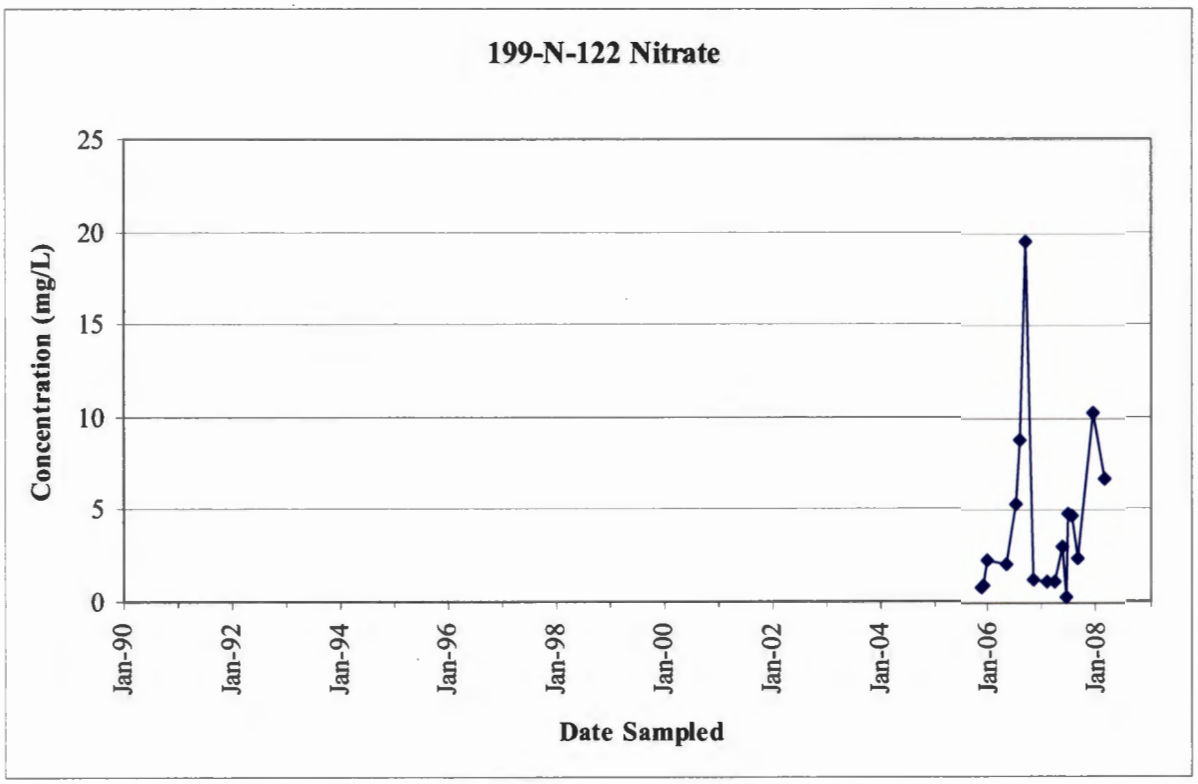

199-N-105A Nitrate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

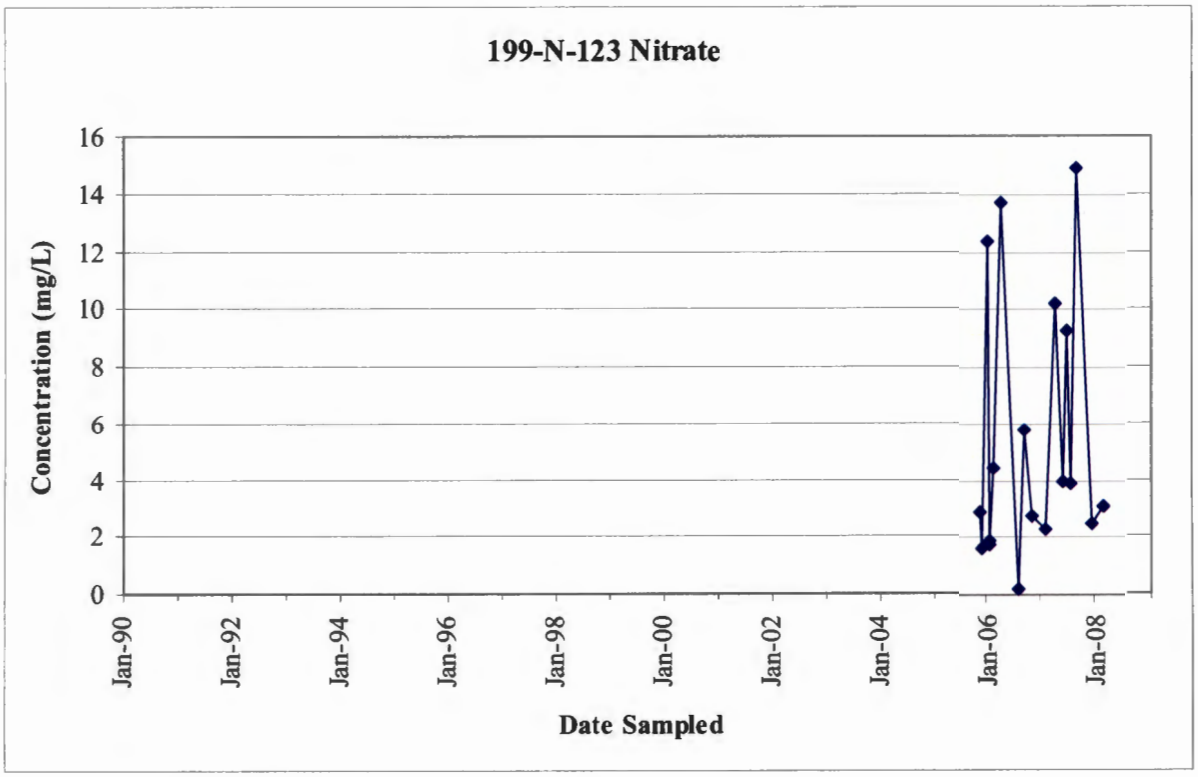

199-N-106A Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

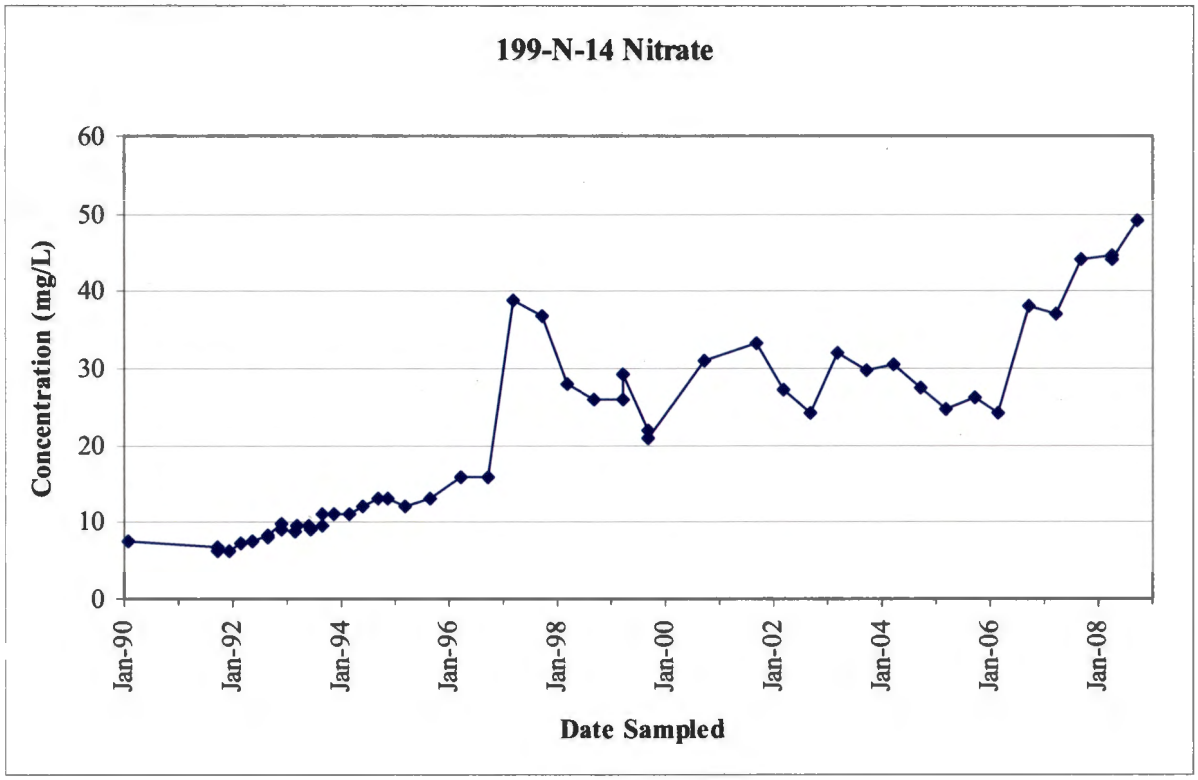

199-N-119 Nitrate
Concentration (mg/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

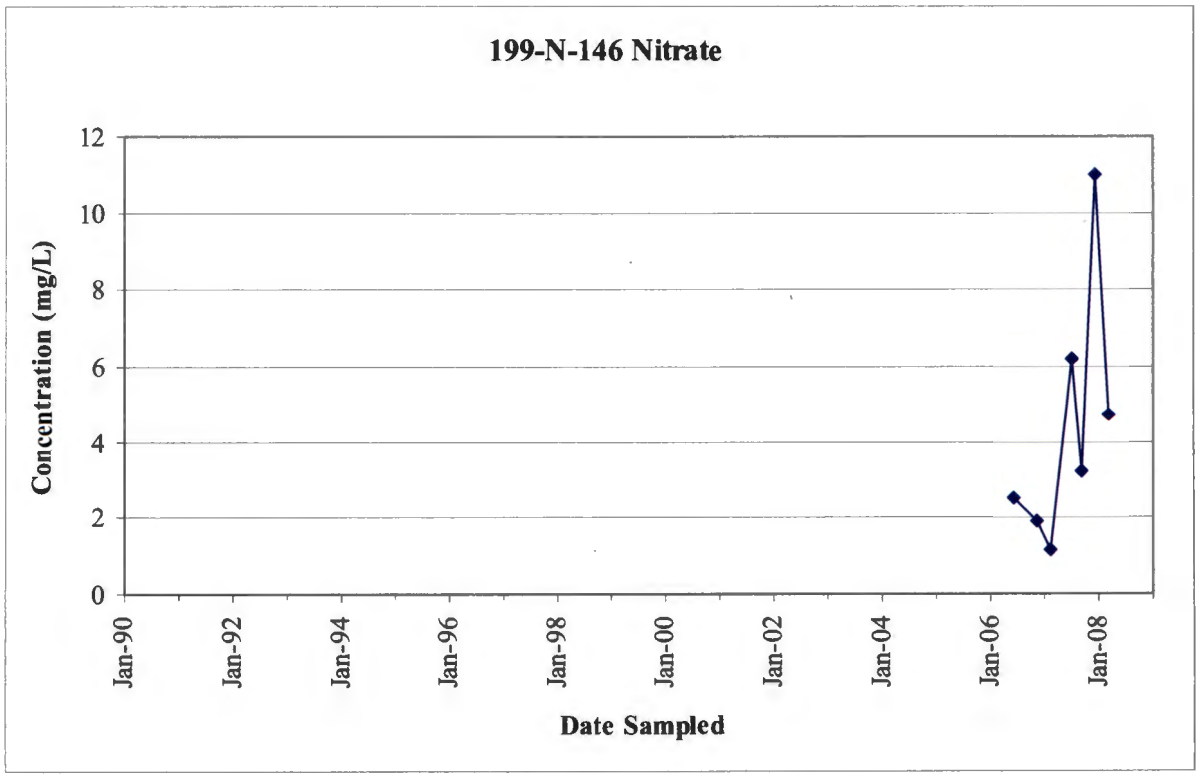

199-N-120 Nitrate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

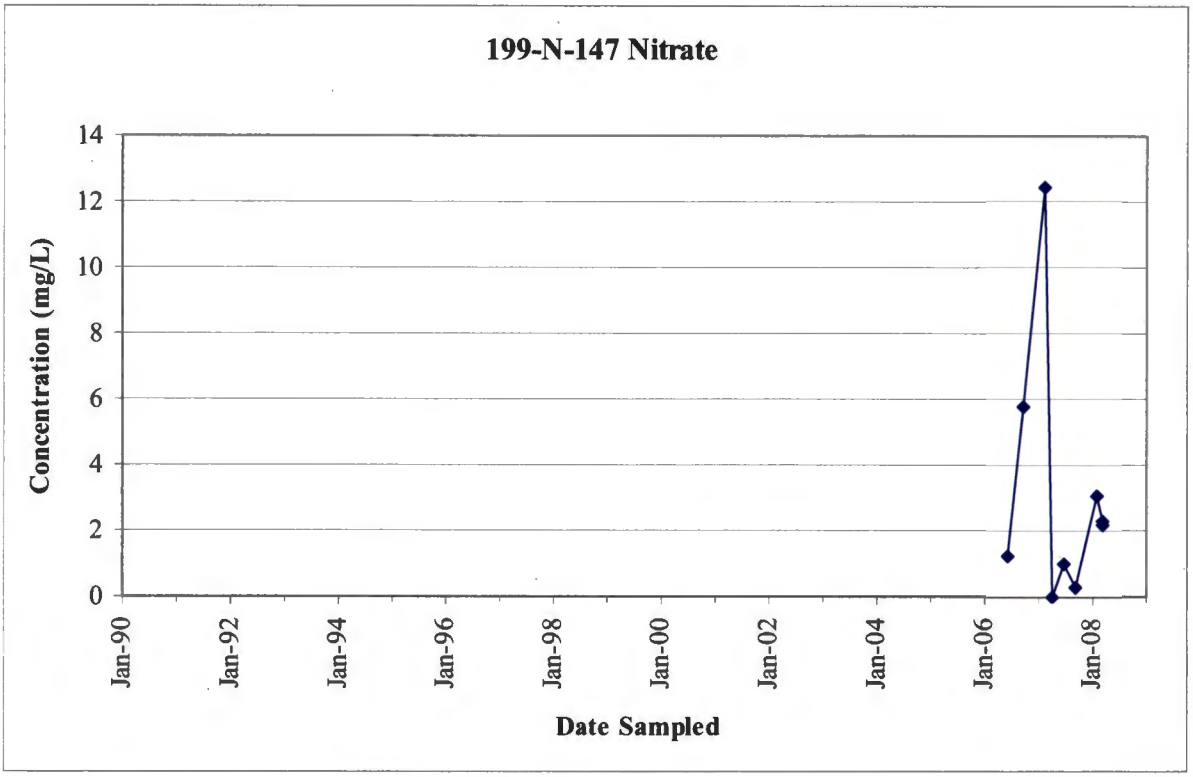

199-N-121 Nitrate
Concentration (mg/L)
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

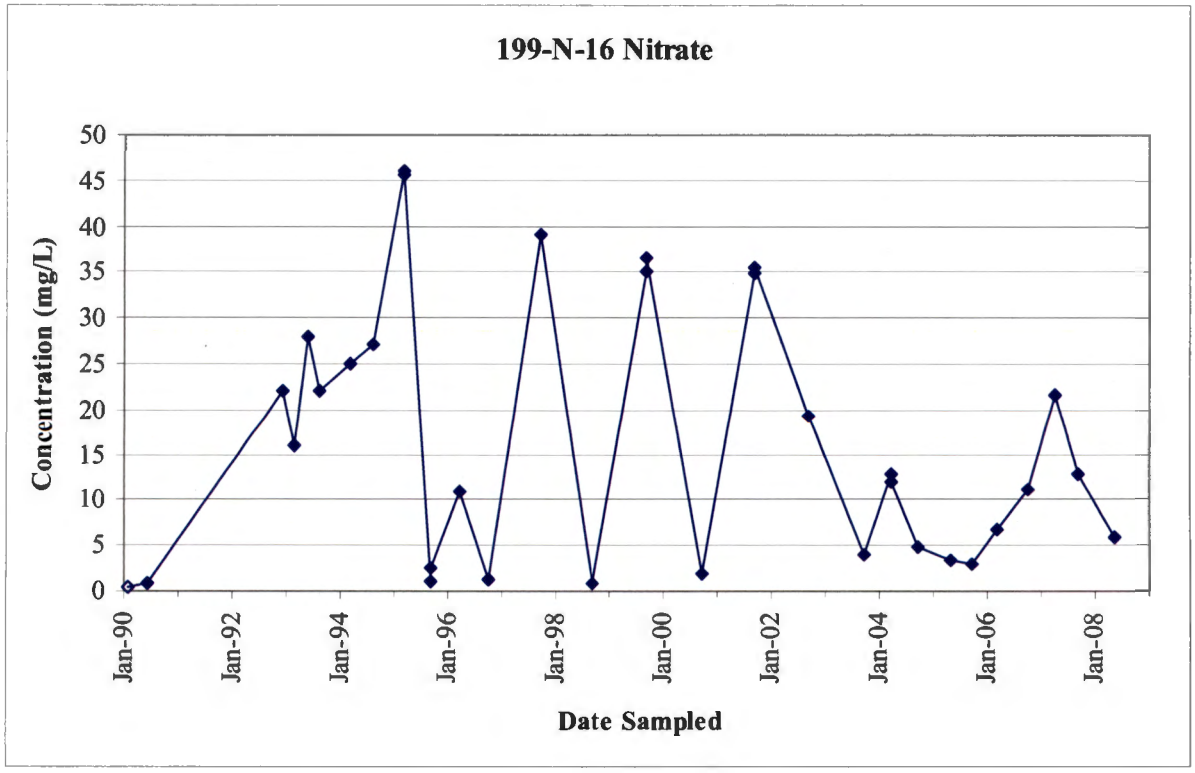

199-N-122 Nitrate
Concentration (mg/L)
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

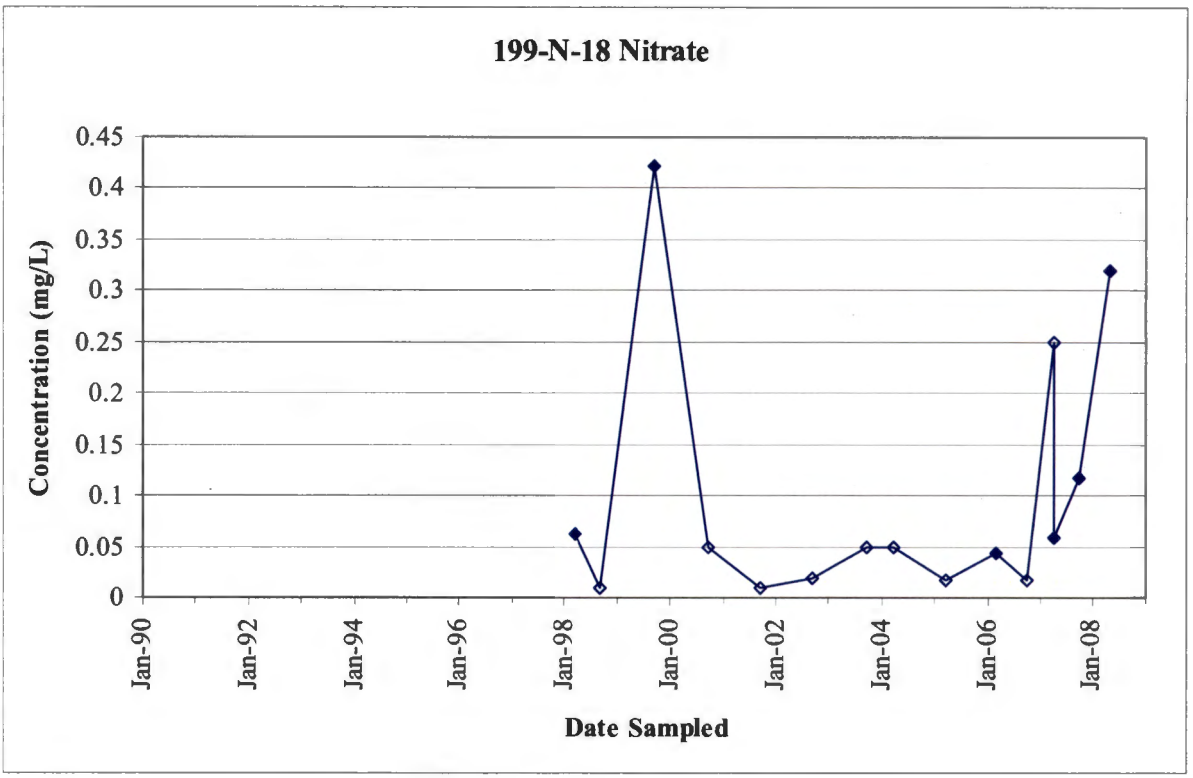

199-N-123 Nitrate
Concentration (mg/L)
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

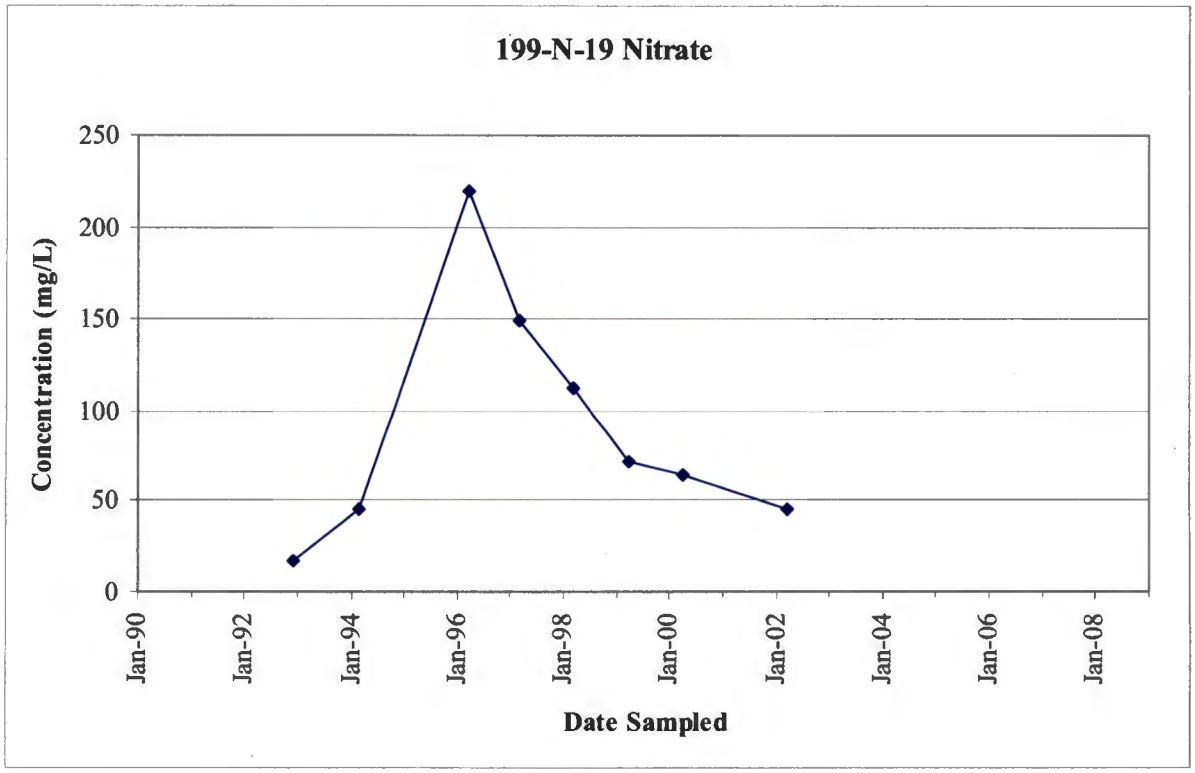

199-N-14 Nitrate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

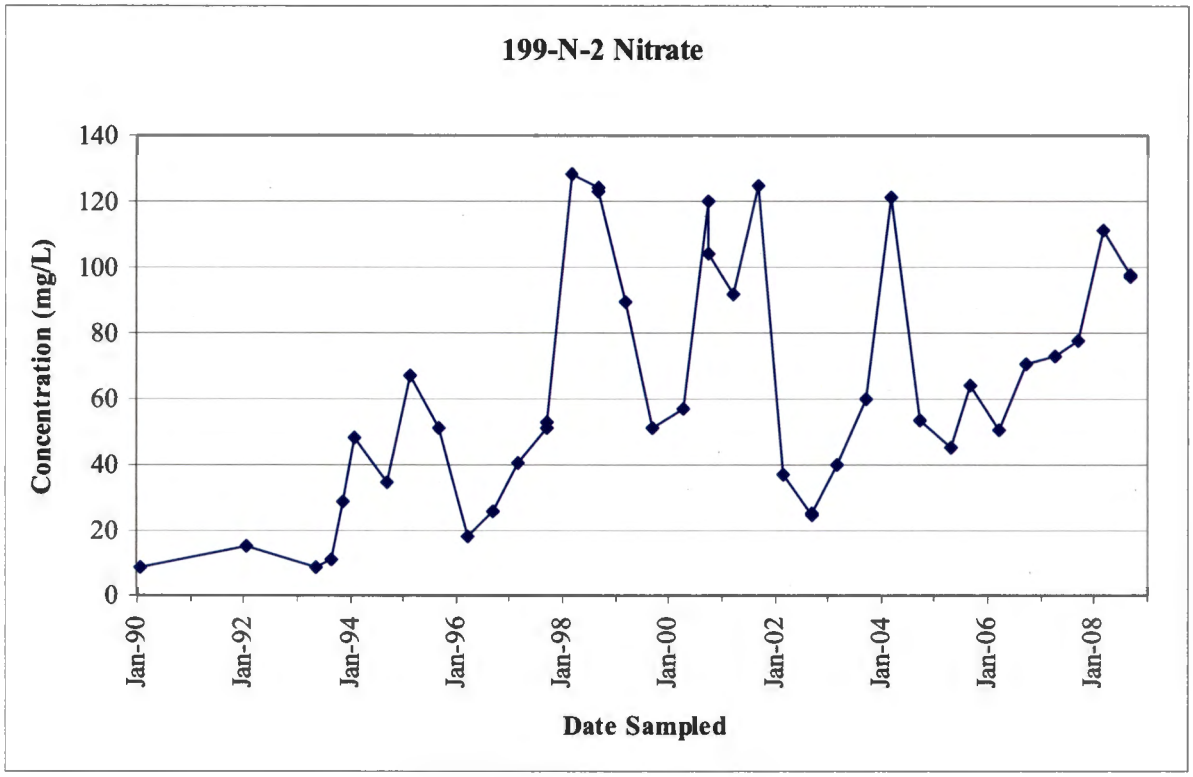

199-N-146 Nitrate
Concentration (mg/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

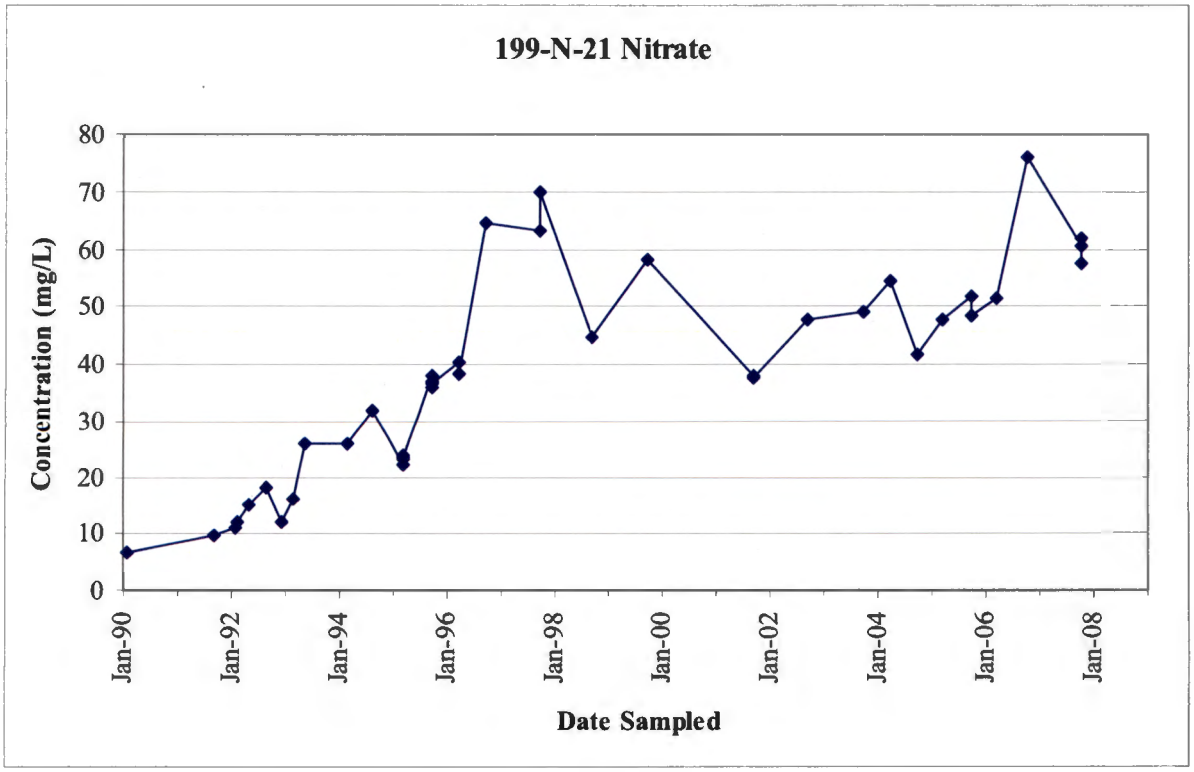

199-N-147 Nitrate
Concentration (mg/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

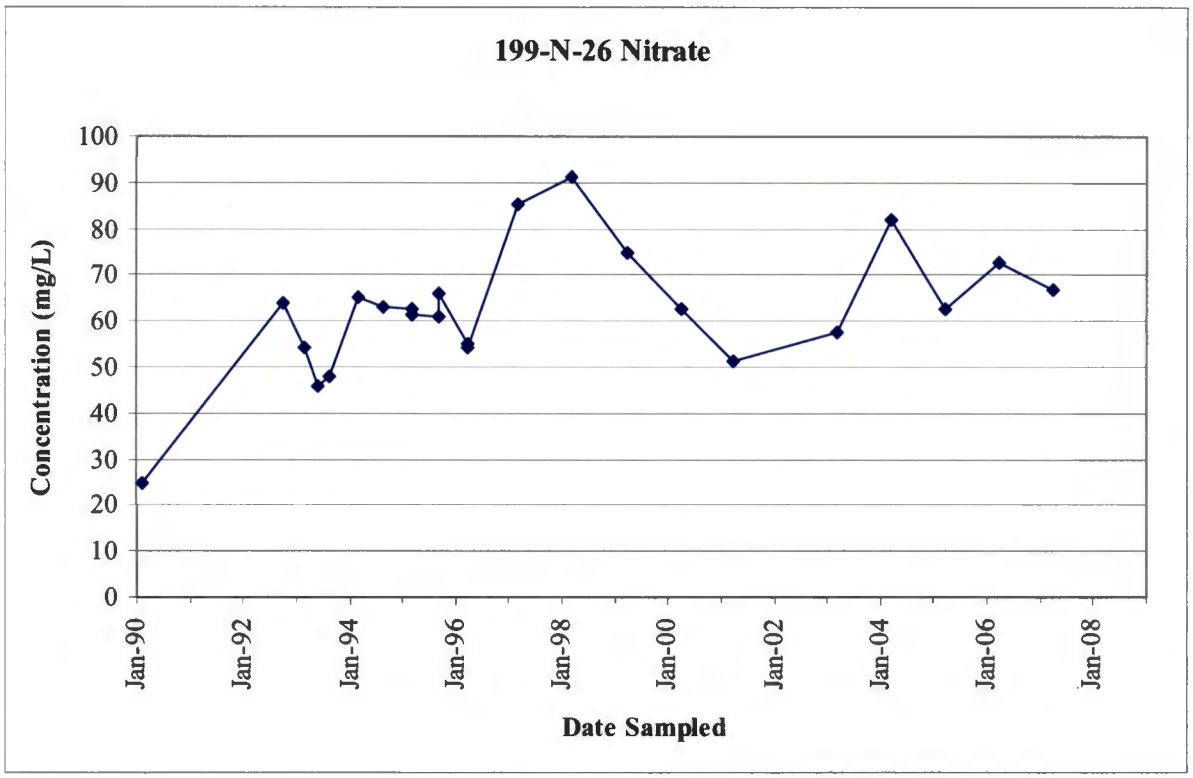

199-N-16 Nitrate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

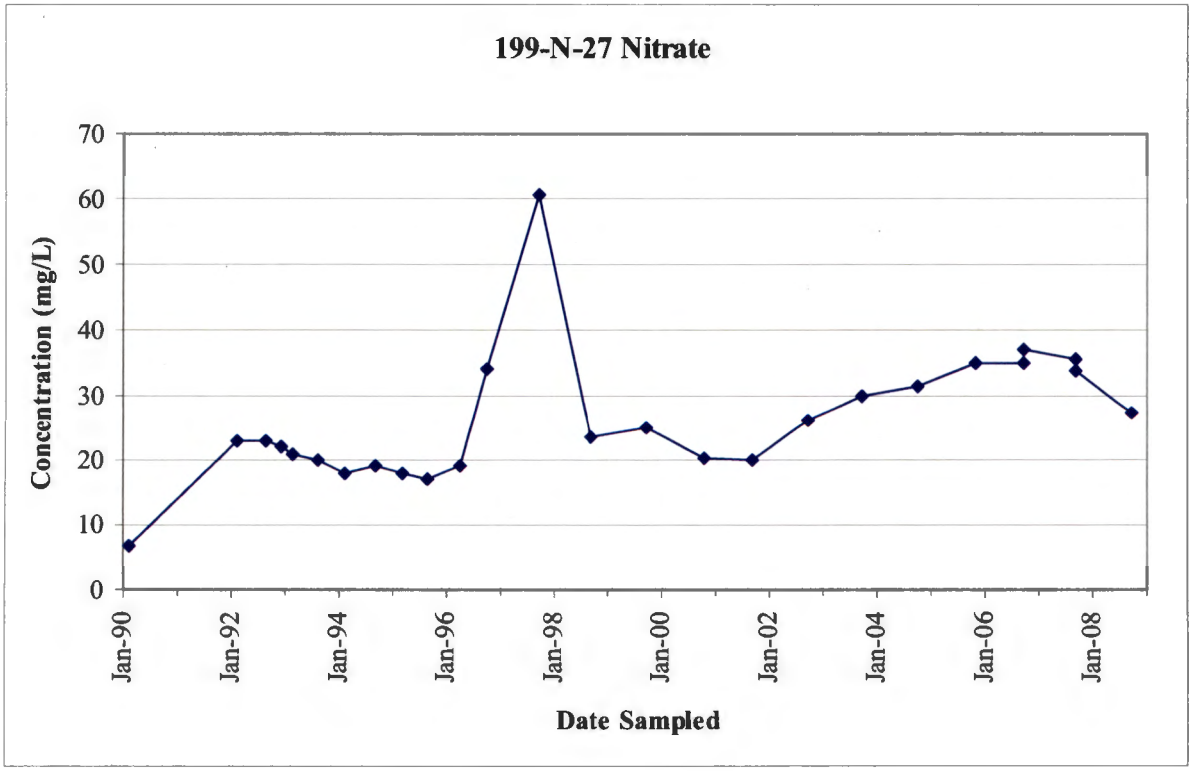

199-N-18 Nitrate
Concentration (mg/L)
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

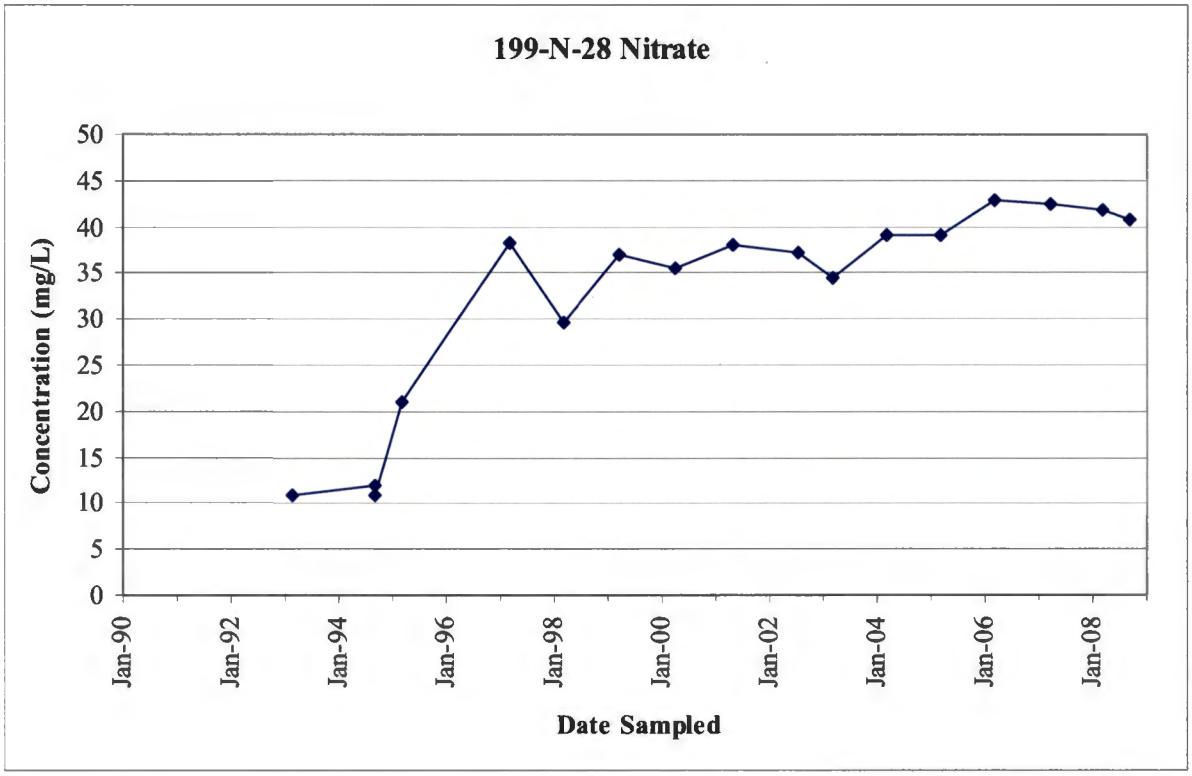

199-N-19 Nitrate
Concentration (mg/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

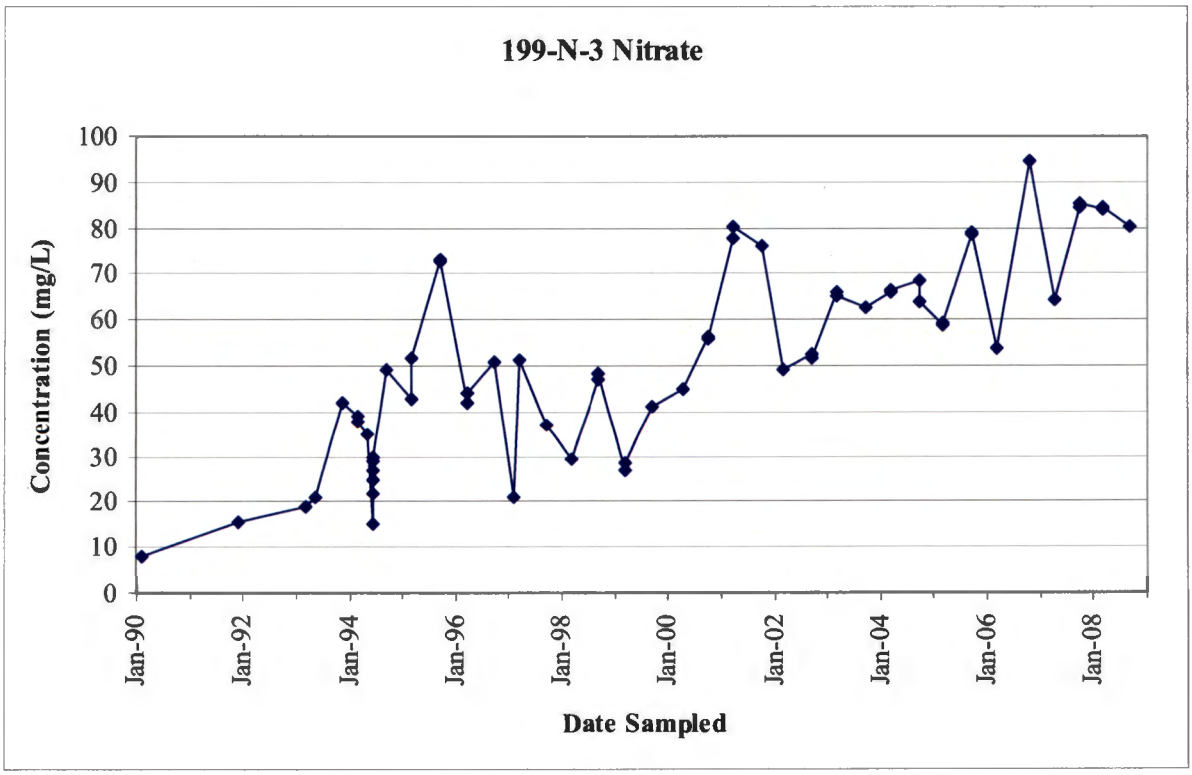

199-N-2 Nitrate
Concentration (mg/L)
0
20
40
60
80
100
120
140
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

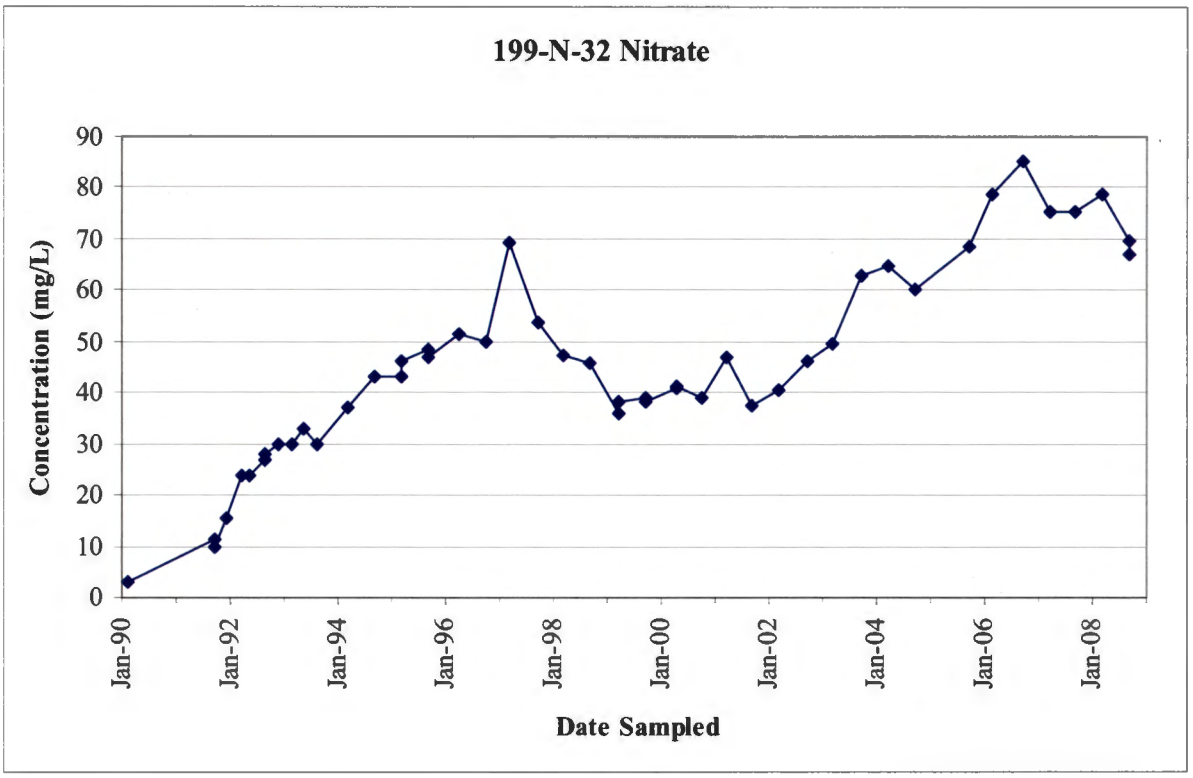

199-N-21 Nitrate
Concentration (mg/L)
0
10
20
30
40
50
60
70
80
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

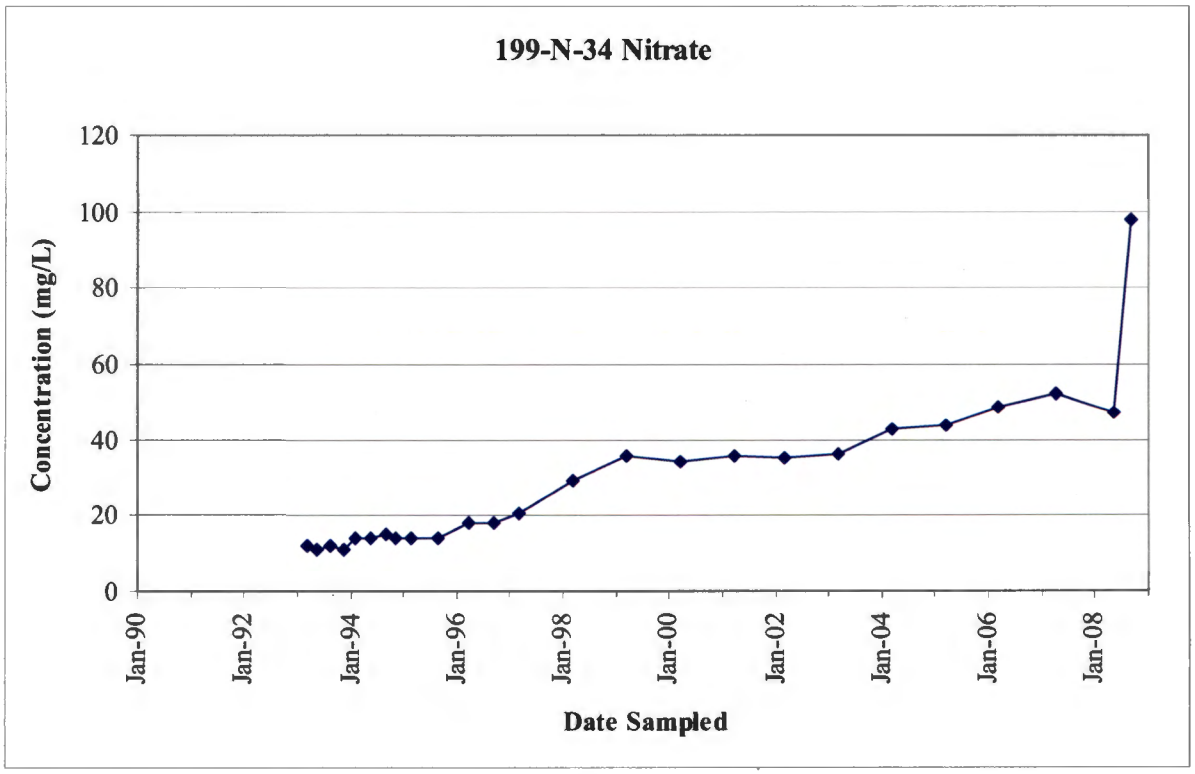

199-N-26 Nitrate
Concentration (mg/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

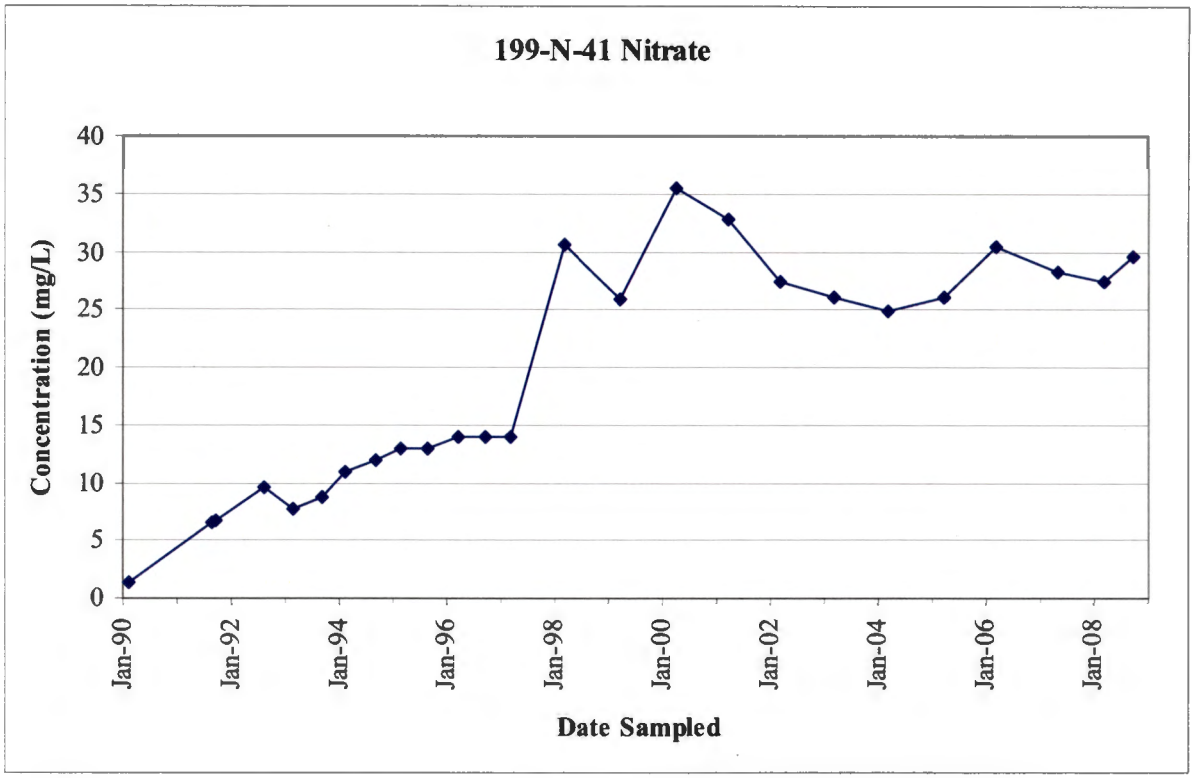

199-N-27 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-N-28 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-N-3 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-N-32 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-N-34 Nitrate
Concentration (mg/L)
0
20
40
60
80
100
120
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-N-41 Nitrate
Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Jan-90
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Jan-94
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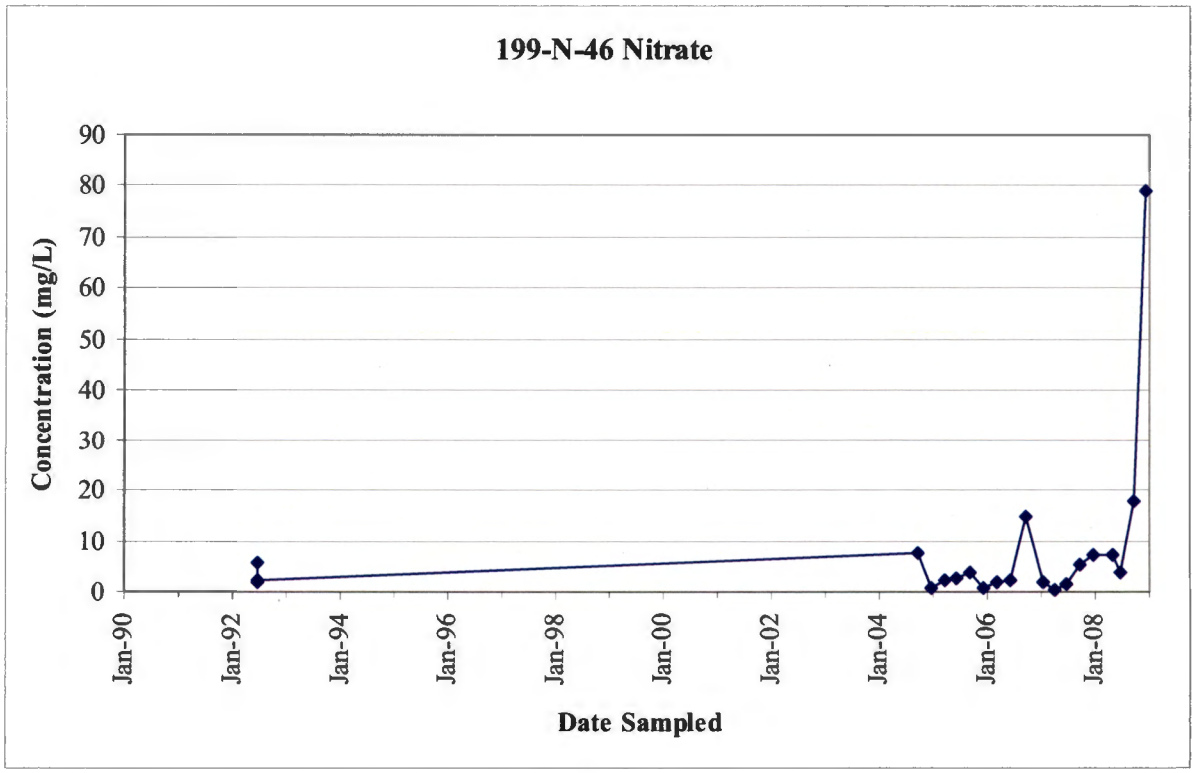
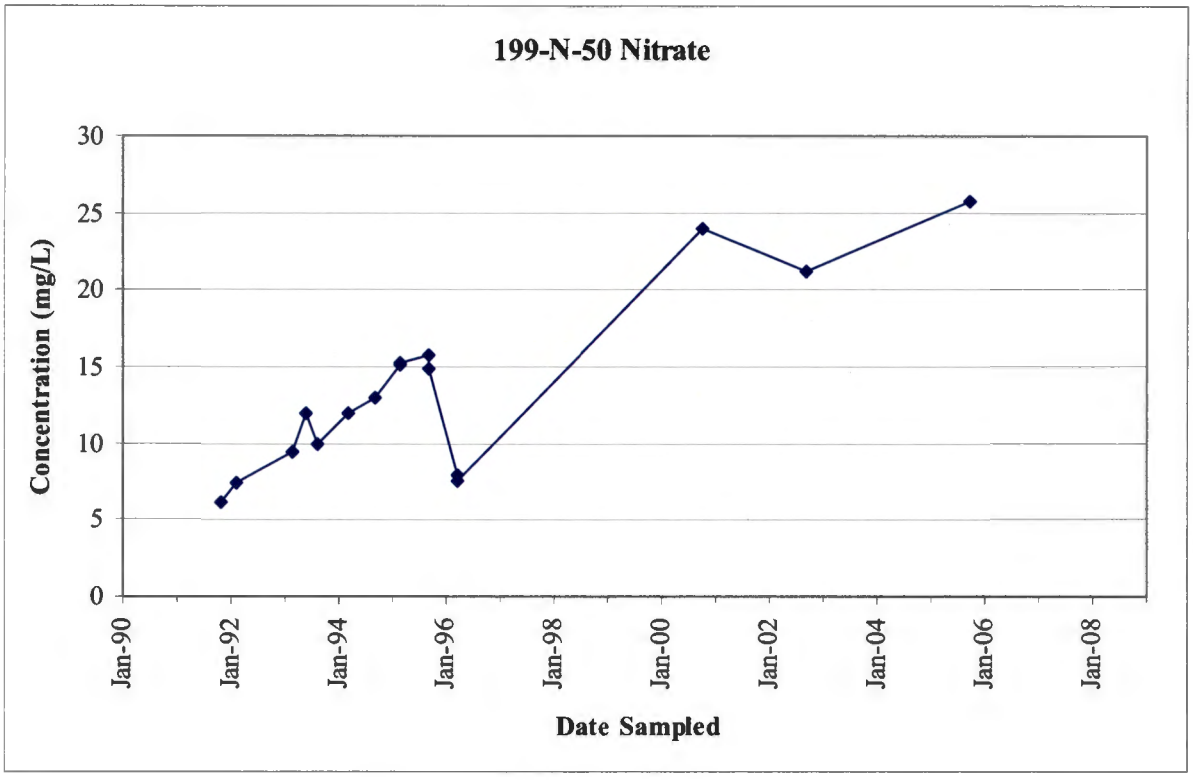
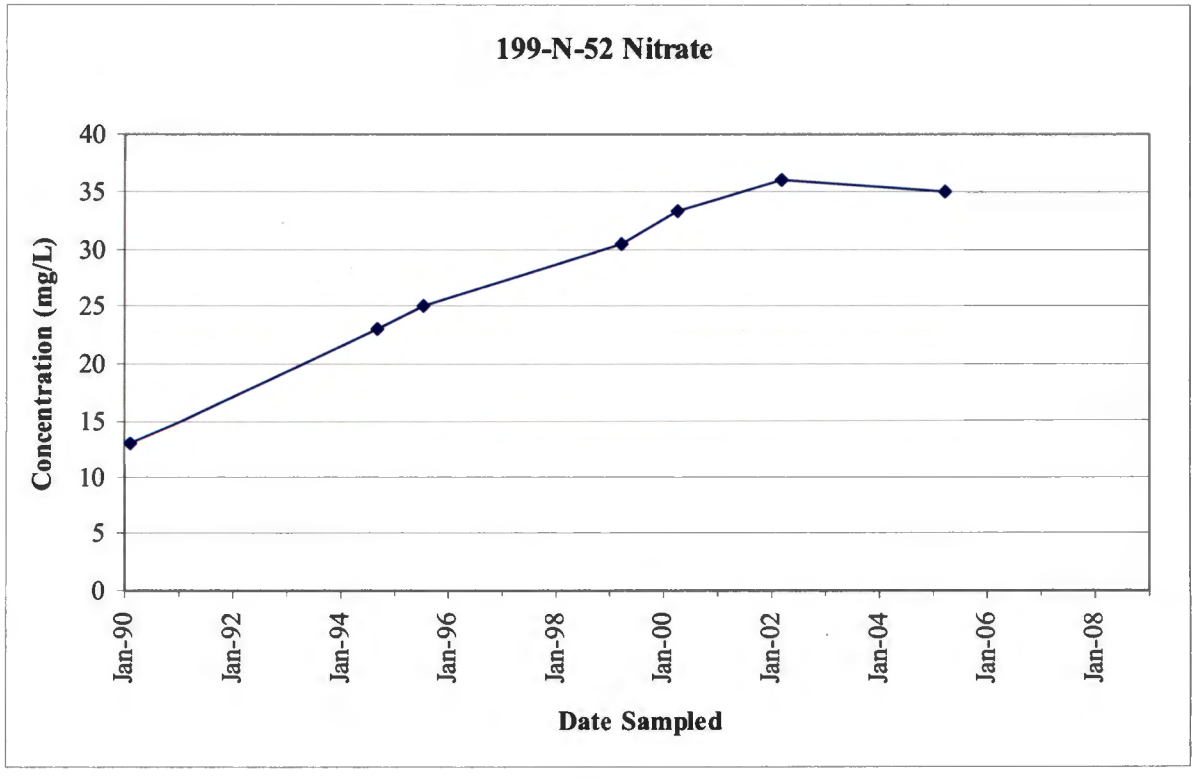
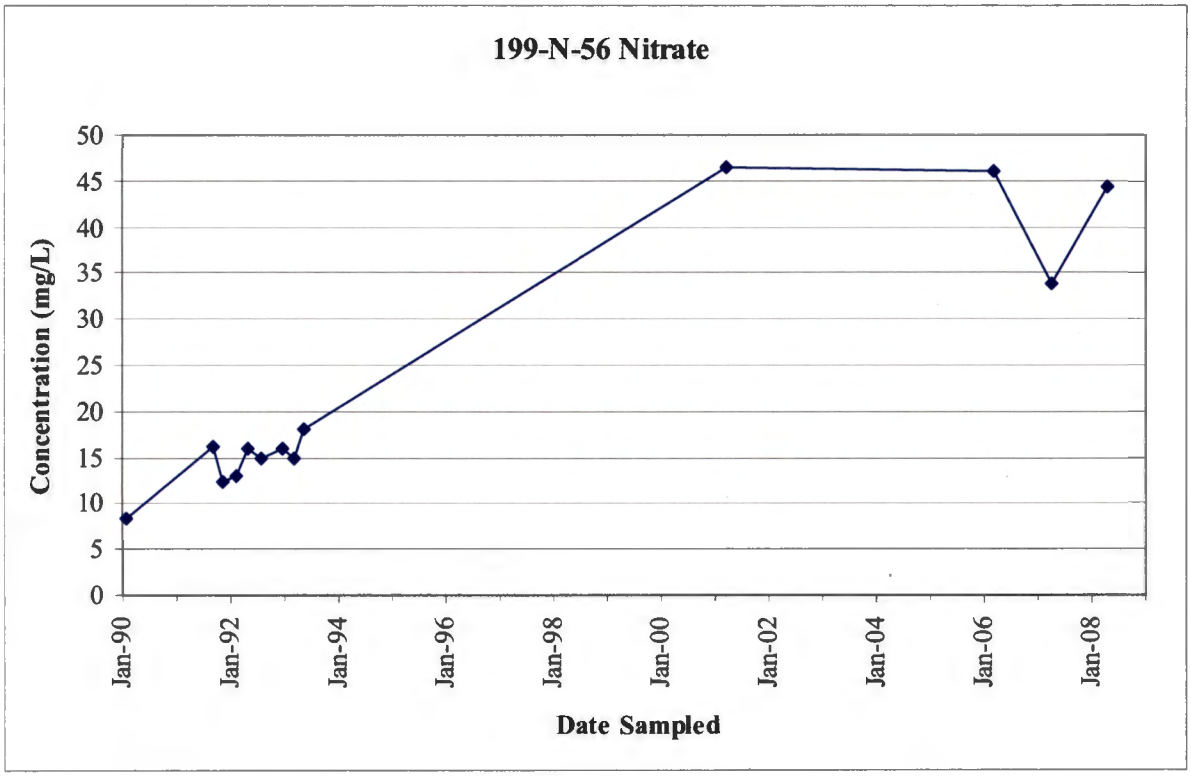
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-N-46 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-N-50 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-N-52 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-N-56 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
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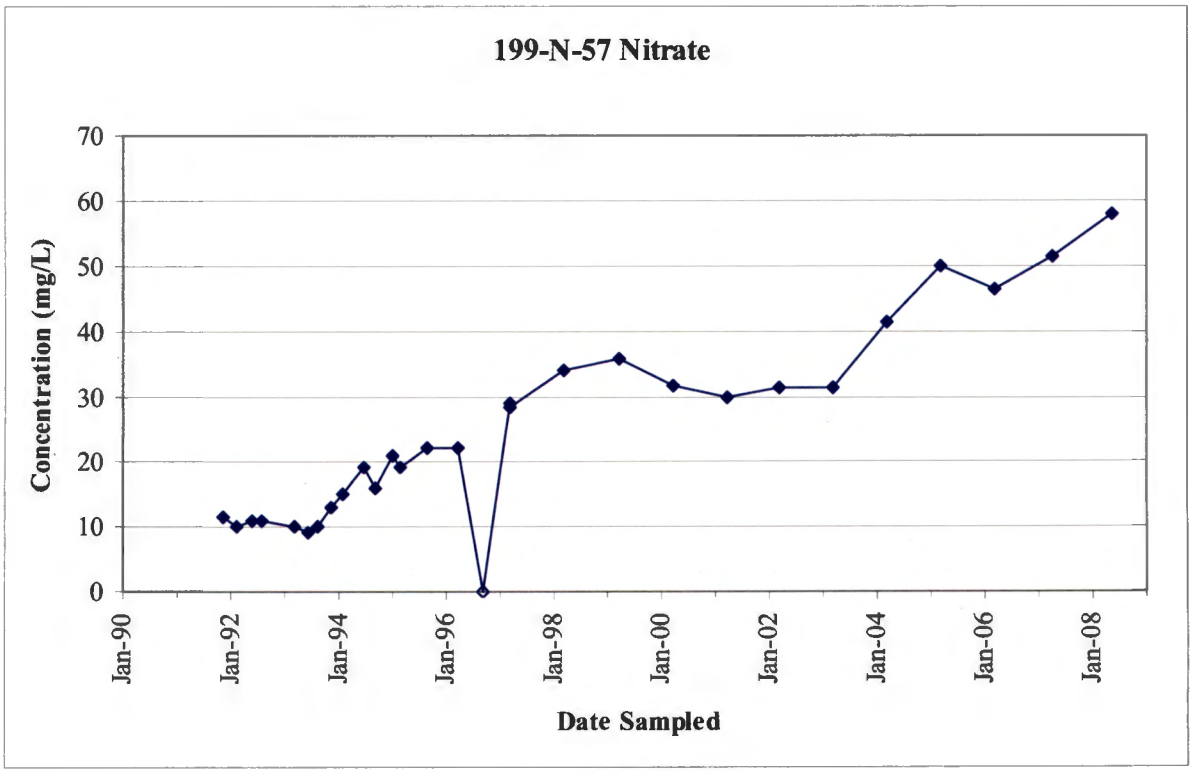
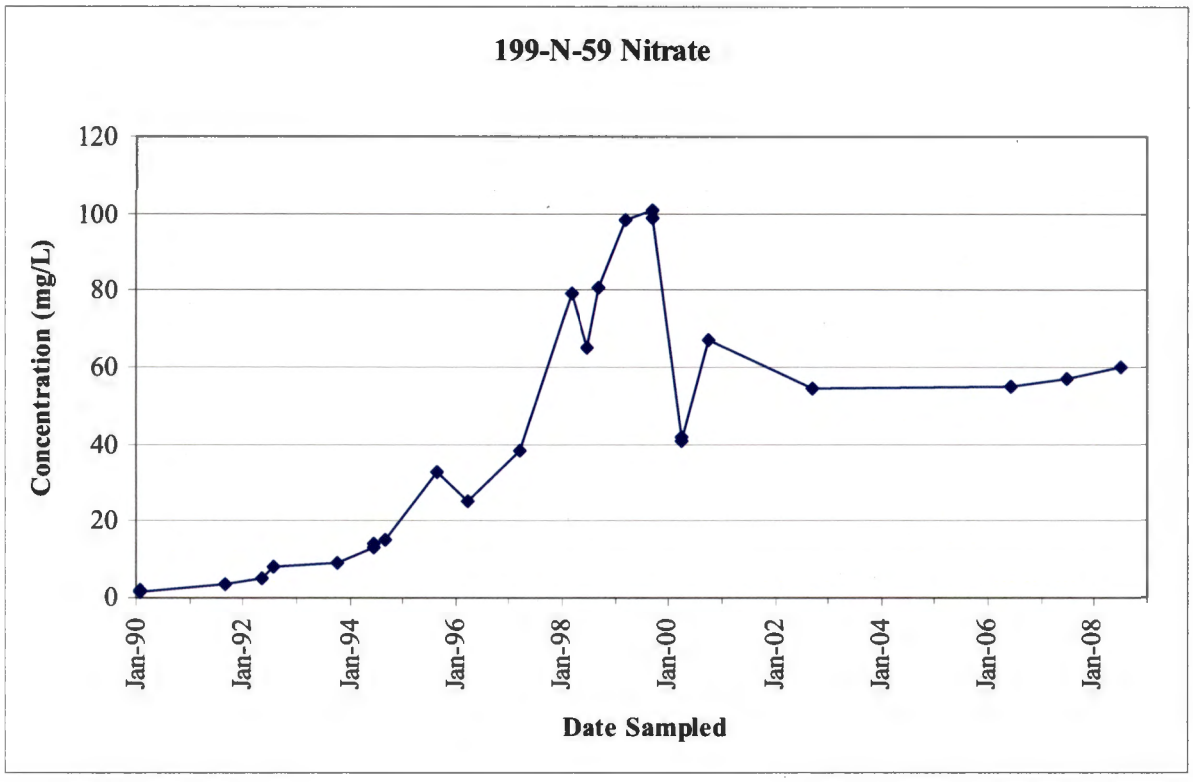
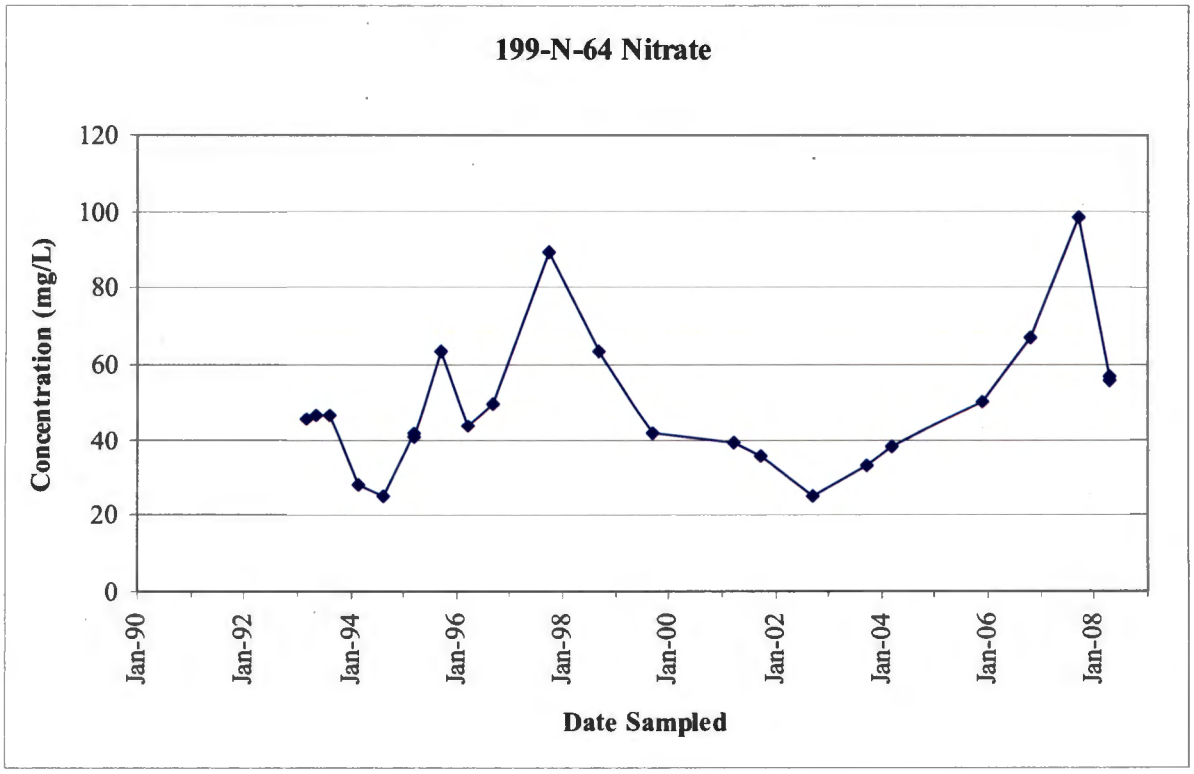
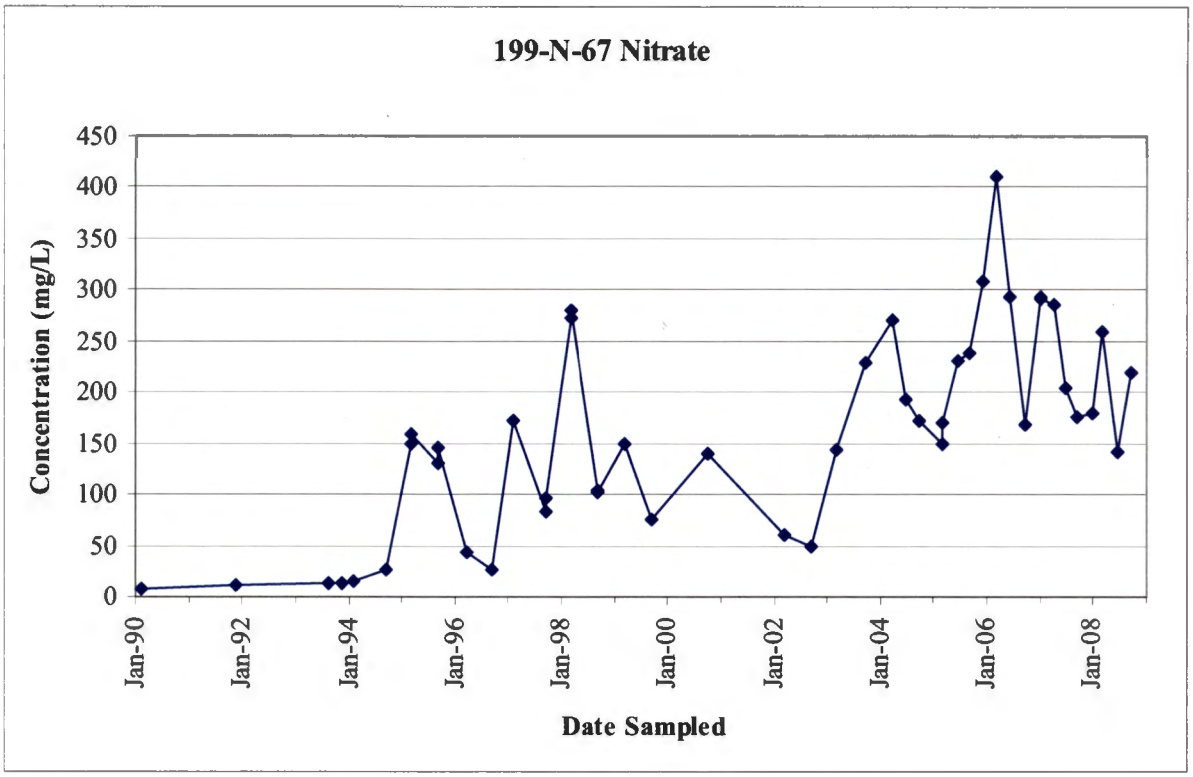
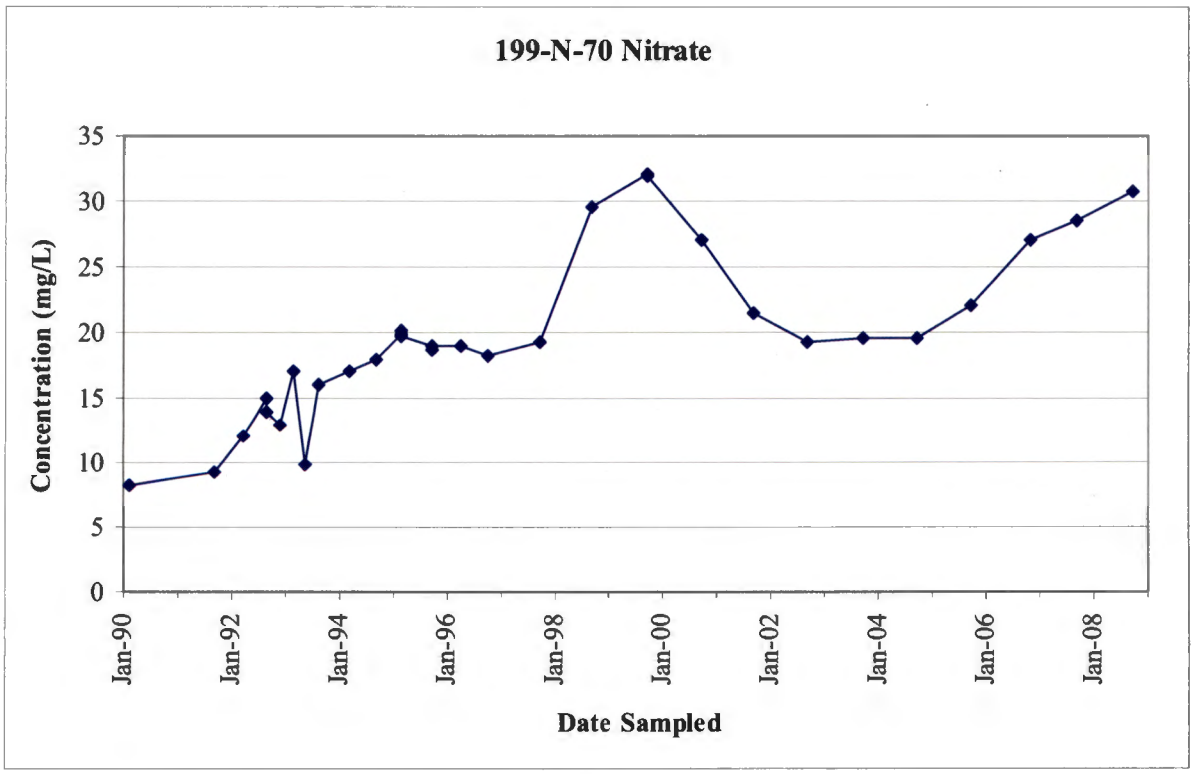
Jan-06
Jan-08
Date Sampled

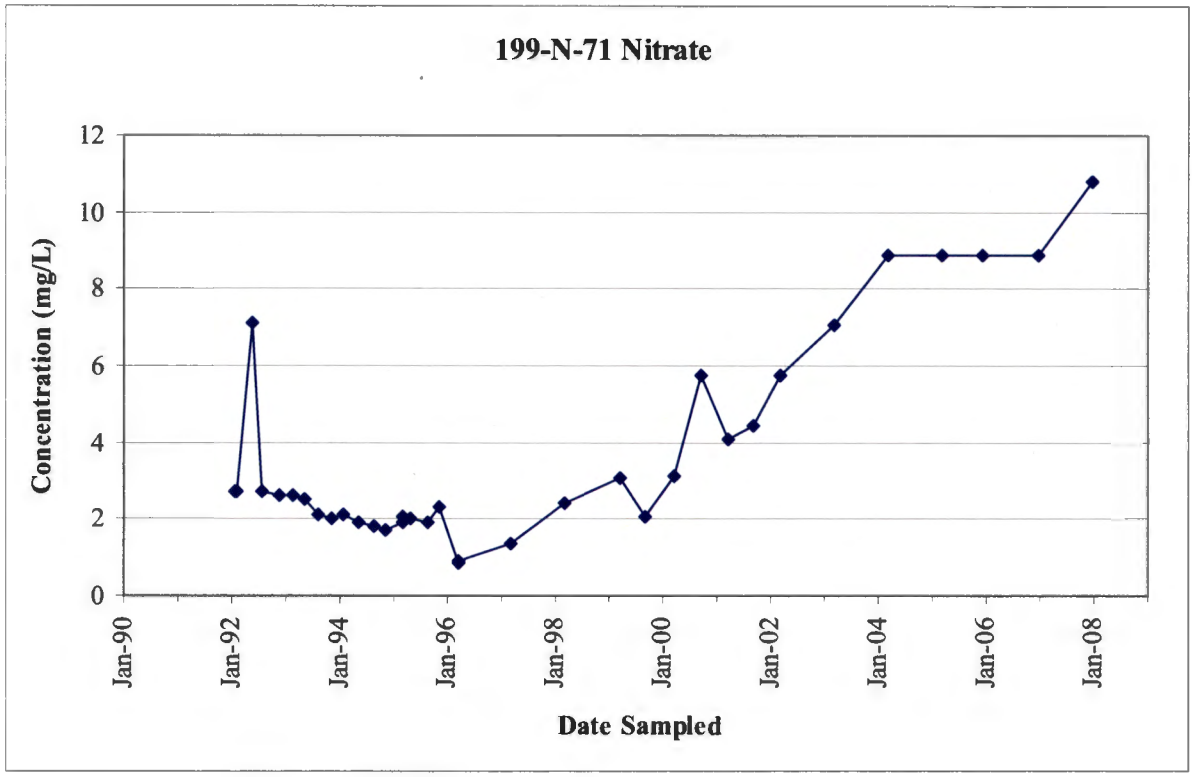

199-N-57 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

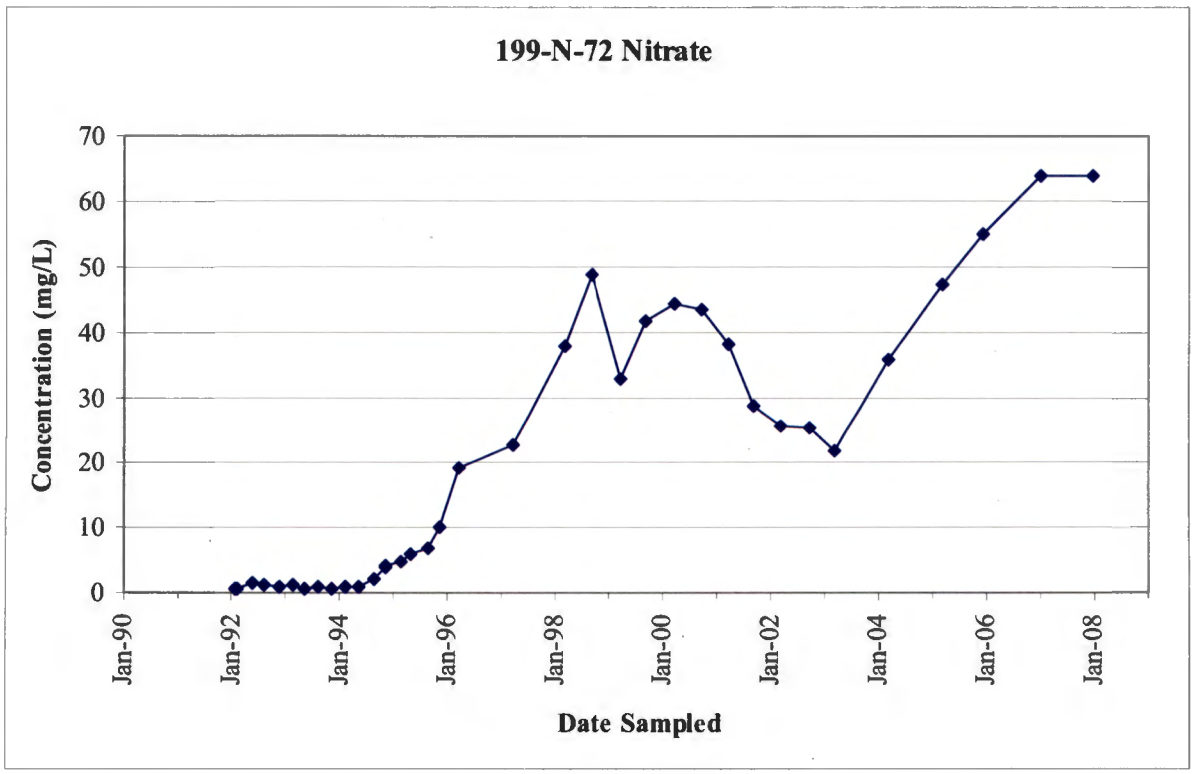

199-N-59 Nitrate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

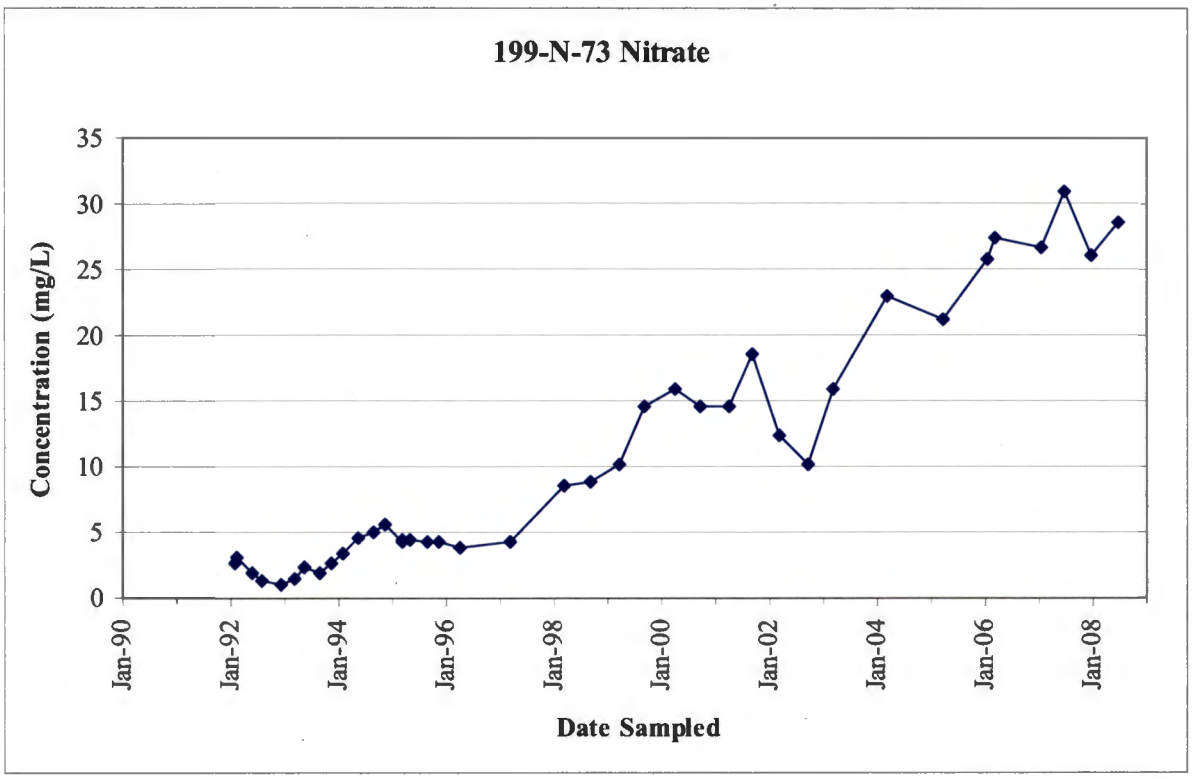

199-N-64 Nitrate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

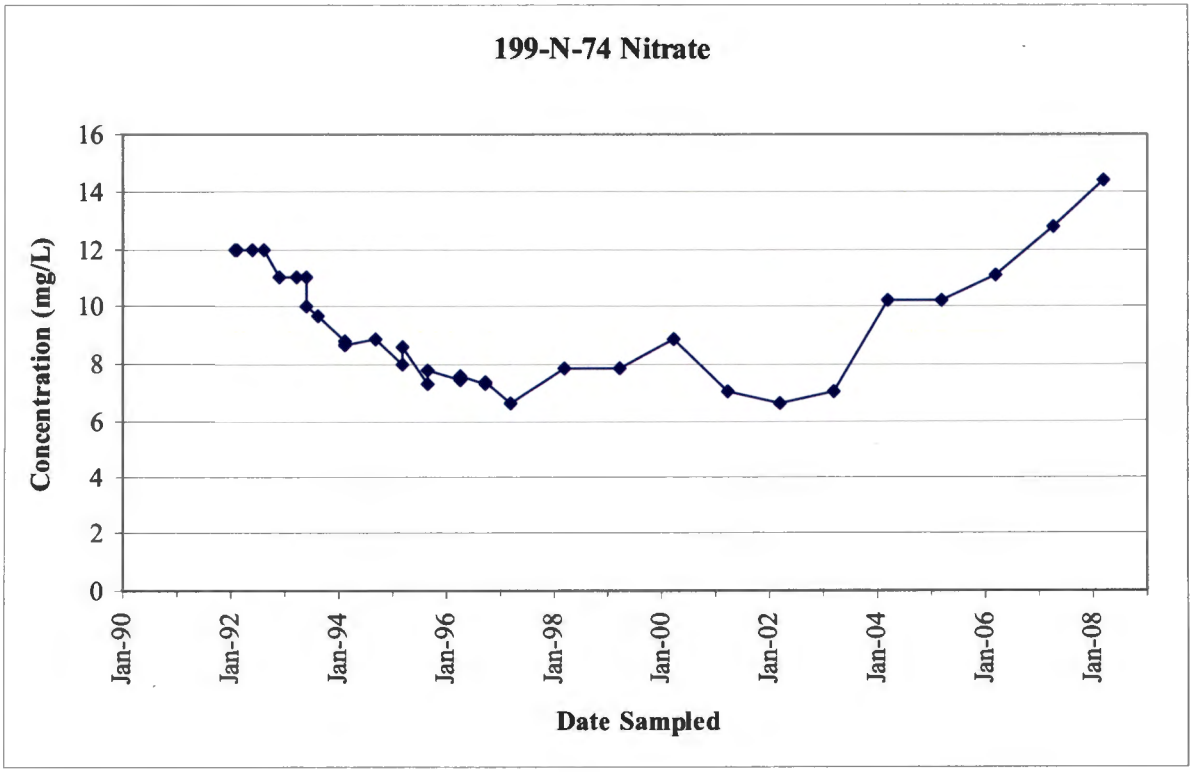

199-N-67 Nitrate
Concentration (mg/L)
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

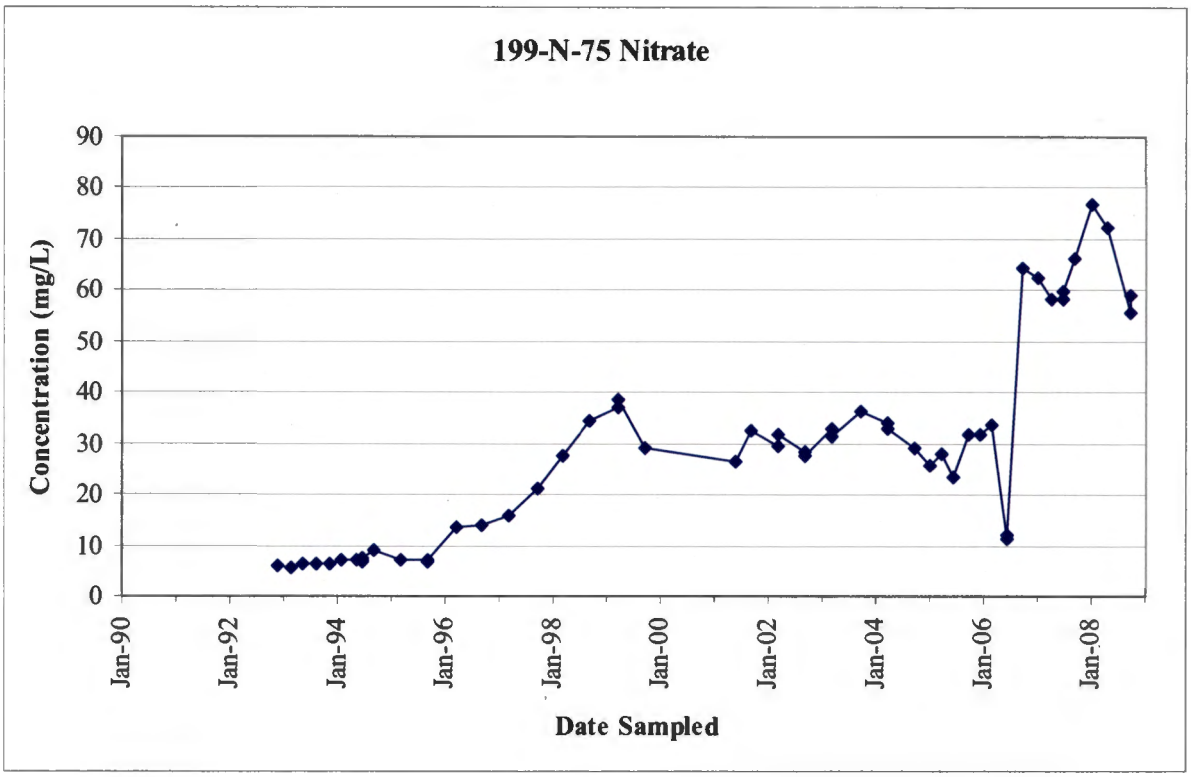

199-N-70 Nitrate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

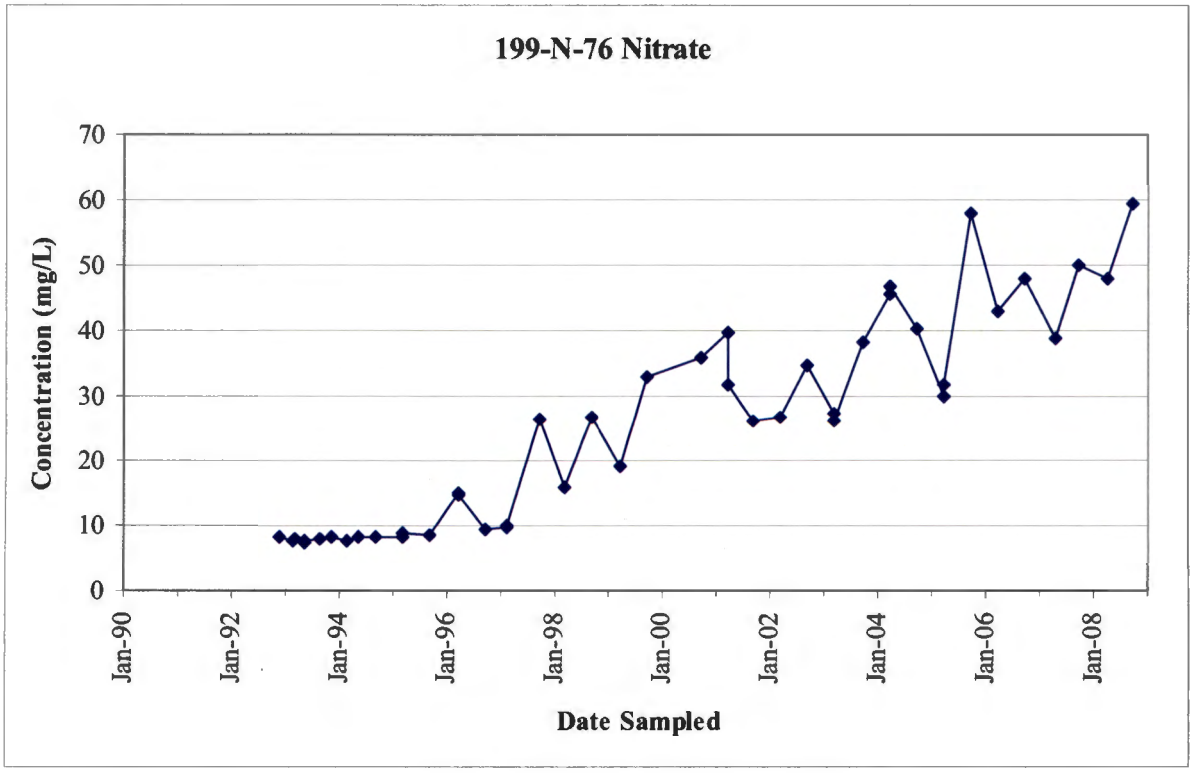

199-N-71 Nitrate
Concentration (mg/L)
0
2
4
6
8
10
12
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

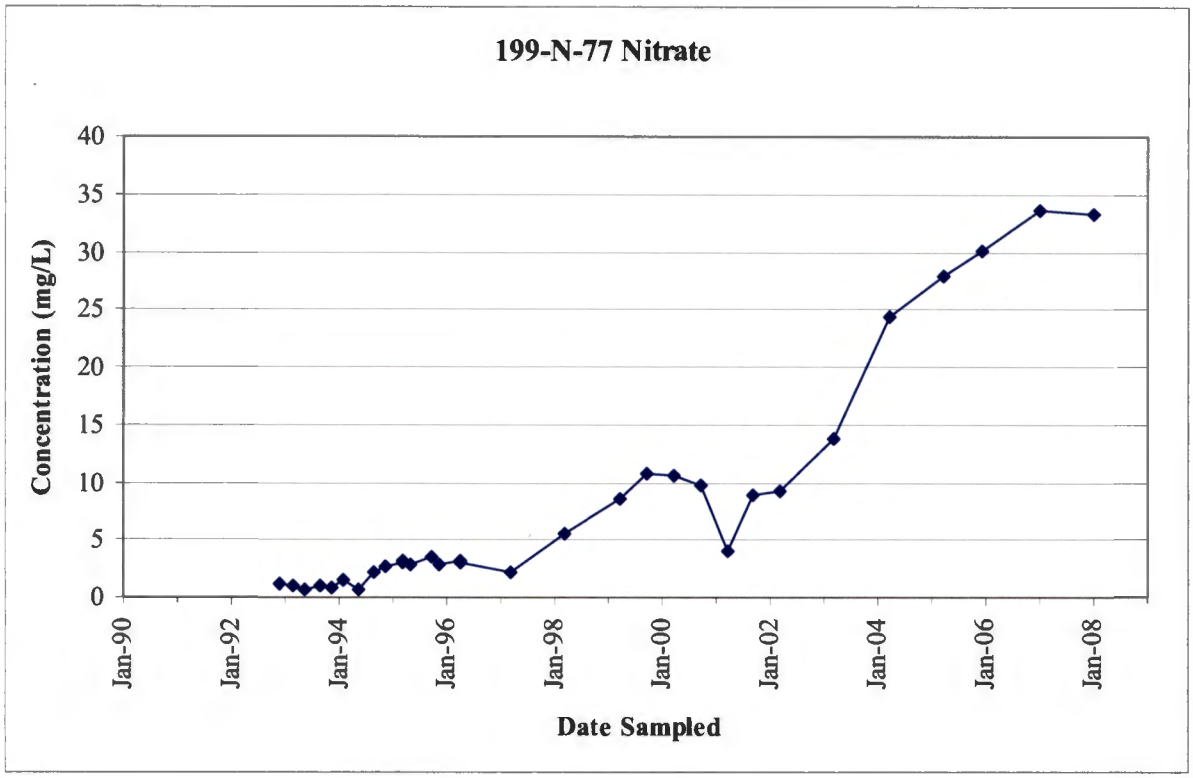

199-N-72 Nitrate
Concentration (mg/L)
0
10
20
30
40
50
60
70
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

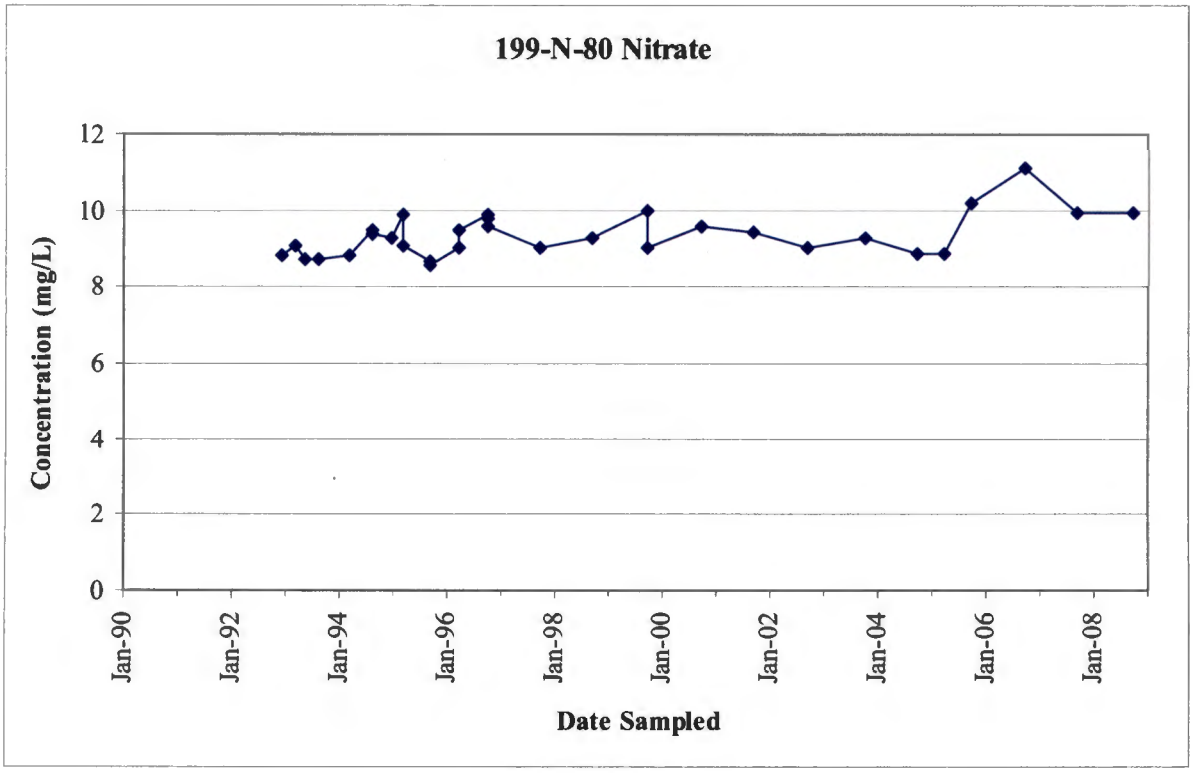

199-N-73 Nitrate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

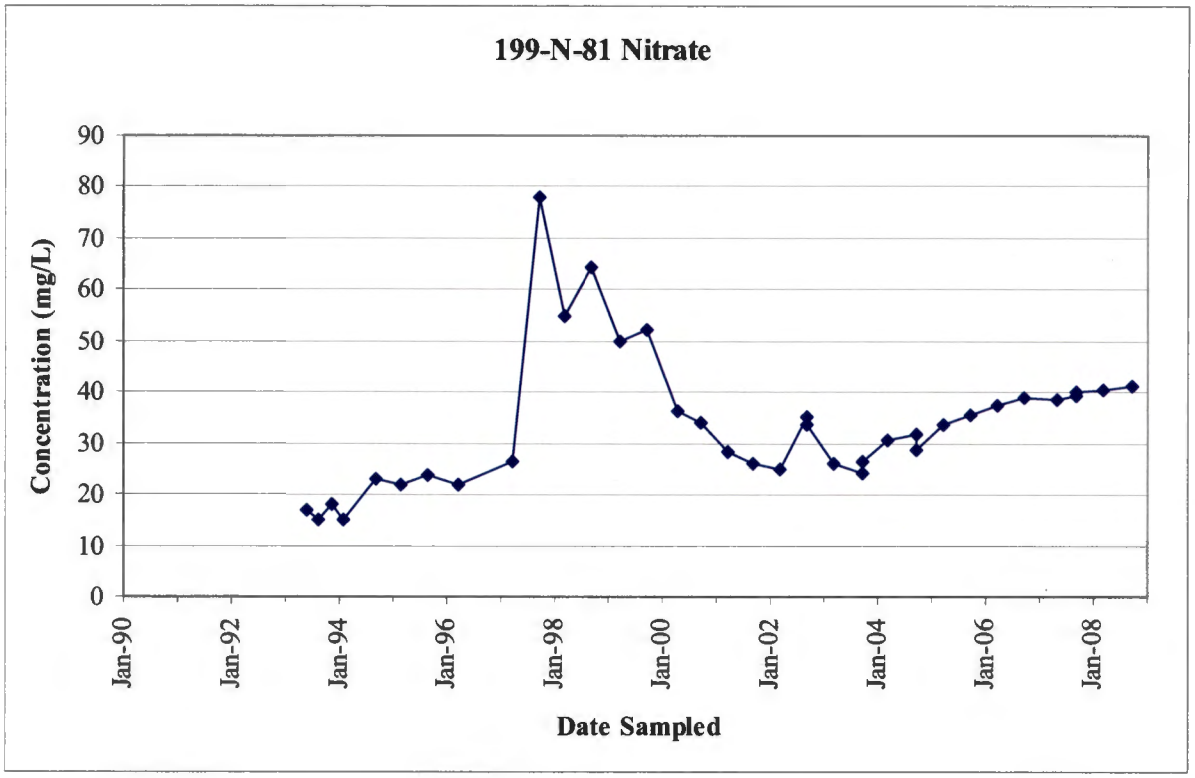

199-N-74 Nitrate
Concentration (mg/L)
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

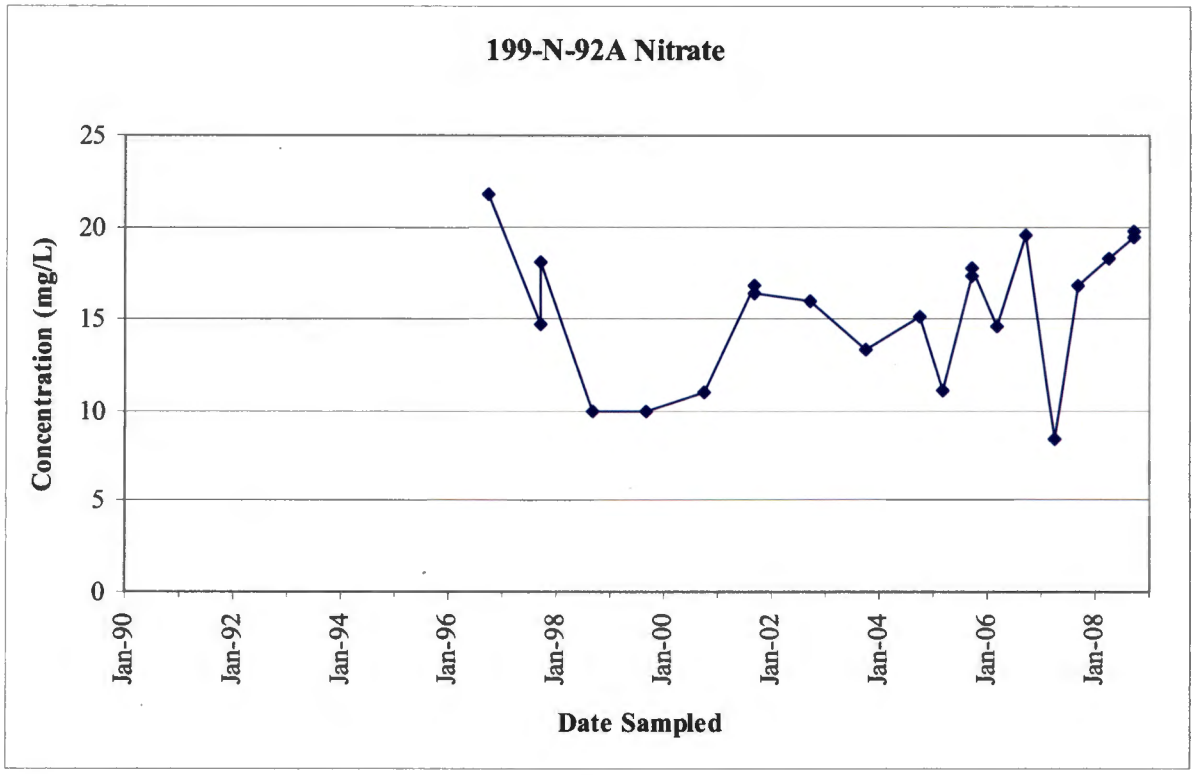

199-N-75 Nitrate
Concentration (mg/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

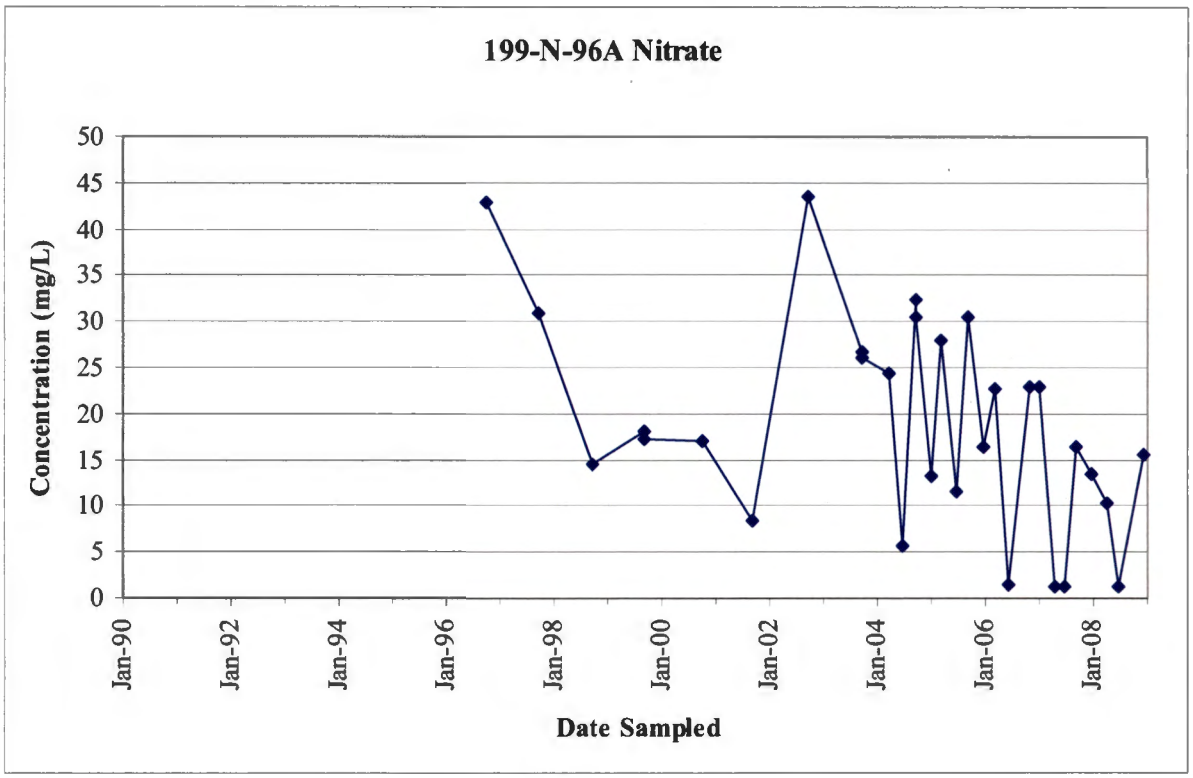

199-N-76 Nitrate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

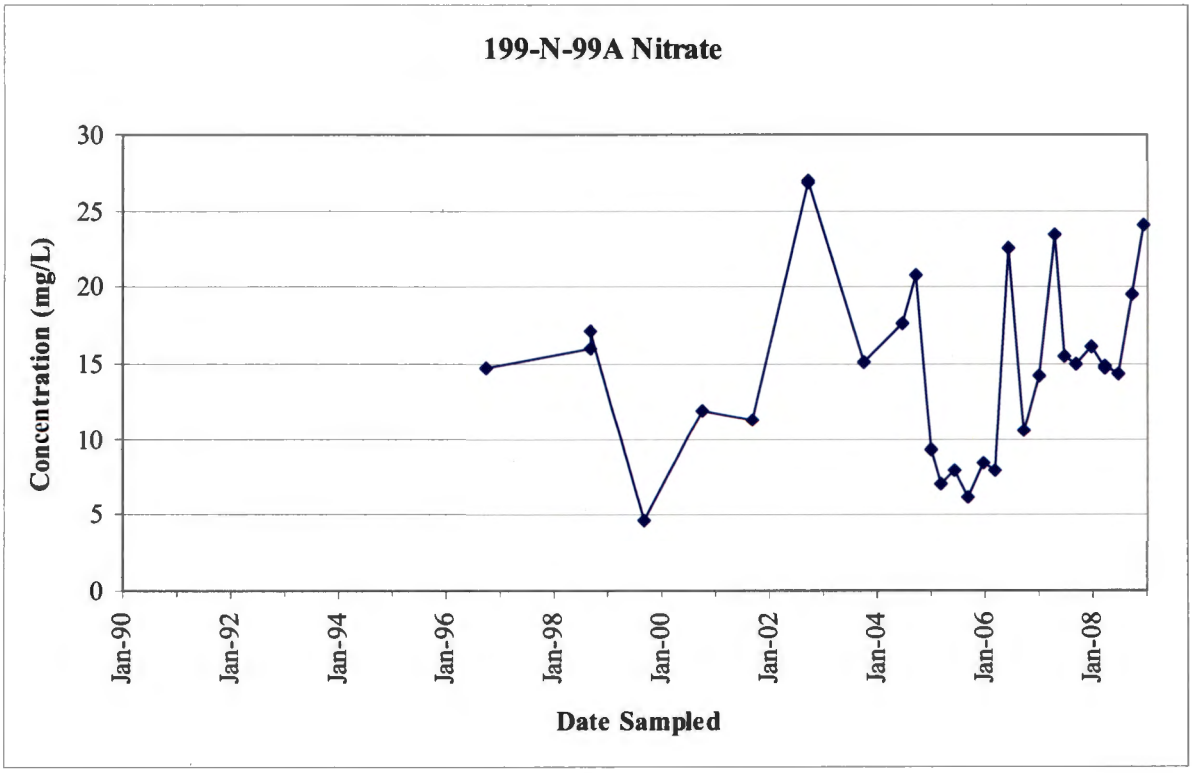

199-N-77 Nitrate
Concentration (mg/L)
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-N-80 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-N-81 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-N-92A 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-N-96A 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-N-99A 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
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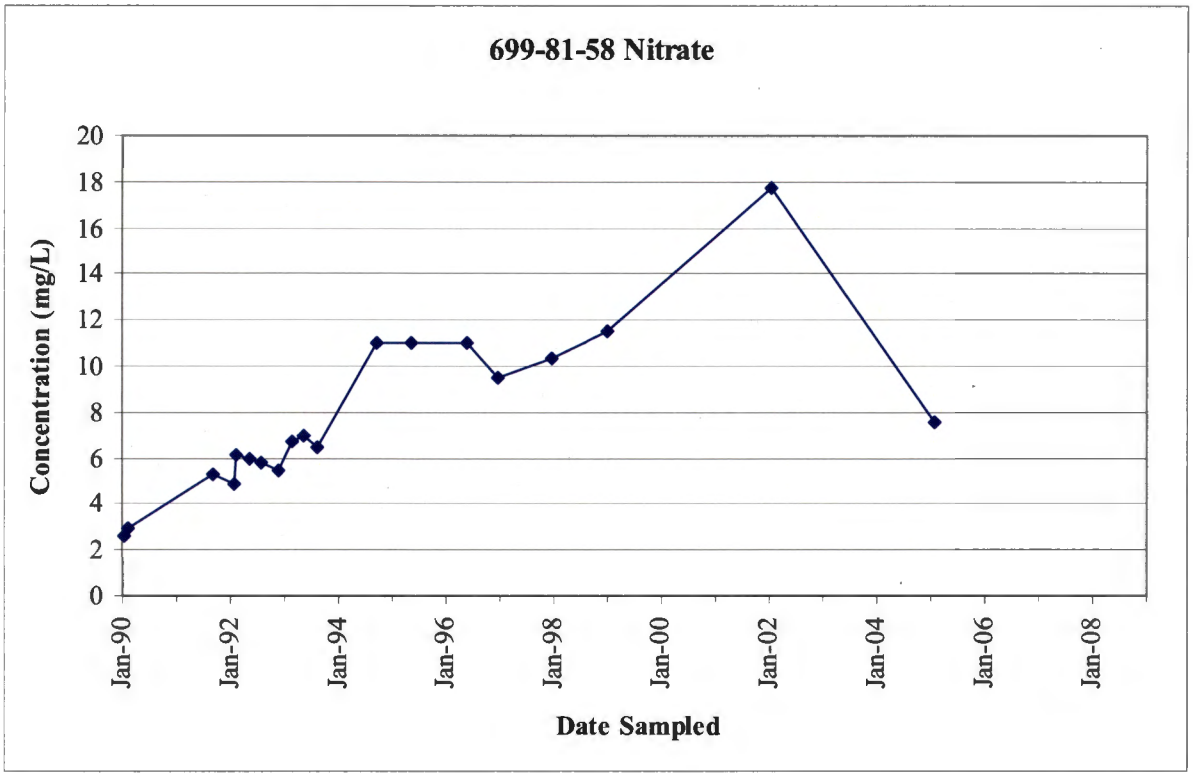
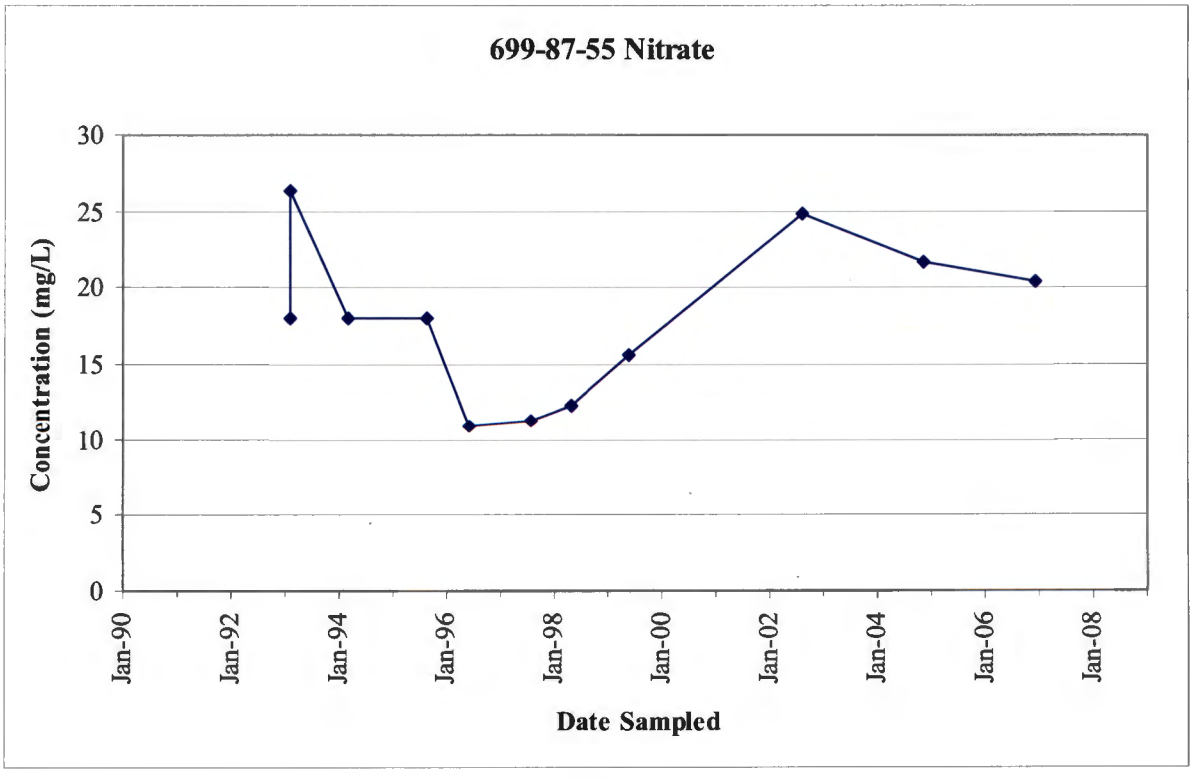
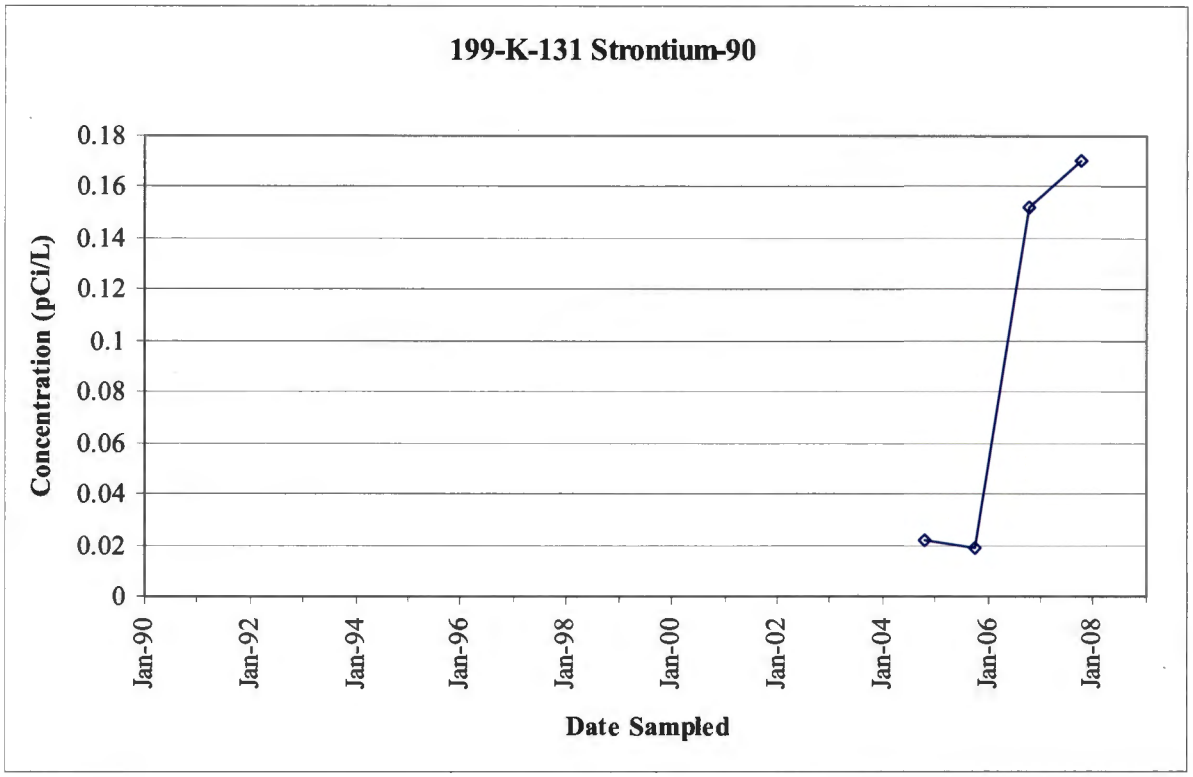
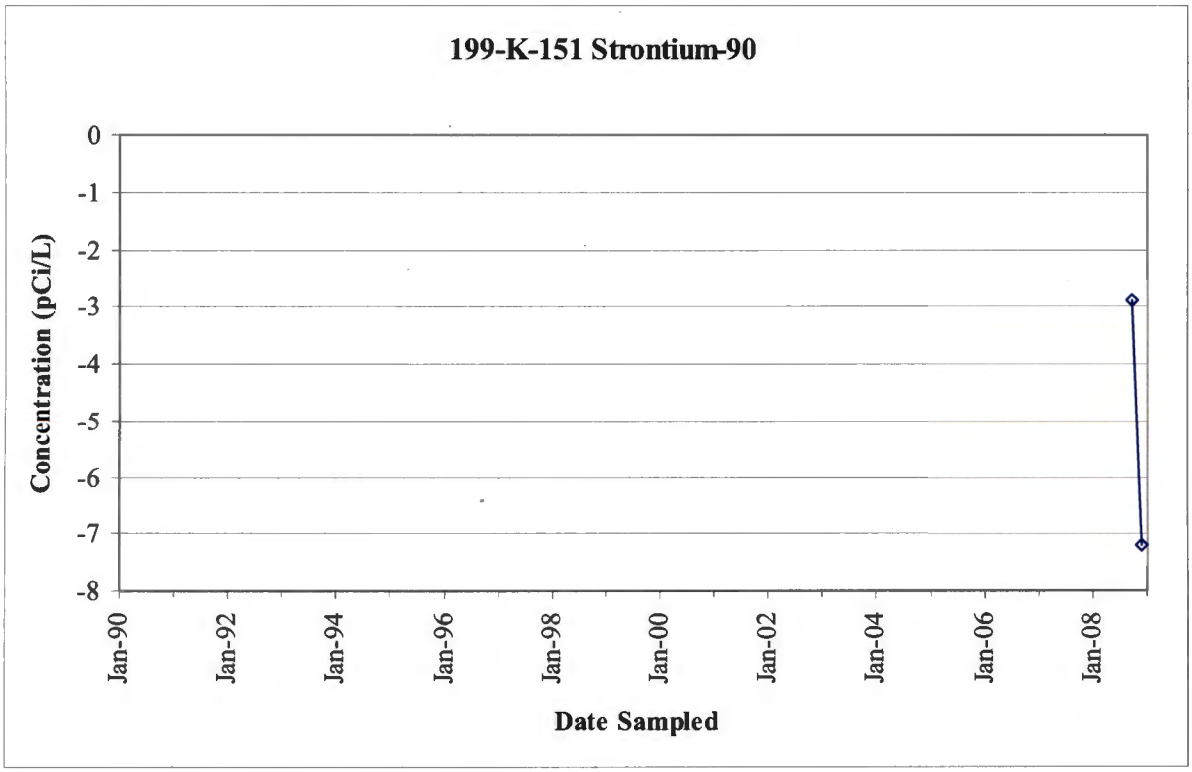
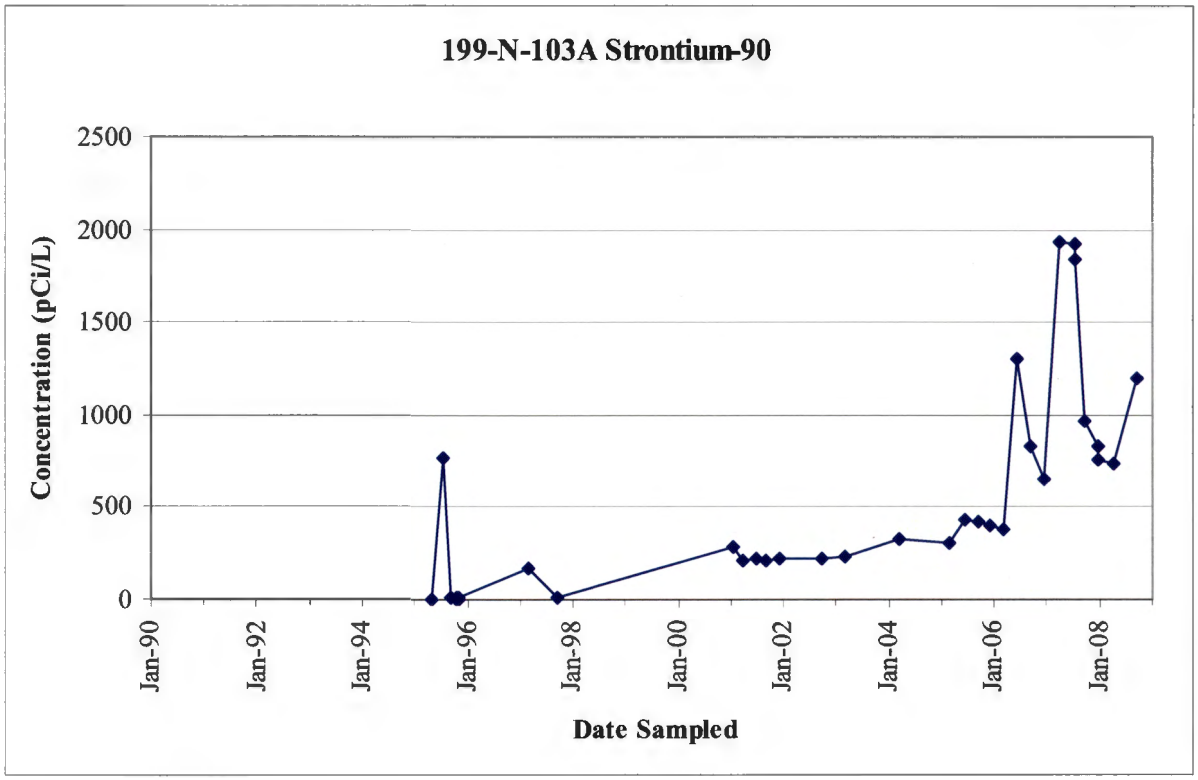
Jan-06
Jan-08
Date Sampled

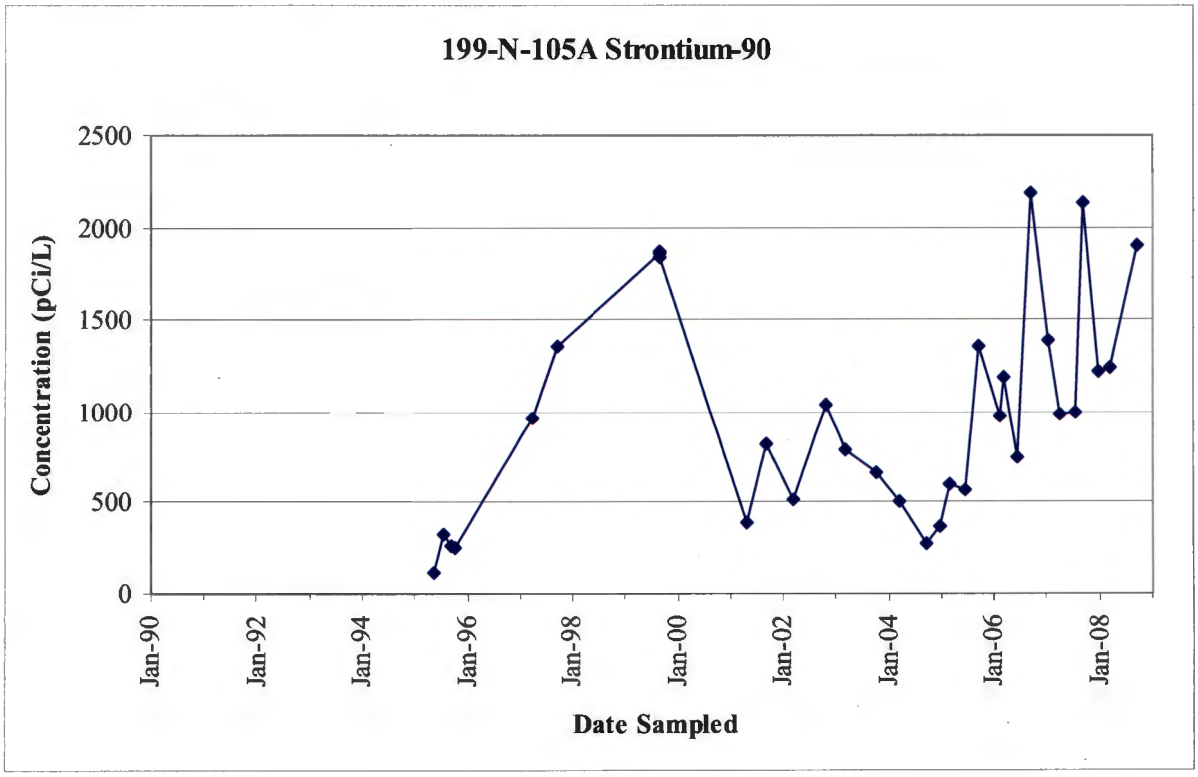

699-81-58 Nitrate
Concentration (mg/L)
20
18
16
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

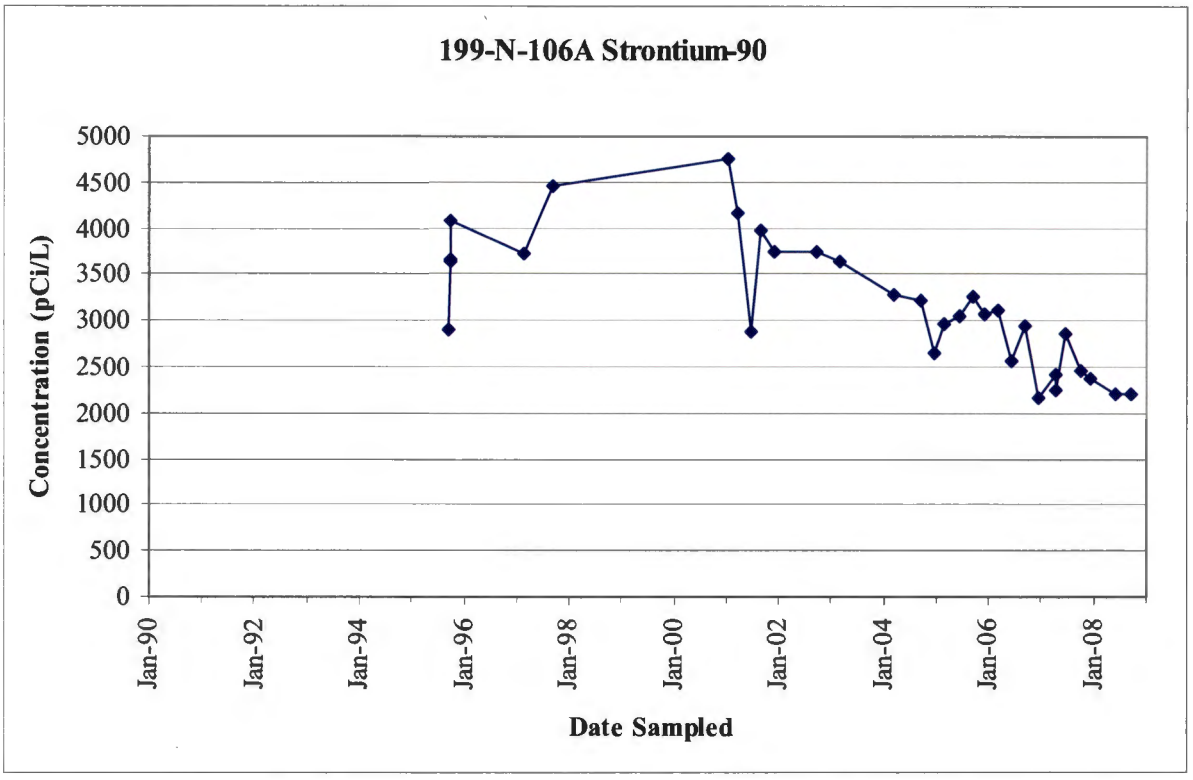

699-87-55 Nitrate
Concentration (mg/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

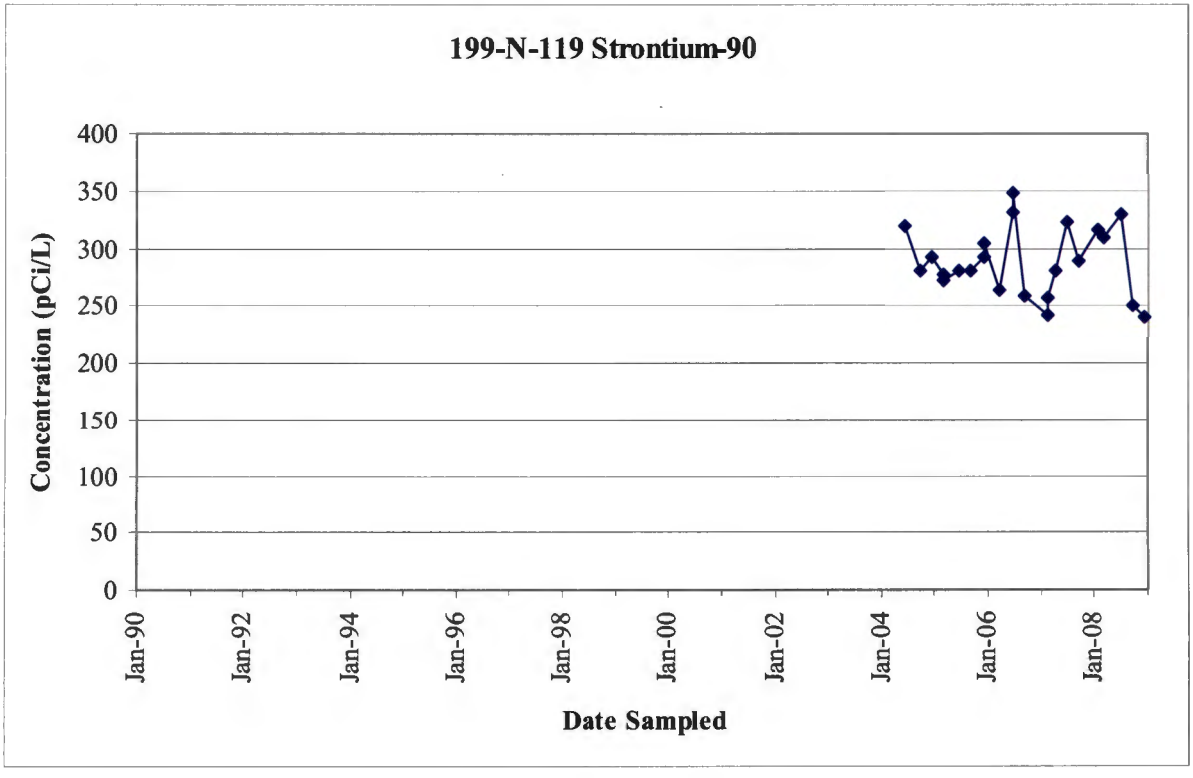

199-K-131 Strontium-90
Concentration (pCi/L)
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

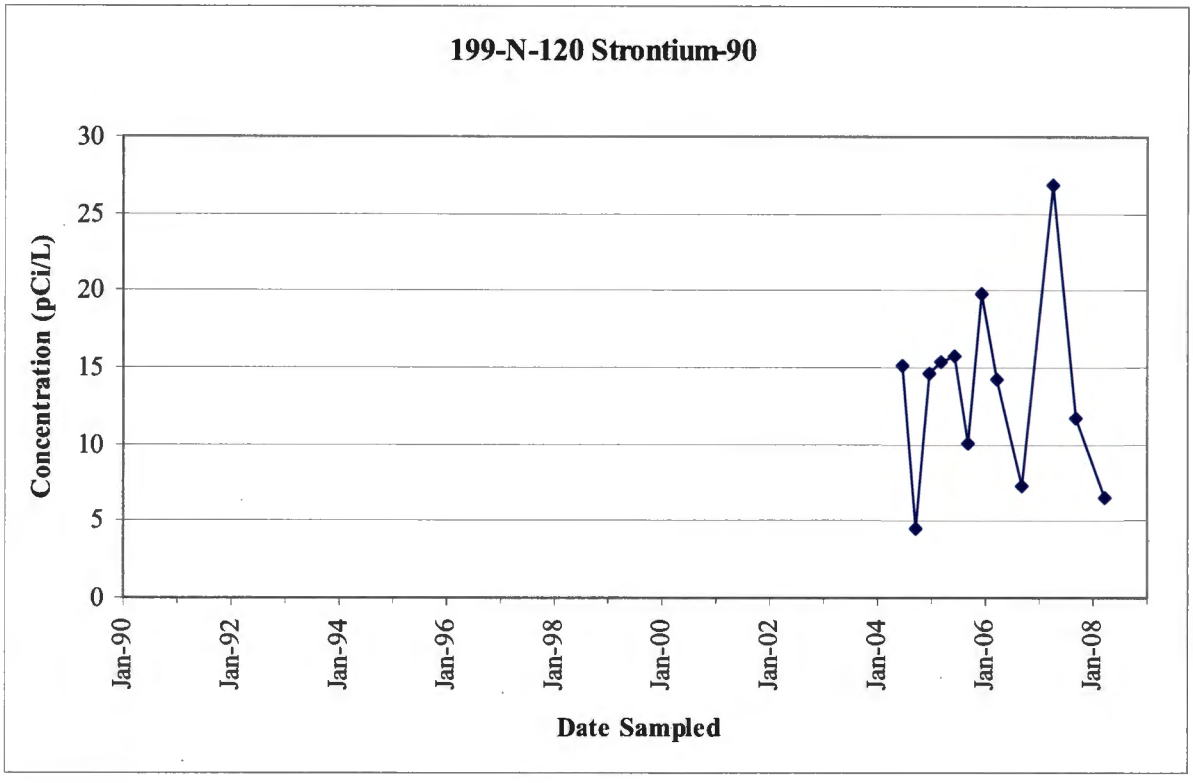

199-K-151 Strontium-90
Concentration (pCi/L)
0
-1
-2
-3
-4
-5
-6
-7
-8
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

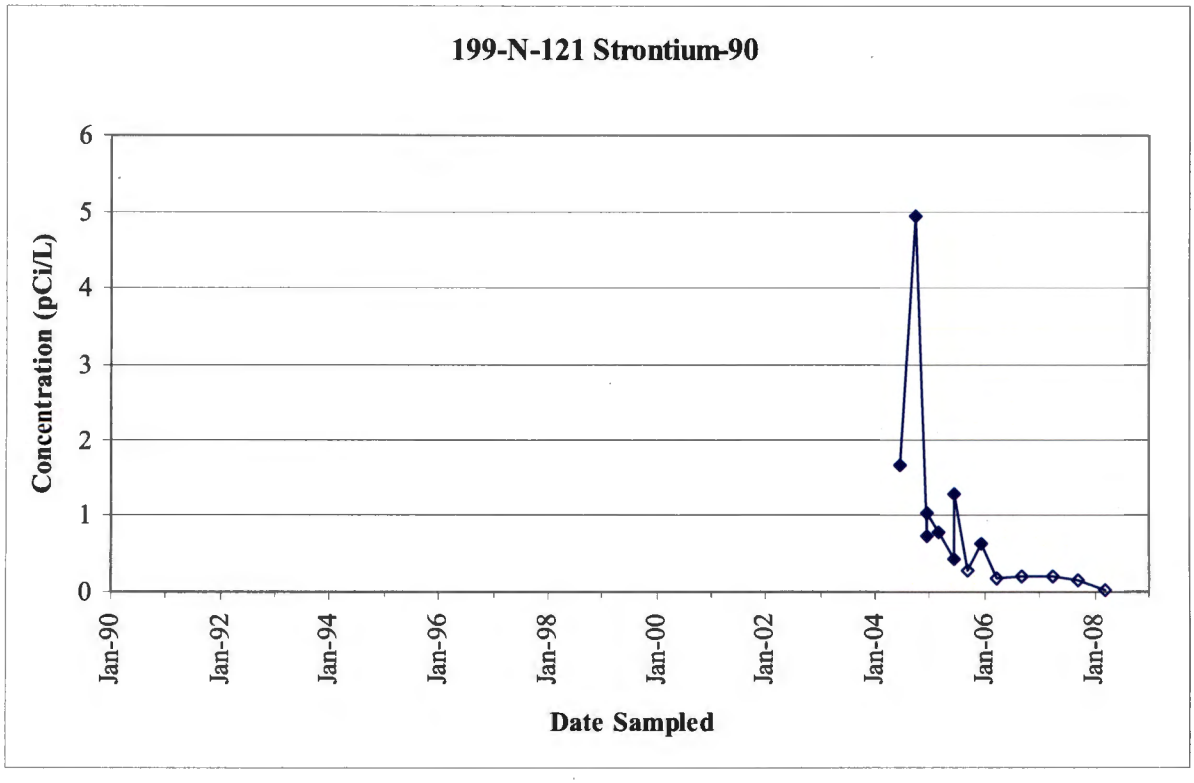

199-N-103A Strontium-90
Concentration (pCi/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

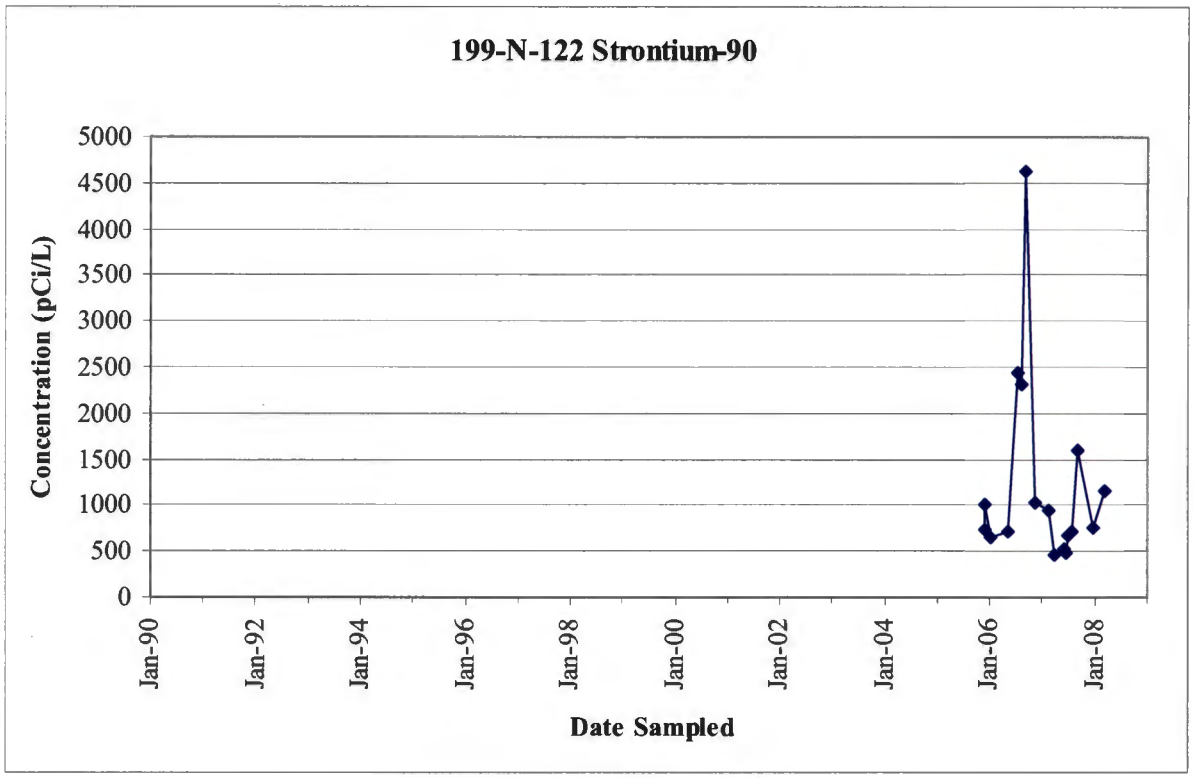

199-N-105A Strontium-90
Concentration (pCi/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

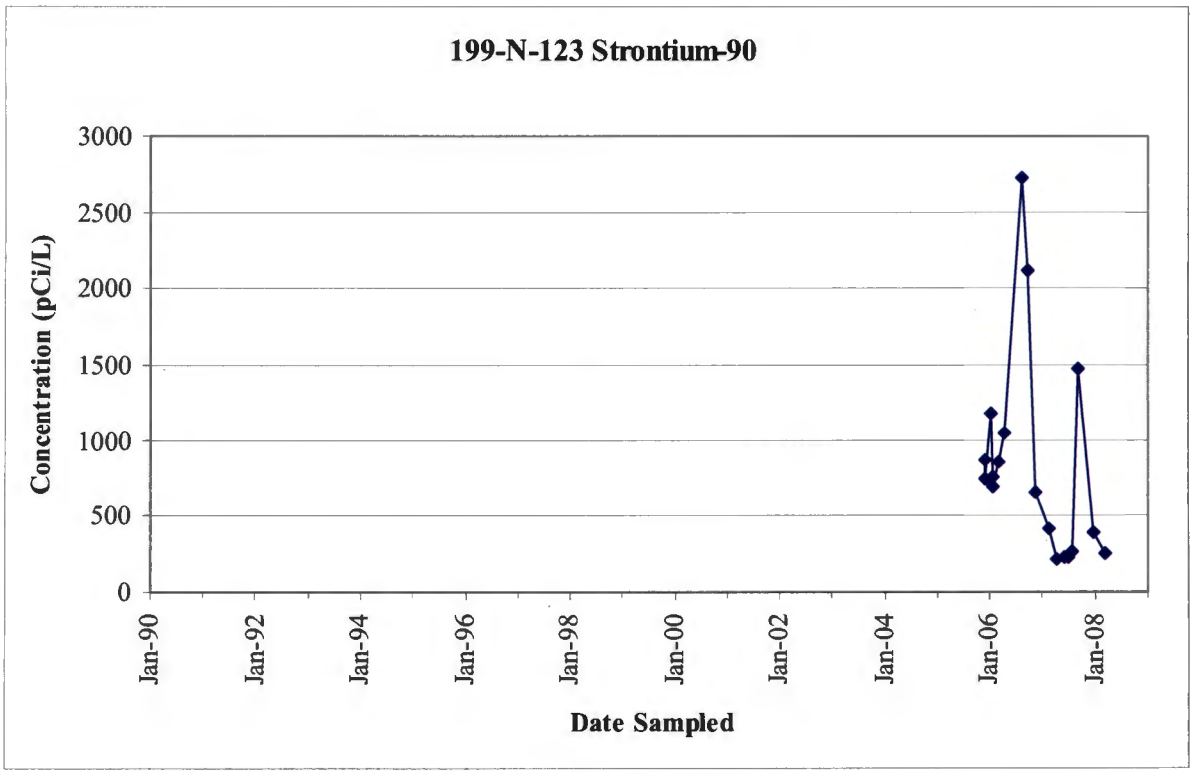

199-N-106A Strontium-90
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

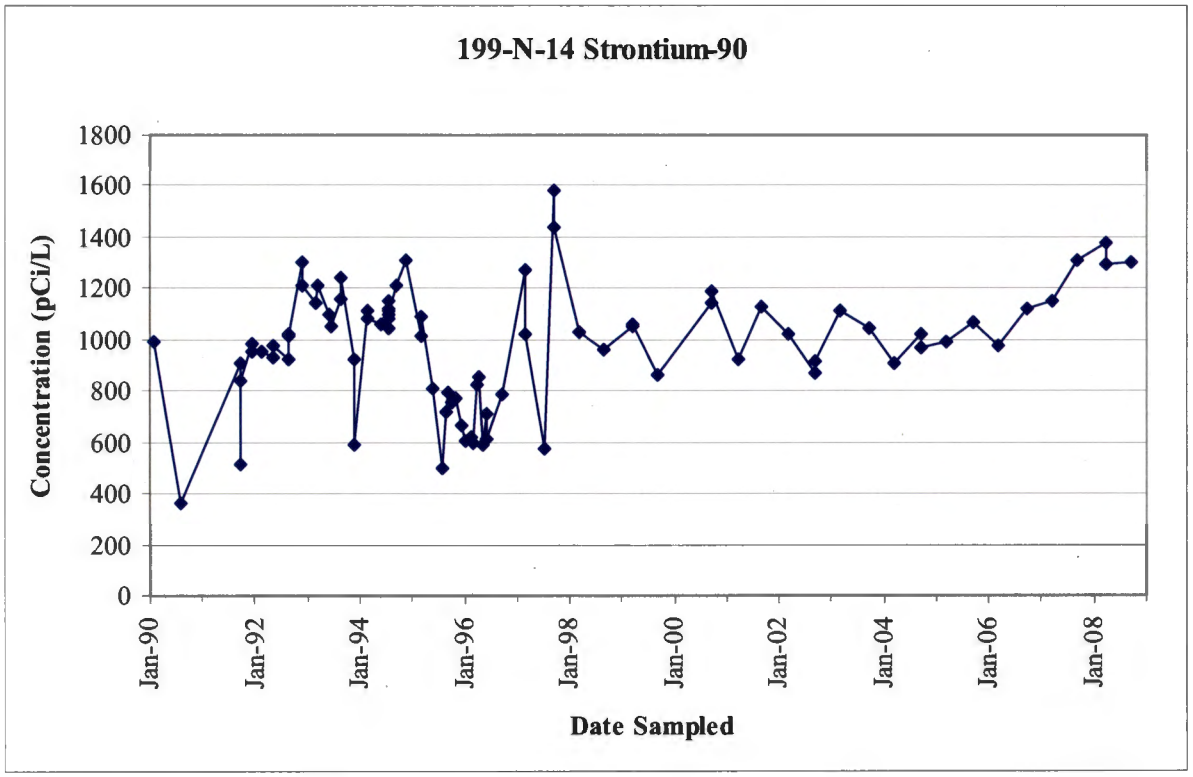

199-N-119 Strontium-90
Concentration (pCi/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

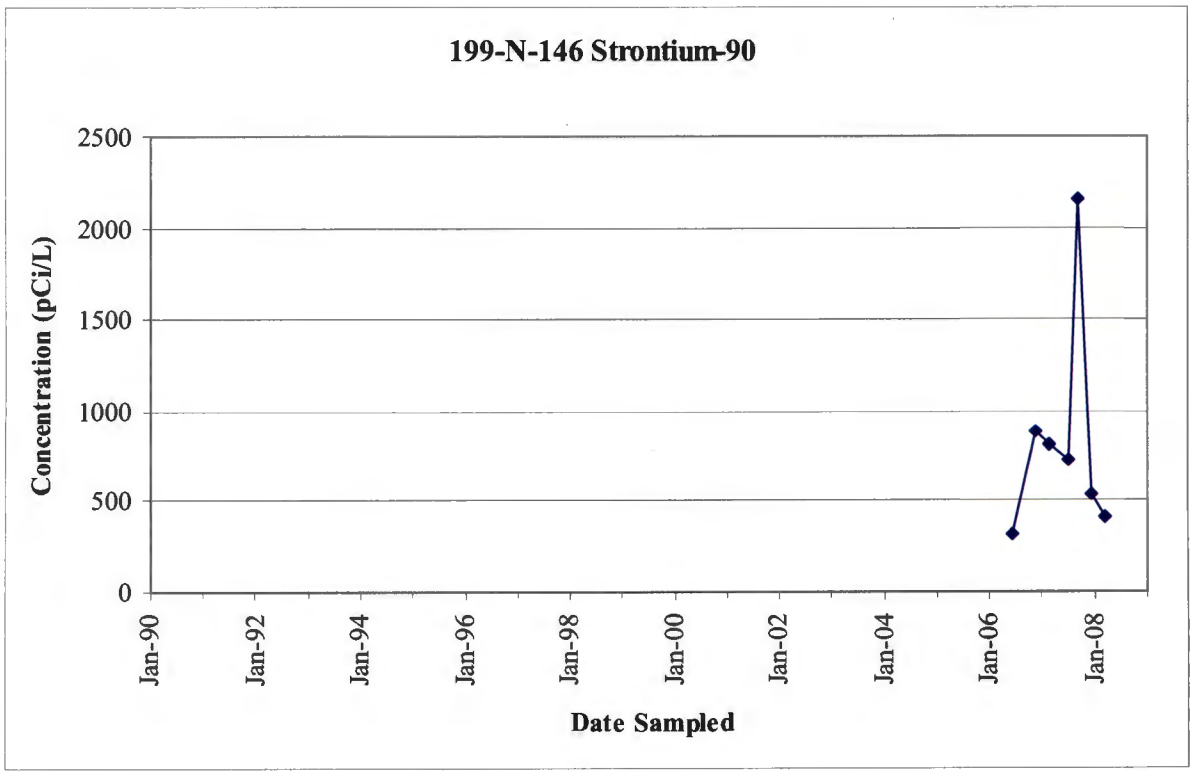

199-N-120 Strontium-90
Concentration (pCi/L)
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

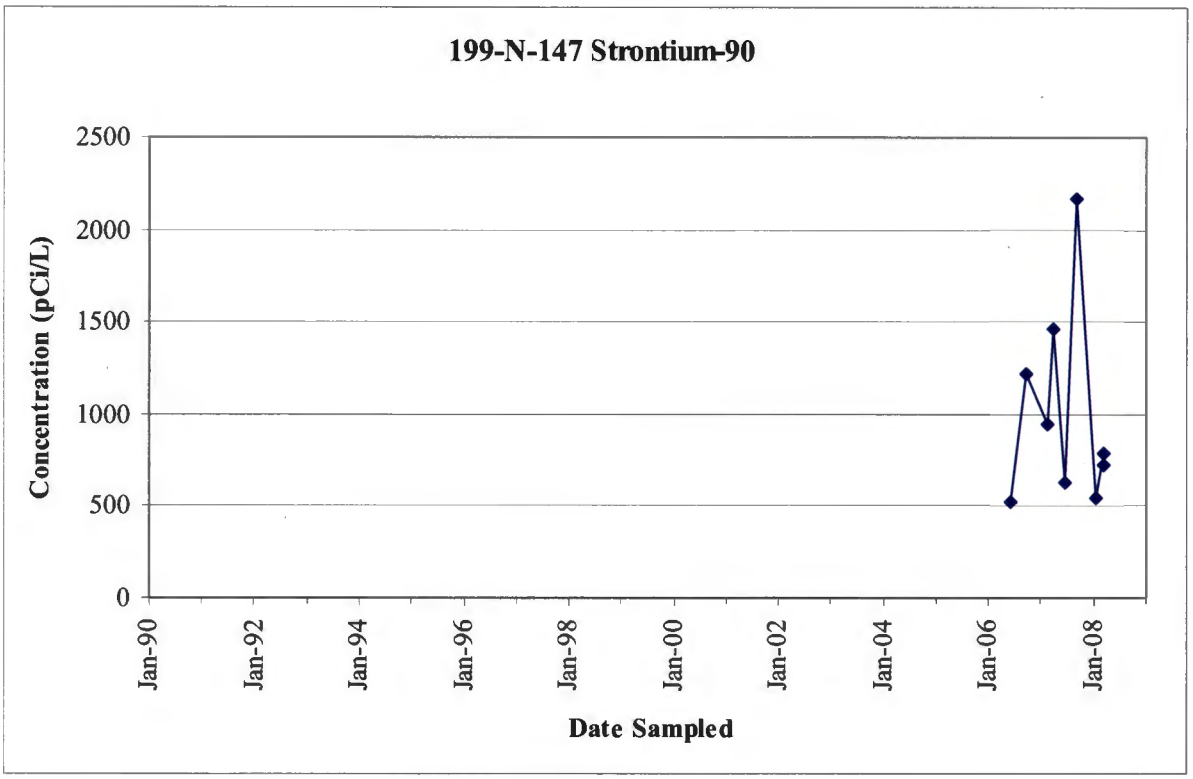

199-N-121 Strontium-90
Concentration (pCi/L)
6
5
4
3
2
1
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

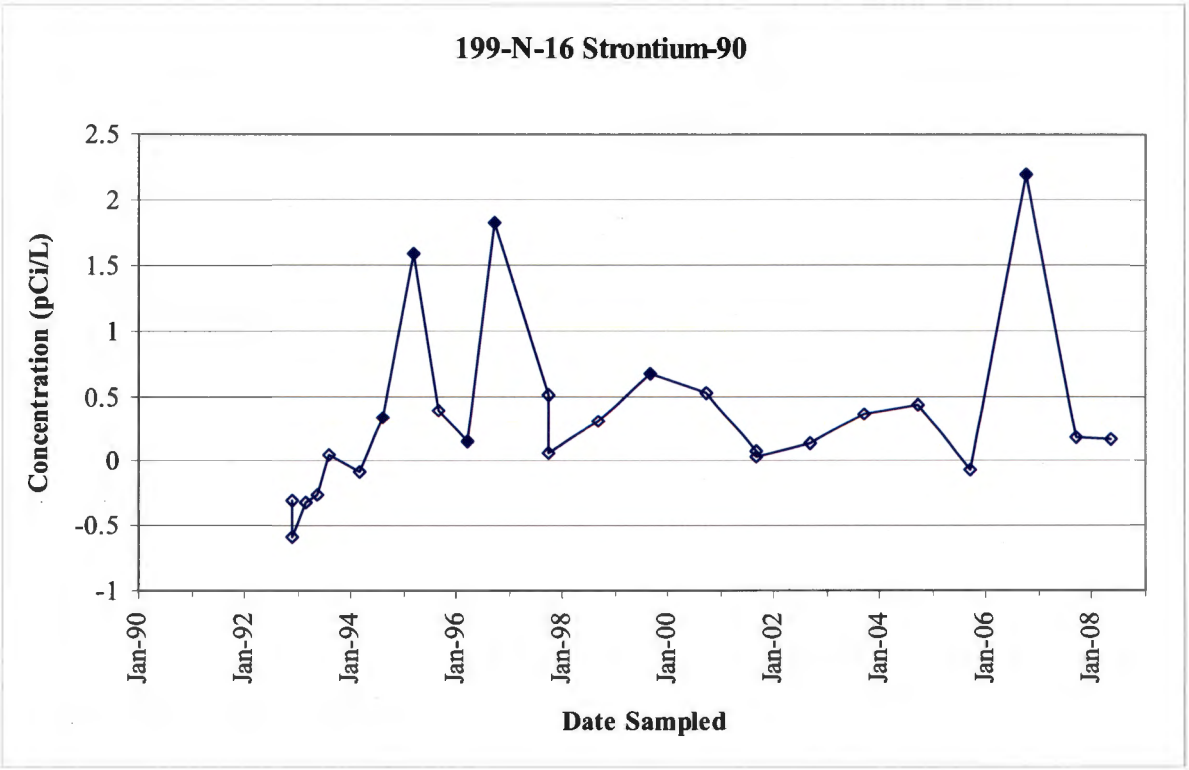

199-N-122 Strontium-90
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

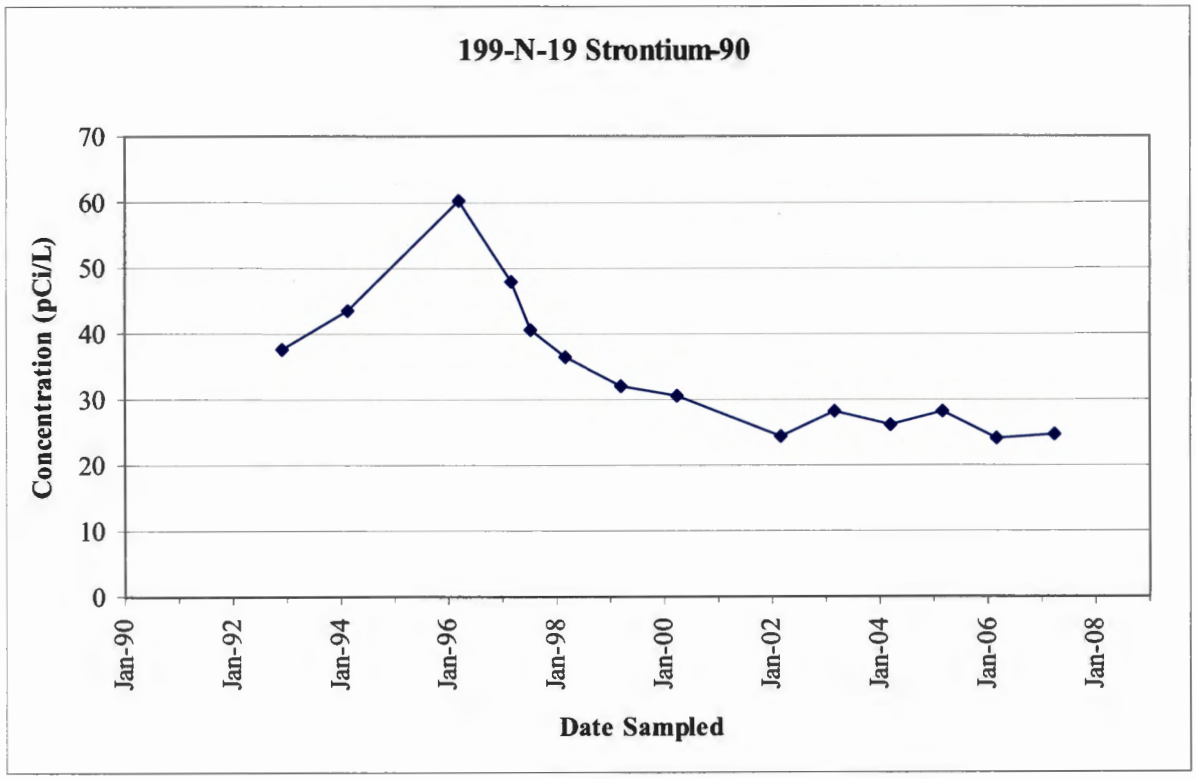

199-N-123 Strontium-90
Concentration (pCi/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

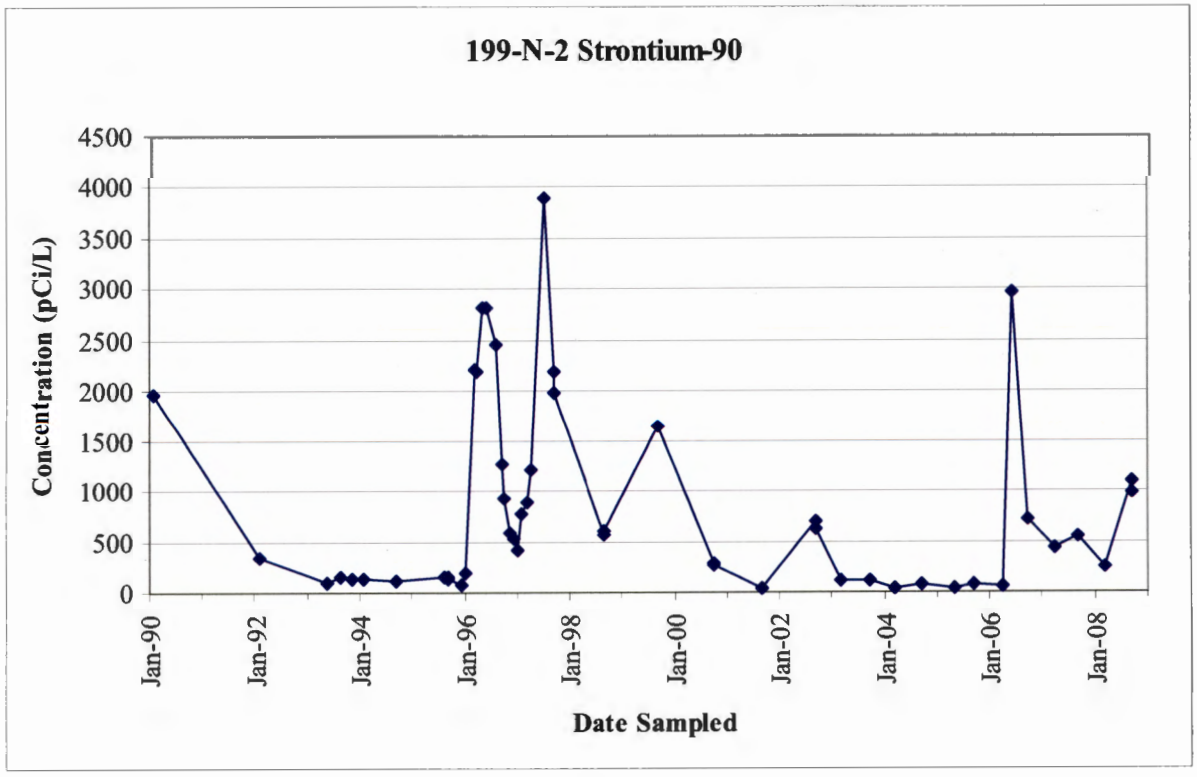

199-N-14 Strontium-90
Concentration (pCi/L)
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

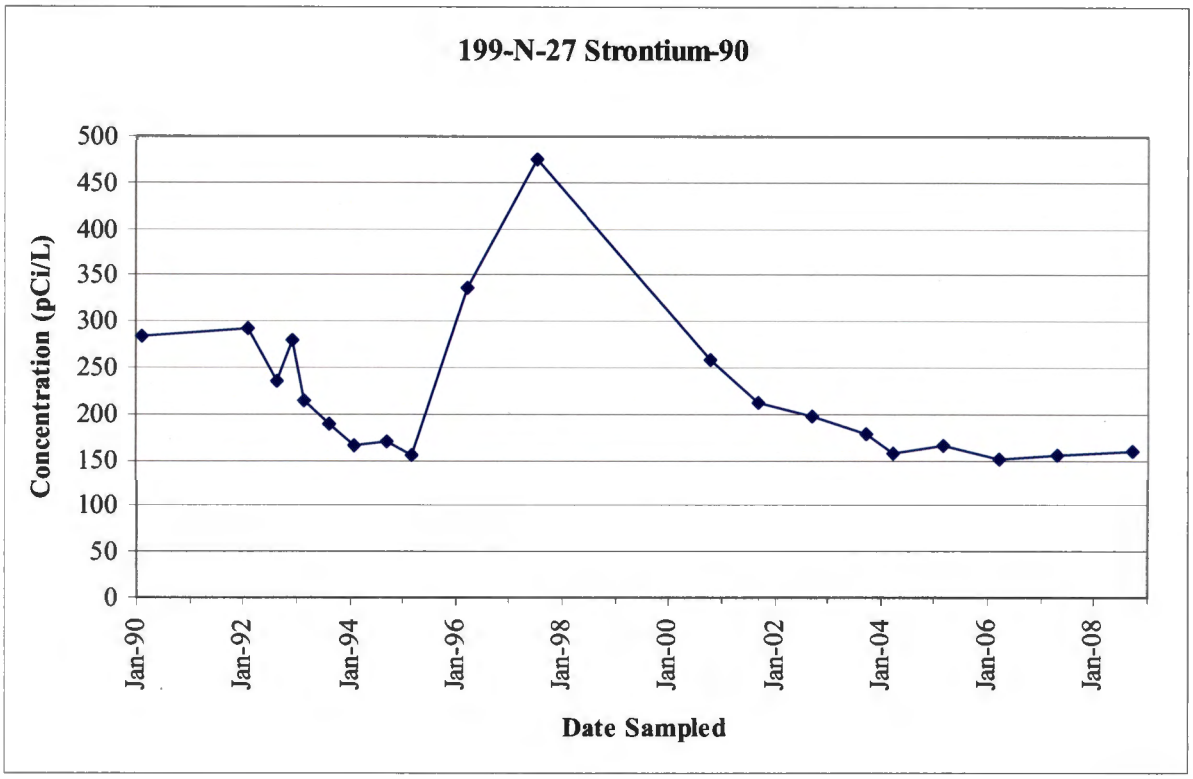

199-N-146 Strontium-90
Concentration (pCi/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

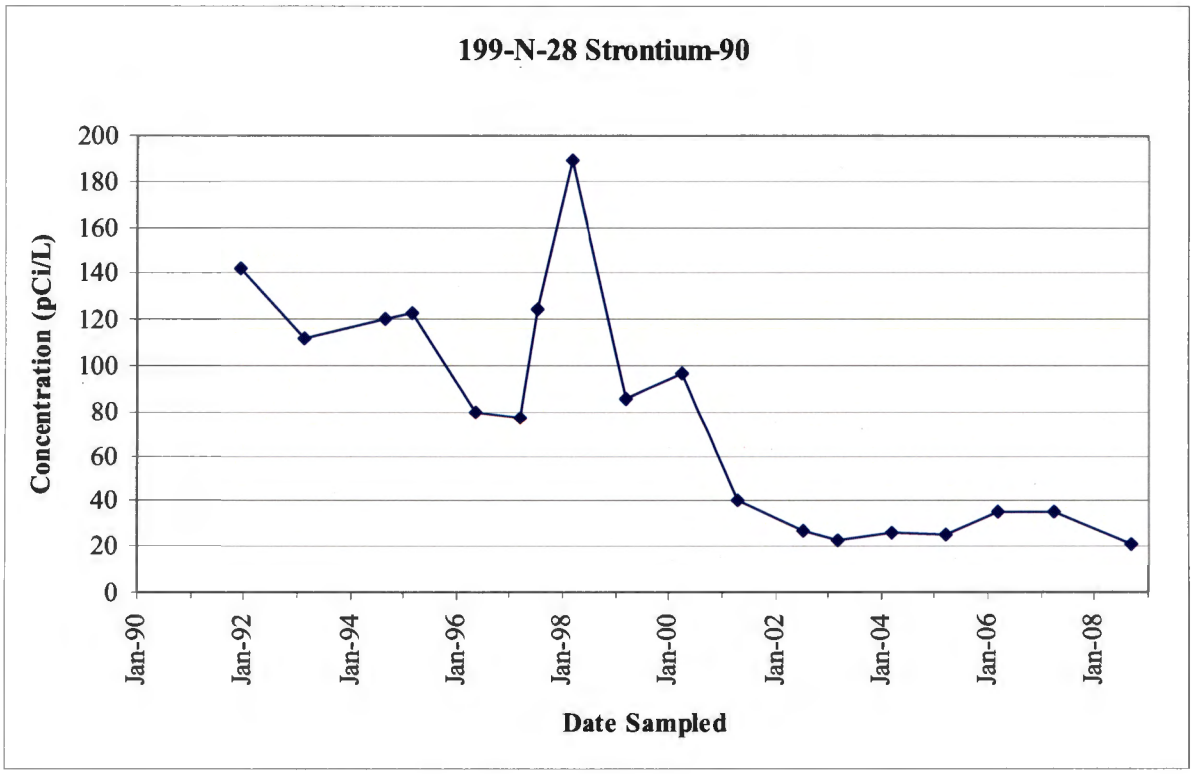

199-N-147 Strontium-90
Concentration (pCi/L)
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

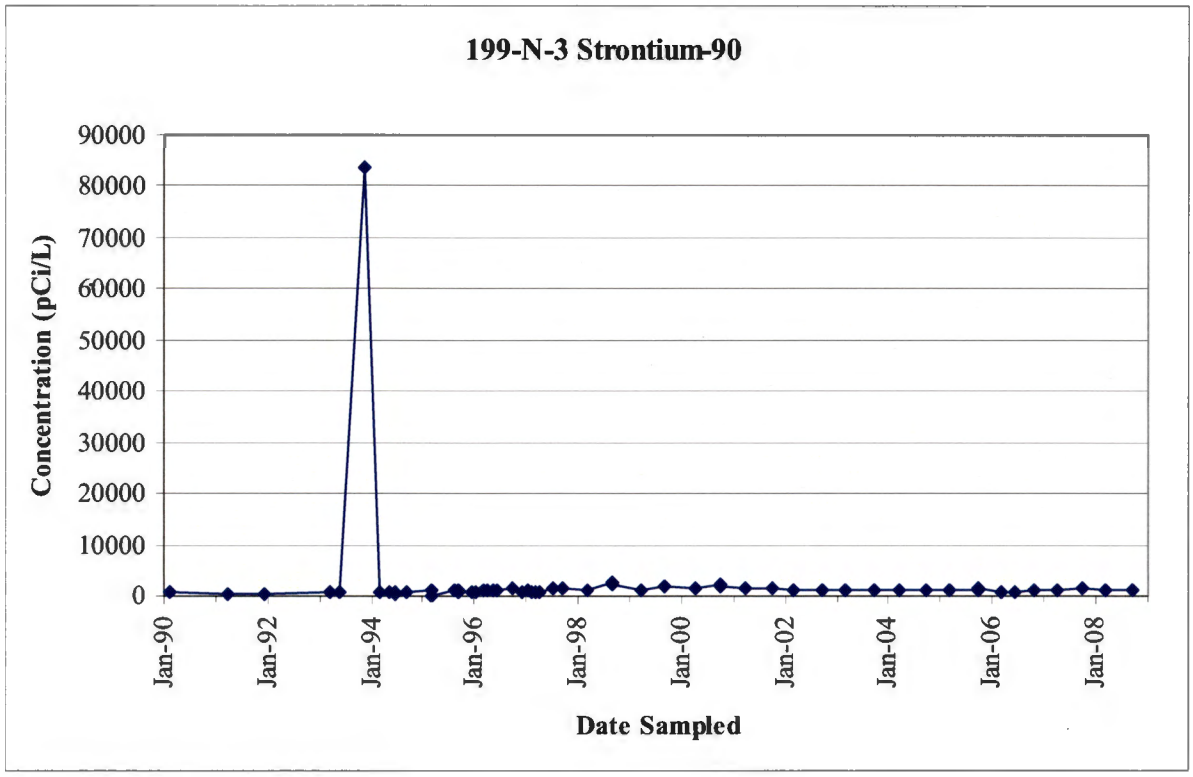

199-N-16 Strontium-90
Concentration (pCi/L)
2.5
2
1.5
1
0.5
0
-0.5
-1
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

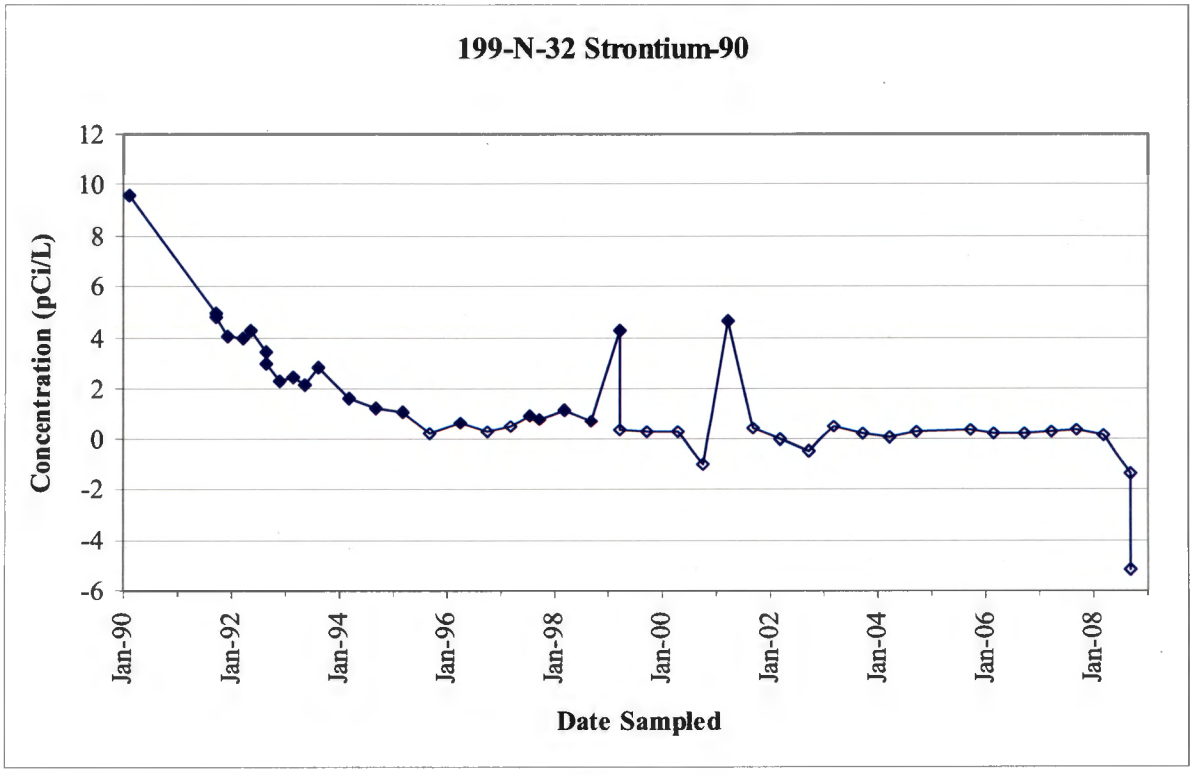

199-N-19 Strontium-90
Concentration (pCi/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

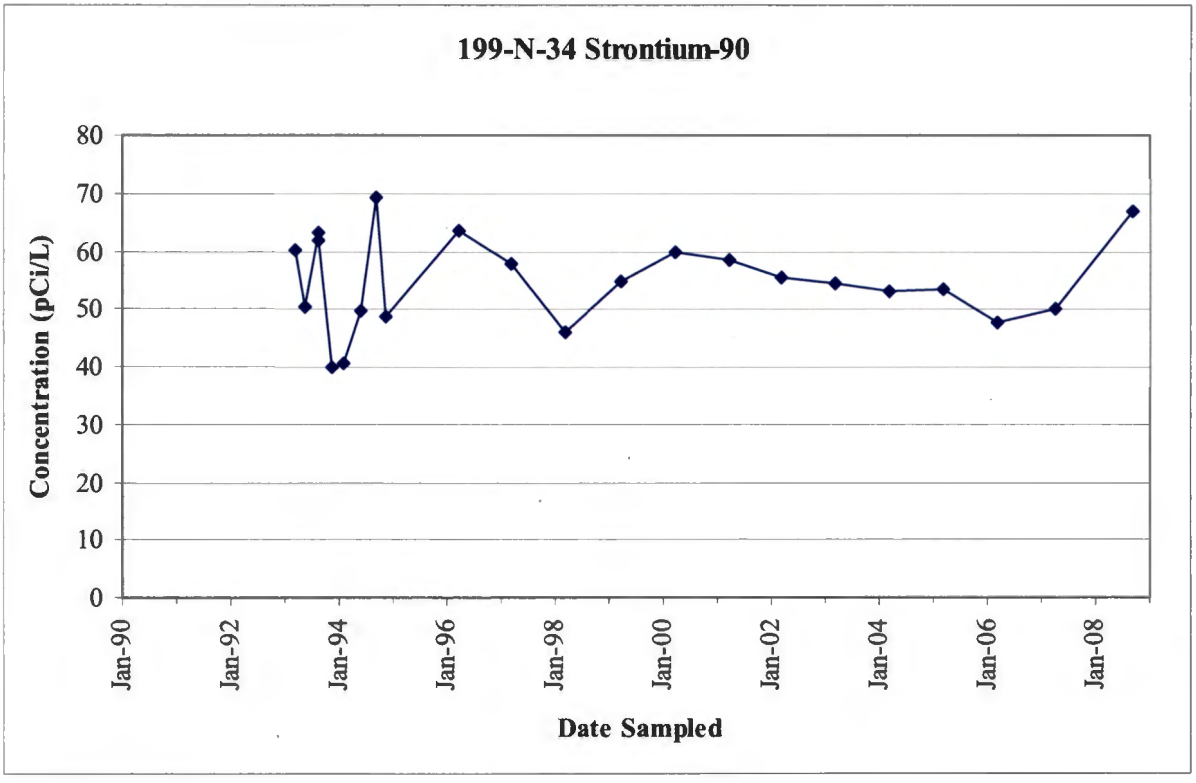

199-N-2 Strontium-90
Concentration (pCi/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

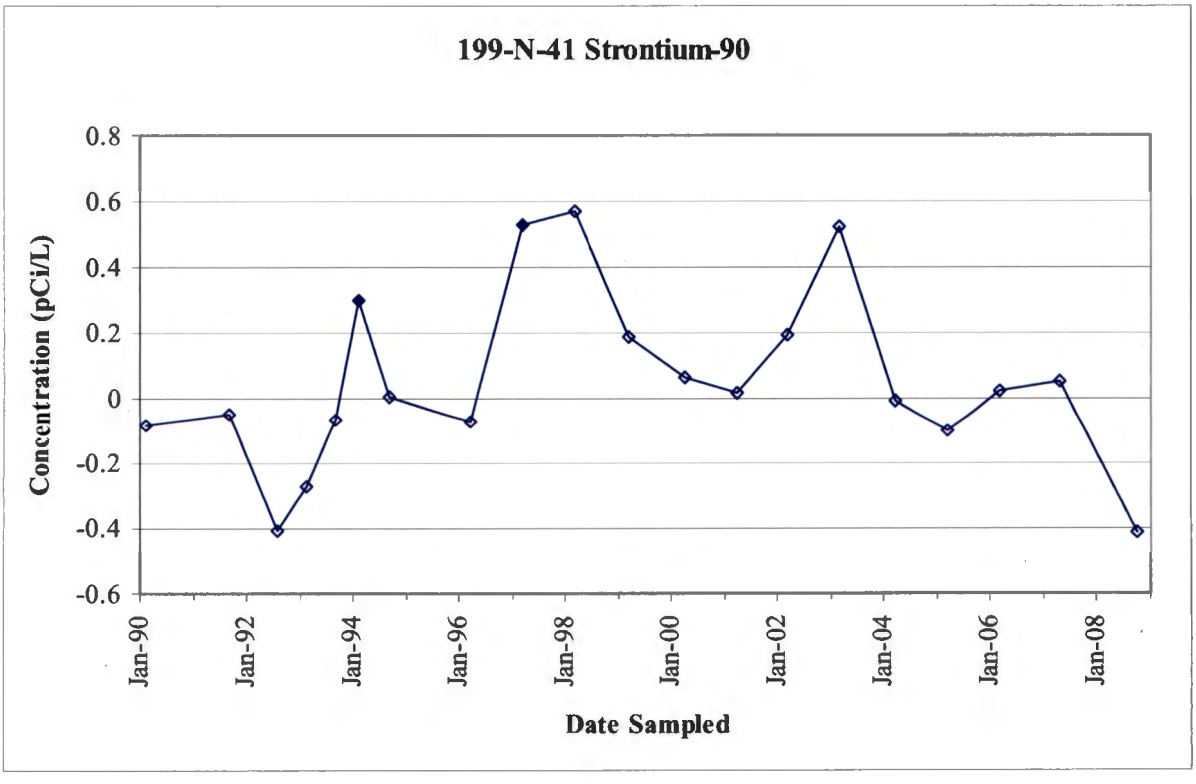

199-N-27 Strontium-90
Concentration (pCi/L)
500
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

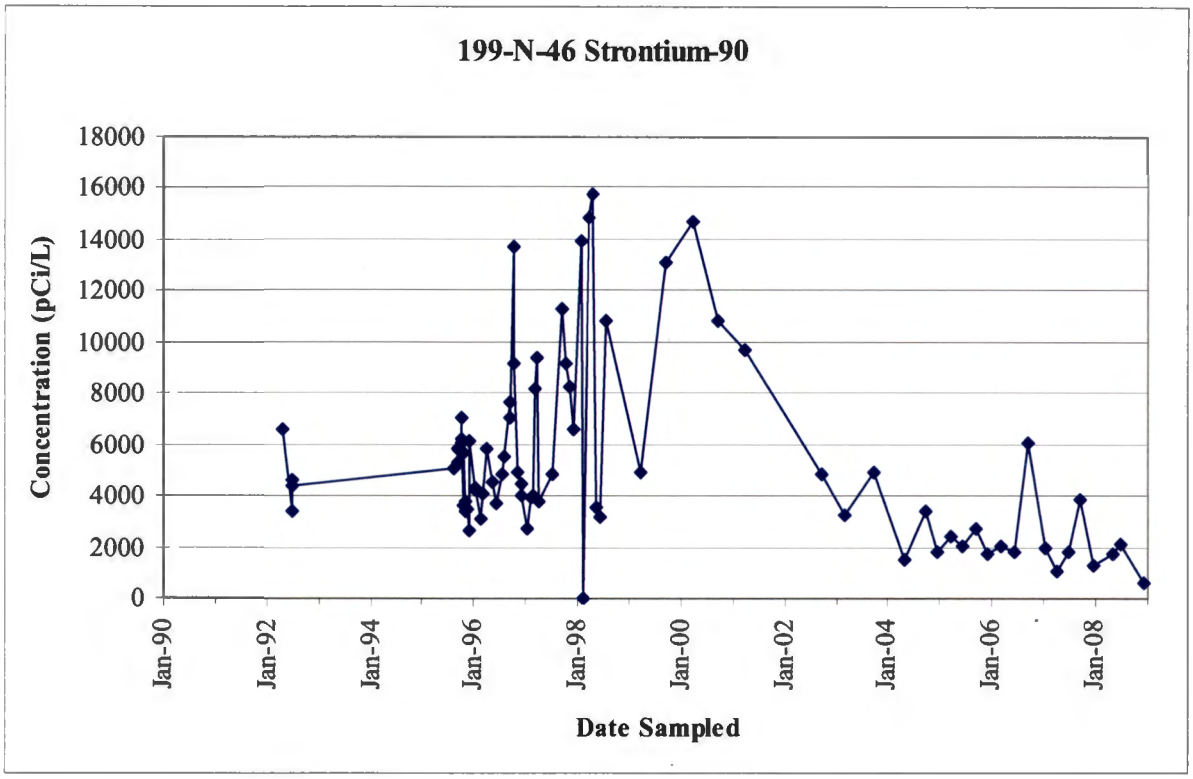

199-N-28 Strontium-90
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

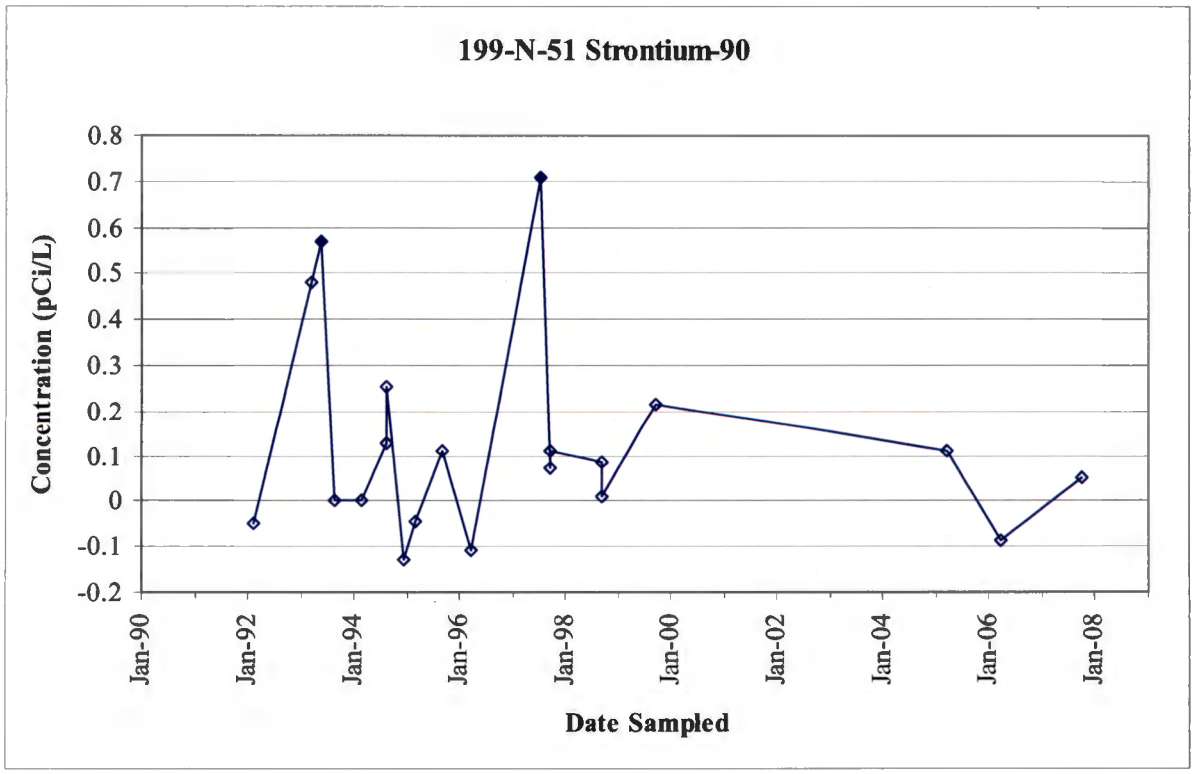

199-N-3 Strontium-90
Concentration (pCi/L)
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

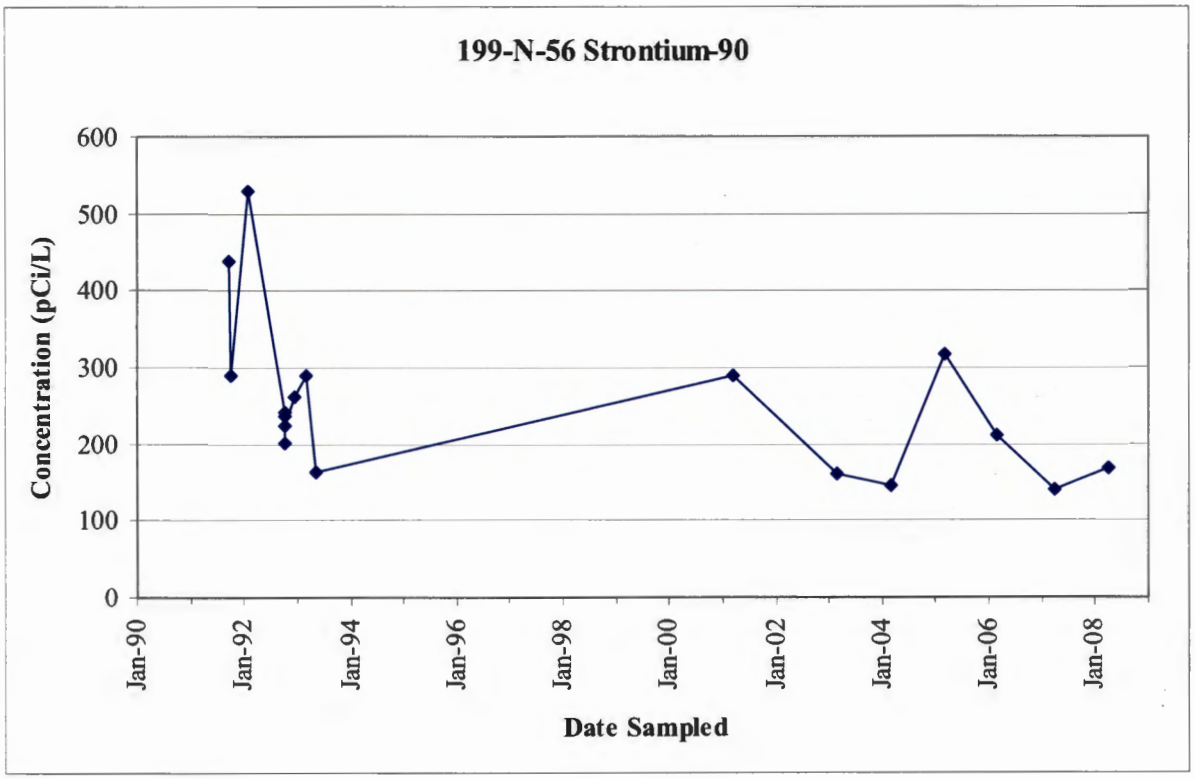

199-N-32 Strontium-90
Concentration (pCi/L)
12
10
8
6
4
2
0
-2
-4
-6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

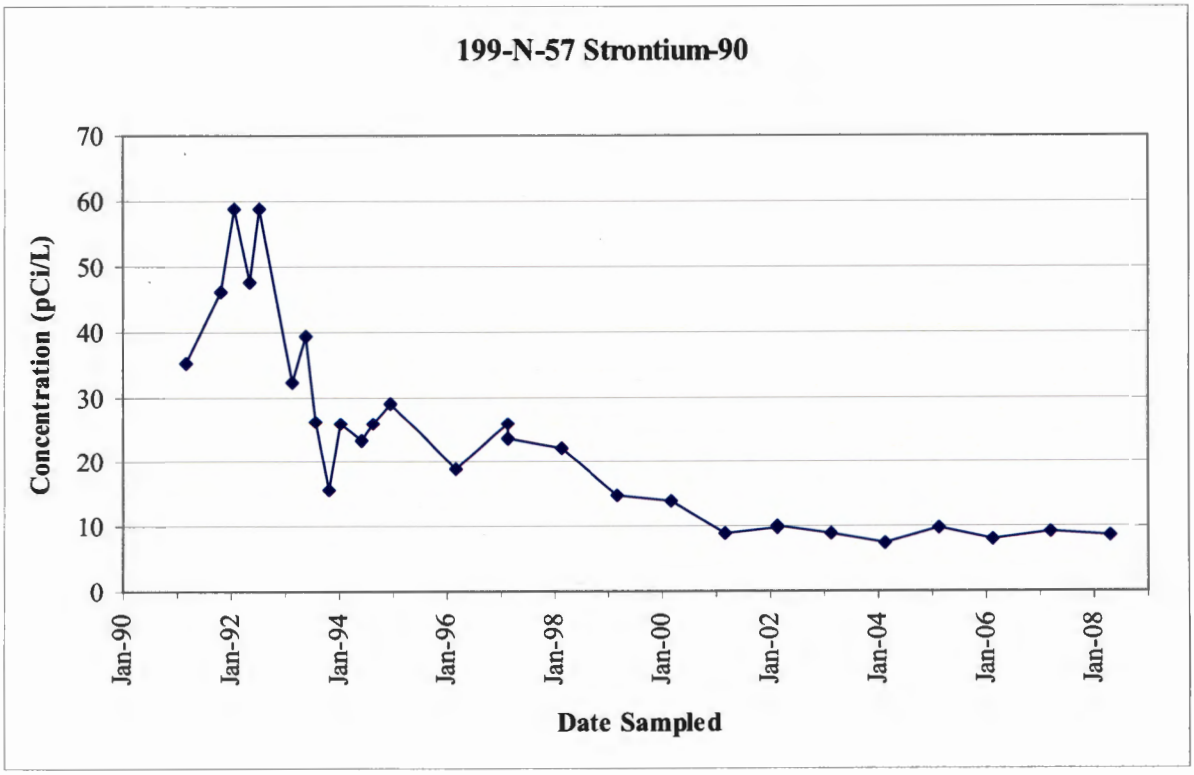

199-N-34 Strontium-90
Concentration (pCi/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

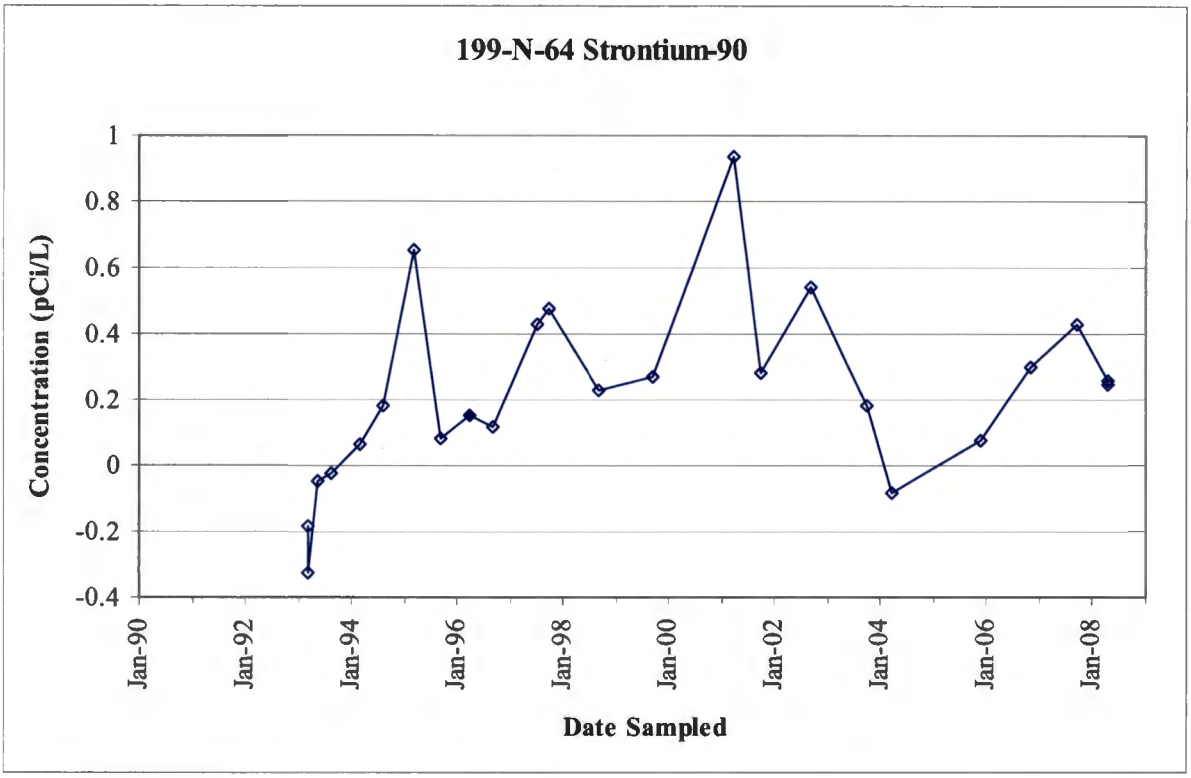

199-N-41 Strontium-90
Concentration (pCi/L)
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

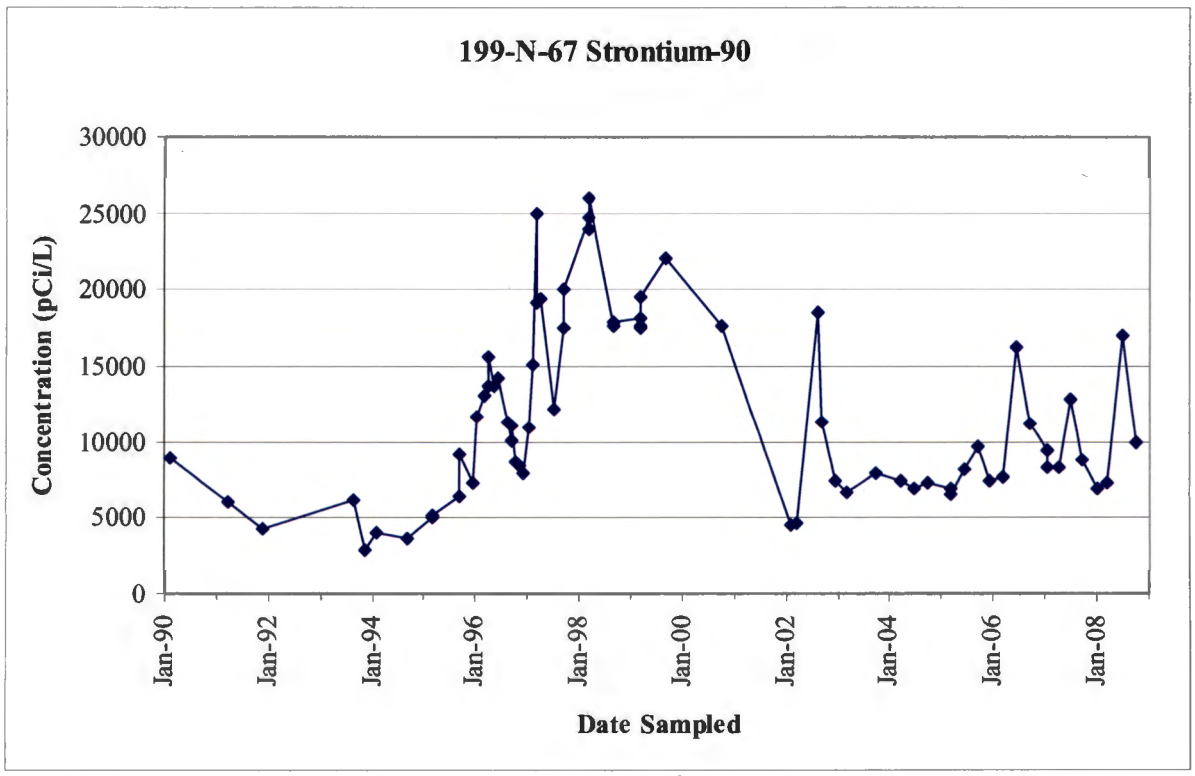

199-N-46 Strontium-90
Concentration (pCi/L)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

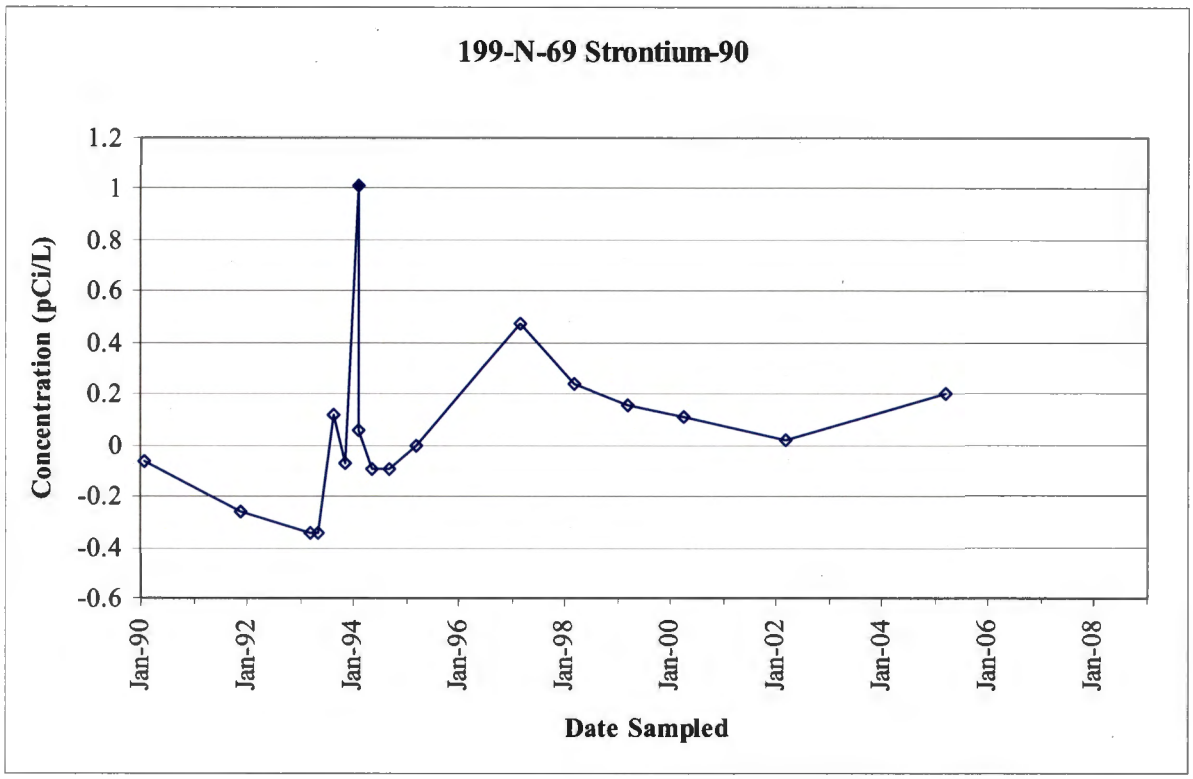

199-N-51 Strontium-90
Concentration (pCi/L)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

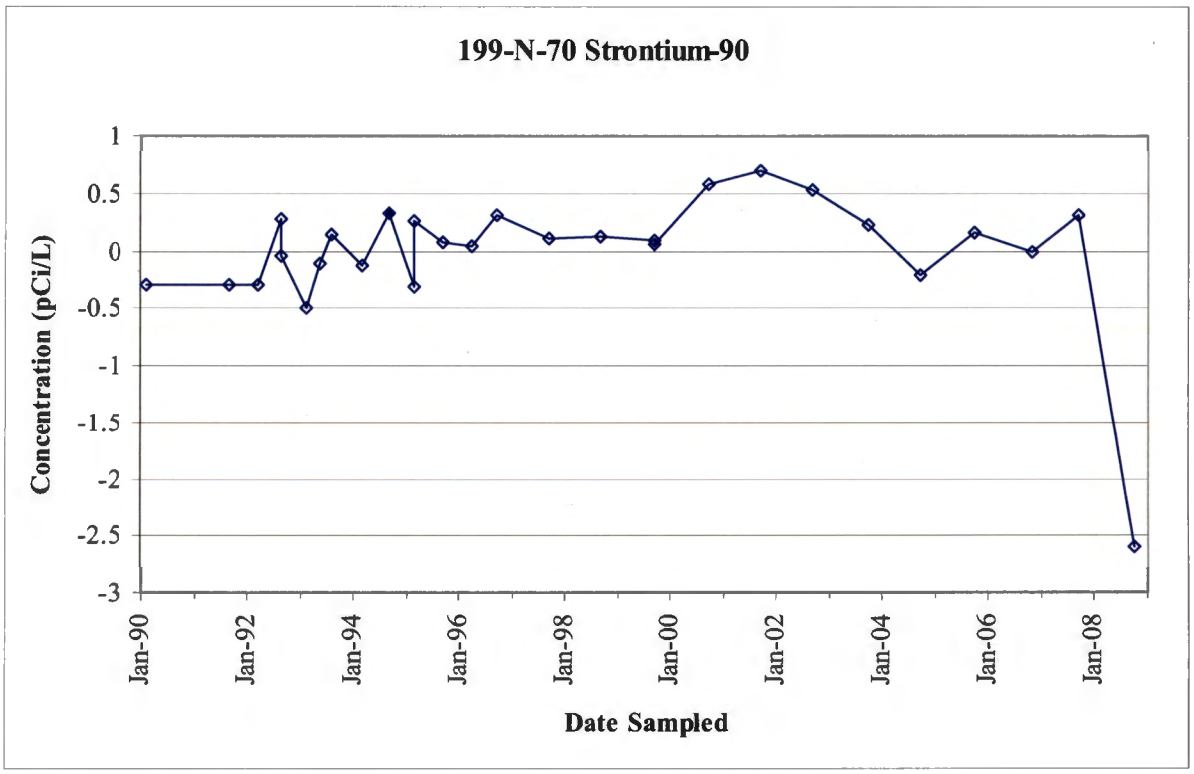

199-N-56 Strontium-90
Concentration (pCi/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

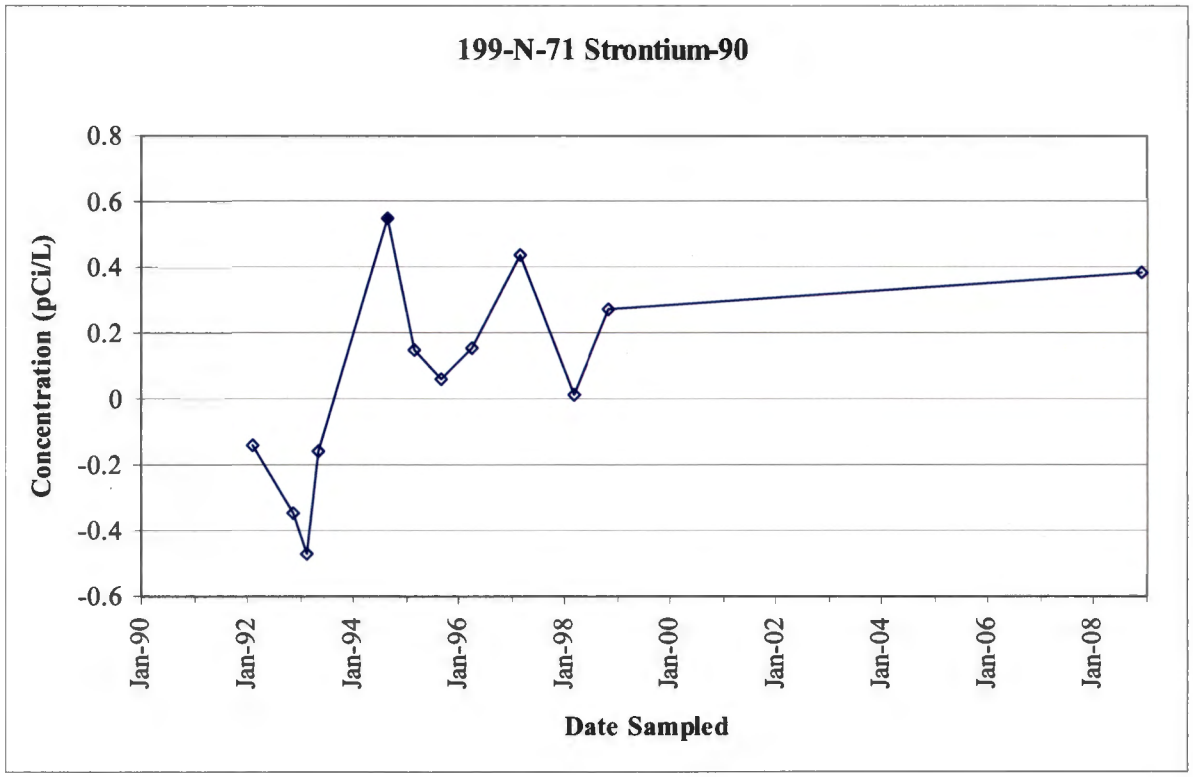

199-N-57 Strontium-90
Concentration (pCi/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

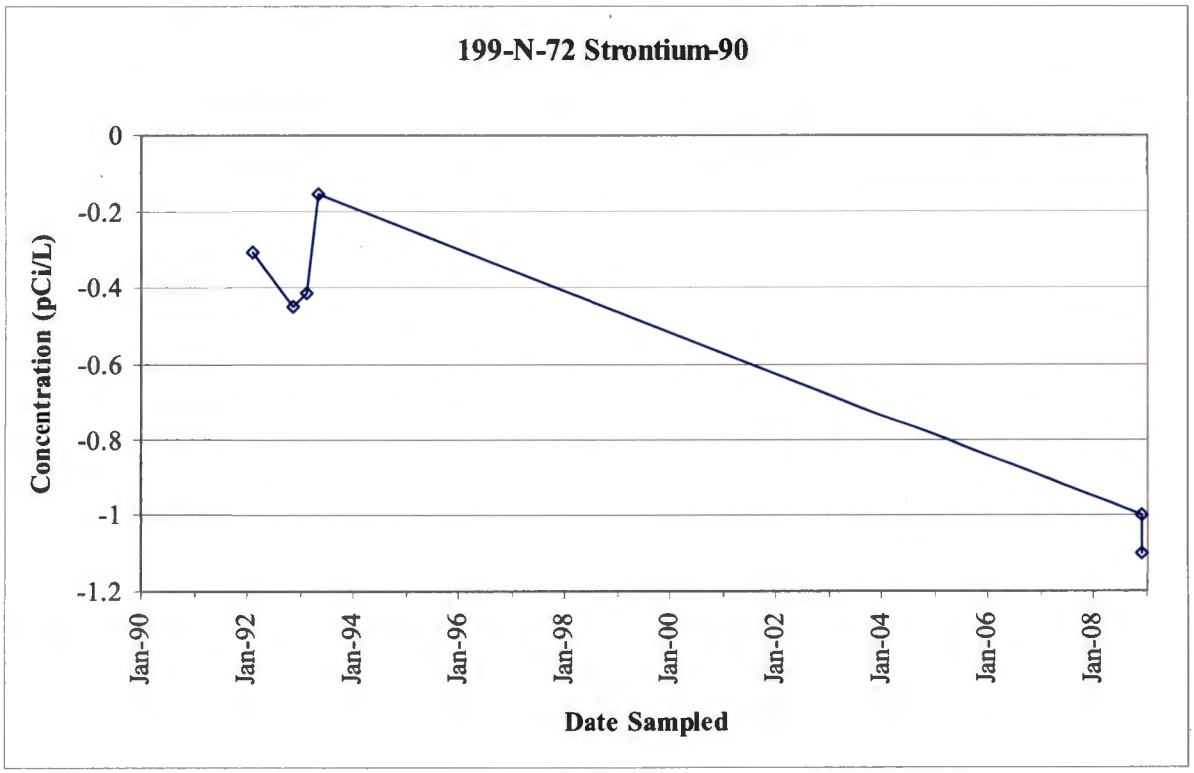

199-N-64 Strontium-90
Concentration (pCi/L)
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

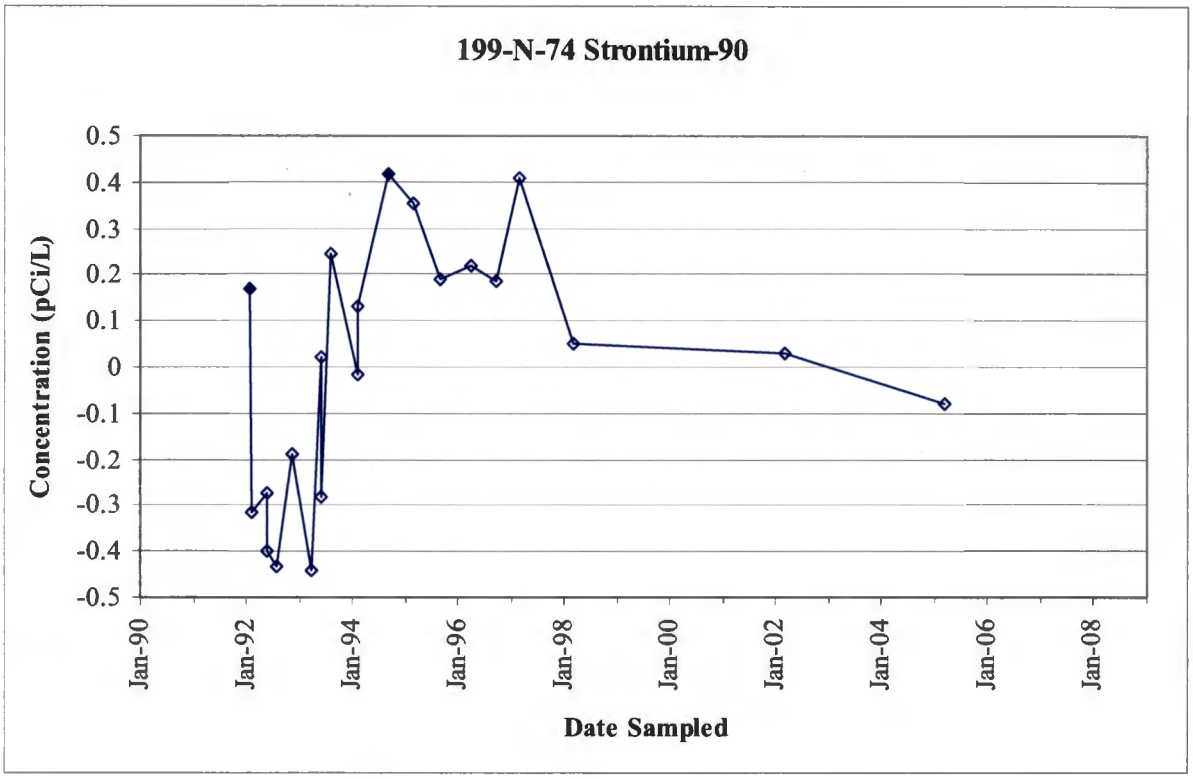

199-N-67 Strontium-90
Concentration (pCi/L)
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

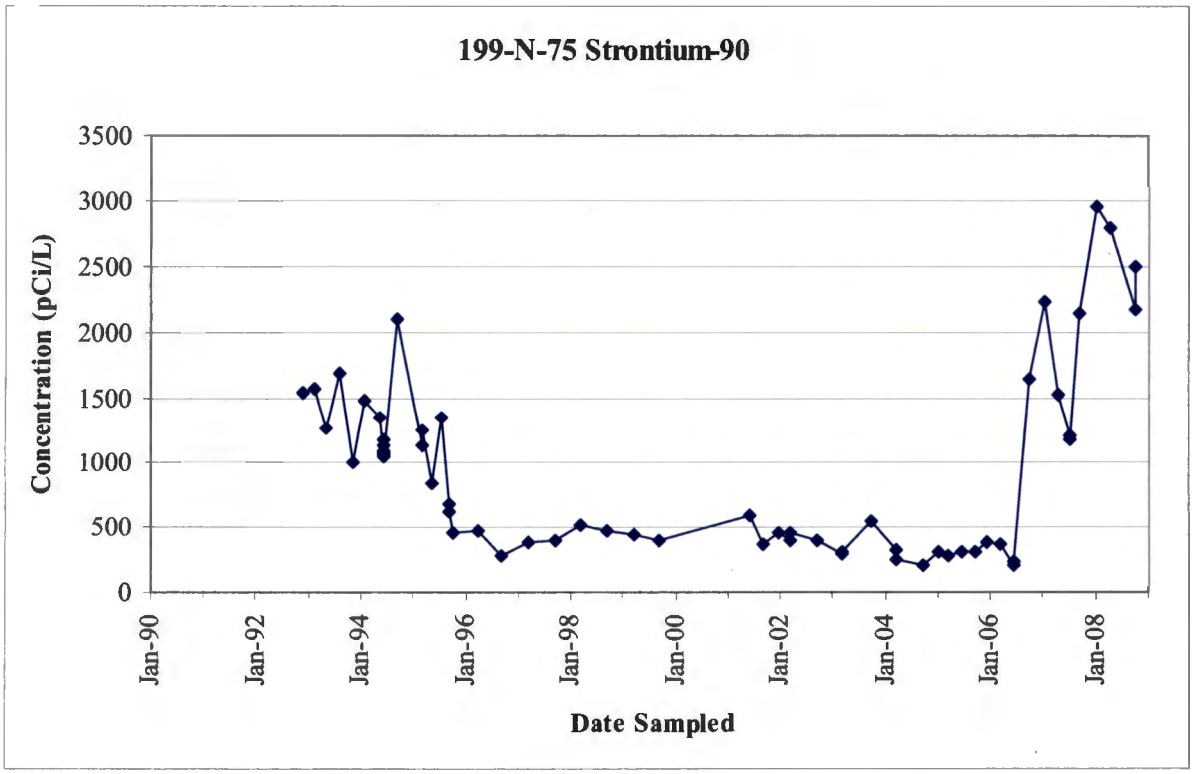

199-N-69 Strontium-90
Concentration (pCi/L)
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

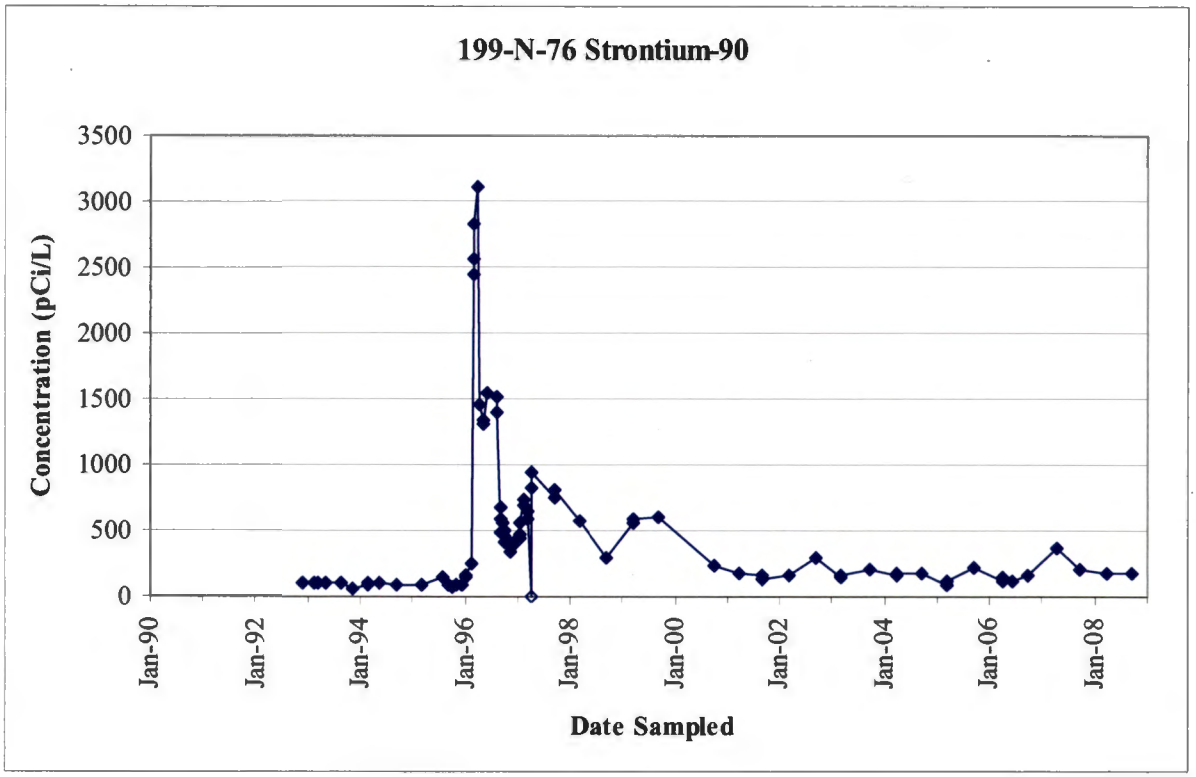

199-N-70 Strontium-90
Concentration (pCi/L)
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

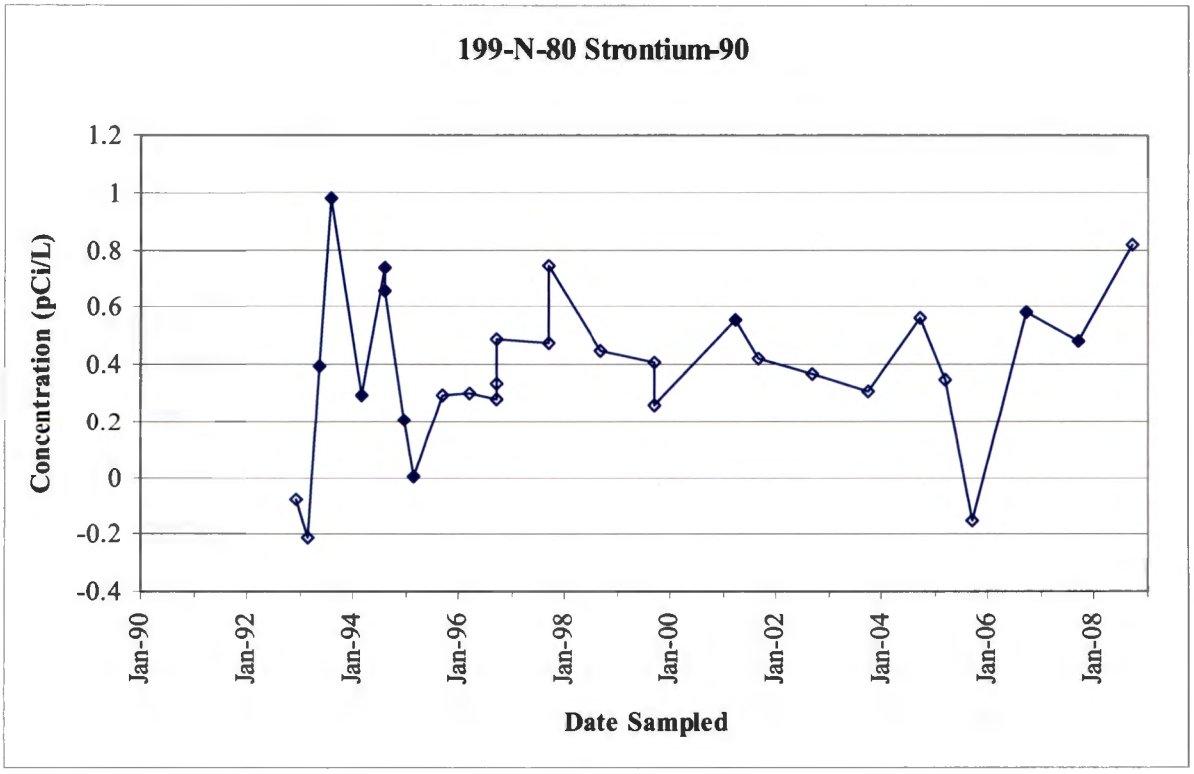

199-N-71 Strontium-90
Concentration (pCi/L)
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

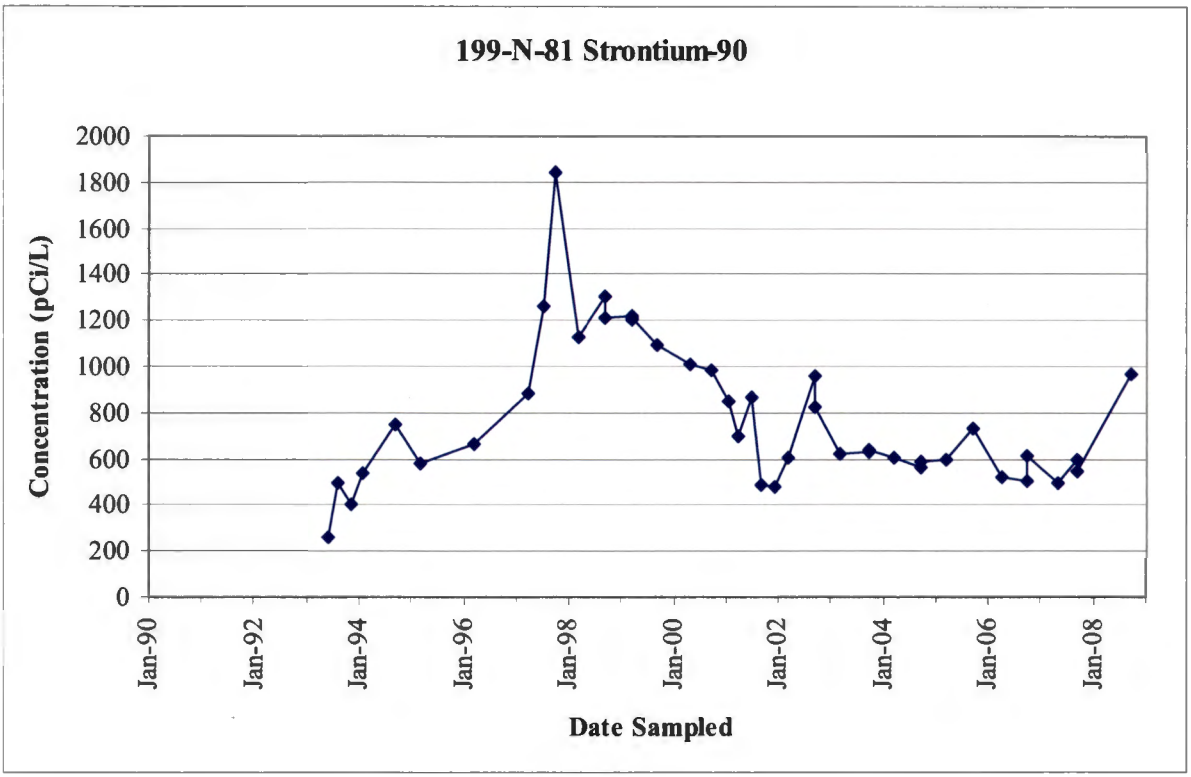

199-N-72 Strontium-90
Concentration (pCi/L)
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

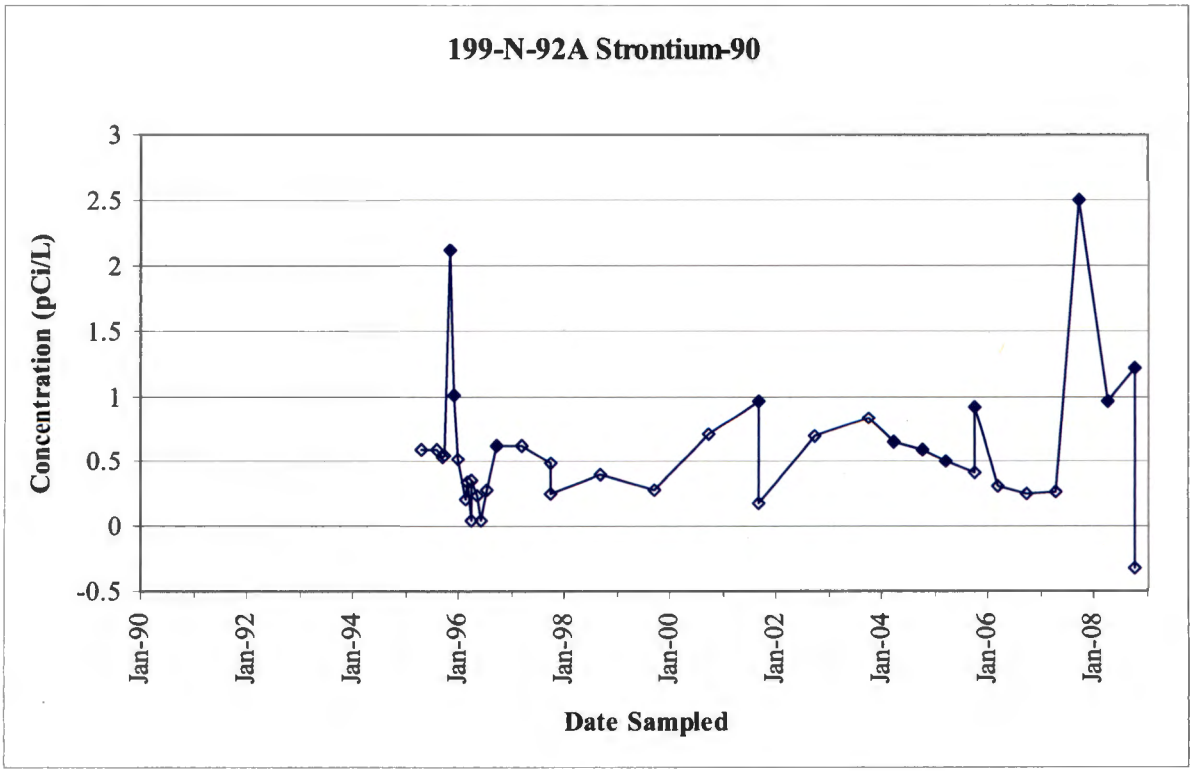

199-N-74 Strontium-90
Concentration (pCi/L)
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

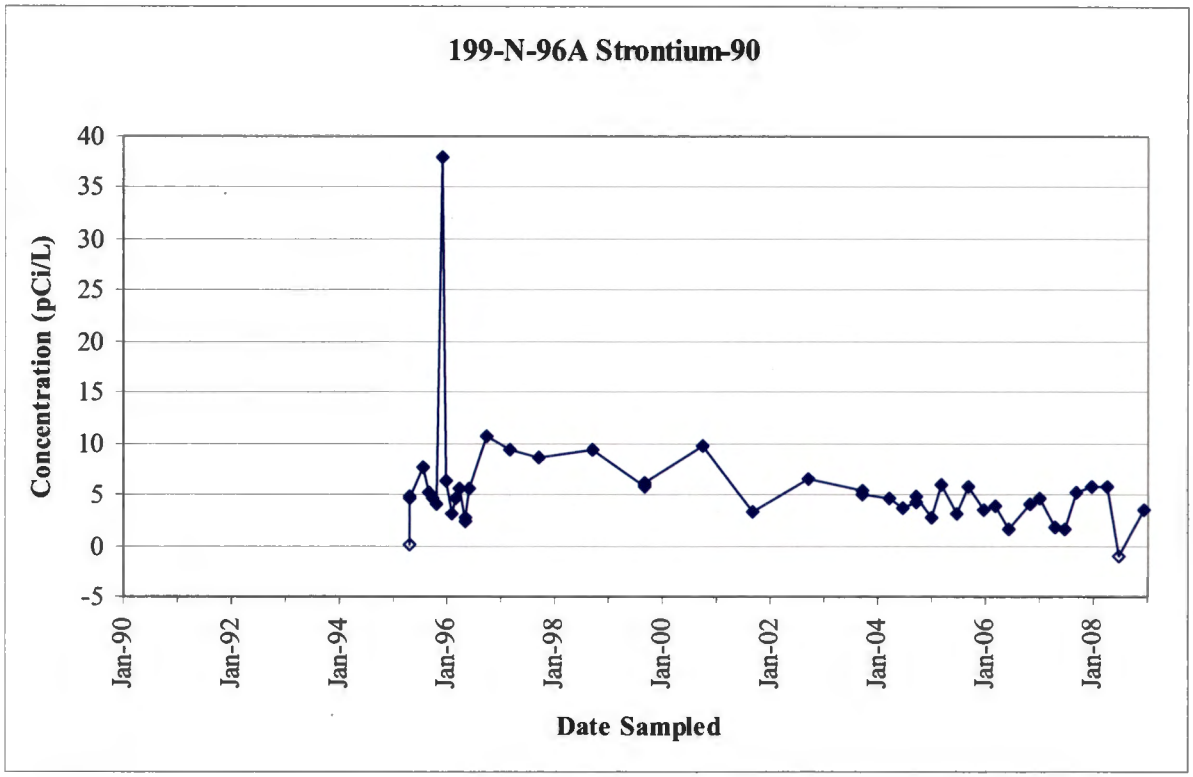

199-N-75 Strontium-90
Concentration (pCi/L)
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

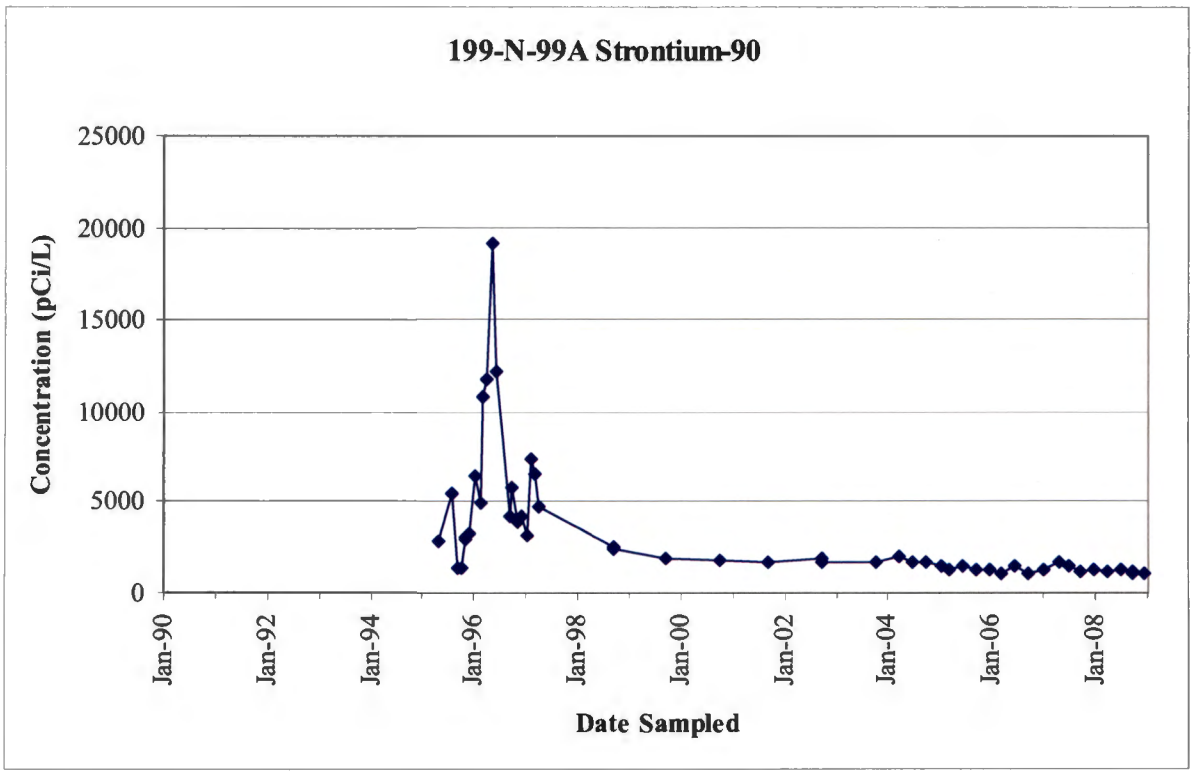

199-N-76 Strontium-90
Concentration (pCi/L)
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

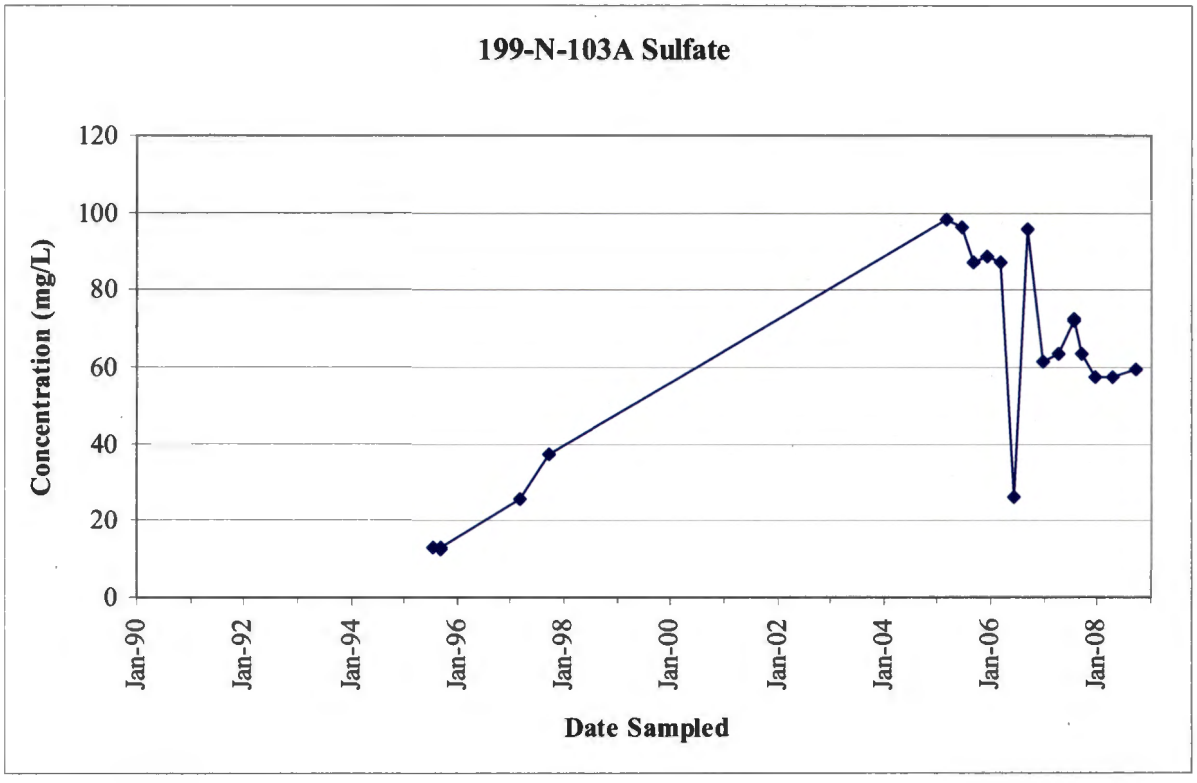

199-N-80 Strontium-90
Concentration (pCi/L)
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

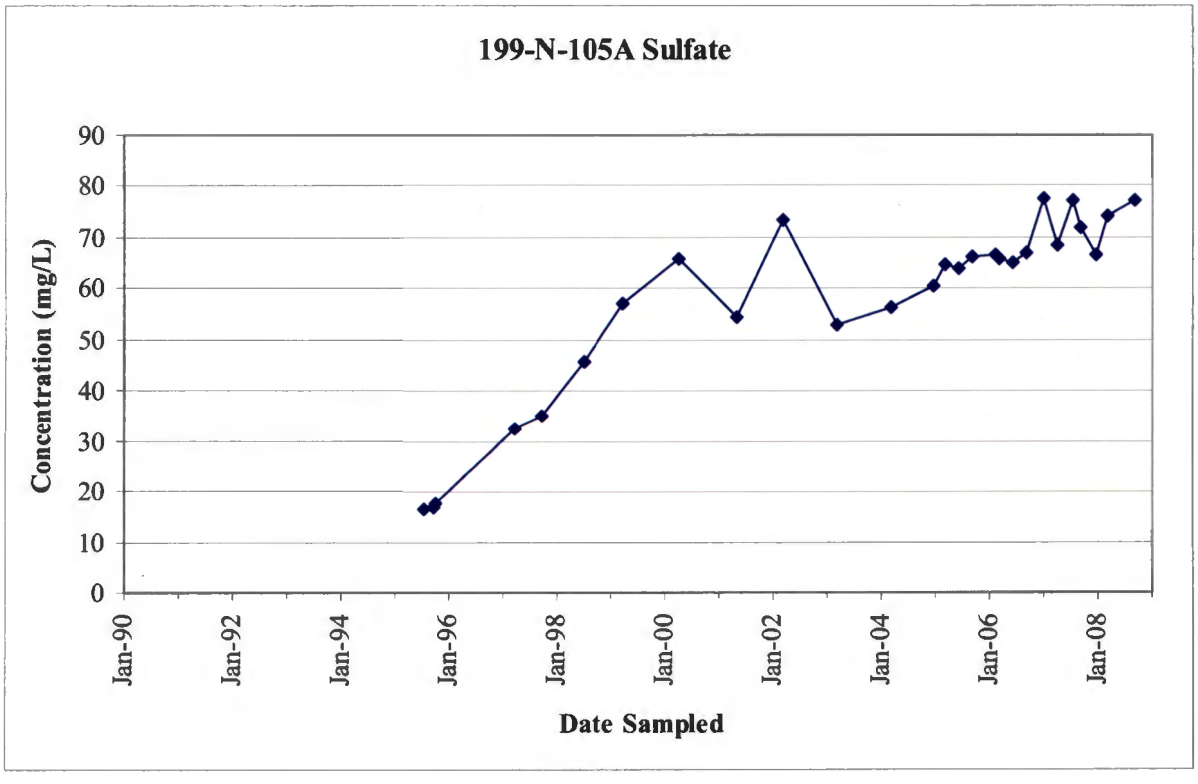

199-N-81 Strontium-90
Concentration (pCi/L)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

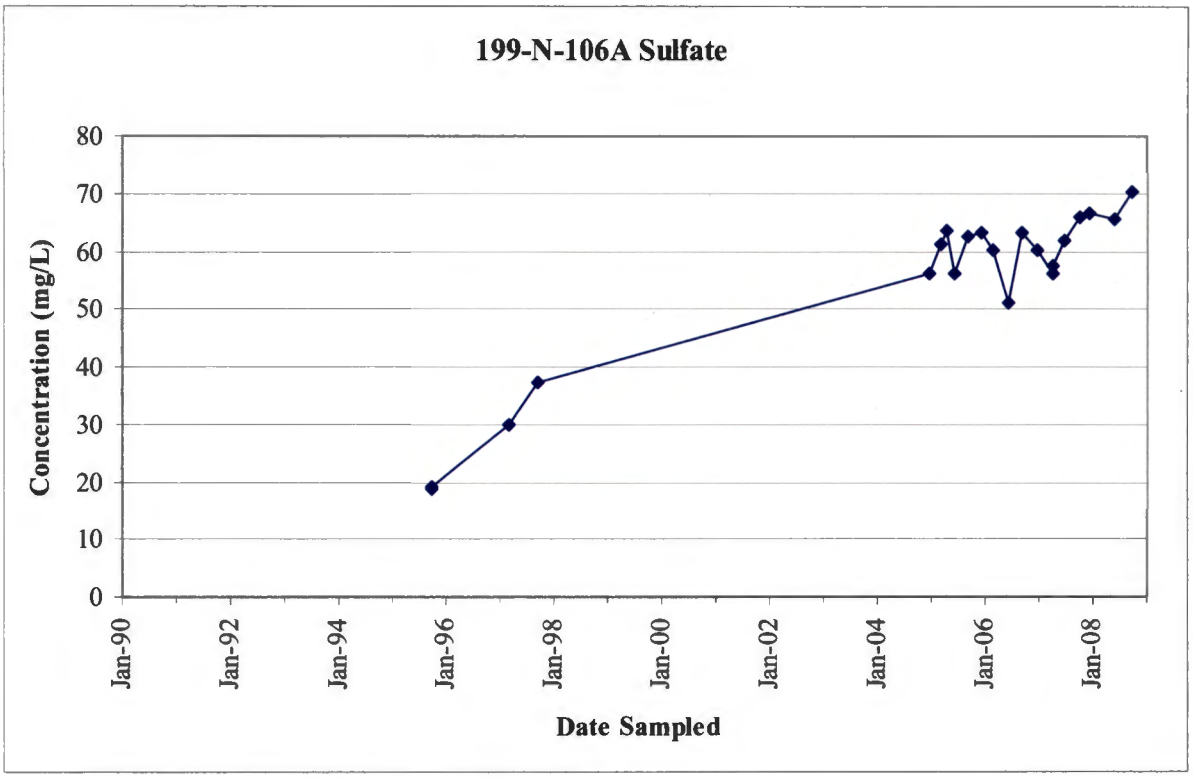

199-N-92A Strontium-90
Concentration (pCi/L)
3
2.5
2
1.5
1
0.5
0
-0.5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

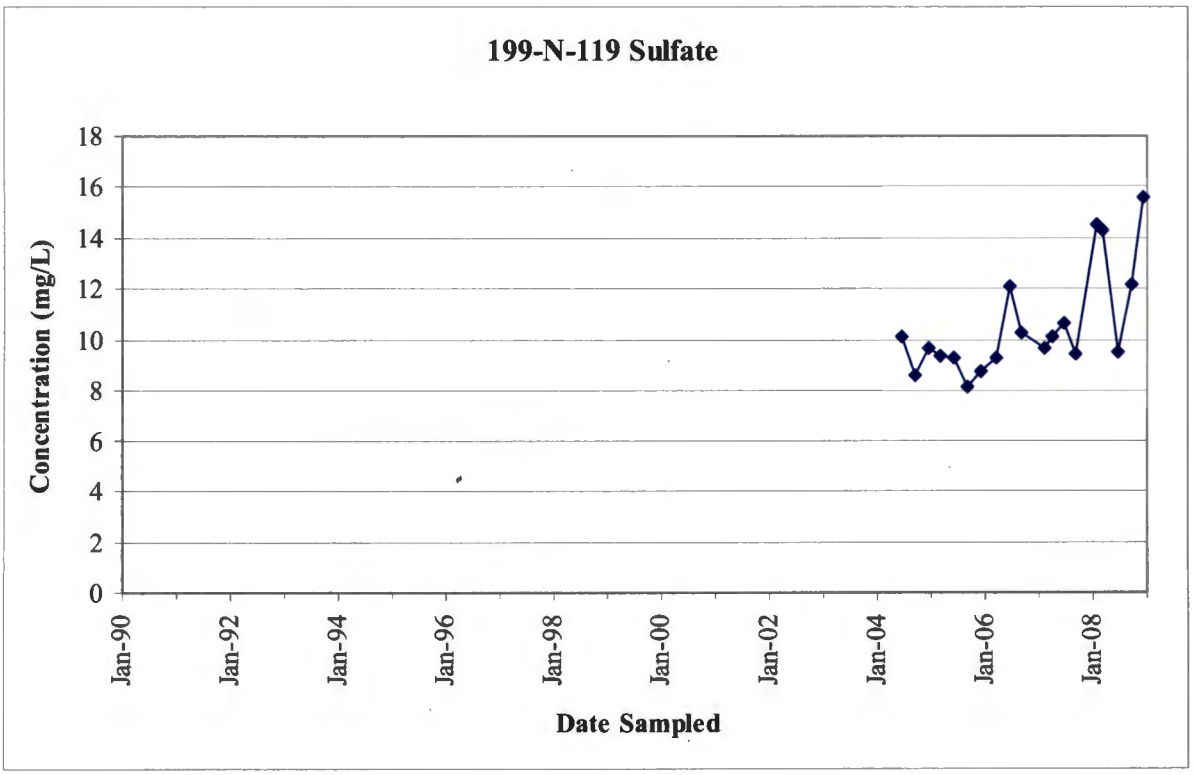

199-N-96A Strontium-90
Concentration (pCi/L)
40
35
30
25
20
15
10
5
0
-5
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

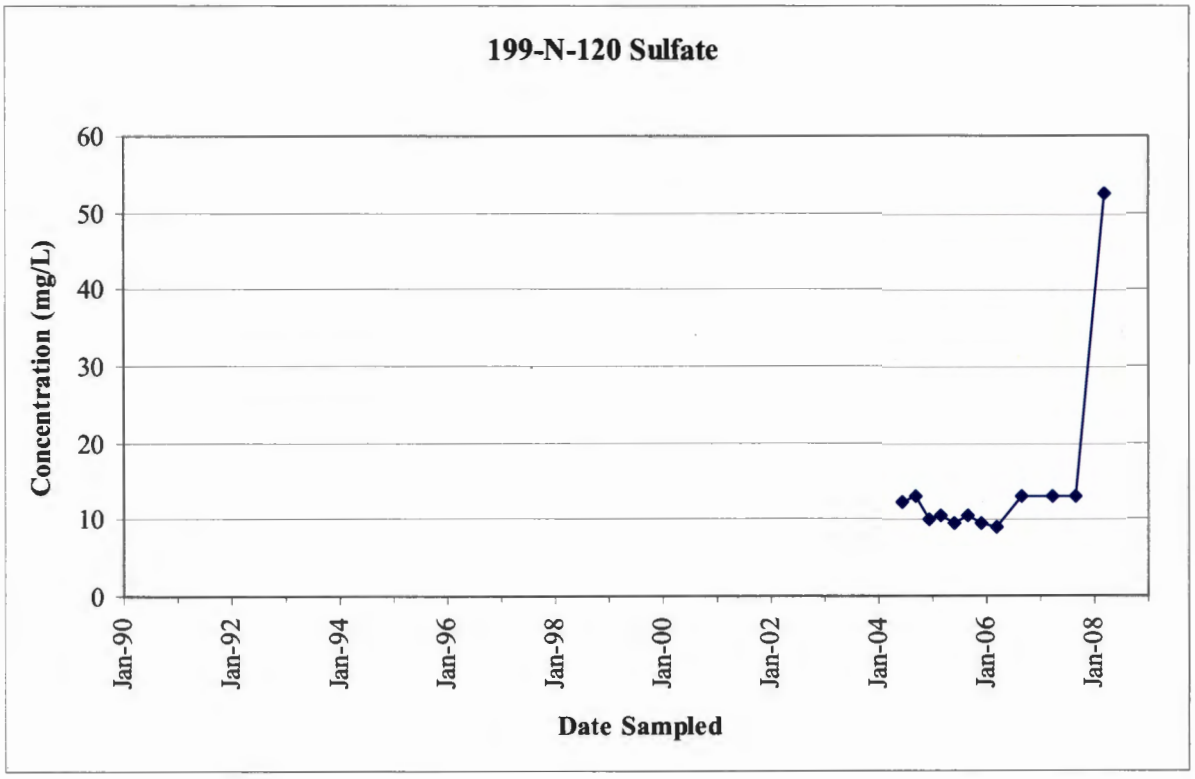

199-N-99A Strontium-90
Concentration (pCi/L)
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

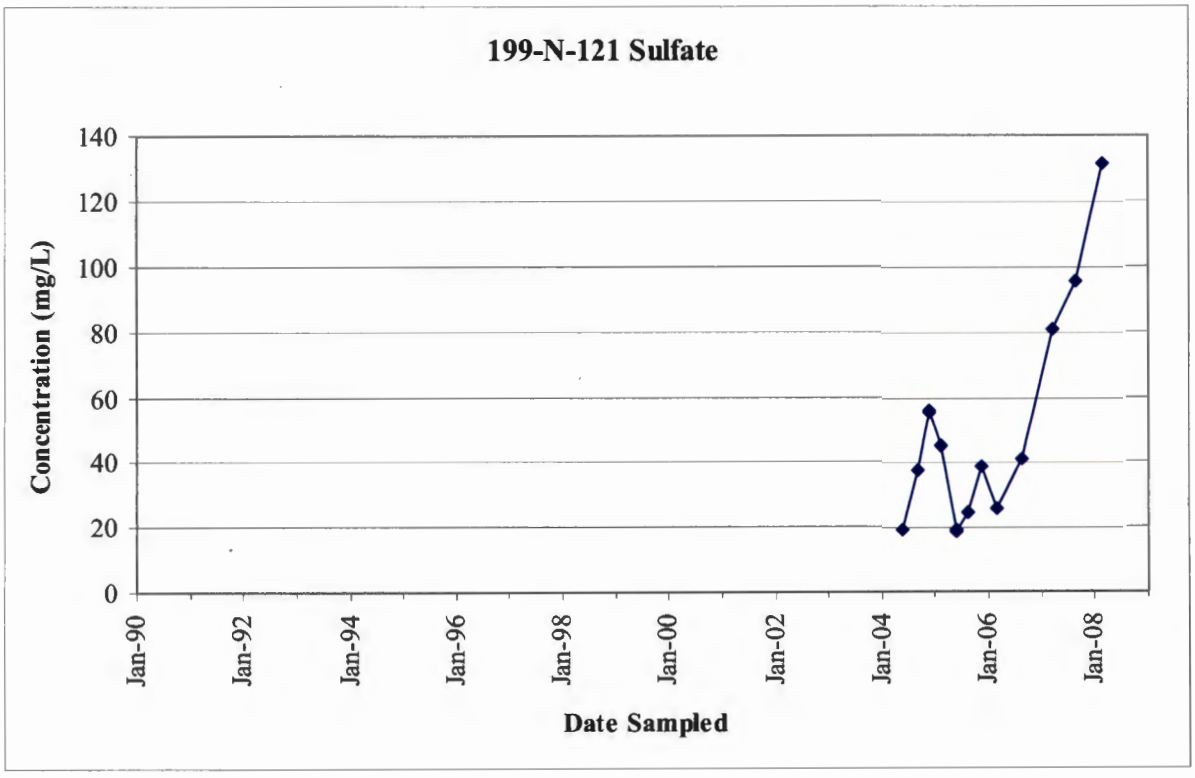

199-N-103A Sulfate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

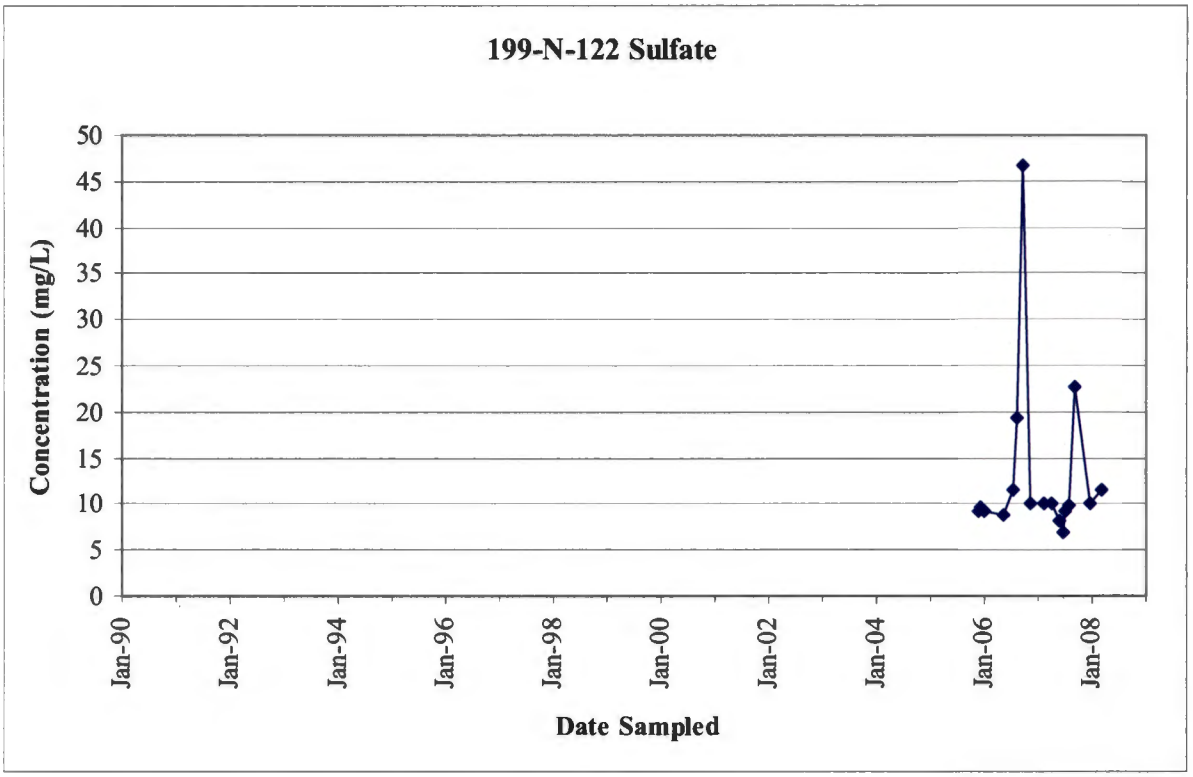

199-N-105A Sulfate
Concentration (mg/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

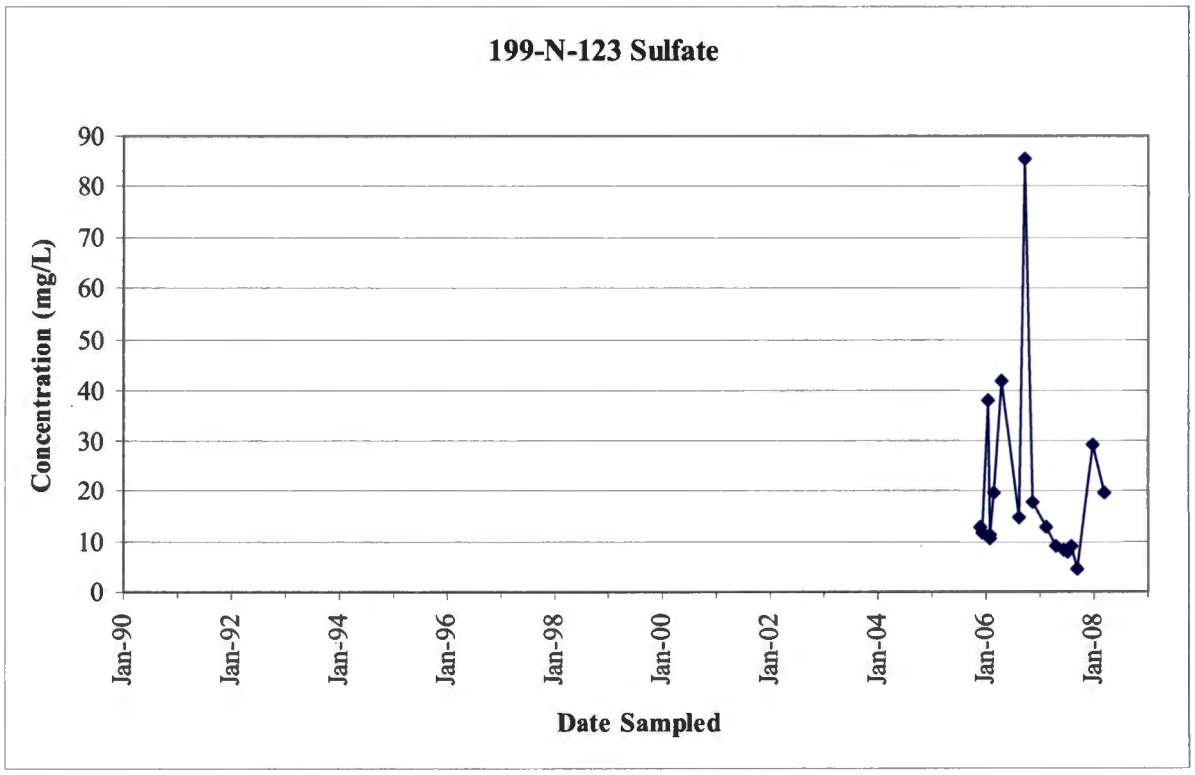

199-N-106A Sulfate
Concentration (mg/L)
0
10
20
30
40
50
60
70
80
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

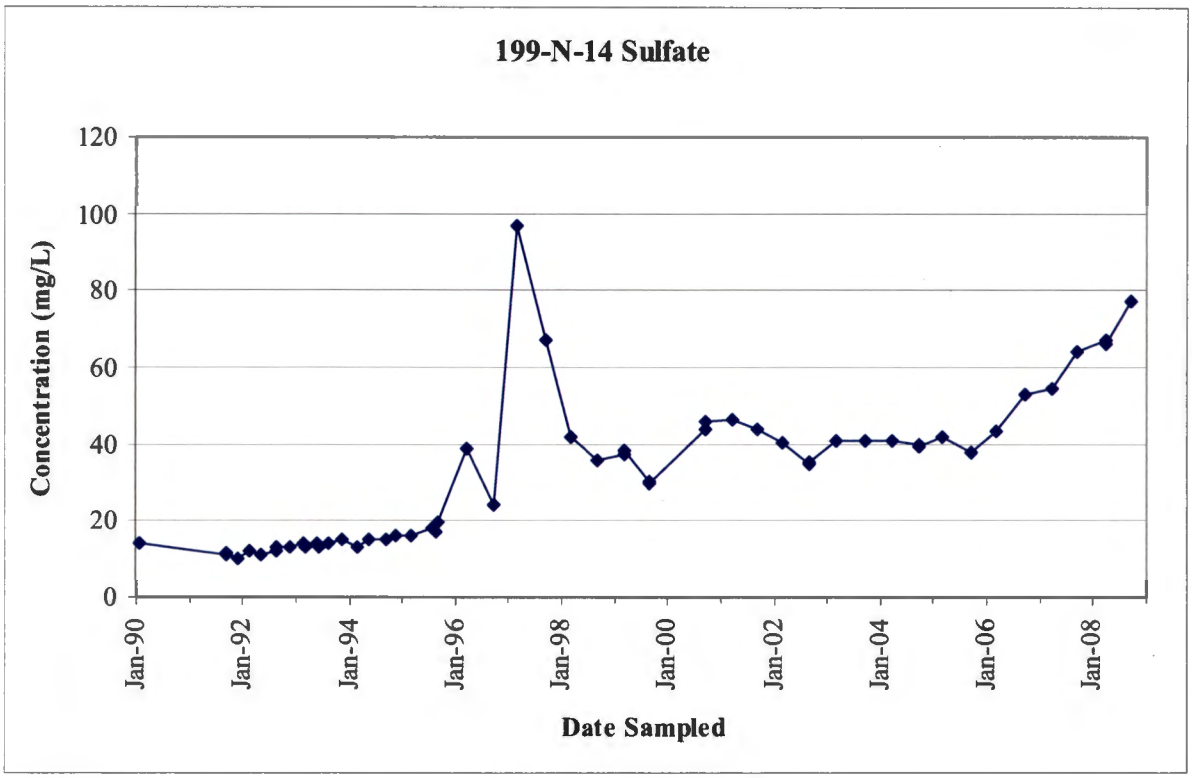

199-N-119 Sulfate
Concentration (mg/L)
0
2
4
6
8
10
12
14
16
18
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

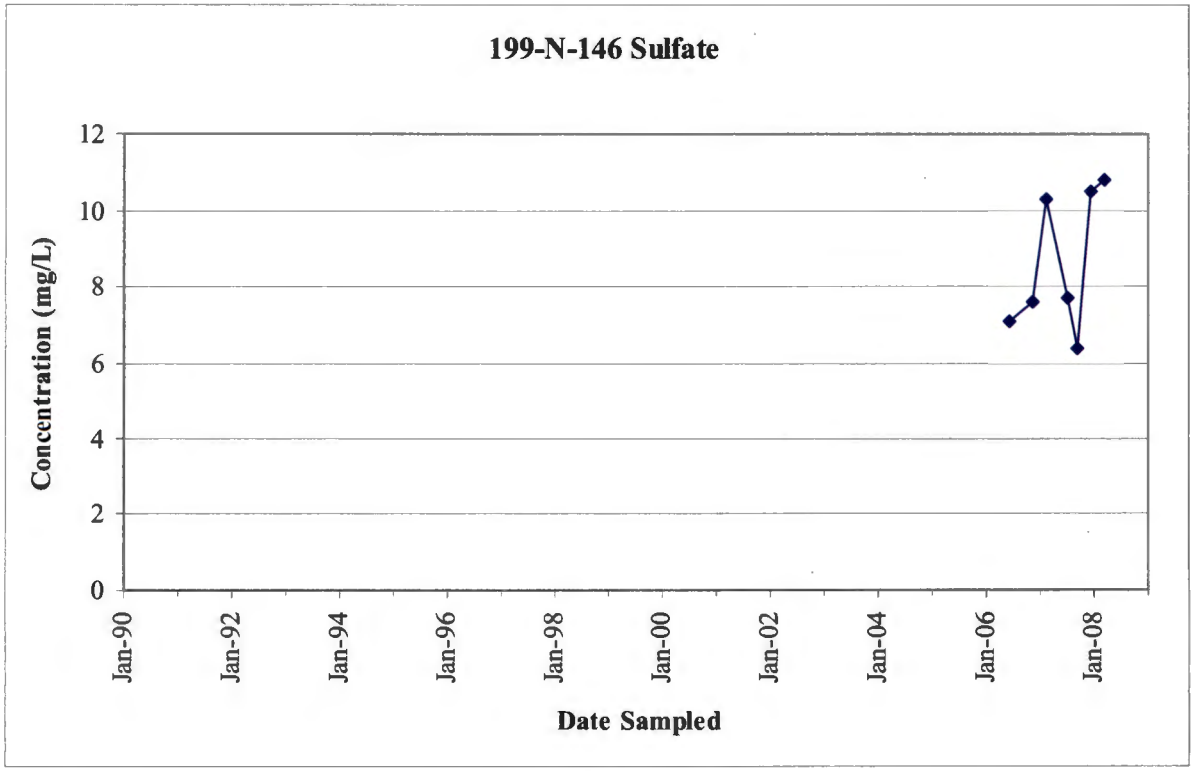

199-N-120 Sulfate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

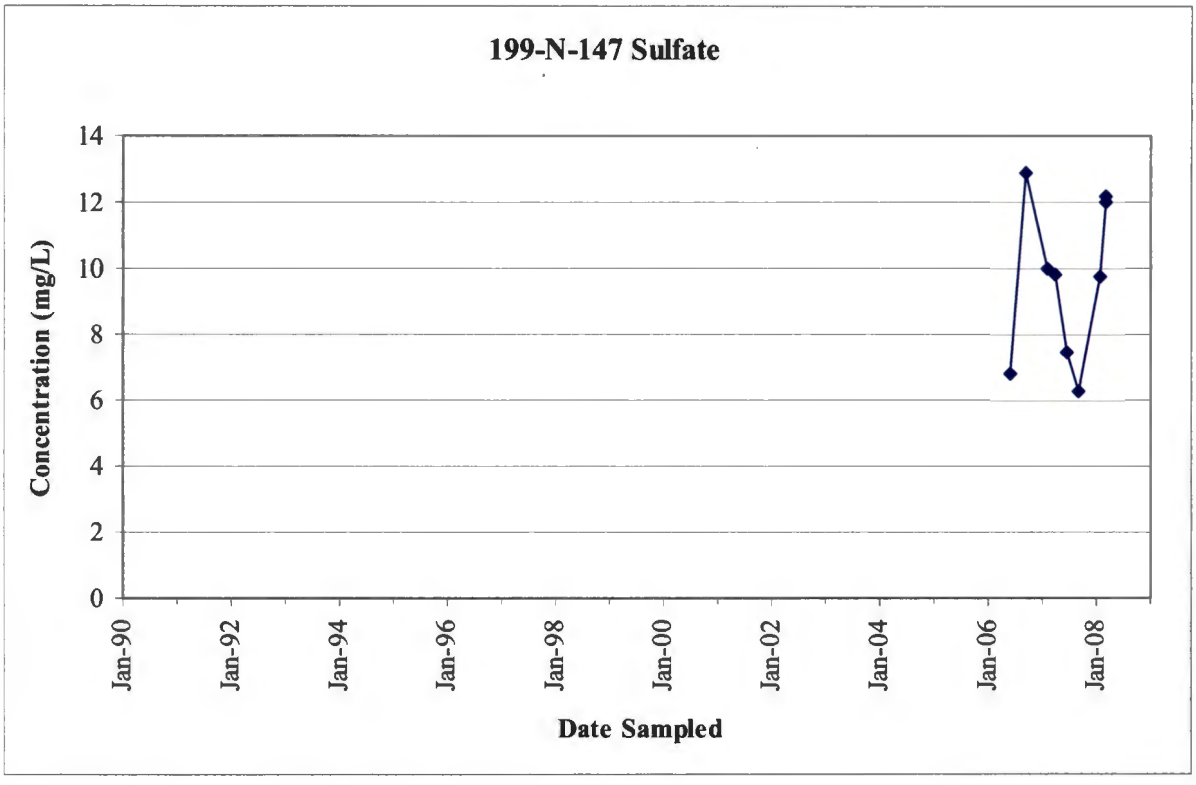

199-N-121 Sulfate
Concentration (mg/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

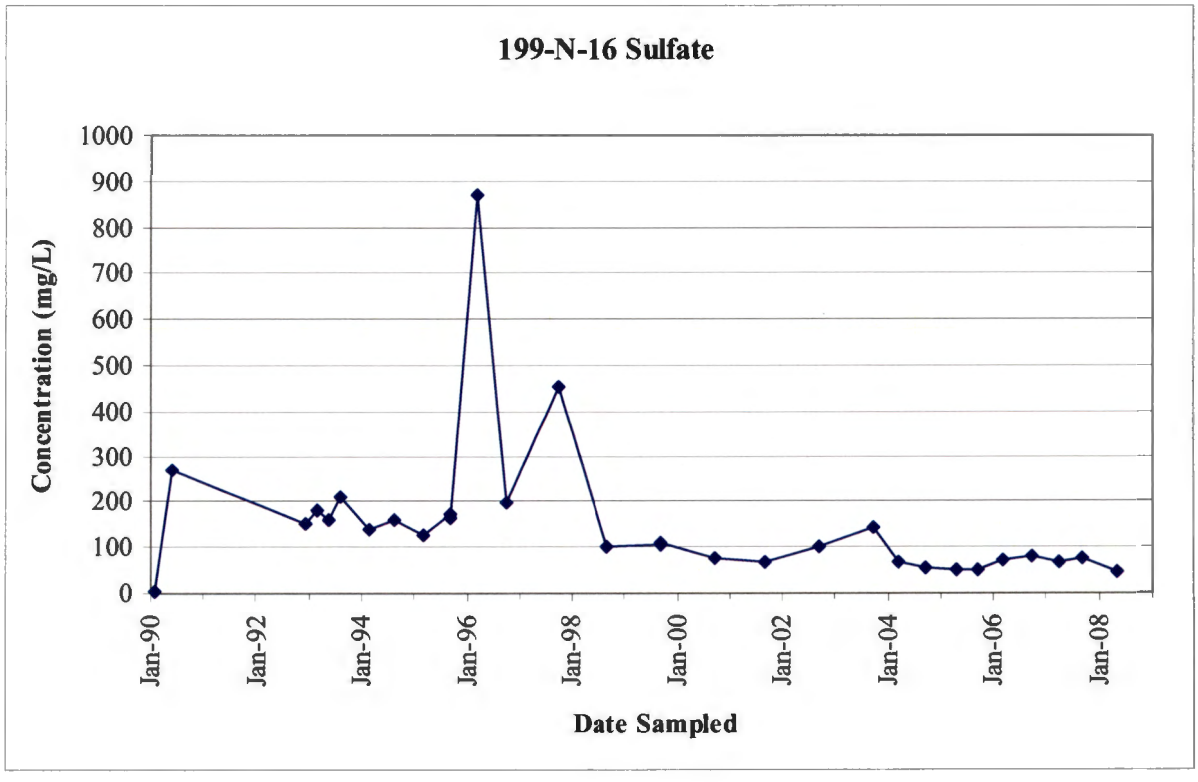

199-N-122 Sulfate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

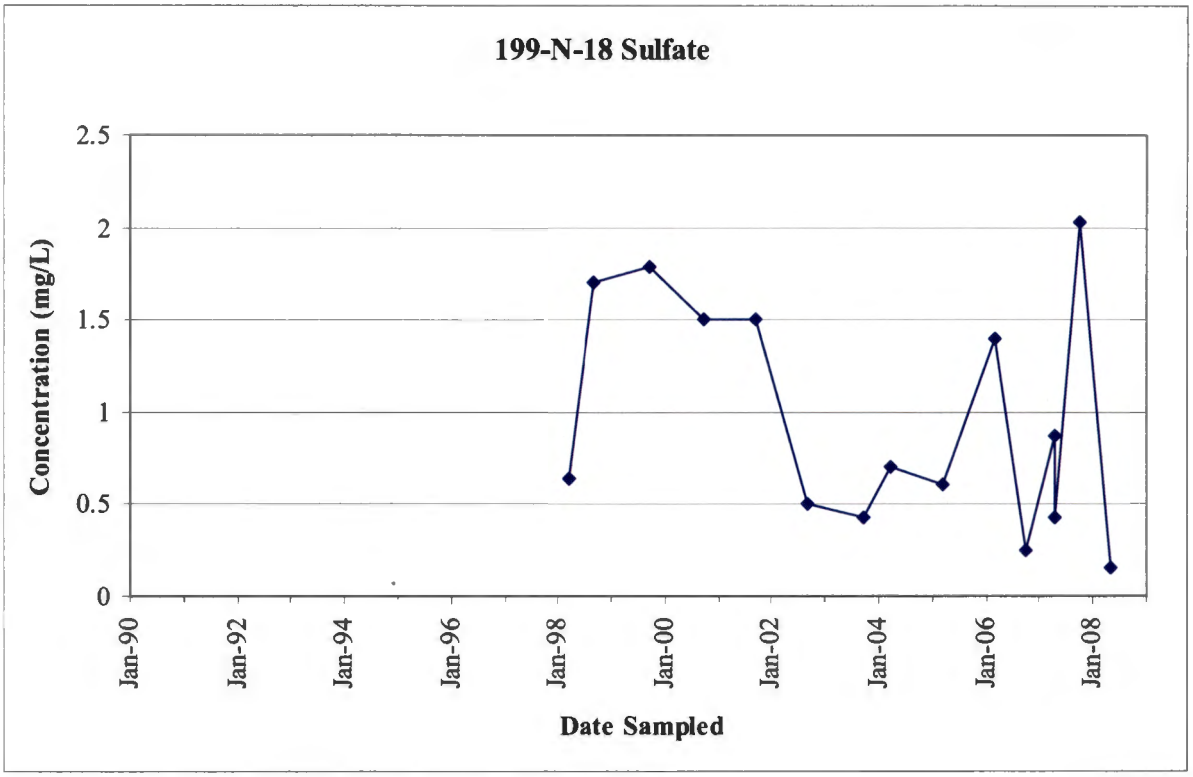

199-N-123 Sulfate
Concentration (mg/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

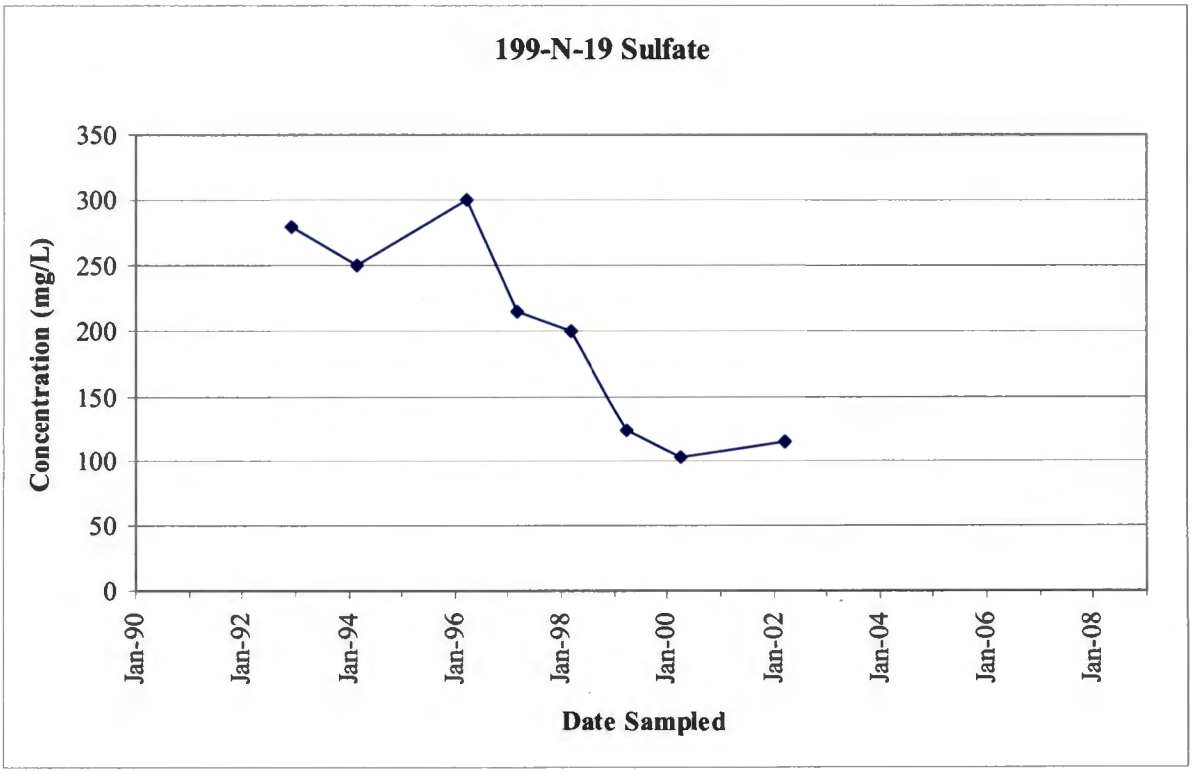

199-N-14 Sulfate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

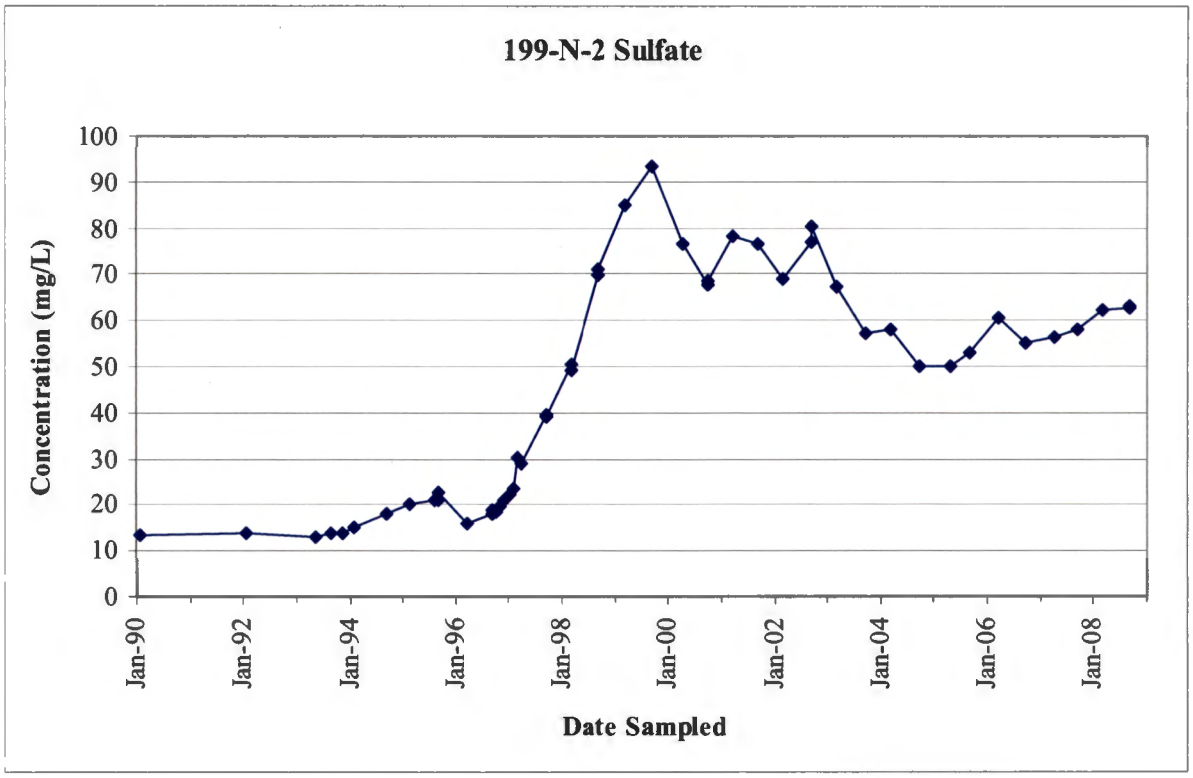

199-N-146 Sulfate
Concentration (mg/L)
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

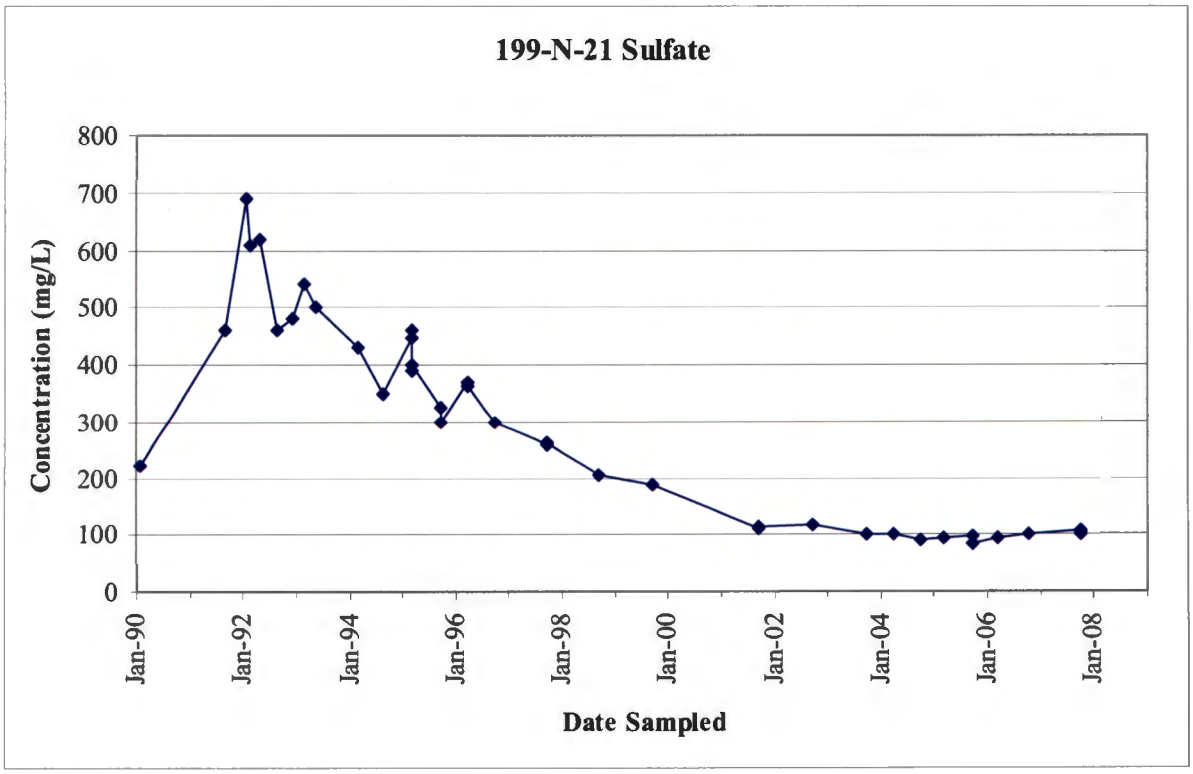

199-N-147 Sulfate
Concentration (mg/L)
14
12
10
8
6
4
2
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

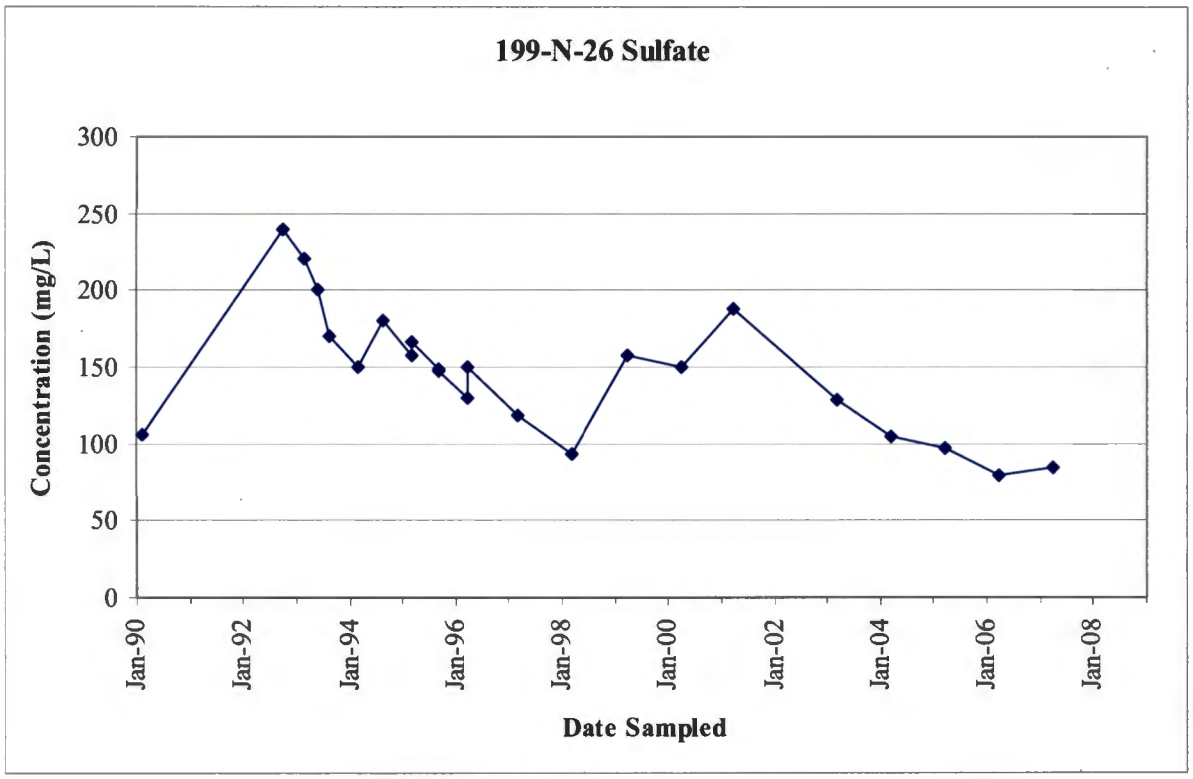

199-N-16 Sulfate
Concentration (mg/L)
1000
900
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

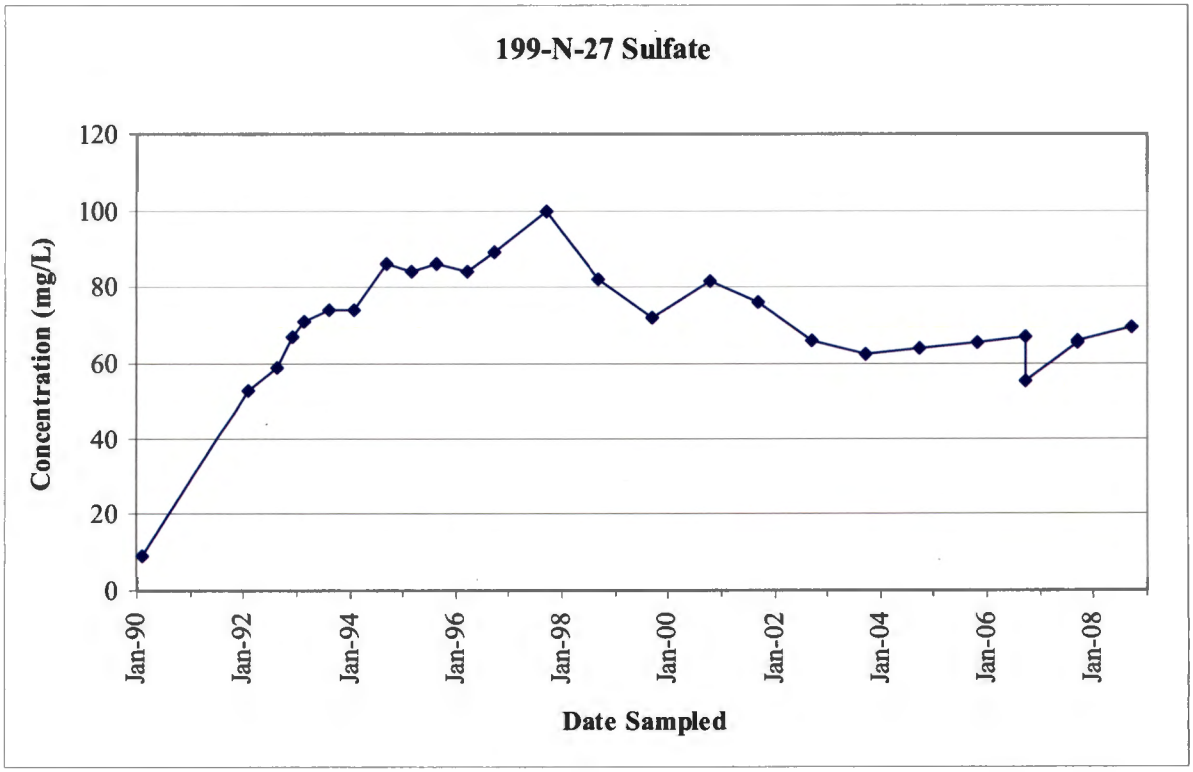

199-N-18 Sulfate
Concentration (mg/L)
2.5
2
1.5
1
0.5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

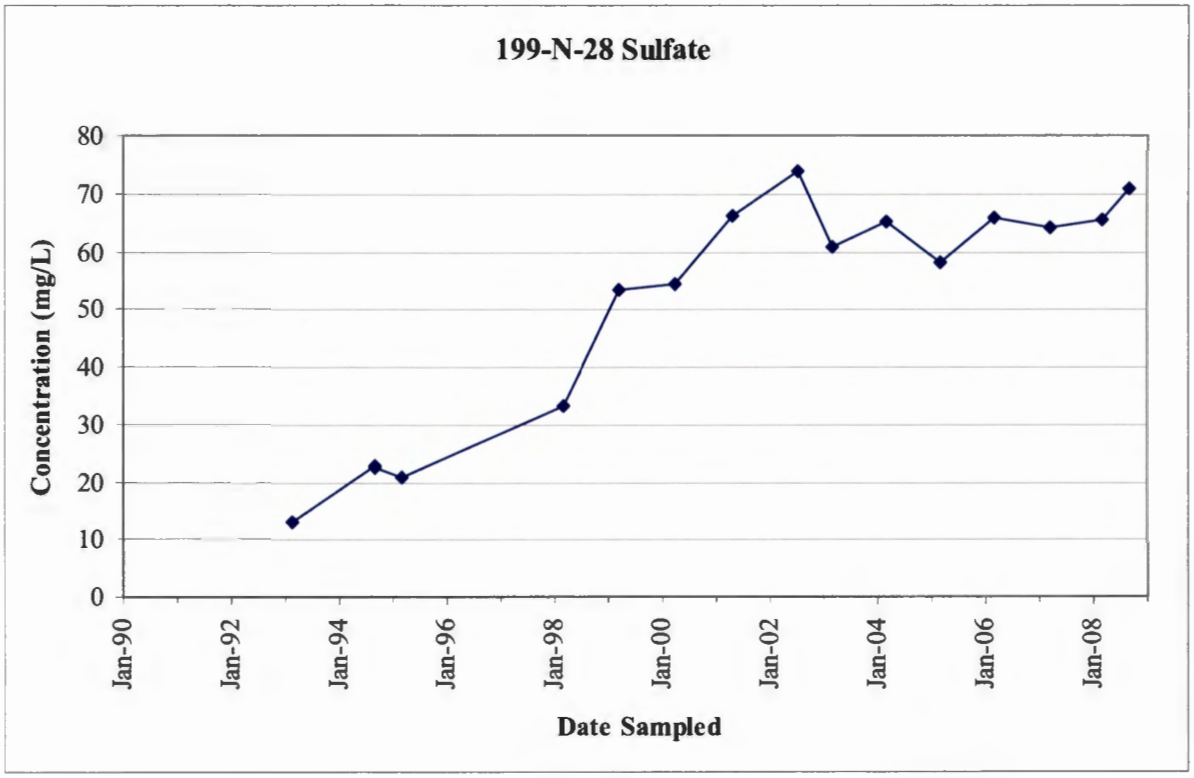

199-N-19 Sulfate
Concentration (mg/L)
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

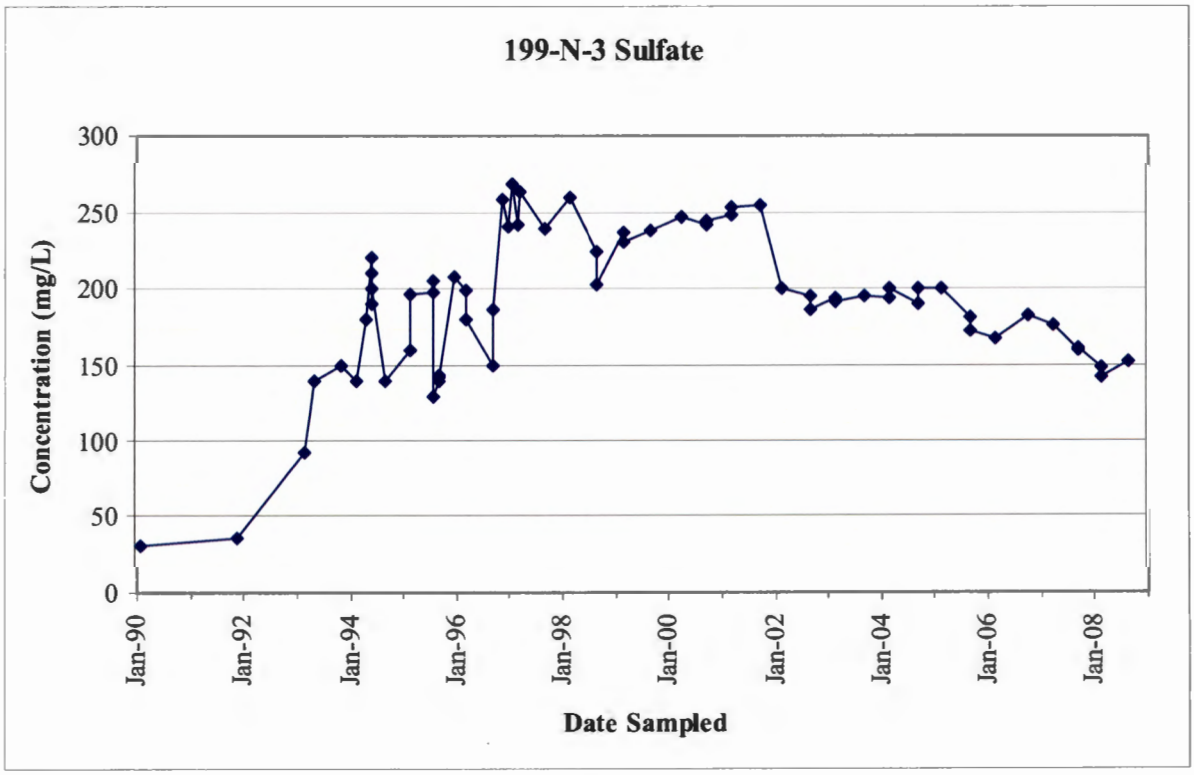

199-N-2 Sulfate
Concentration (mg/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

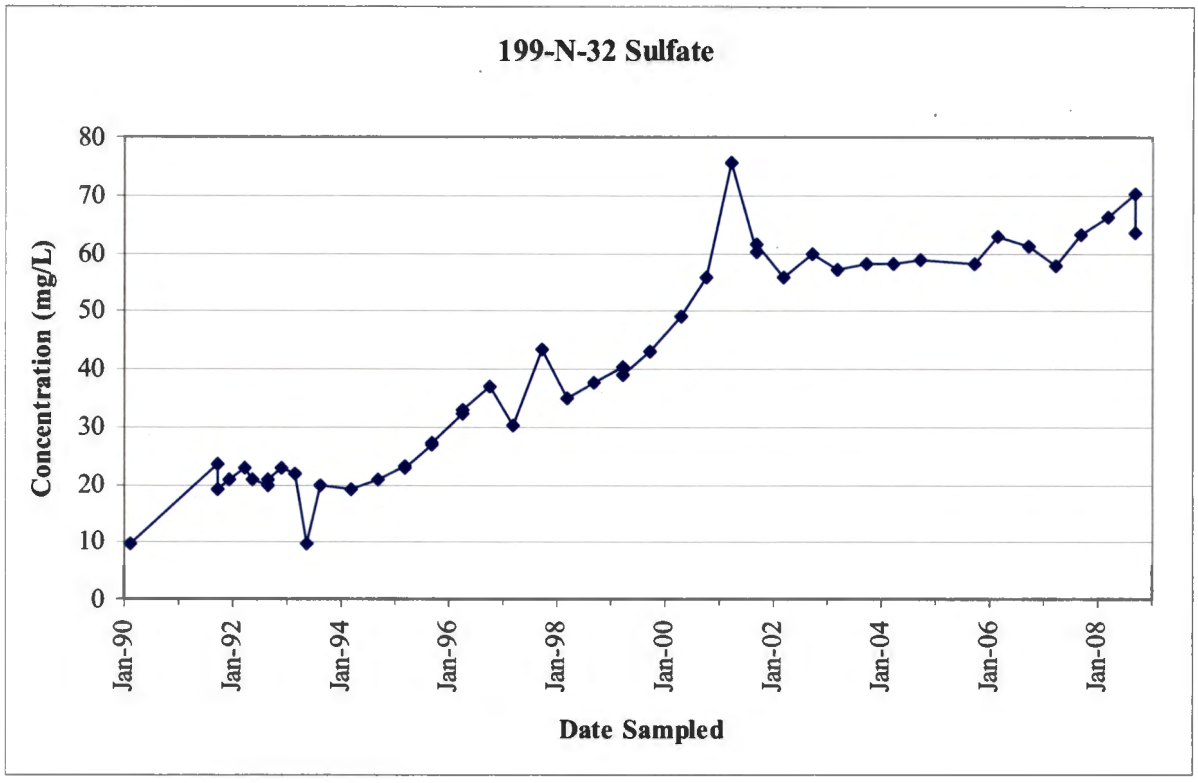

199-N-21 Sulfate
Concentration (mg/L)
800
700
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

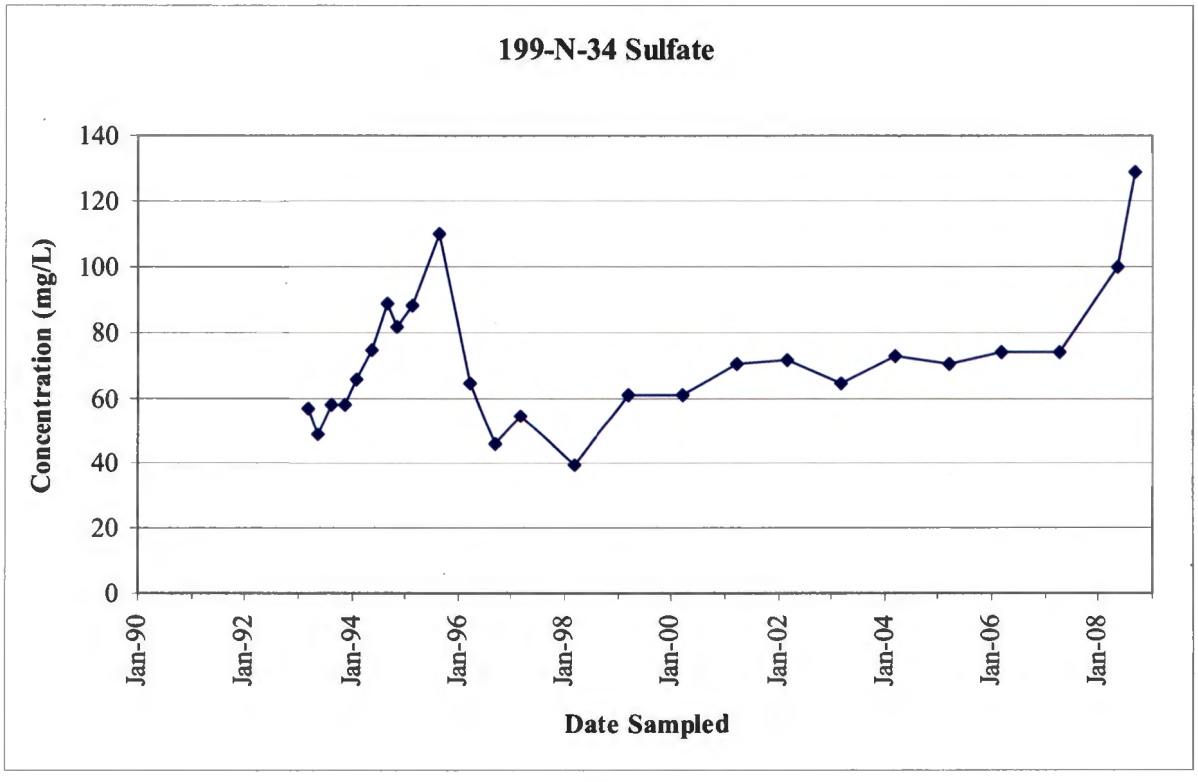

199-N-26 Sulfate
Concentration (mg/L)
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

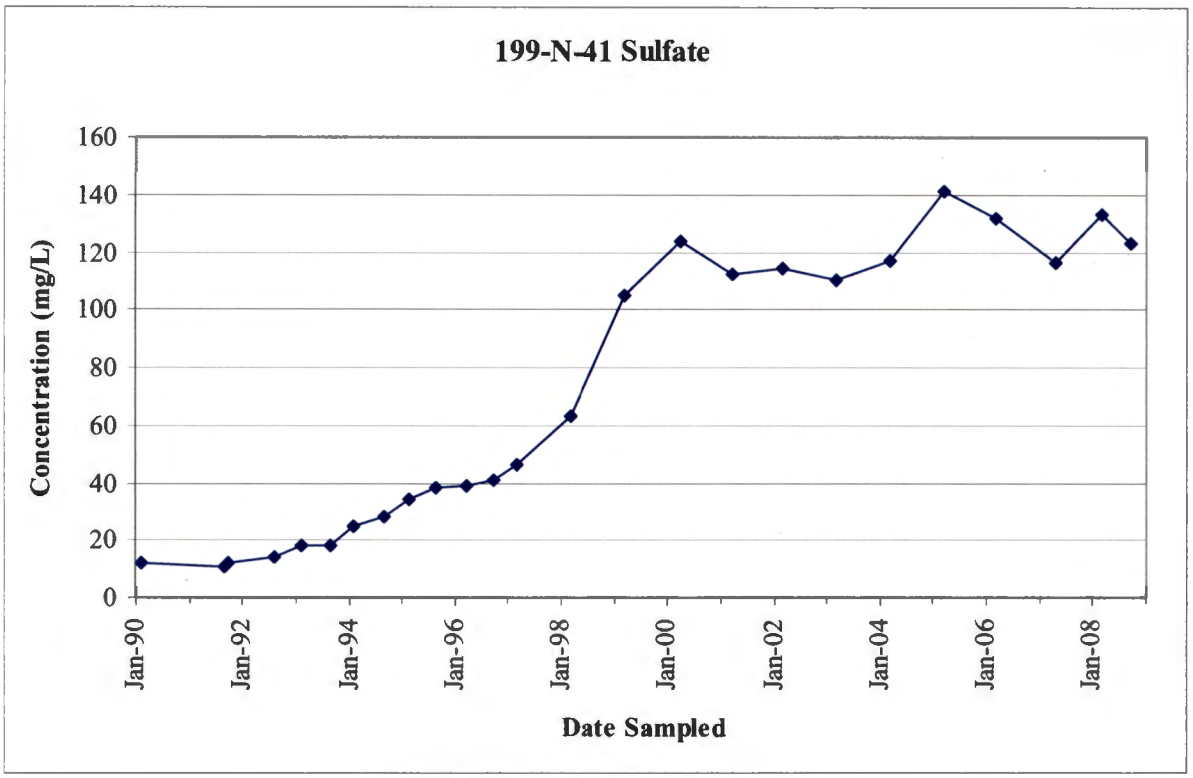

199-N-27 Sulfate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

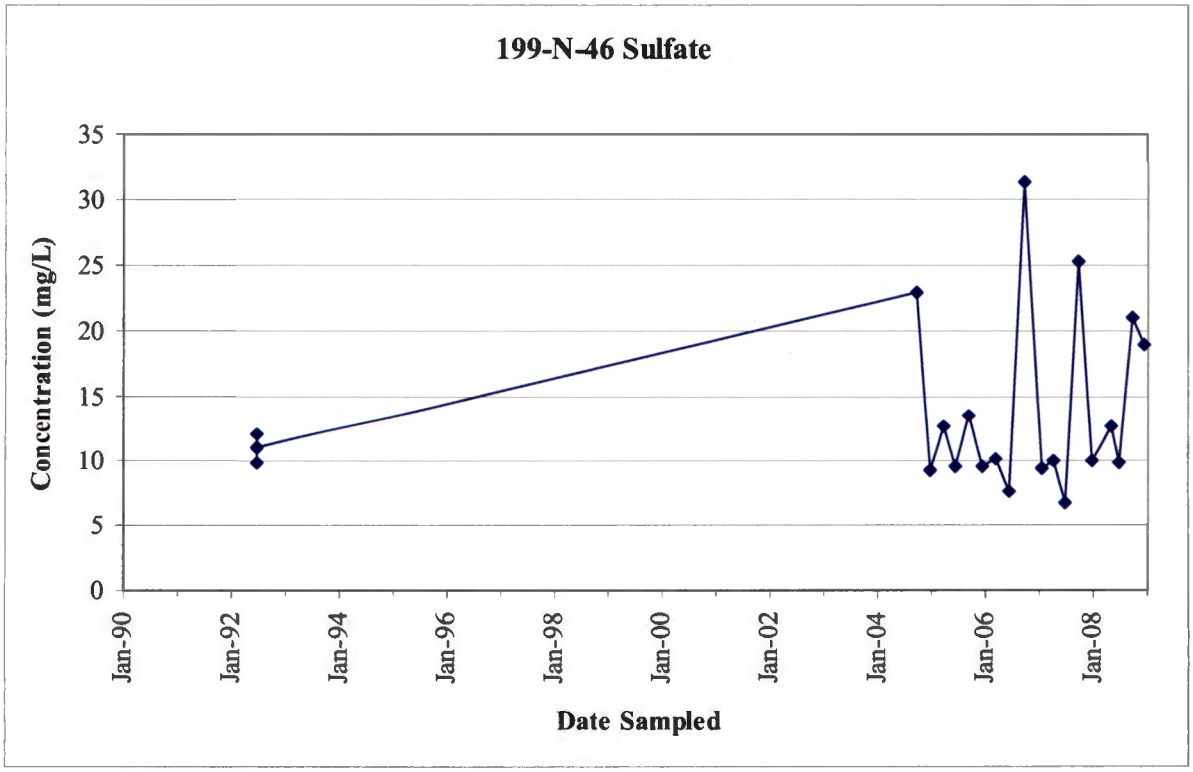

199-N-28 Sulfate
Concentration (mg/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

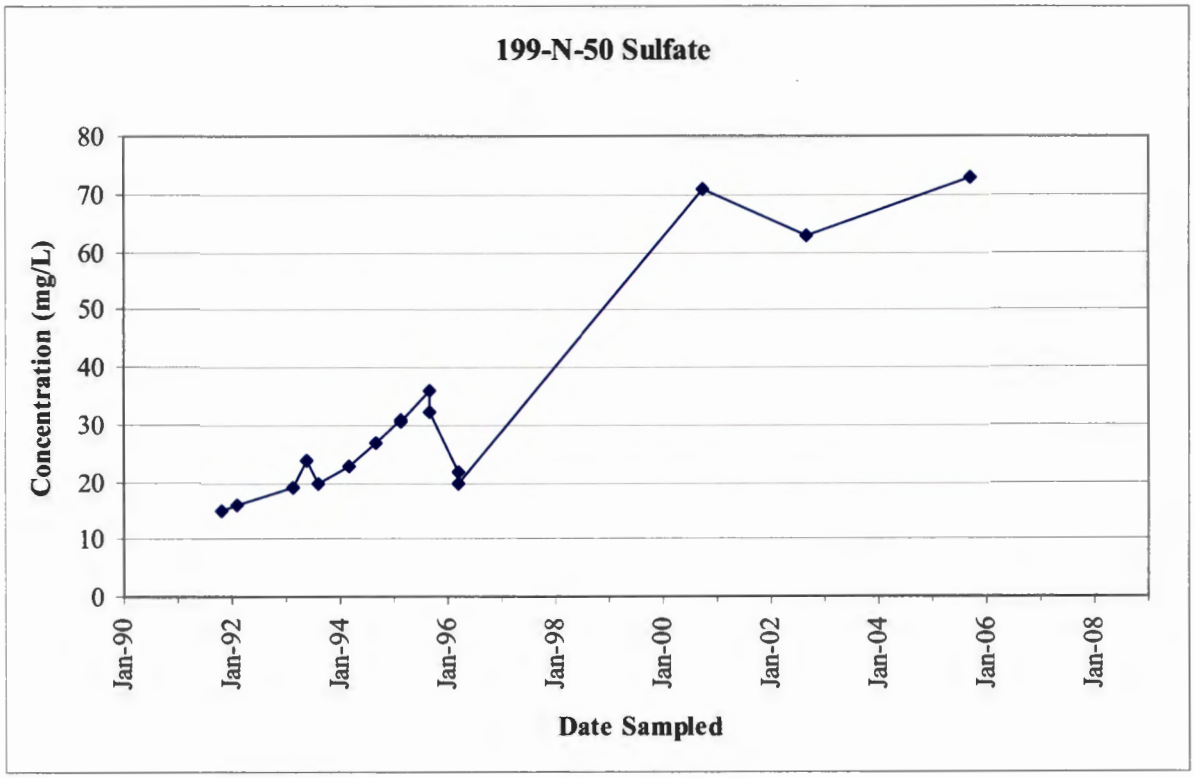

199-N-3 Sulfate
Concentration (mg/L)
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

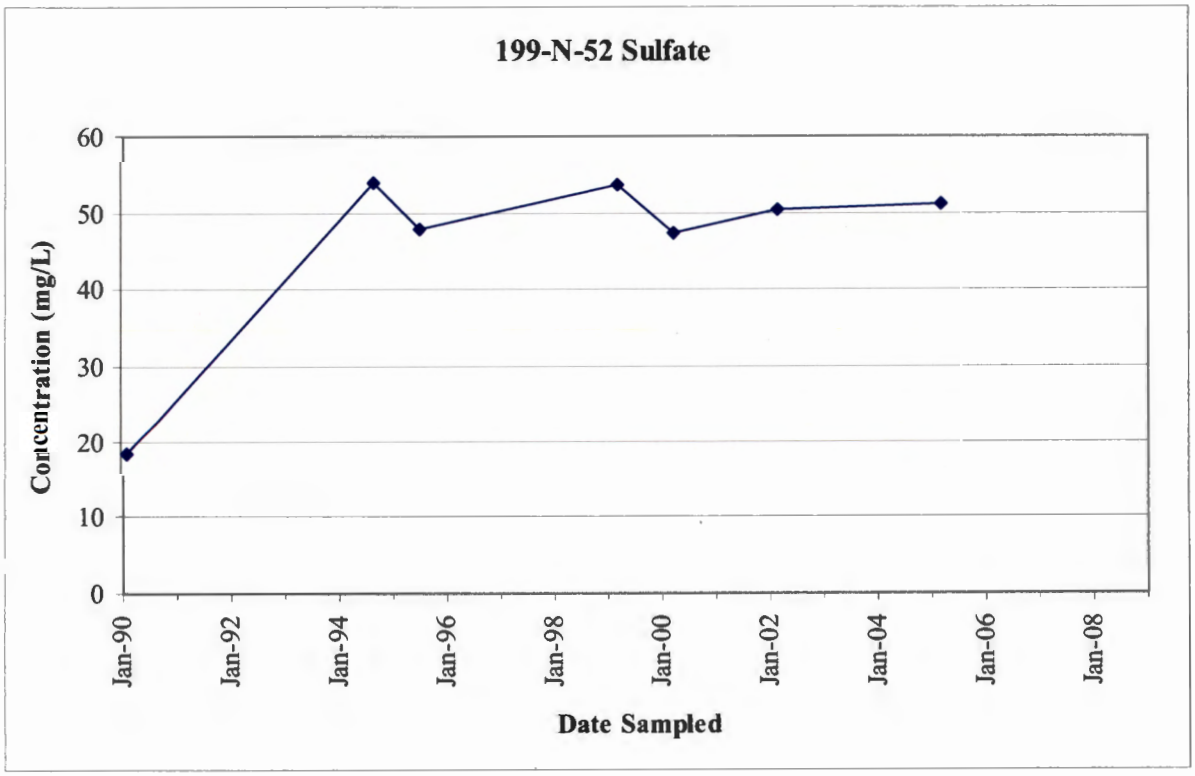

199-N-32 Sulfate
Concentration (mg/L)
0
10
20
30
40
50
60
70
80
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

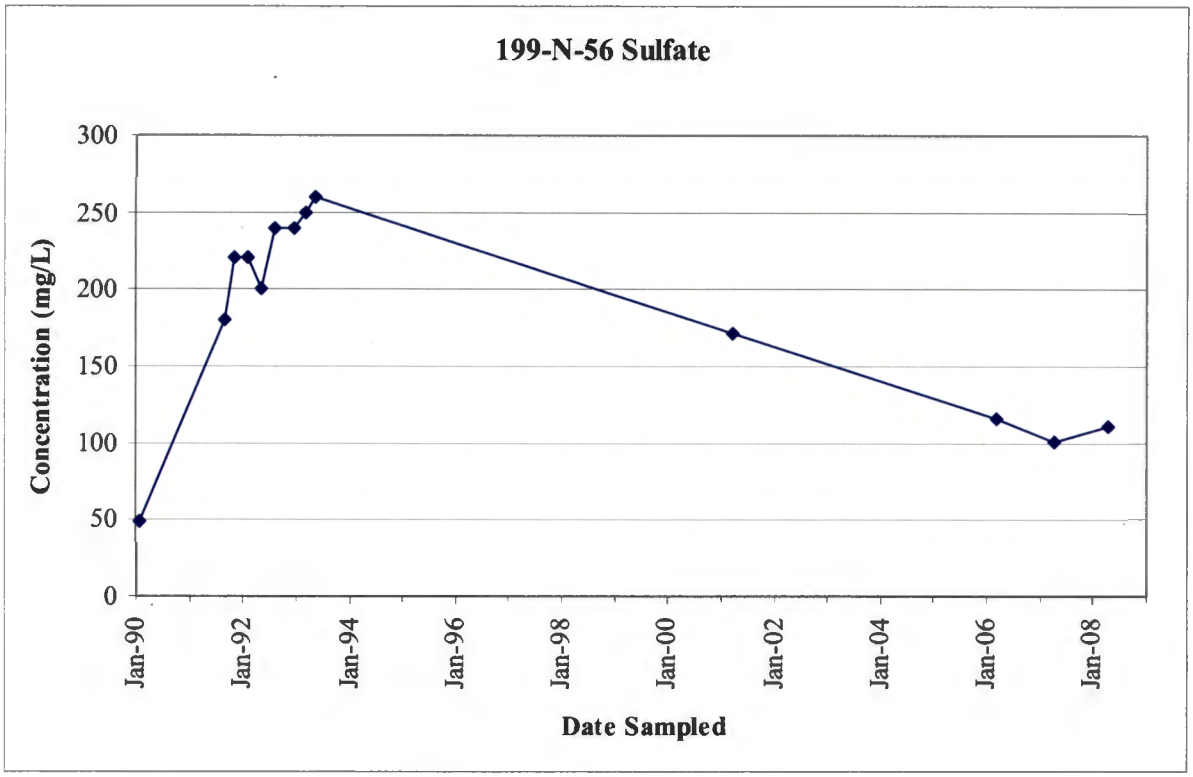

199-N-34 Sulfate
Concentration (mg/L)
0
20
40
60
80
100
120
140
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

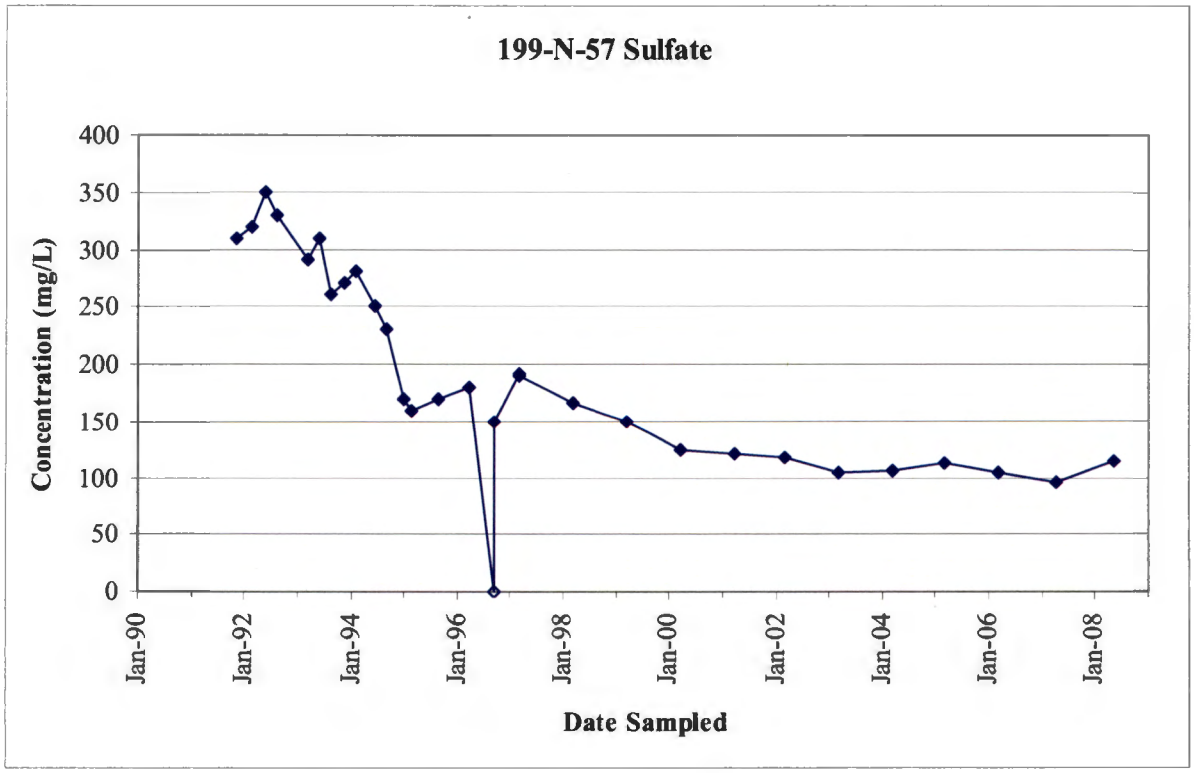

199-N-41 Sulfate
Concentration (mg/L)
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

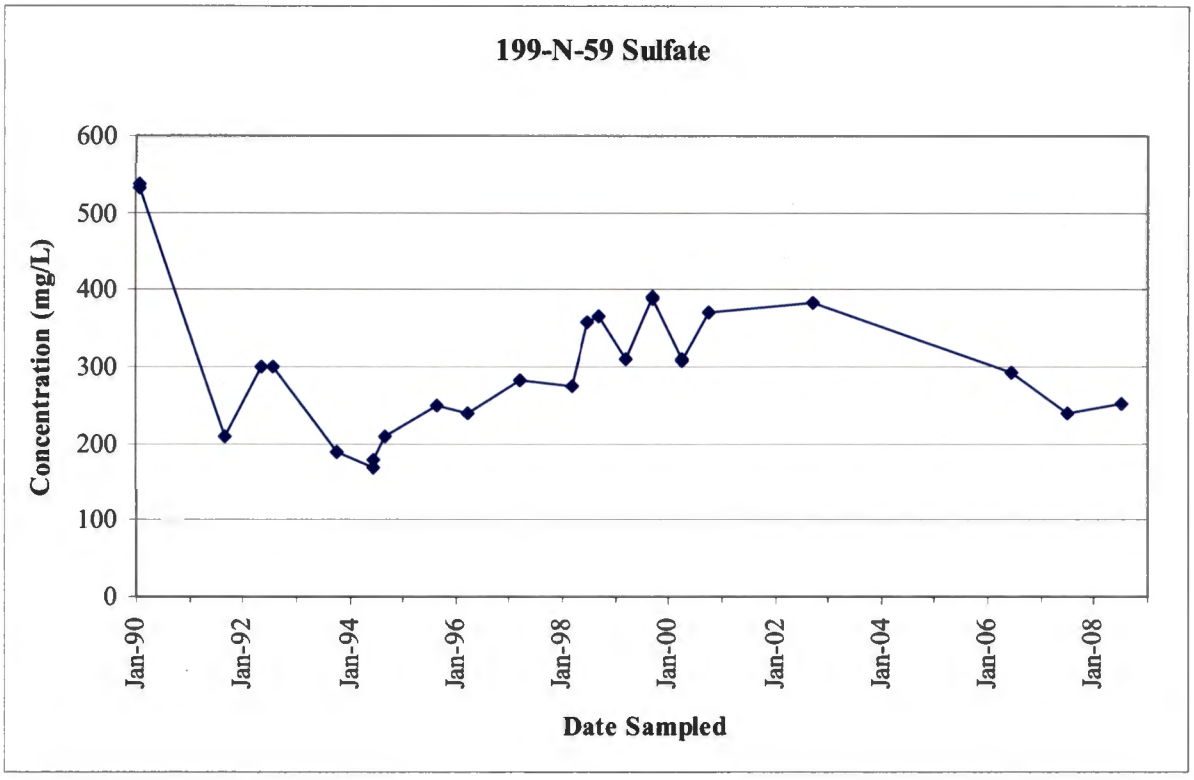

199-N-46 Sulfate
Concentration (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

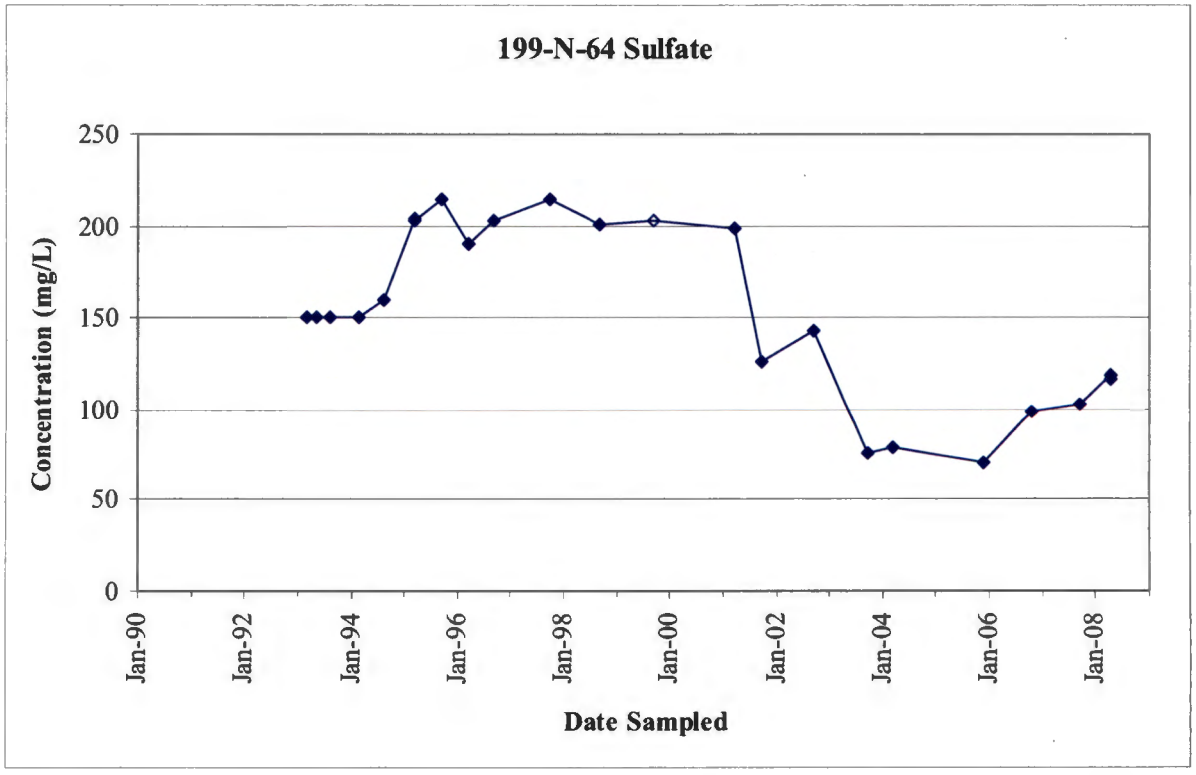

199-N-50 Sulfate
Concentration (mg/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

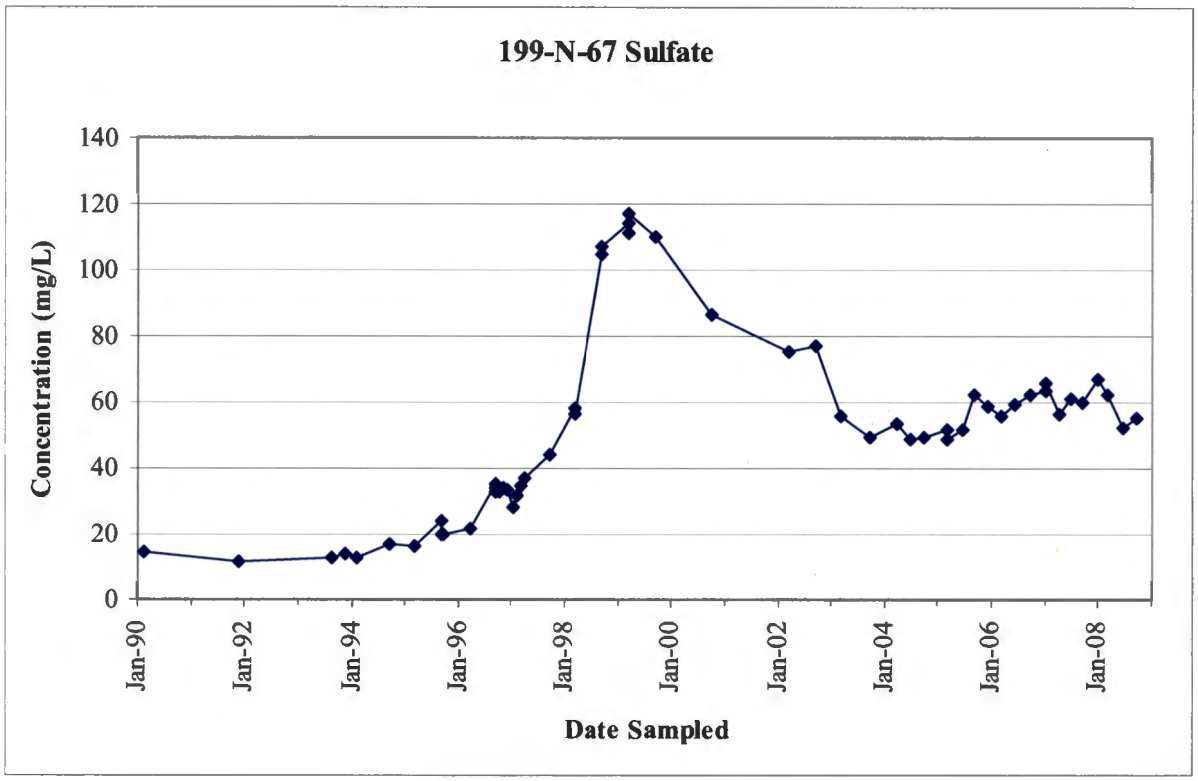

199-N-52 Sulfate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

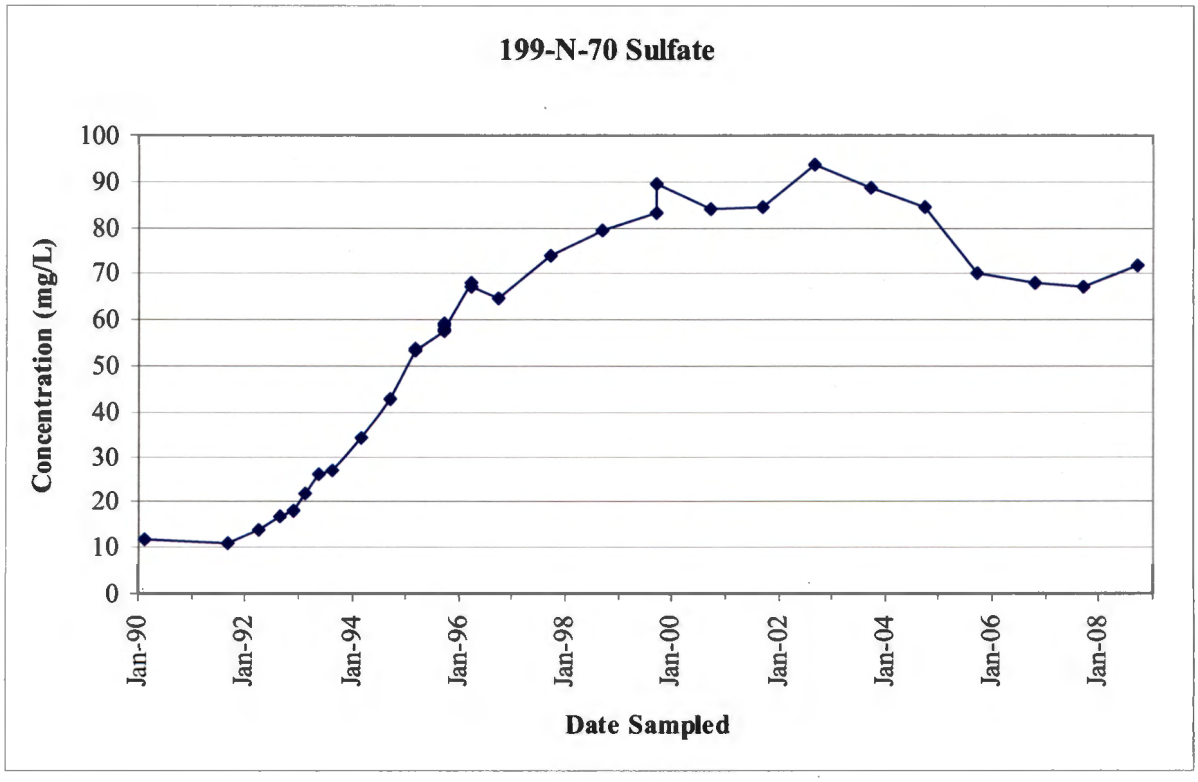

199-N-56 Sulfate
Concentration (mg/L)
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

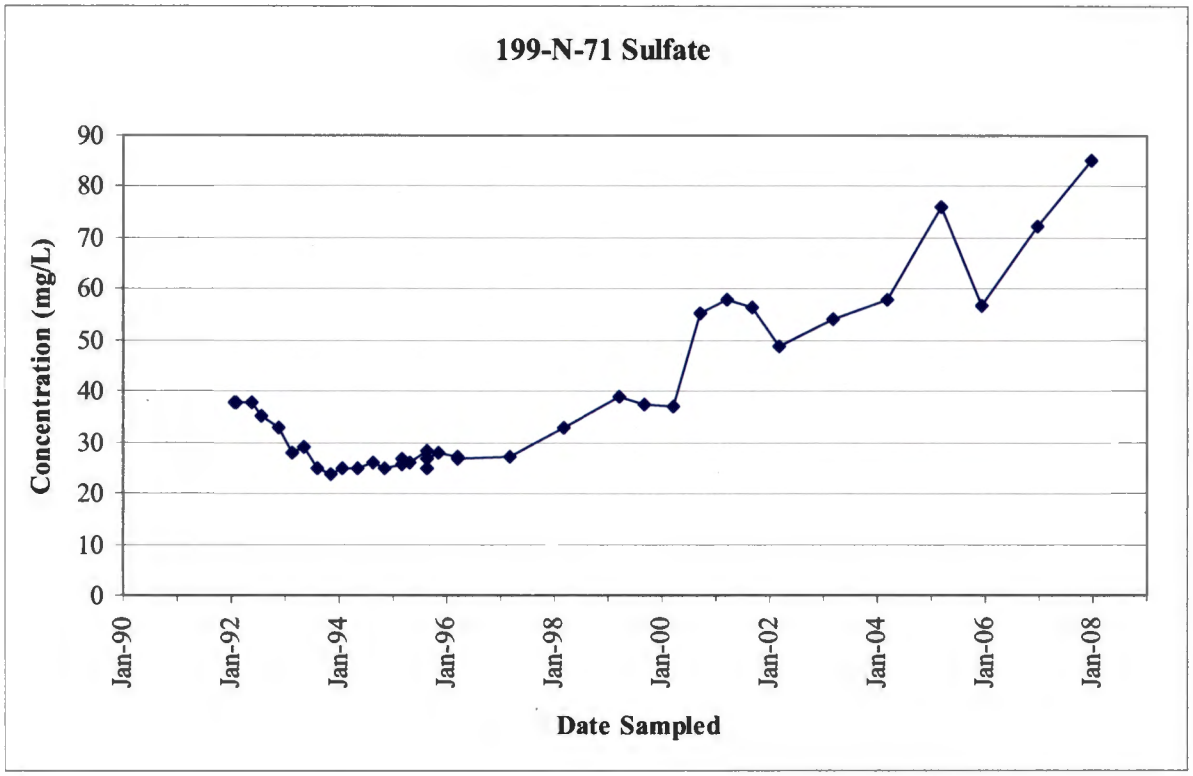

199-N-57 Sulfate
Concentration (mg/L)
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

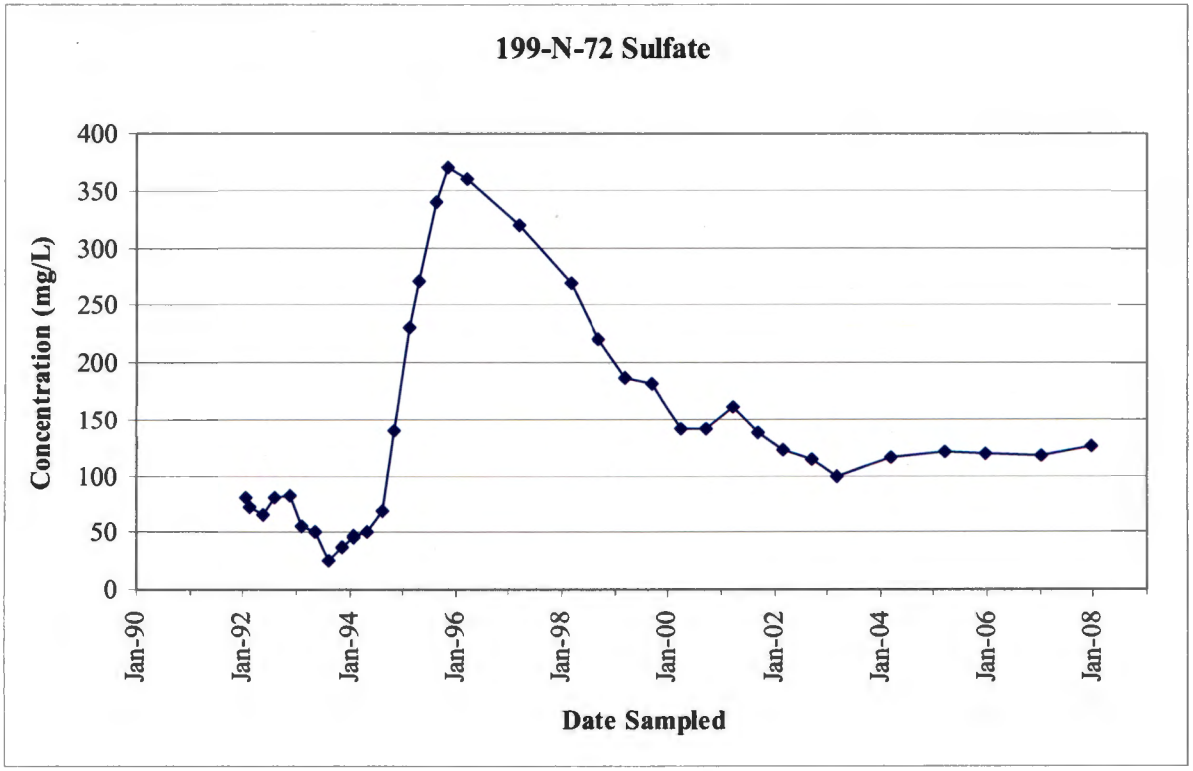

199-N-59 Sulfate
Concentration (mg/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

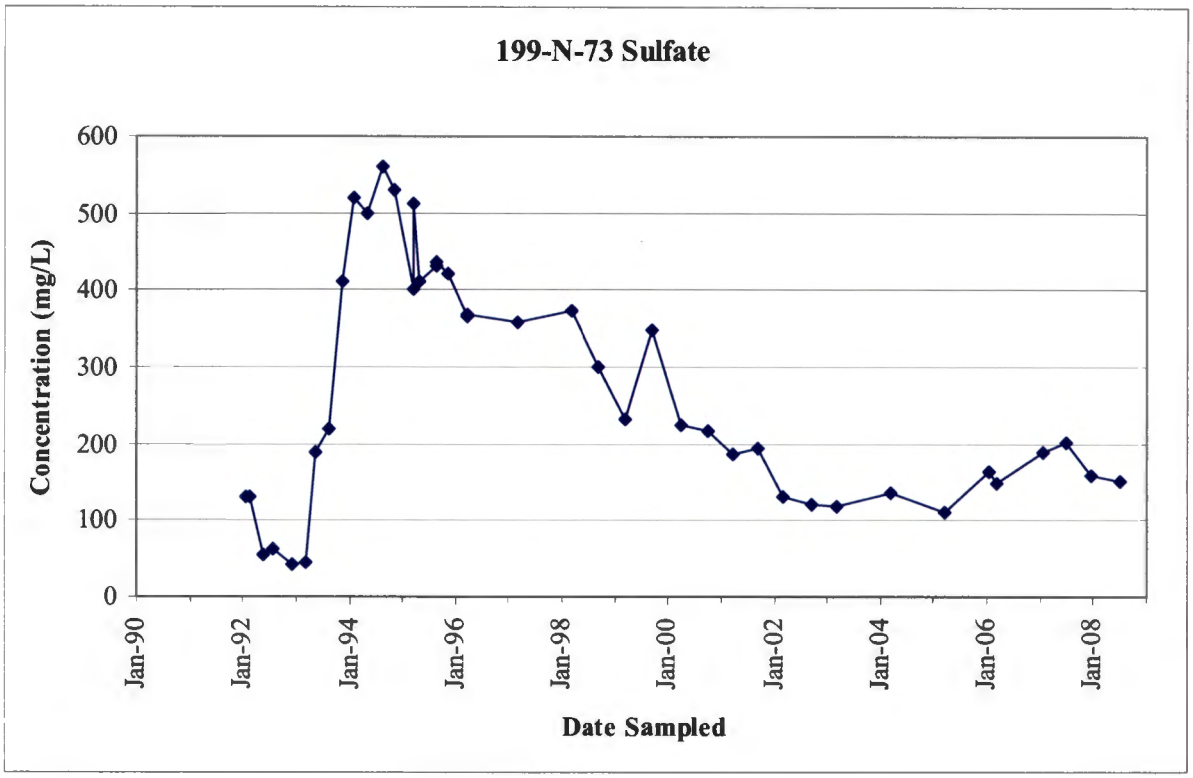

199-N-64 Sulfate
Concentration (mg/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

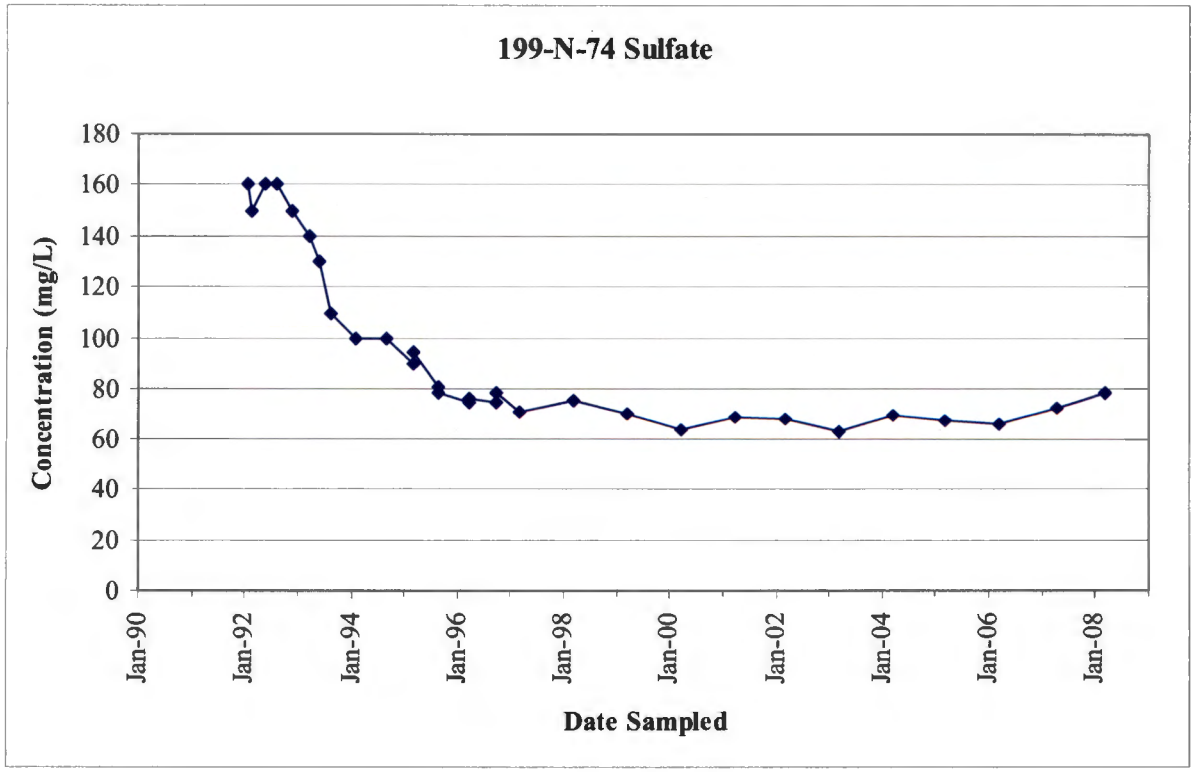

199-N-67 Sulfate
Concentration (mg/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

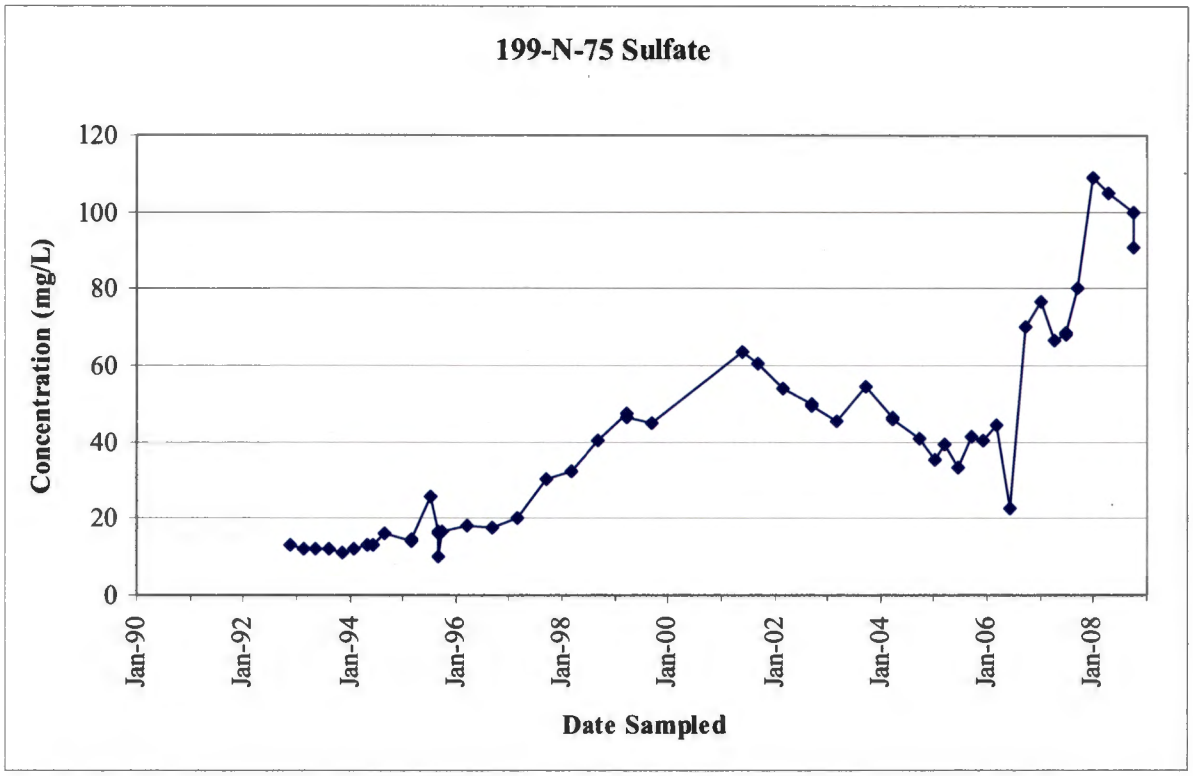

199-N-70 Sulfate
Concentration (mg/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

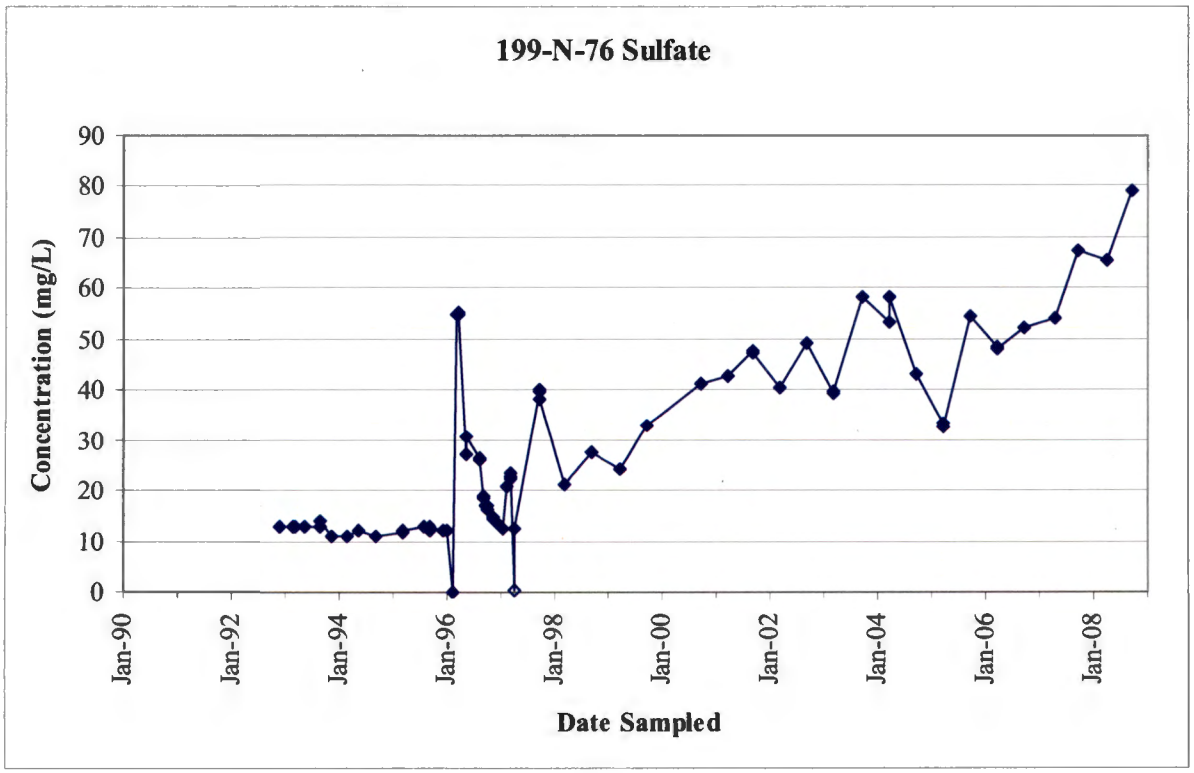

199-N-71 Sulfate
Concentration (mg/L)
0
10
20
30
40
50
60
70
80
90
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

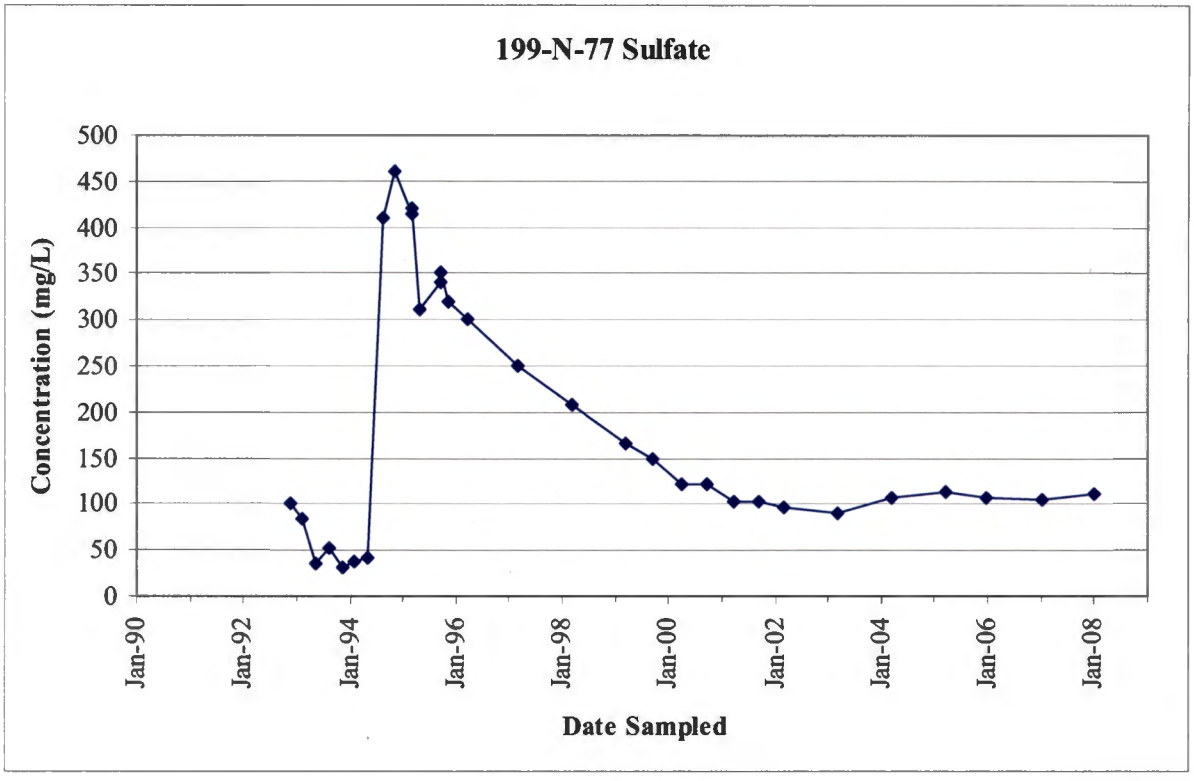

199-N-72 Sulfate
Concentration (mg/L)
0
50
100
150
200
250
300
350
400
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

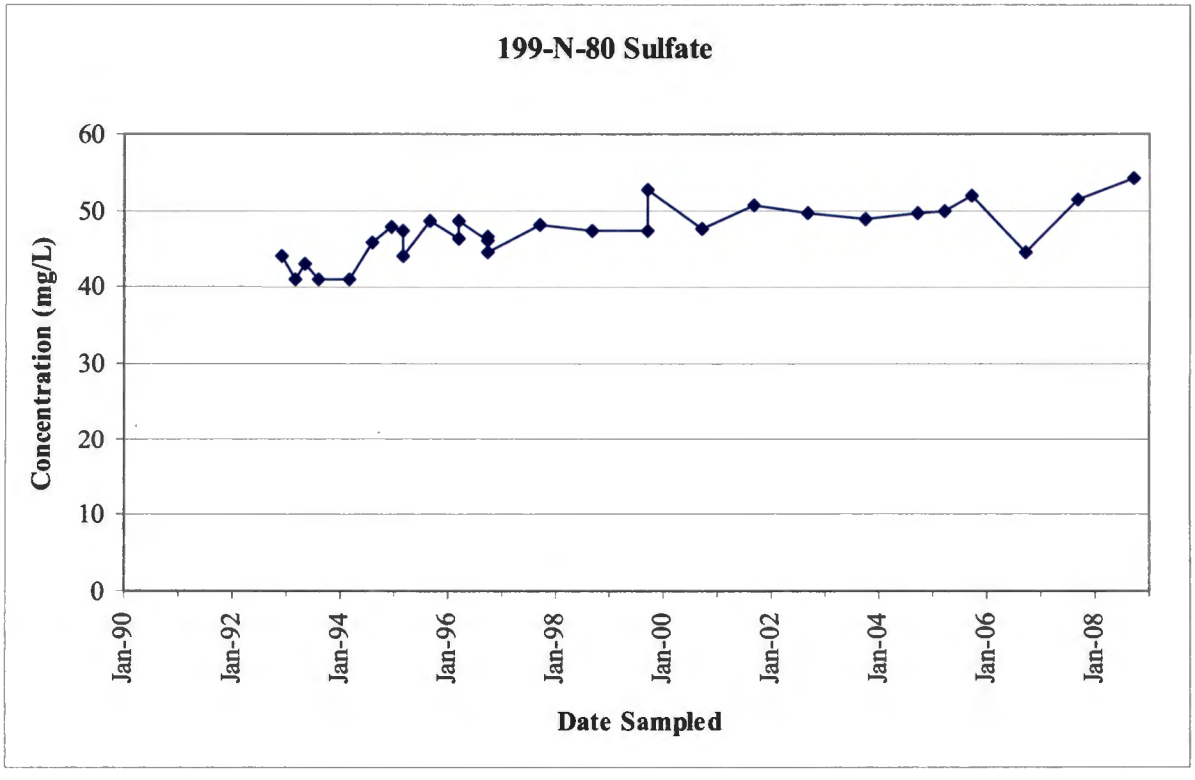

199-N-73 Sulfate
Concentration (mg/L)
600
500
400
300
200
100
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

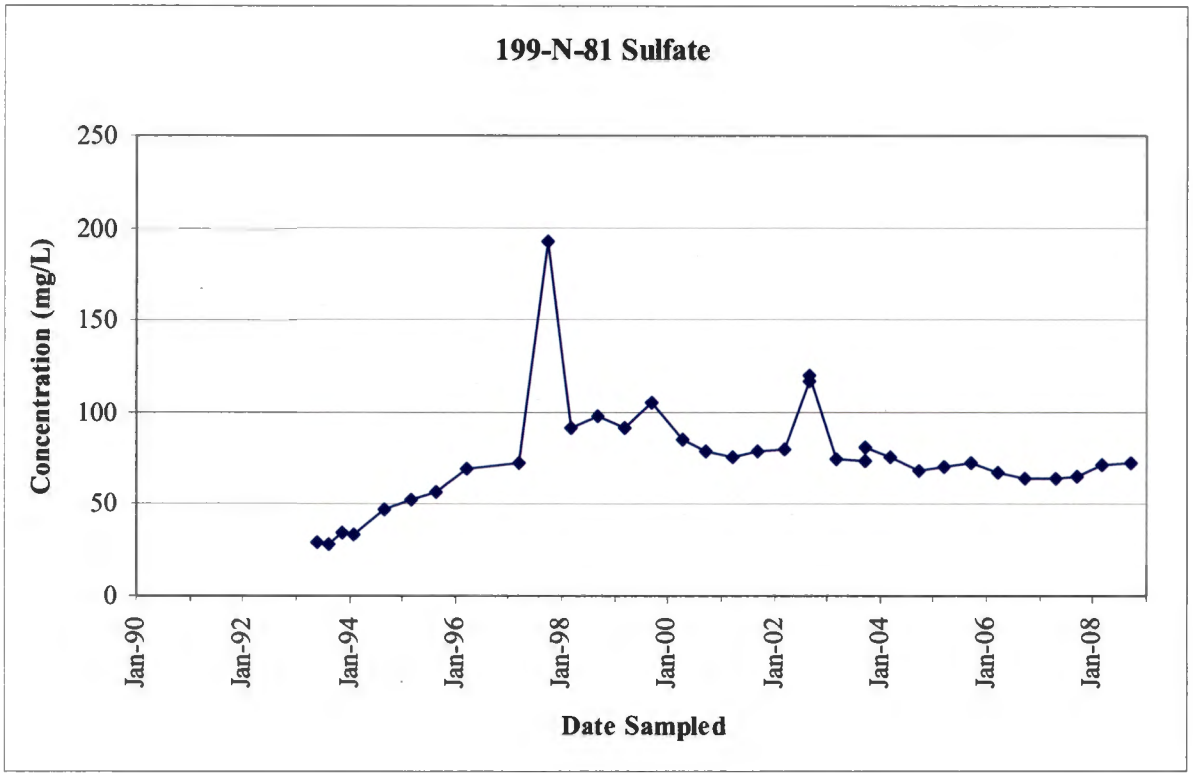

199-N-74 Sulfate
Concentration (mg/L)
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

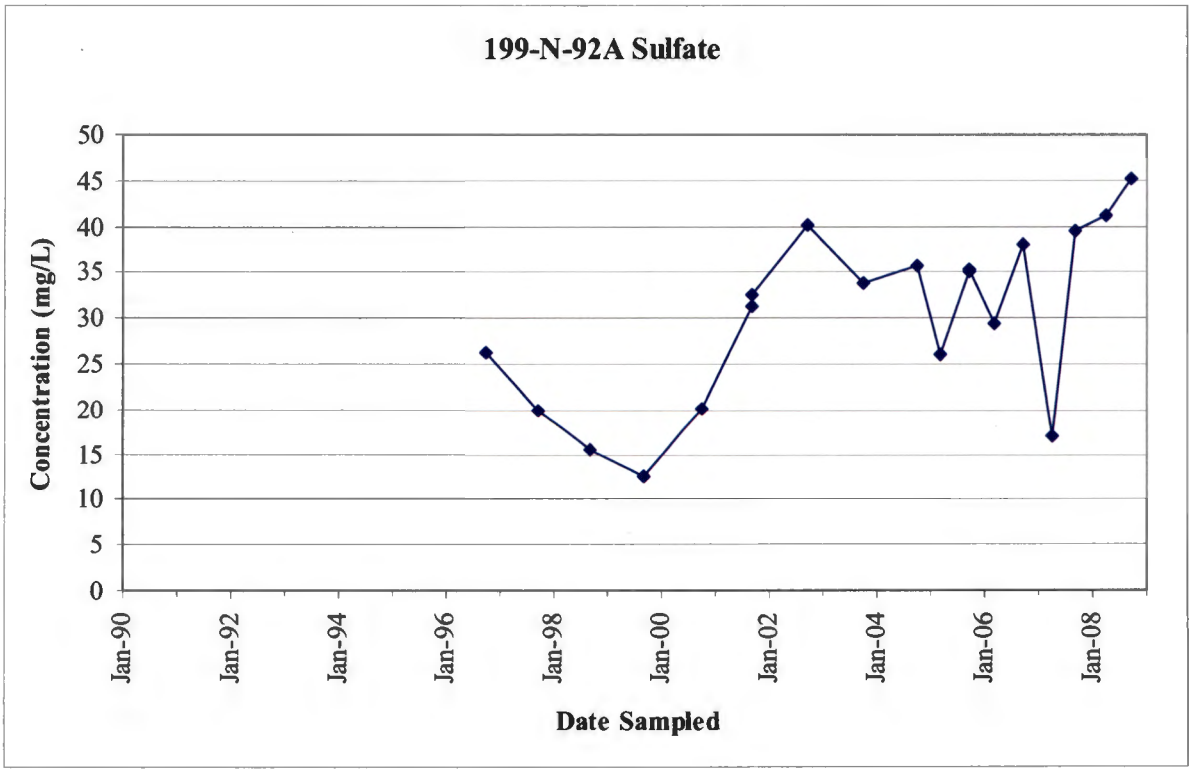

199-N-75 Sulfate
Concentration (mg/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

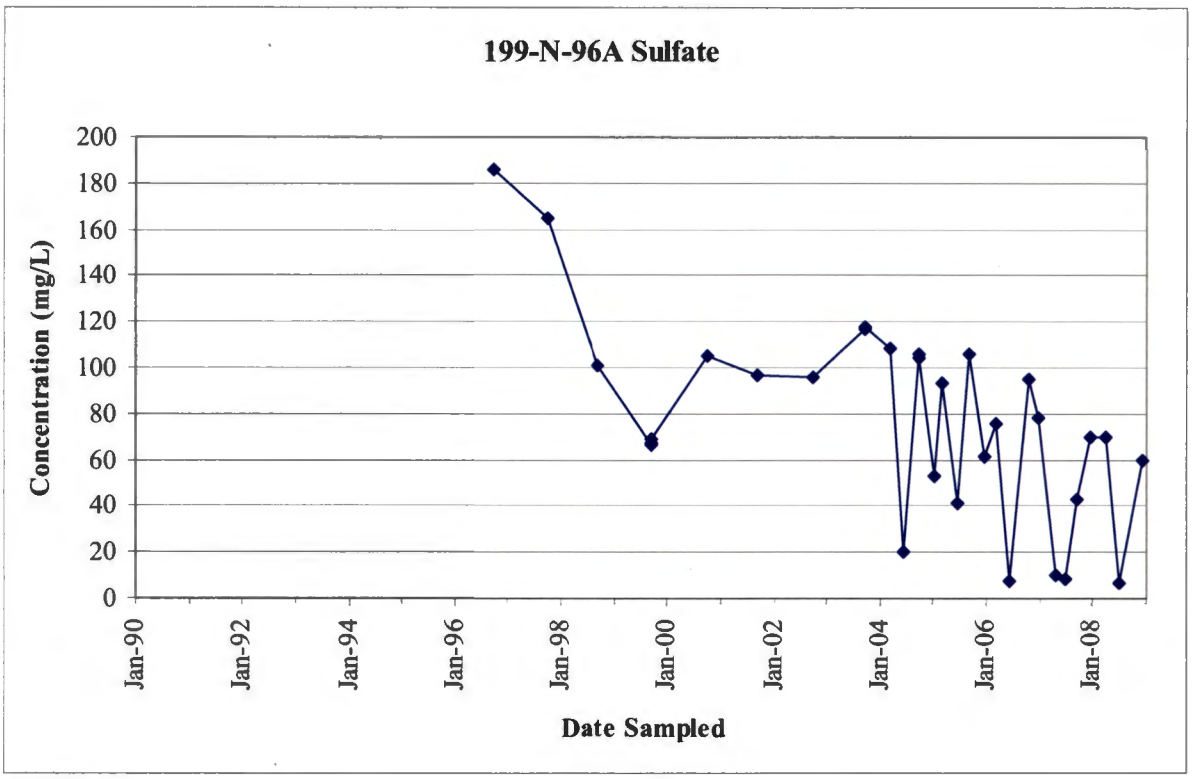

199-N-76 Sulfate
Concentration (mg/L)
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

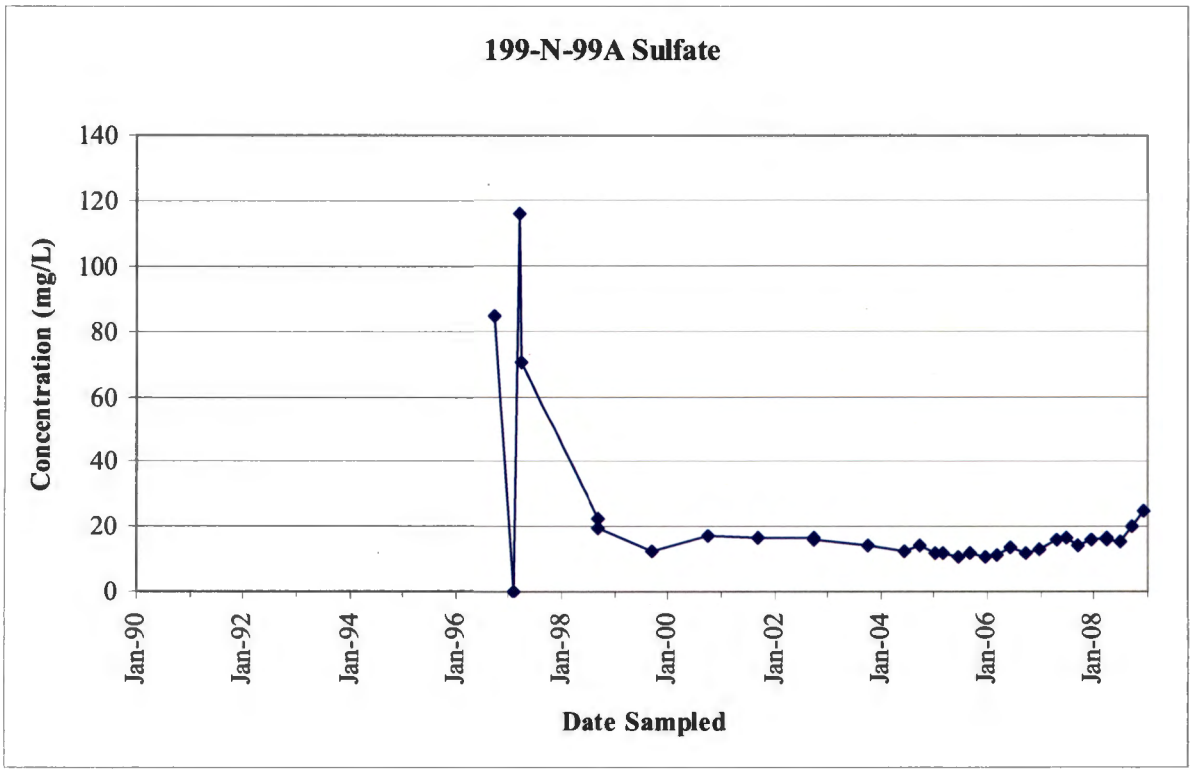

199-N-77 Sulfate
Concentration (mg/L)
500
450
400
350
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

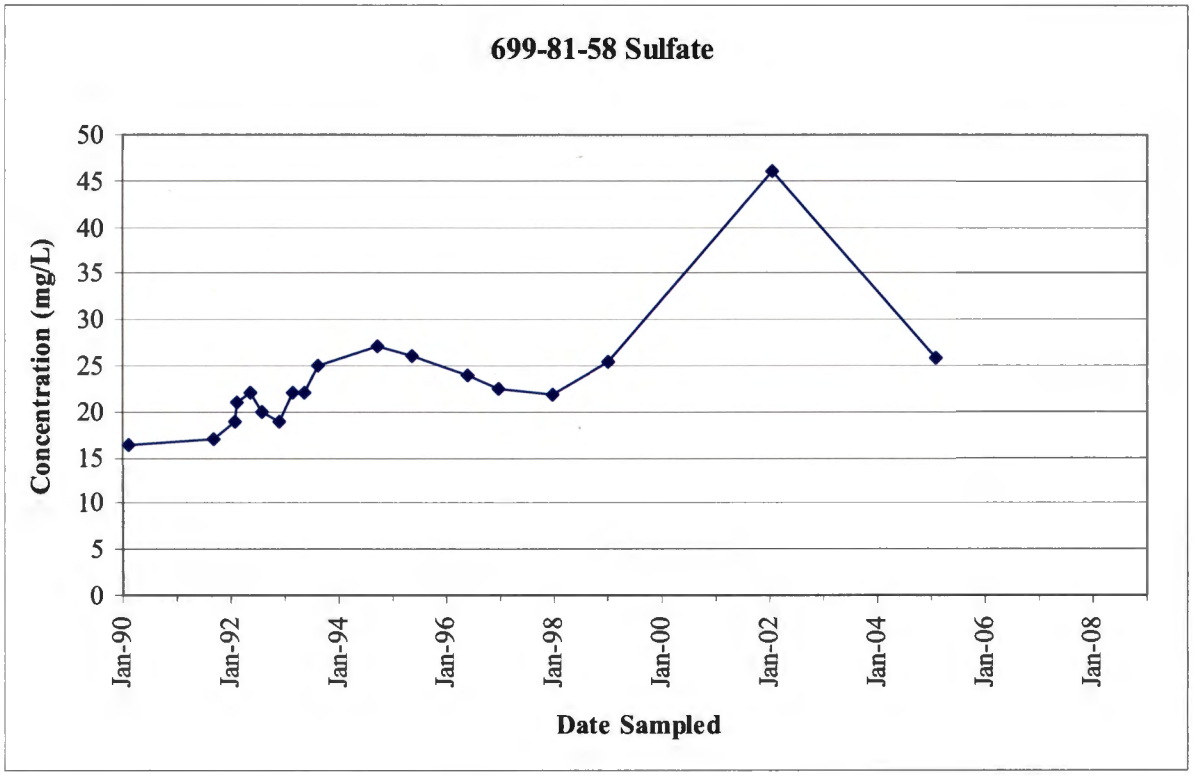

199-N-80 Sulfate
Concentration (mg/L)
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

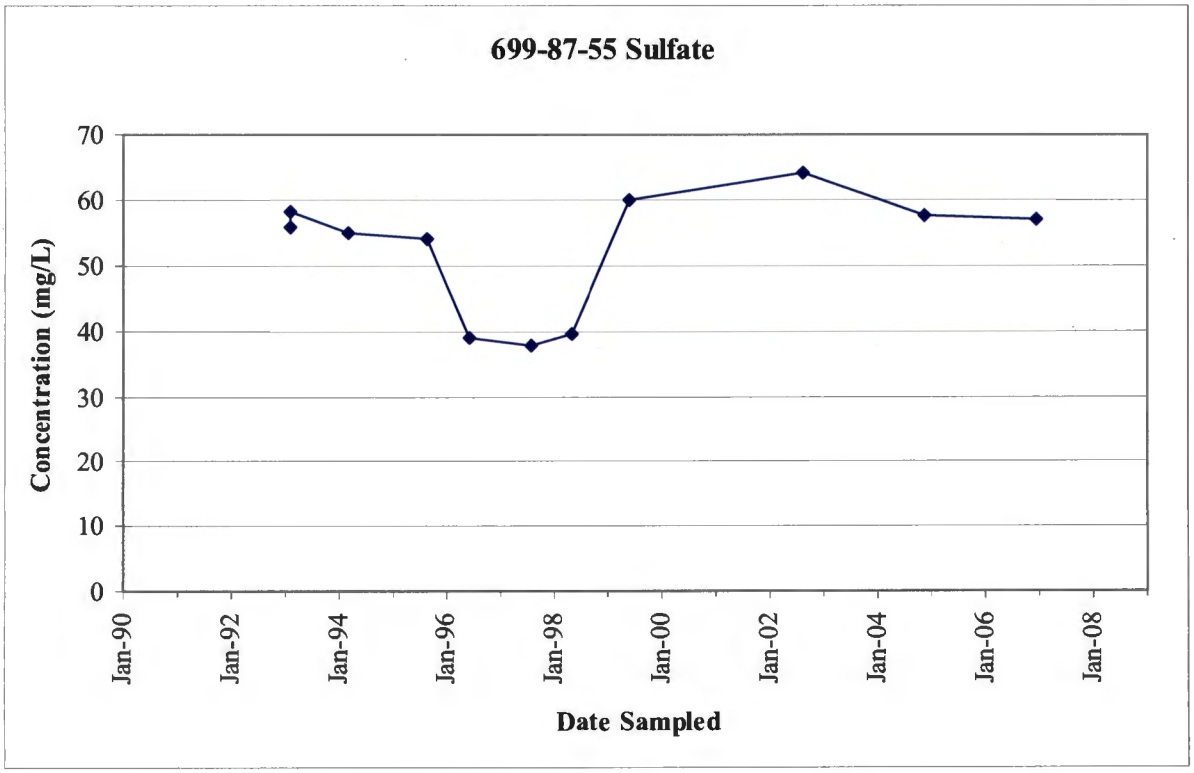

199-N-81 Sulfate
Concentration (mg/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

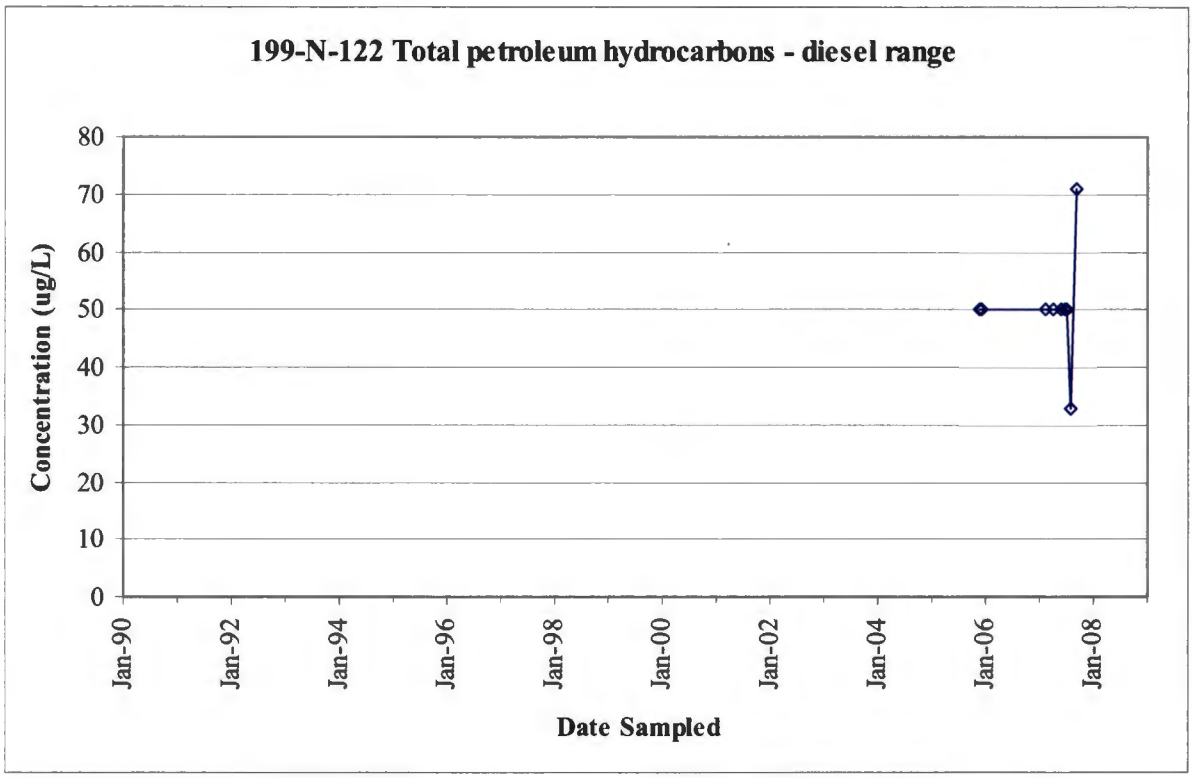

199-N-92A Sulfate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

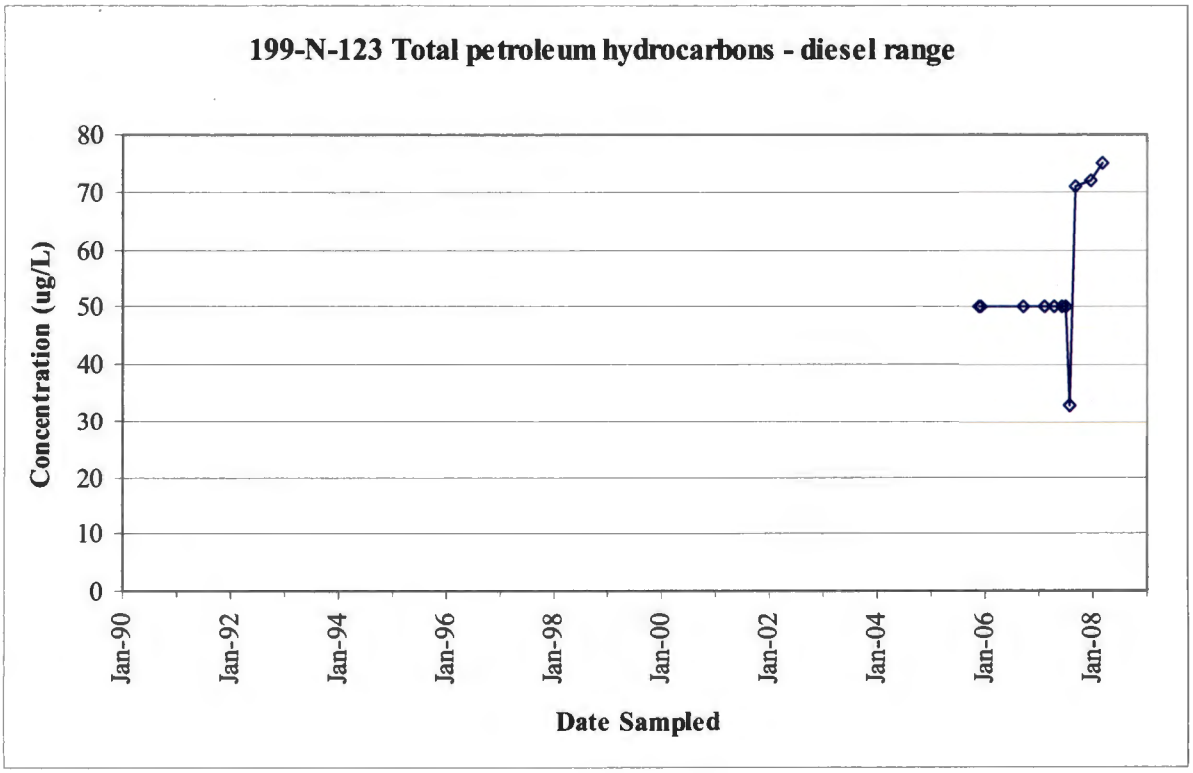

199-N-96A Sulfate
Concentration (mg/L)
200
180
160
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

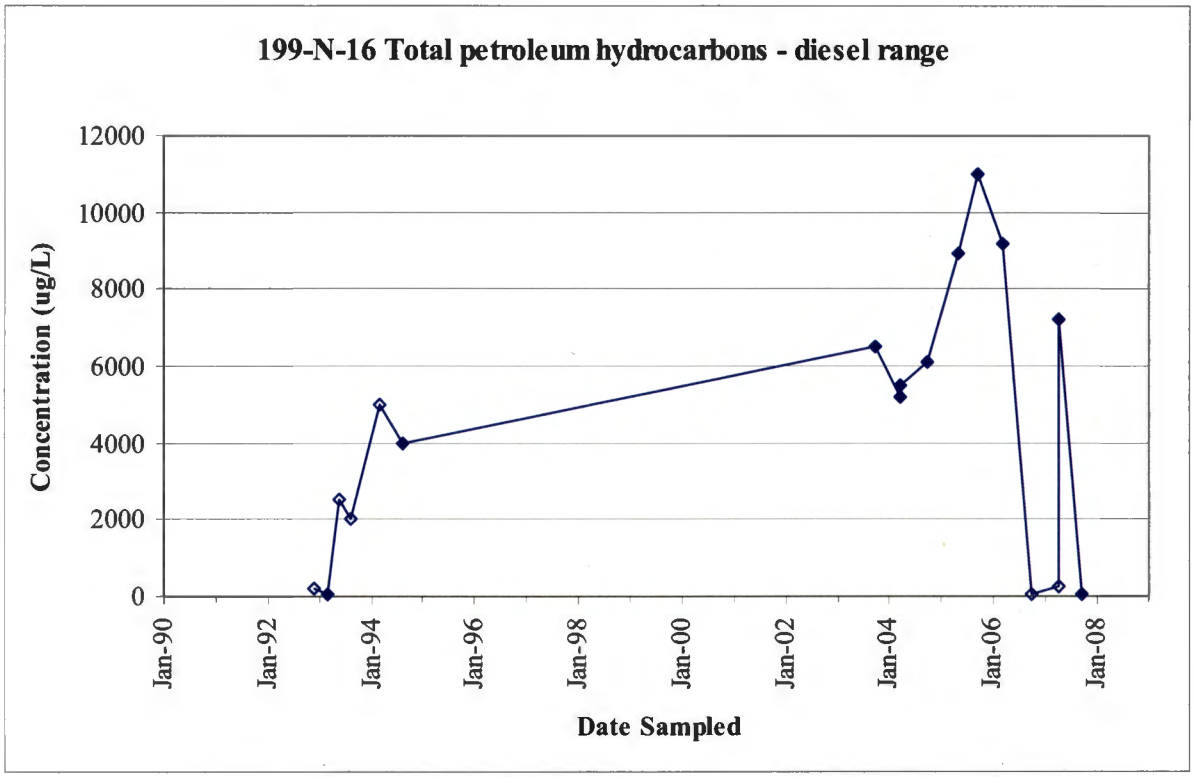

199-N-99A Sulfate
Concentration (mg/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

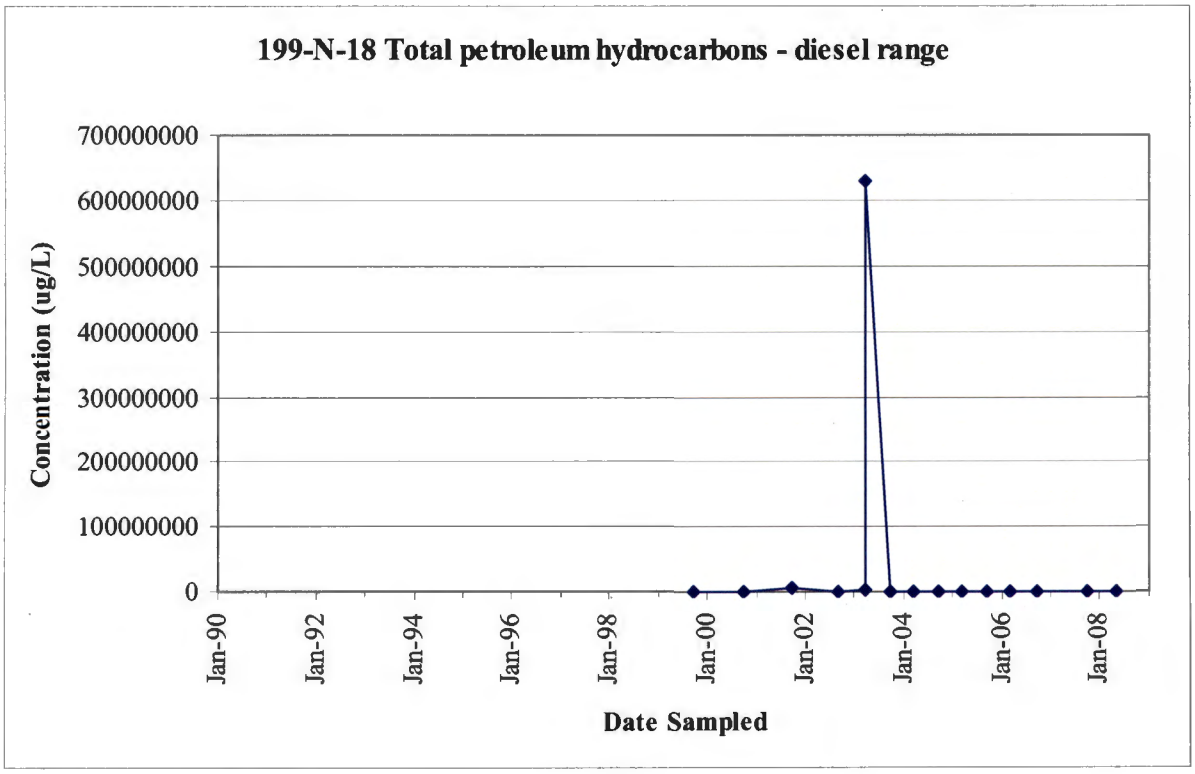

699-81-58 Sulfate
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

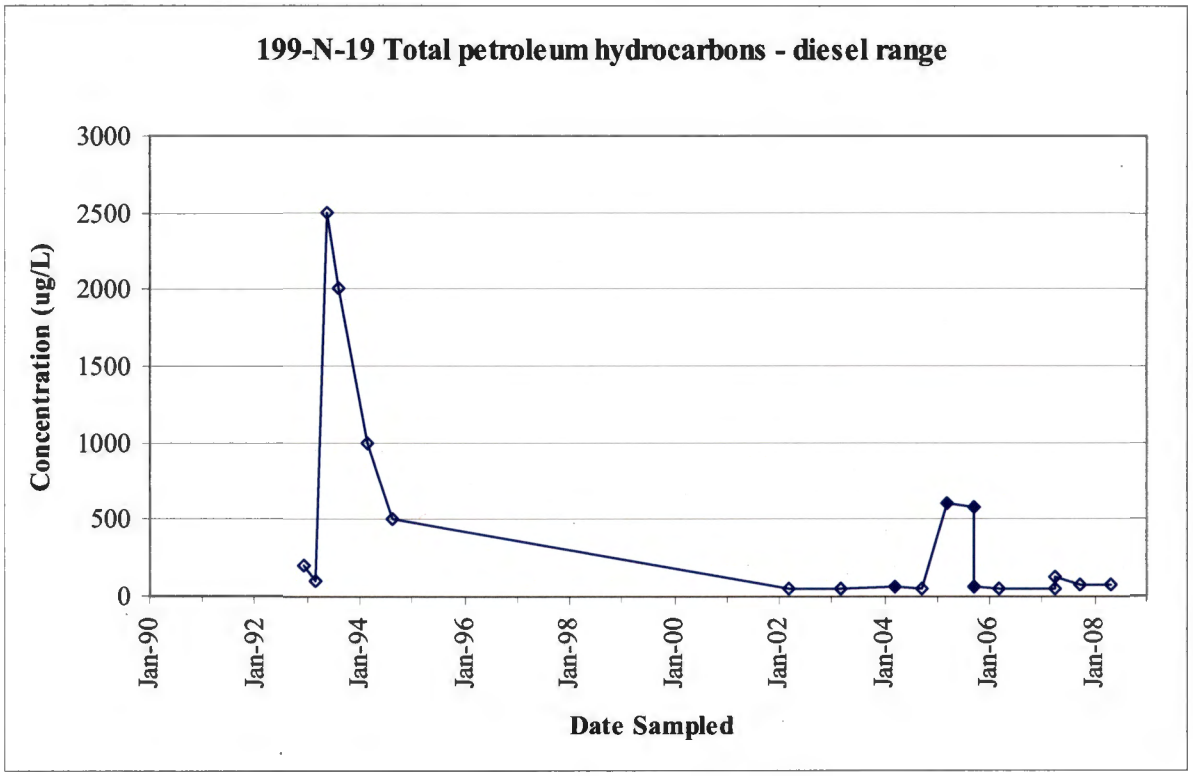

699-87-55 Sulfate
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

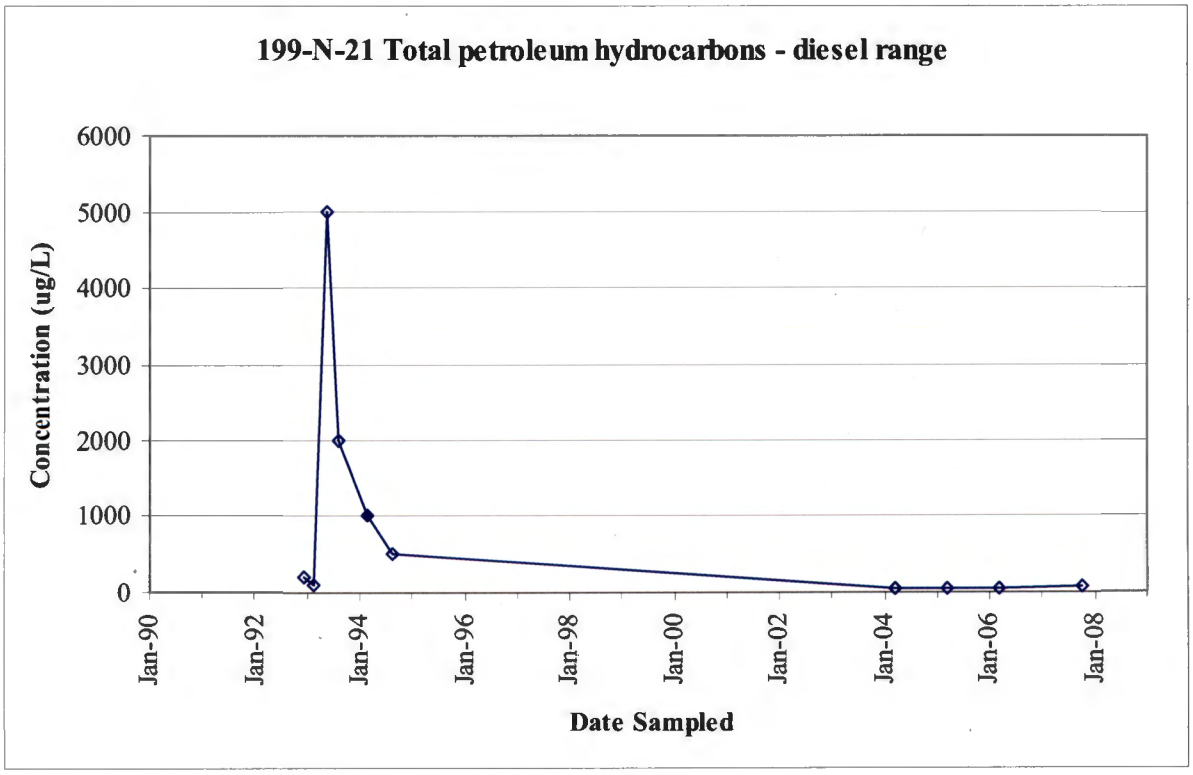

199-N-122 Total petroleum hydrocarbons - diesel range
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

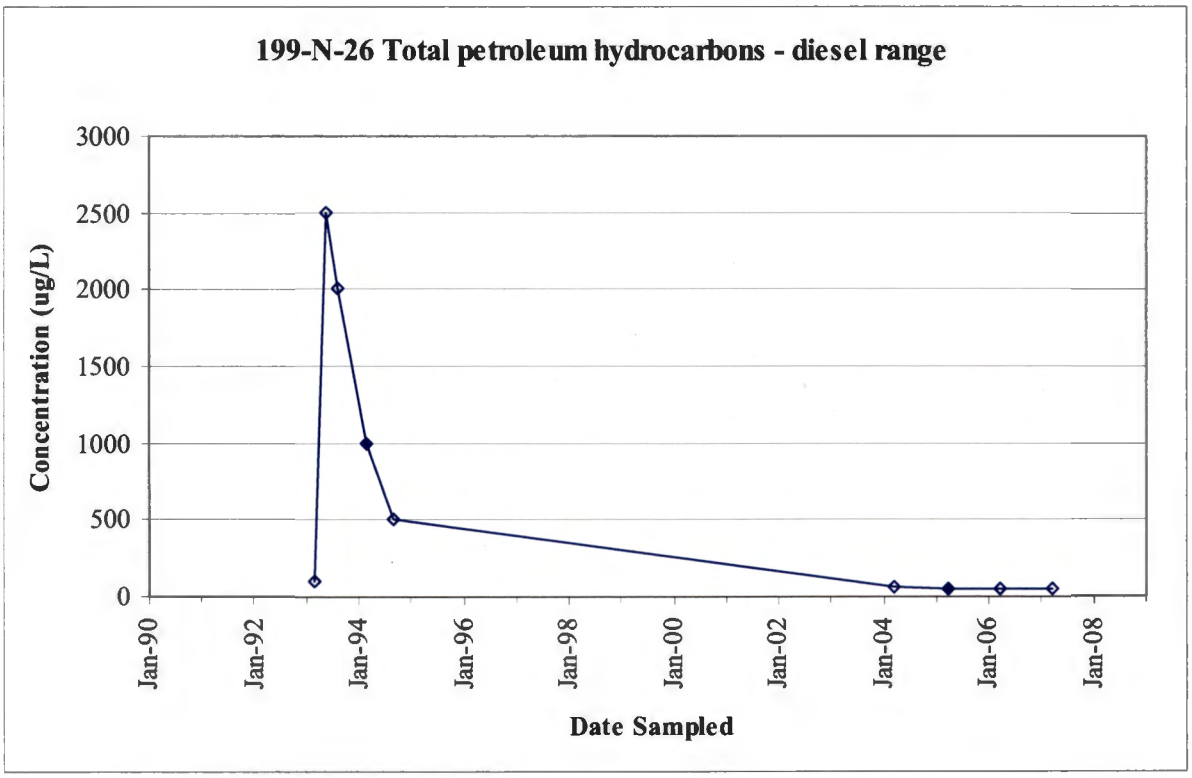

199-N-123 Total petroleum hydrocarbons - diesel range
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

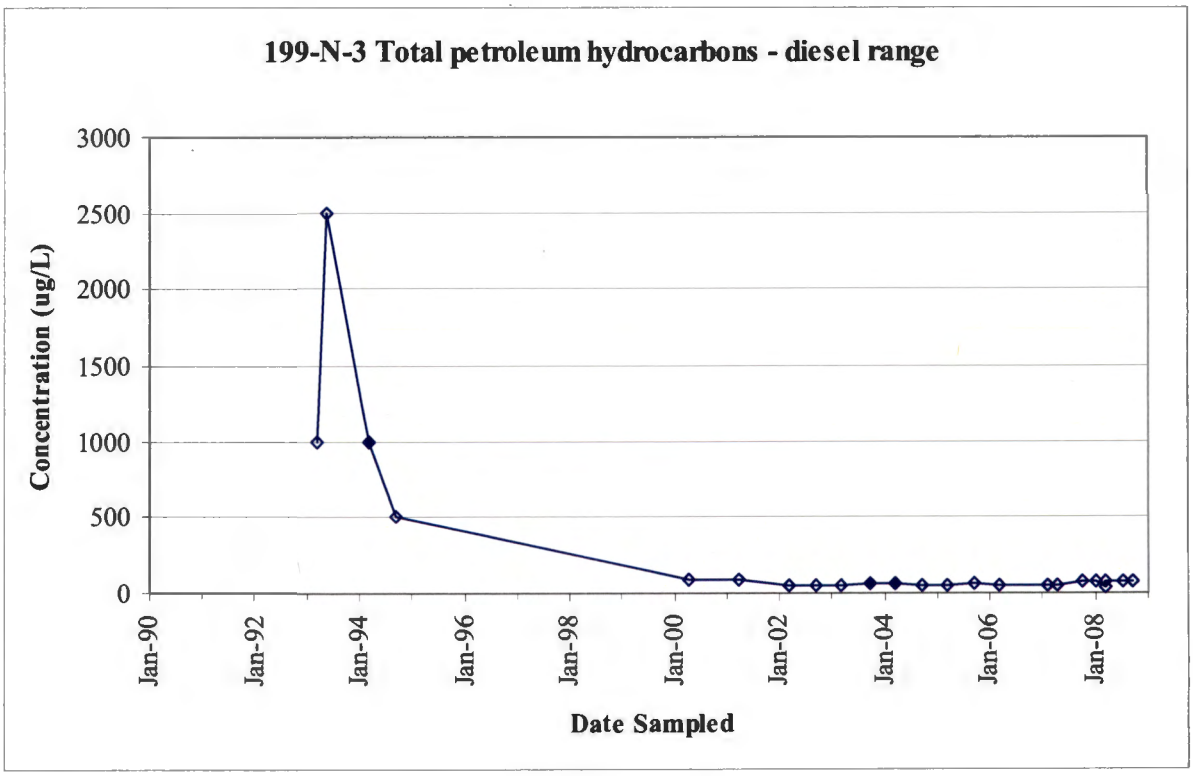

199-N-16 Total petroleum hydrocarbons - diesel range
Concentration (ug/L)
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

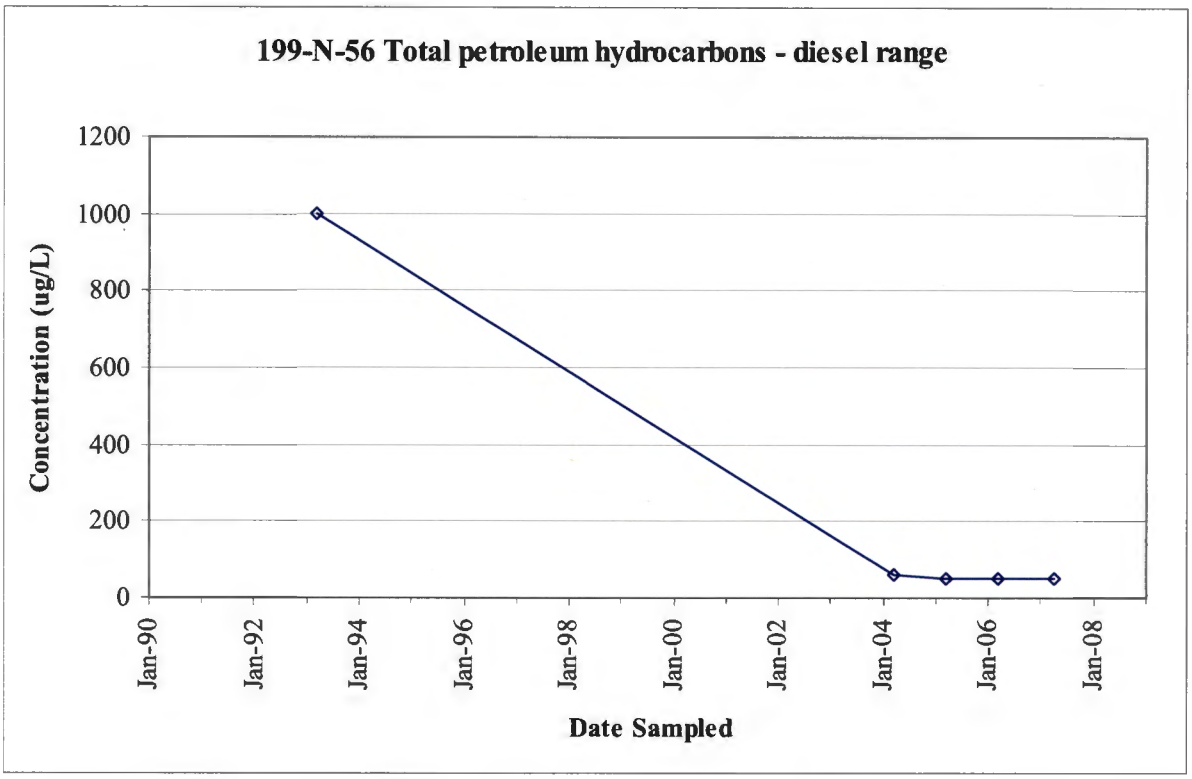

199-N-18 Total petroleum hydrocarbons - diesel range
Concentration (ug/L)
700000000
600000000
500000000
400000000
300000000
200000000
100000000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

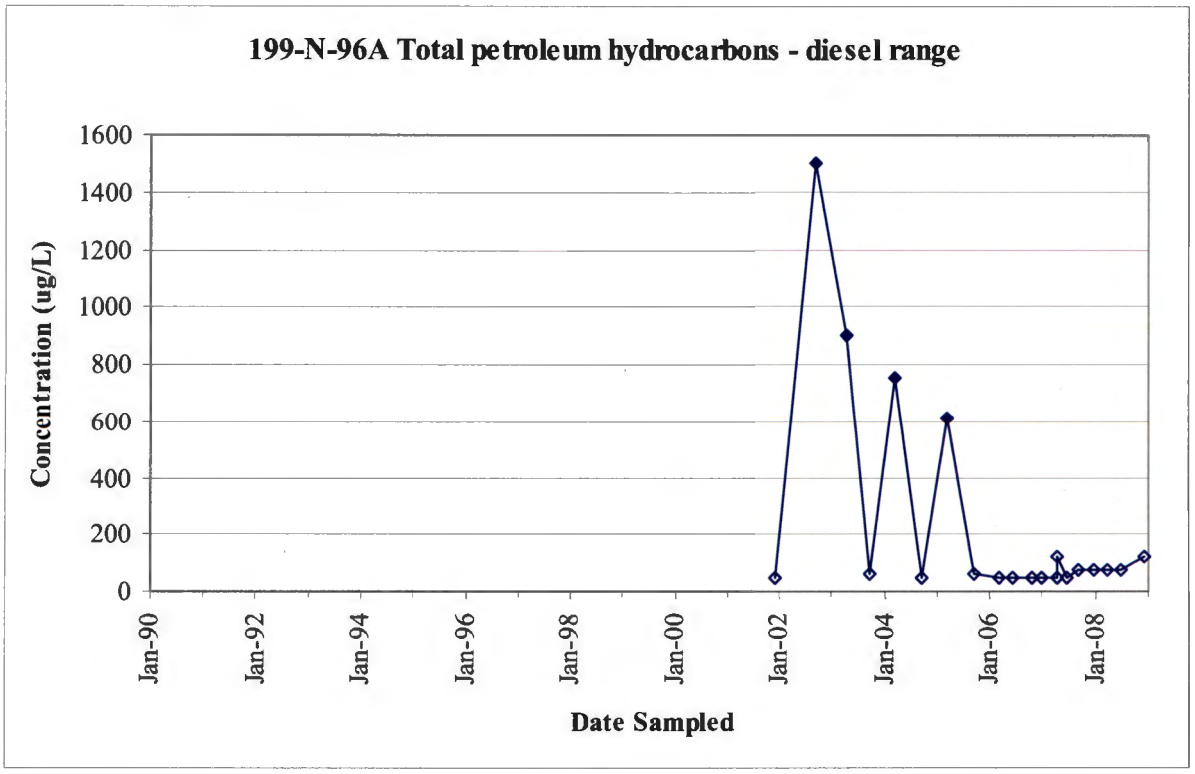

199-N-19 Total petroleum hydrocarbons - diesel range
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

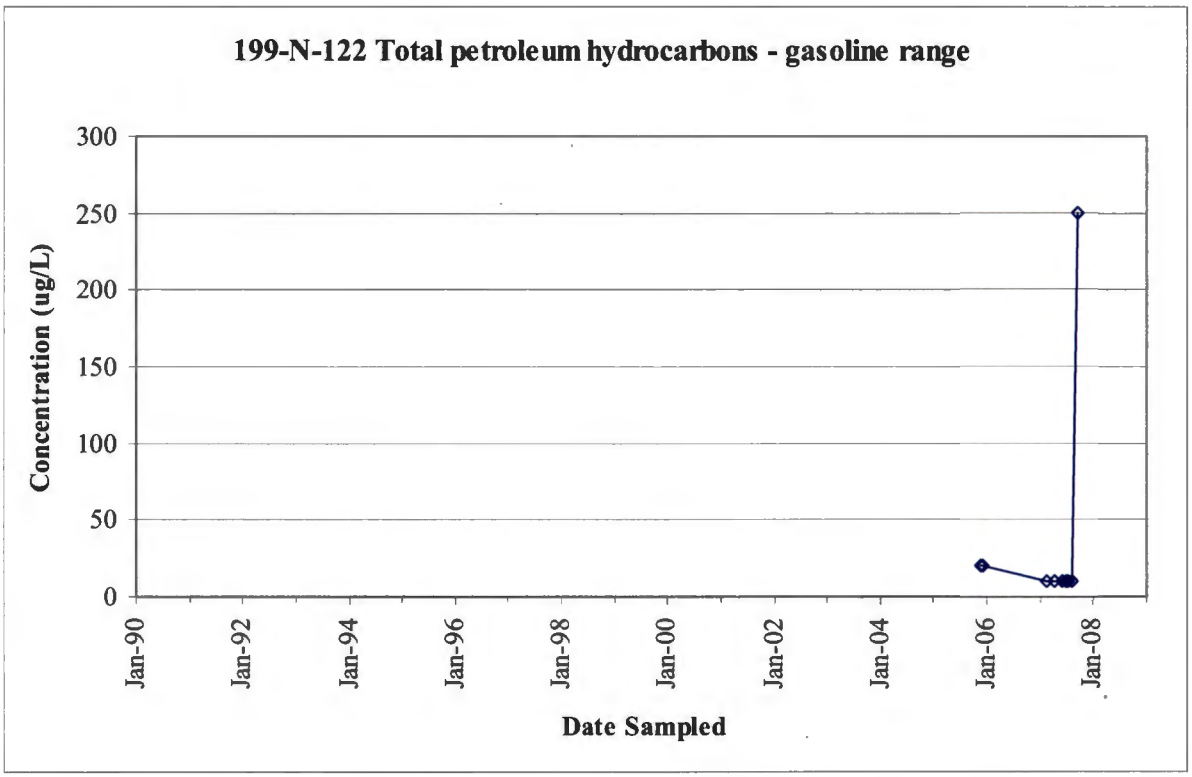

199-N-21 Total petroleum hydrocarbons - diesel range
Concentration (ug/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

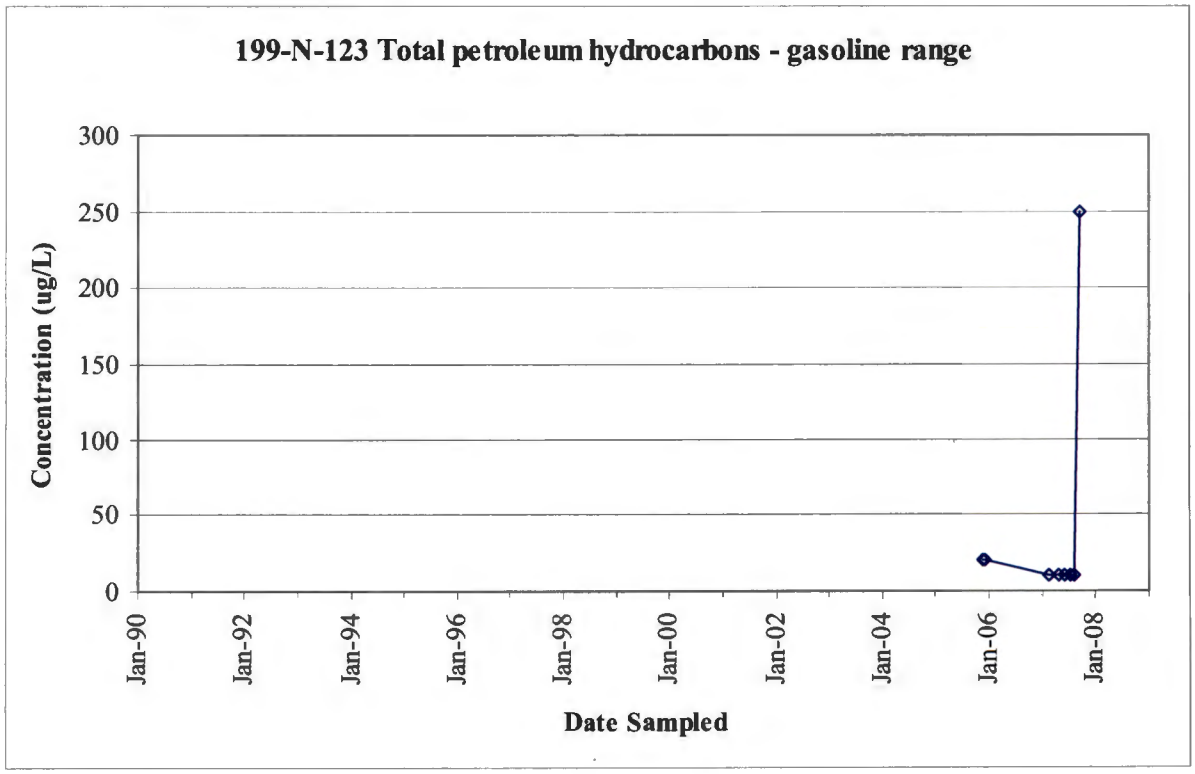

199-N-26 Total petroleum hydrocarbons - diesel range
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

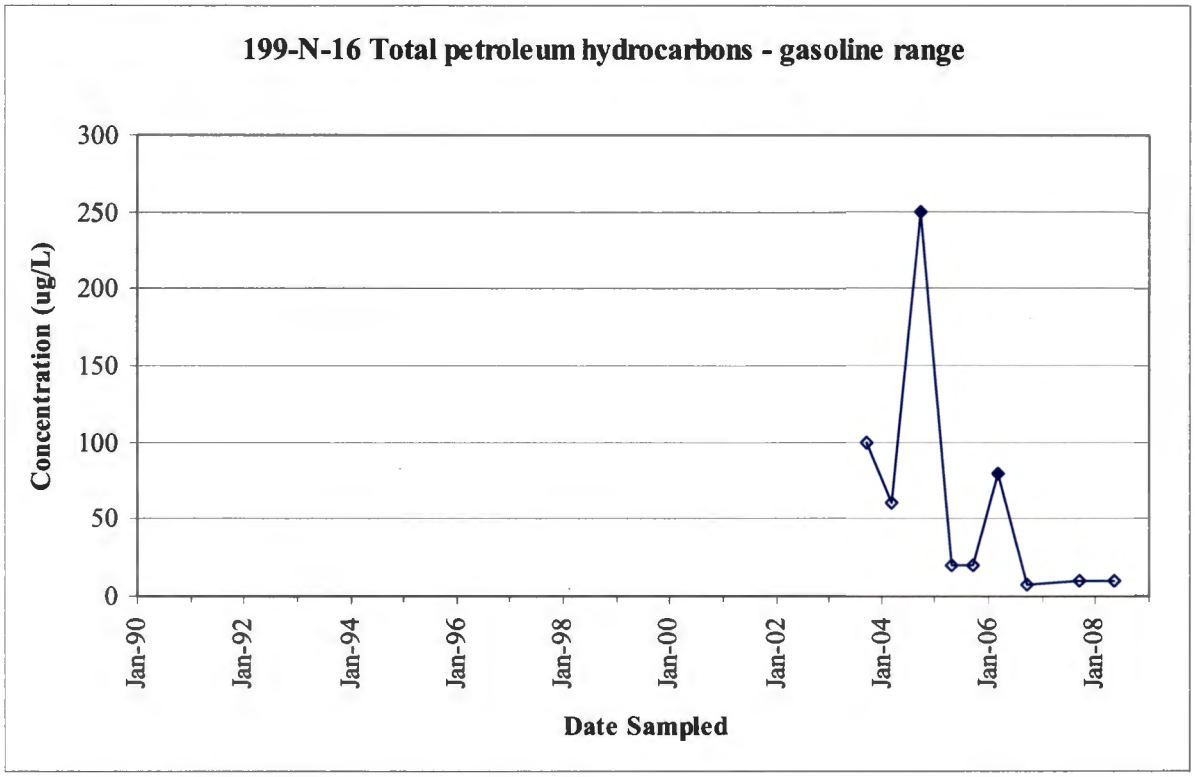

199-N-3 Total petroleum hydrocarbons - diesel range
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

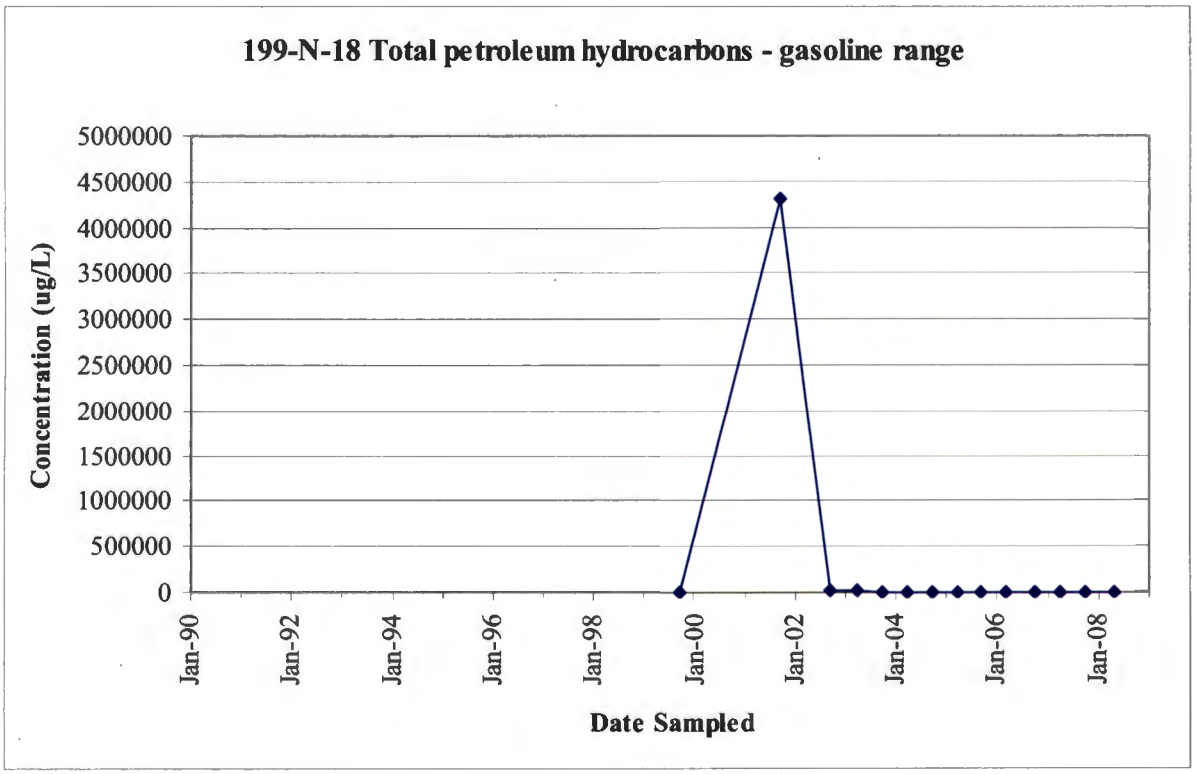

199-N-56 Total petroleum hydrocarbons - diesel range
Concentration (ug/L)
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

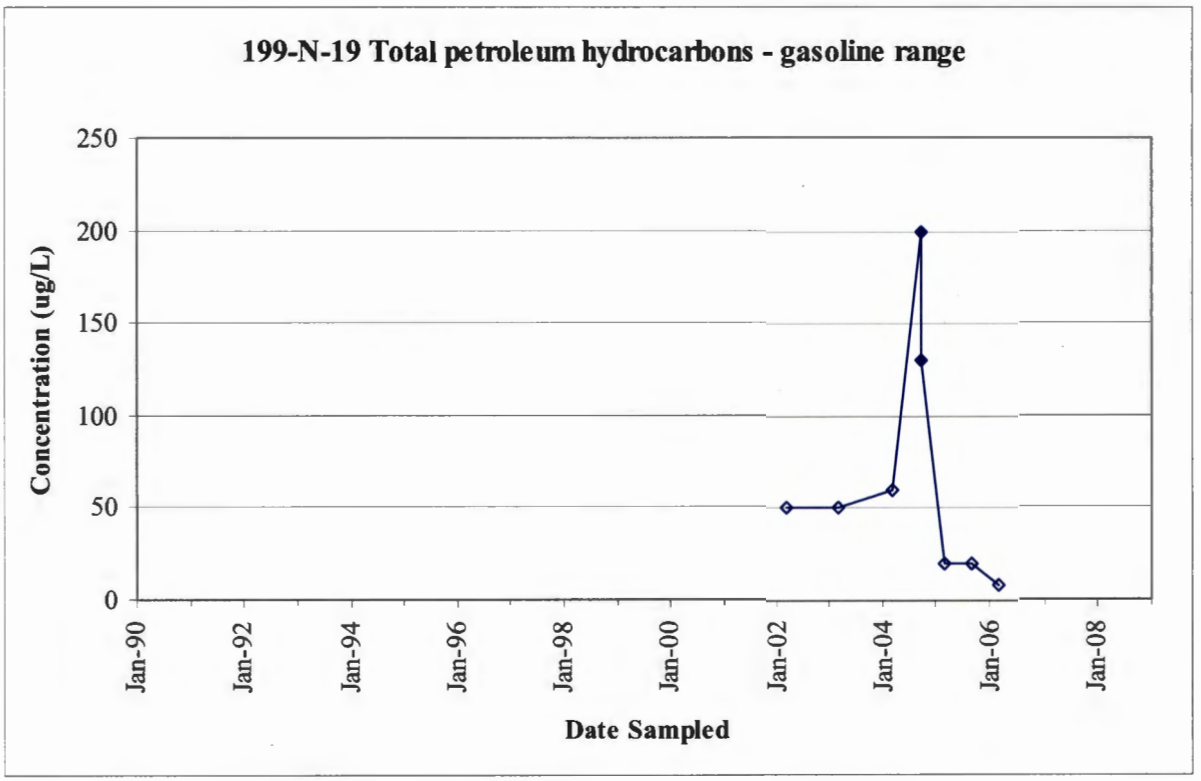

199-N-96A Total petroleum hydrocarbons - diesel range
Concentration (ug/L)
1600
1400
1200
1000
800
600
400
200
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

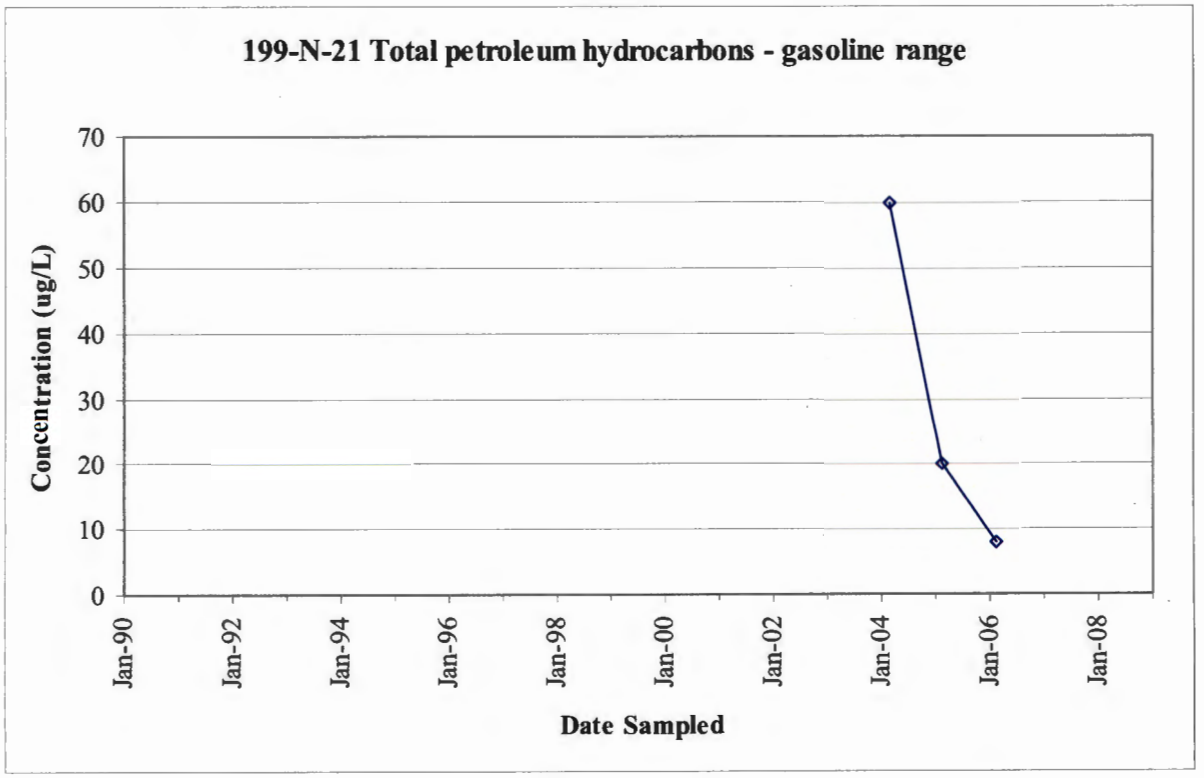

199-N-122 Total petroleum hydrocarbons - gasoline range
Concentration (ug/L)
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

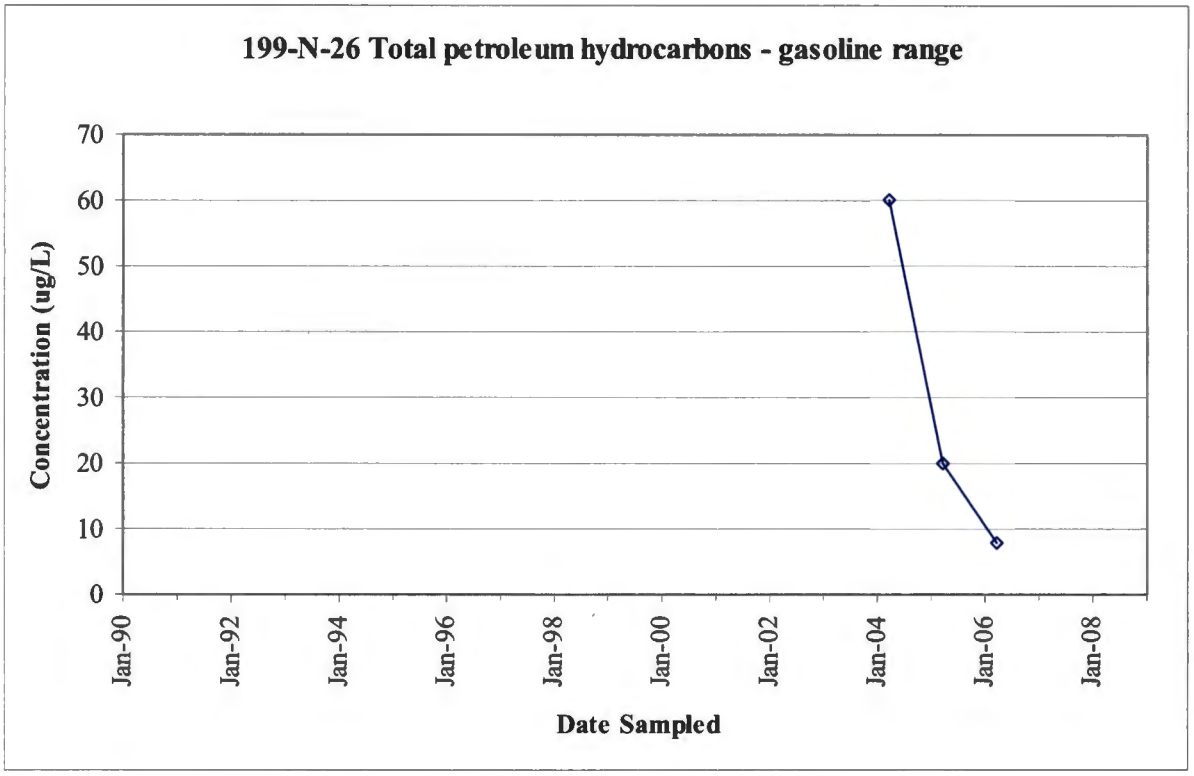

199-N-123 Total petroleum hydrocarbons - gasoline range
Concentration (ug/L)
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

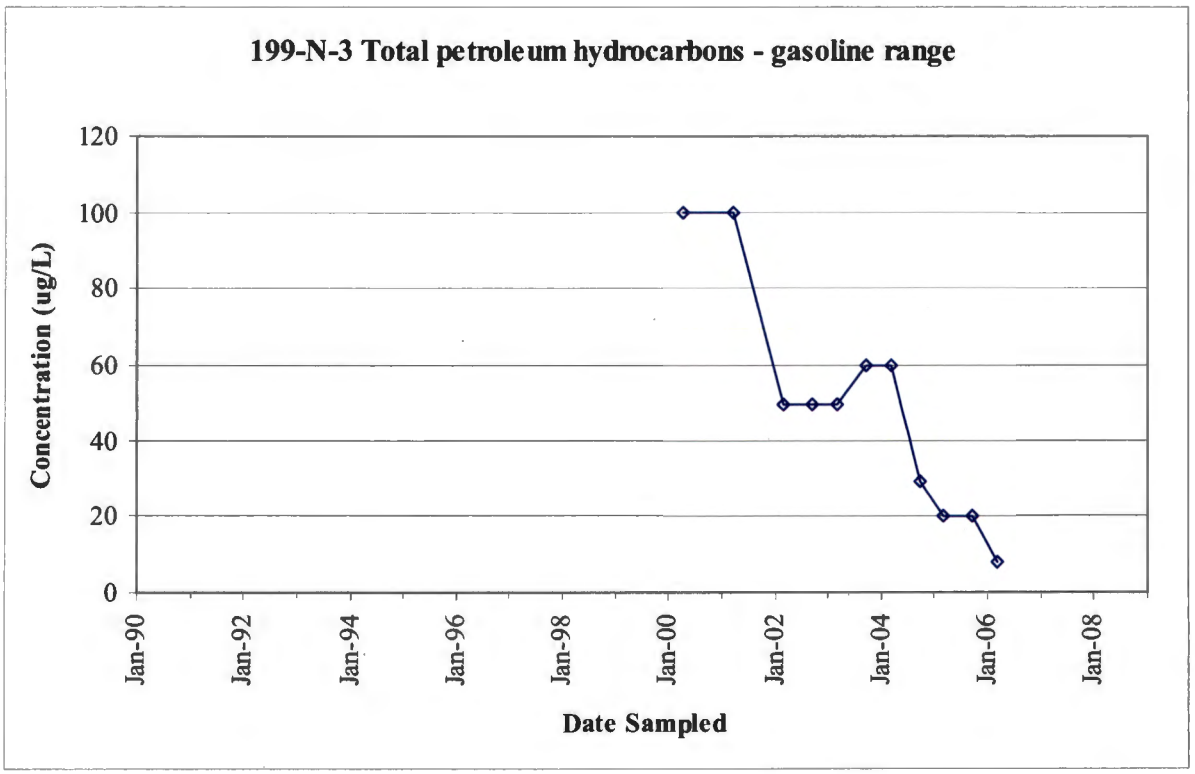

199-N-16 Total petroleum hydrocarbons - gasoline range
Concentration (ug/L)
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

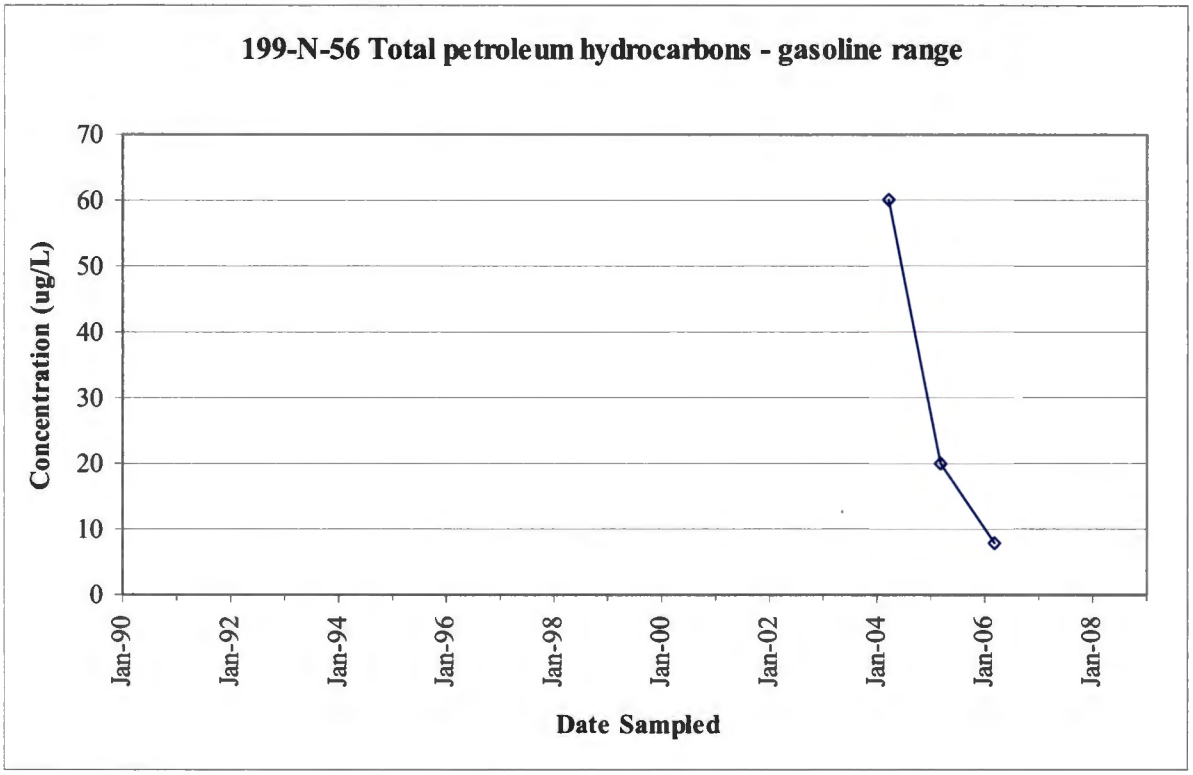

199-N-18 Total petroleum hydrocarbons - gasoline range
Concentration (ug/L)
5000000
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

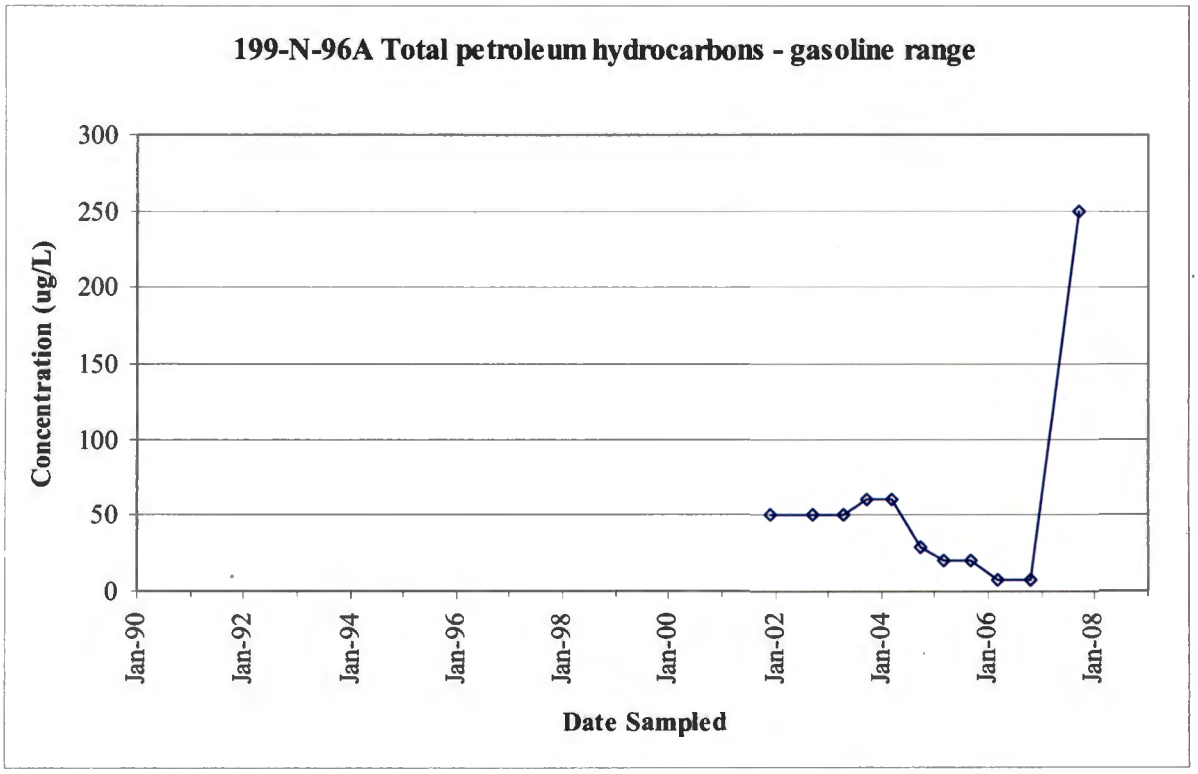

199-N-19 Total petroleum hydrocarbons - gasoline range
Concentration (ug/L)
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

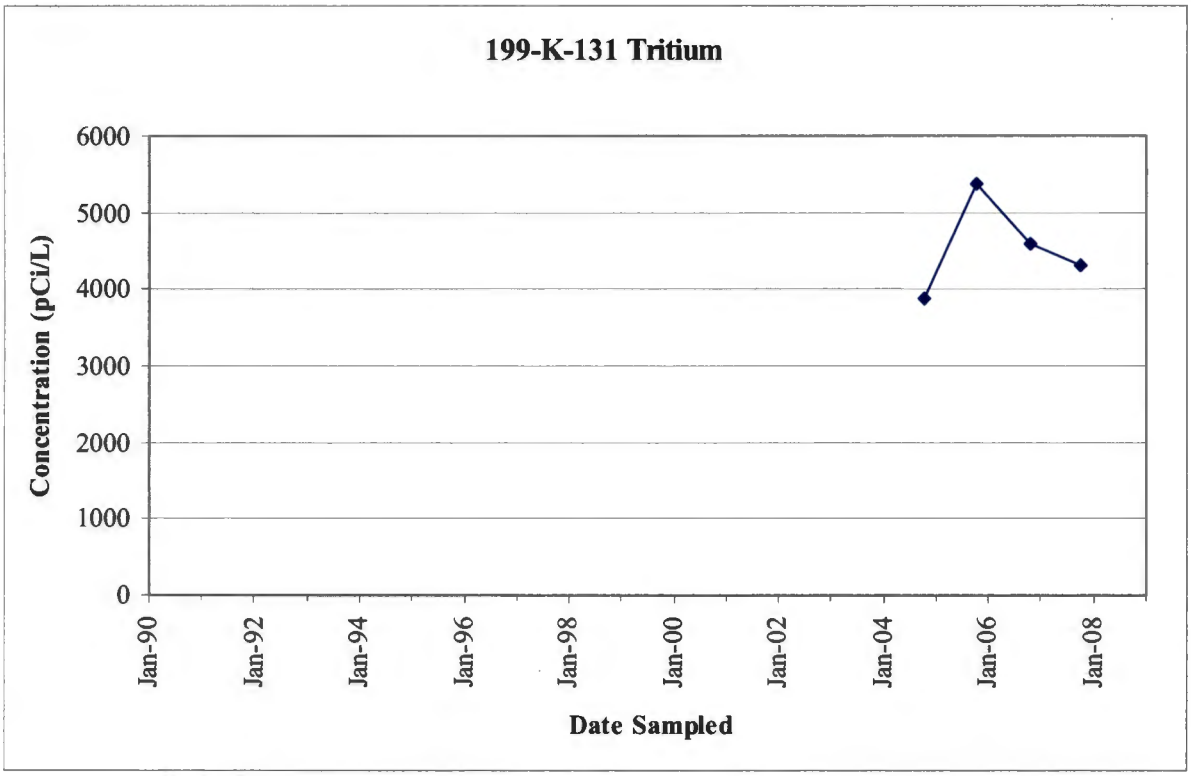

199-N-21 Total petroleum hydrocarbons - gasoline range
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

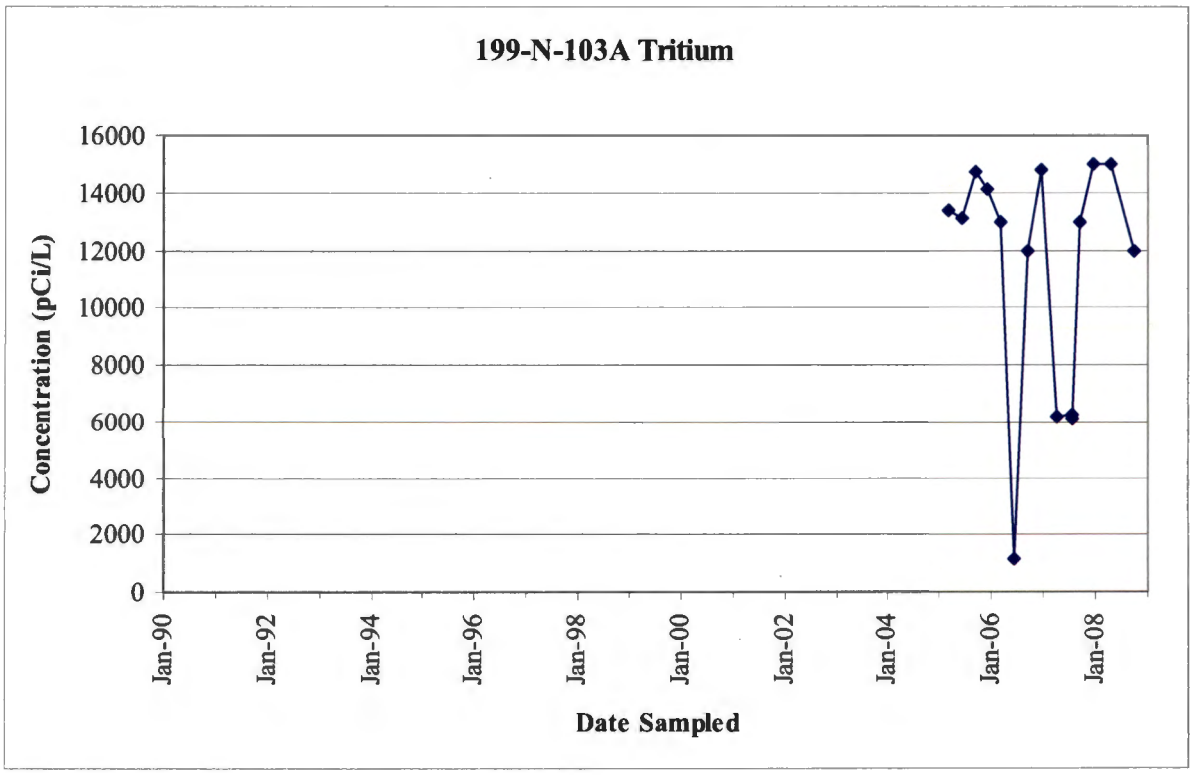

199-N-26 Total petroleum hydrocarbons - gasoline range
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

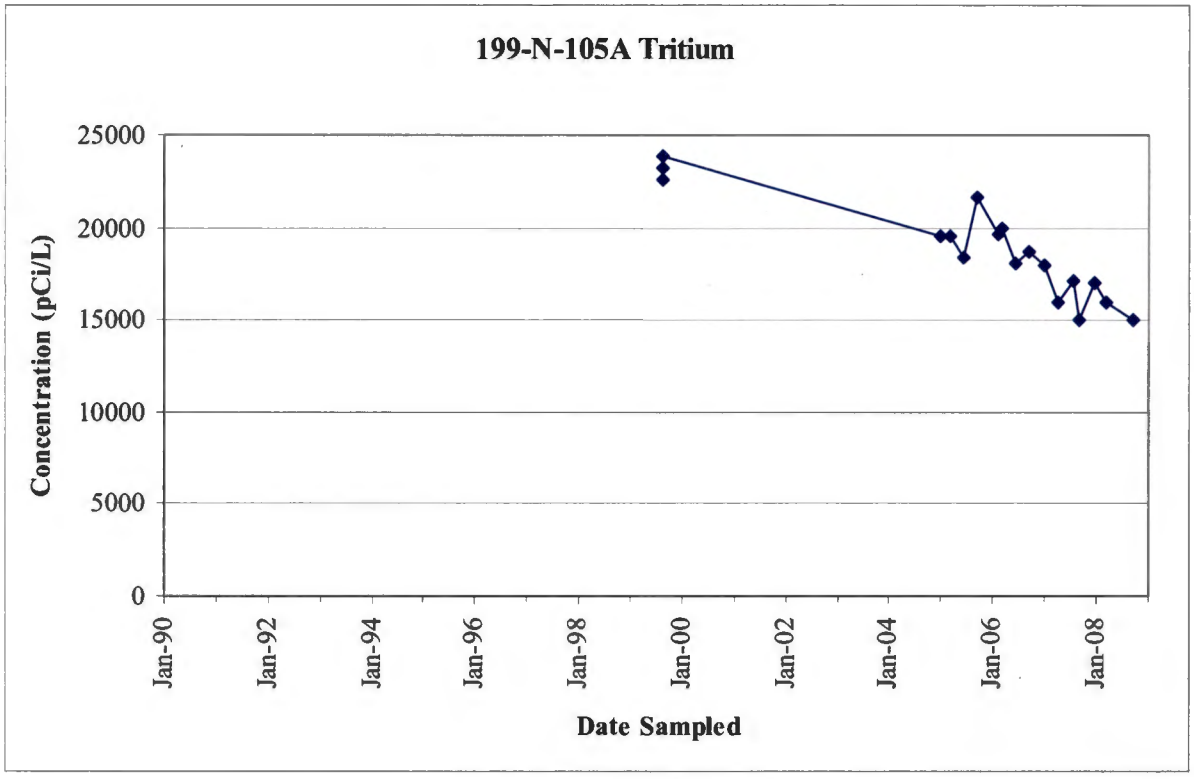

199-N-3 Total petroleum hydrocarbons - gasoline range
Concentration (ug/L)
120
100
80
60
40
20
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

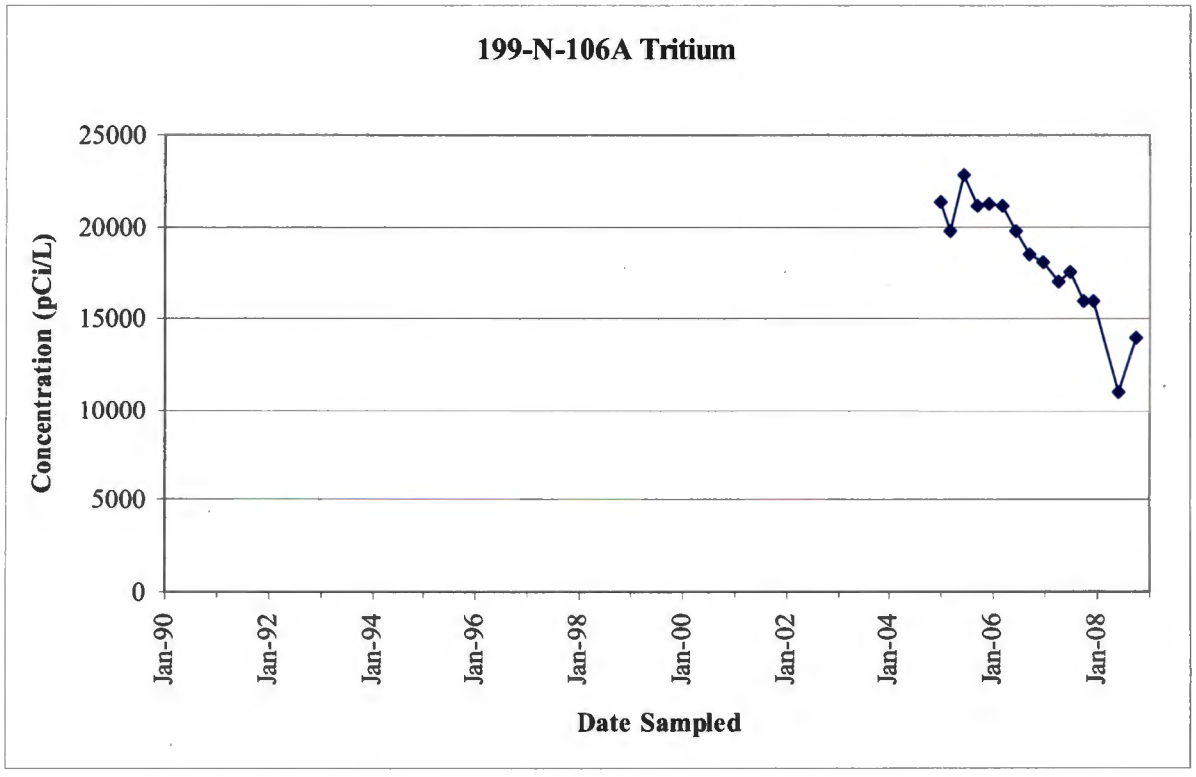

199-N-56 Total petroleum hydrocarbons - gasoline range
Concentration (ug/L)
70
60
50
40
30
20
10
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

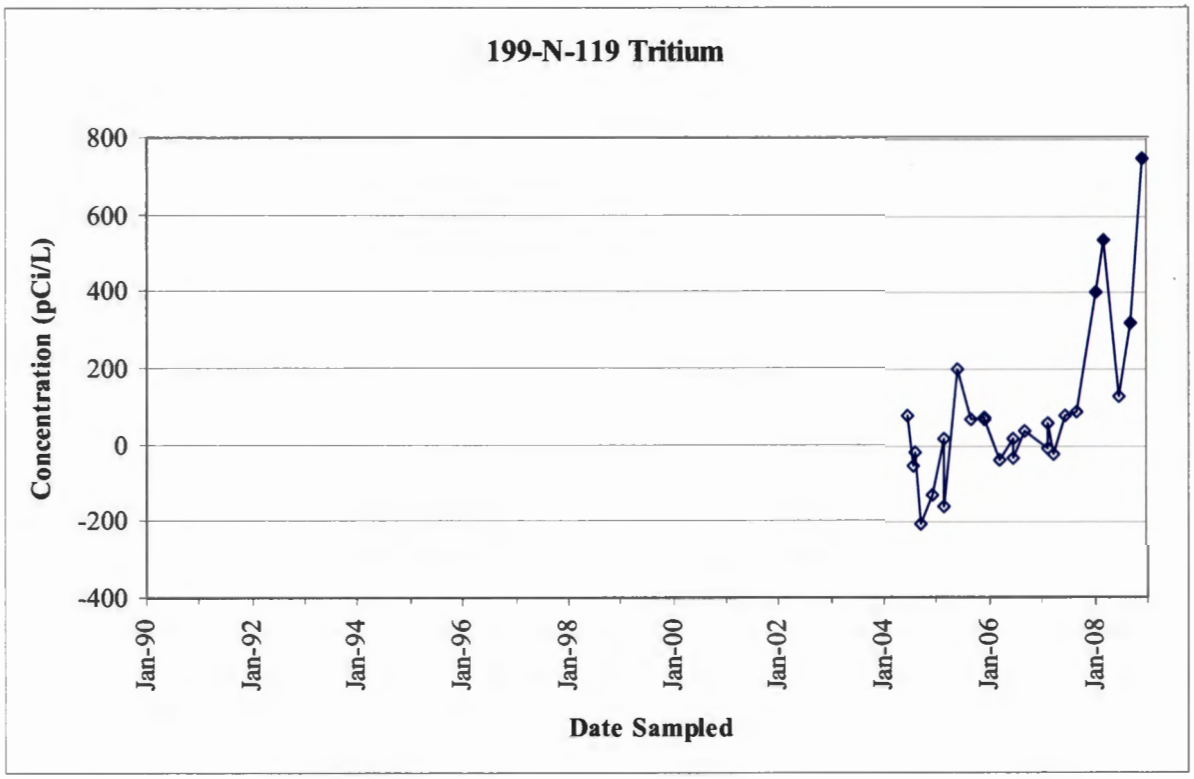

199-N-96A Total petroleum hydrocarbons - gasoline range
Concentration (ug/L)
300
250
200
150
100
50
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

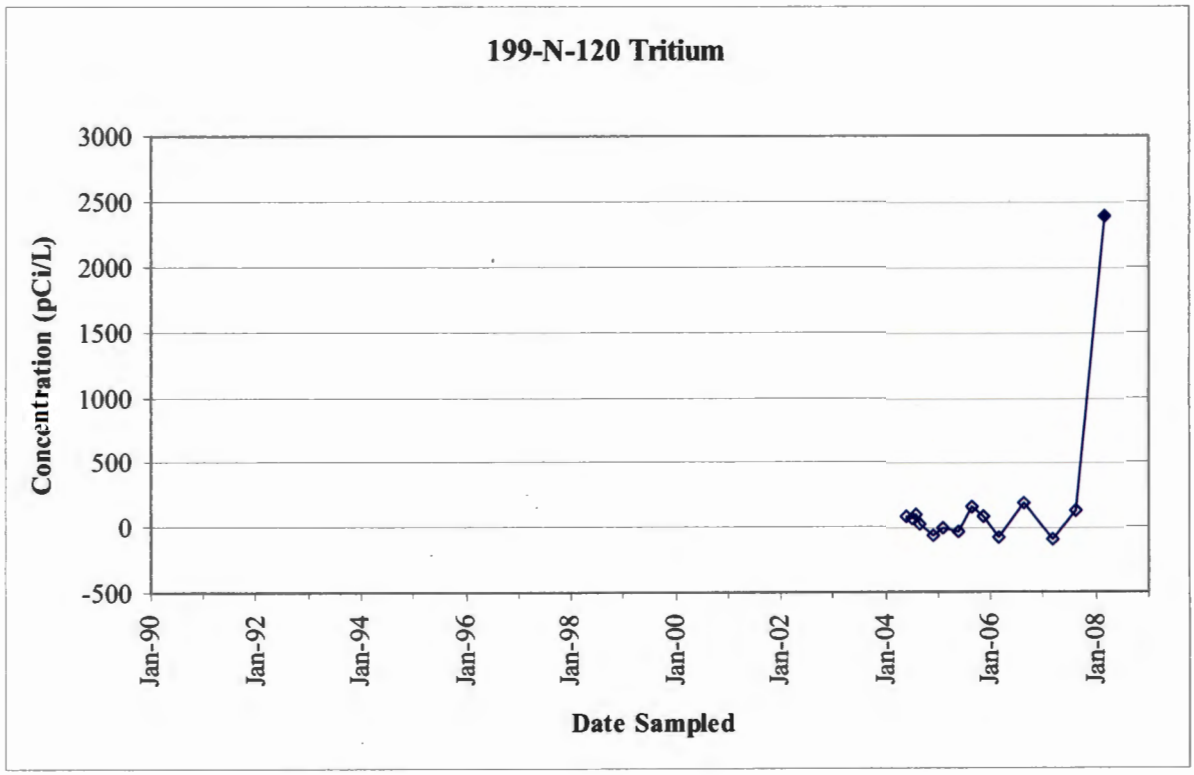

199-K-131 Tritium
Concentration (pCi/L)
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

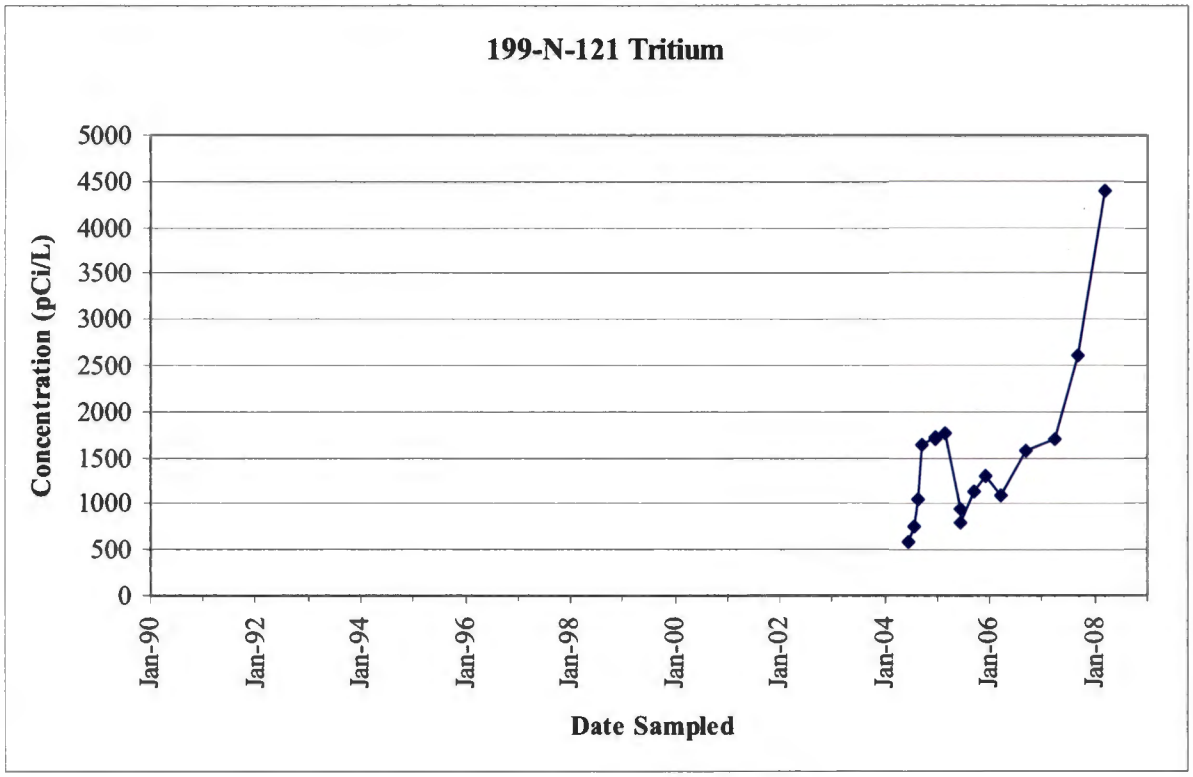

199-N-103A Tritium
Concentration (pCi/L)
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

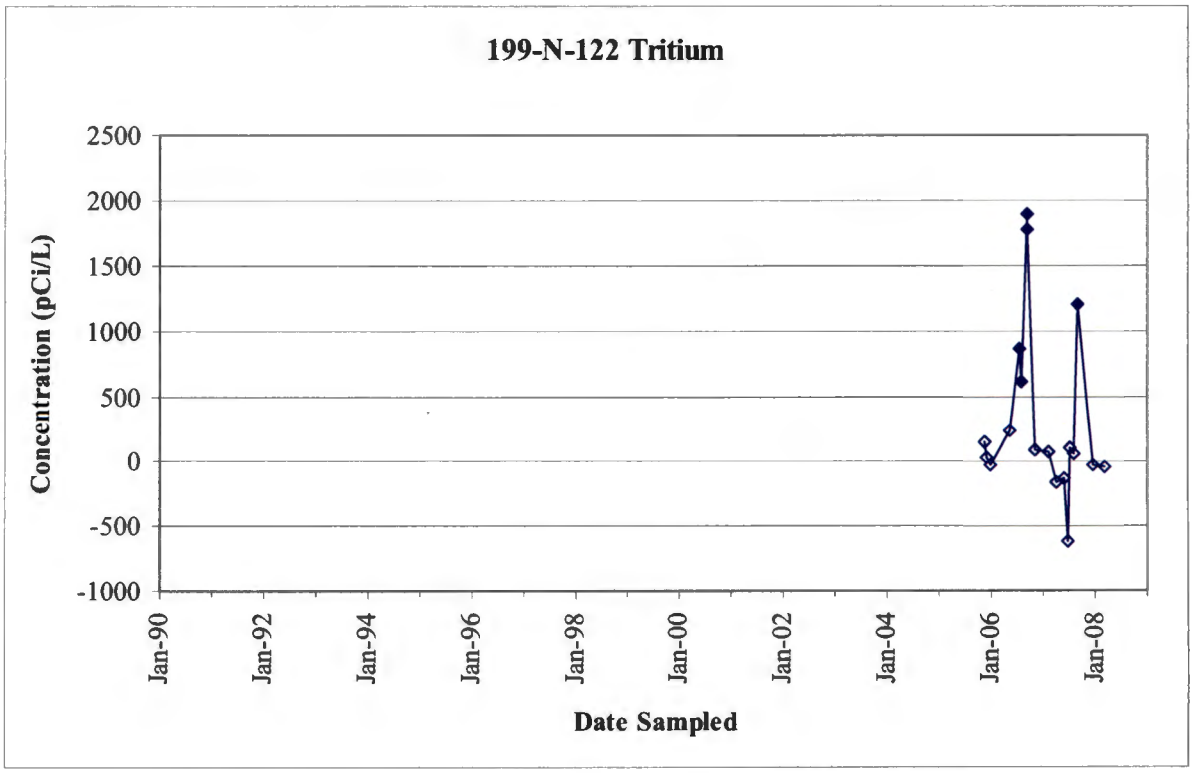

199-N-105A Tritium
Concentration (pCi/L)
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

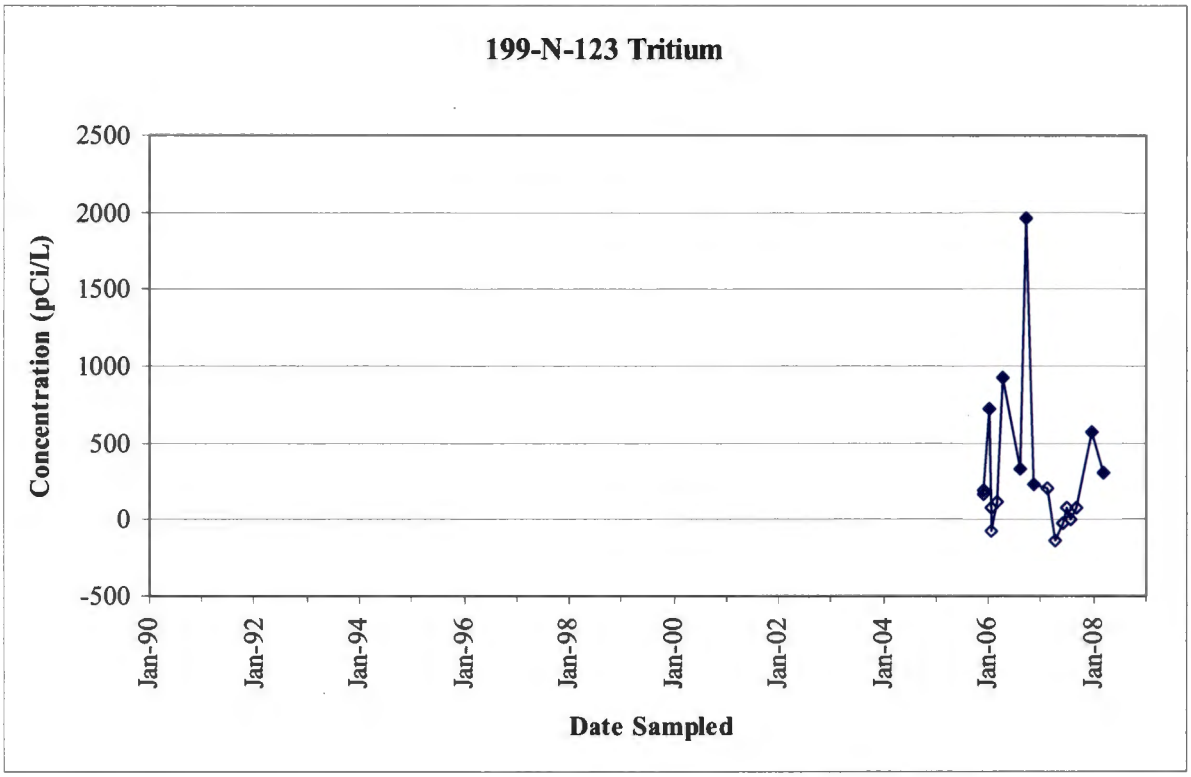

199-N-106A Tritium
Concentration (pCi/L)
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

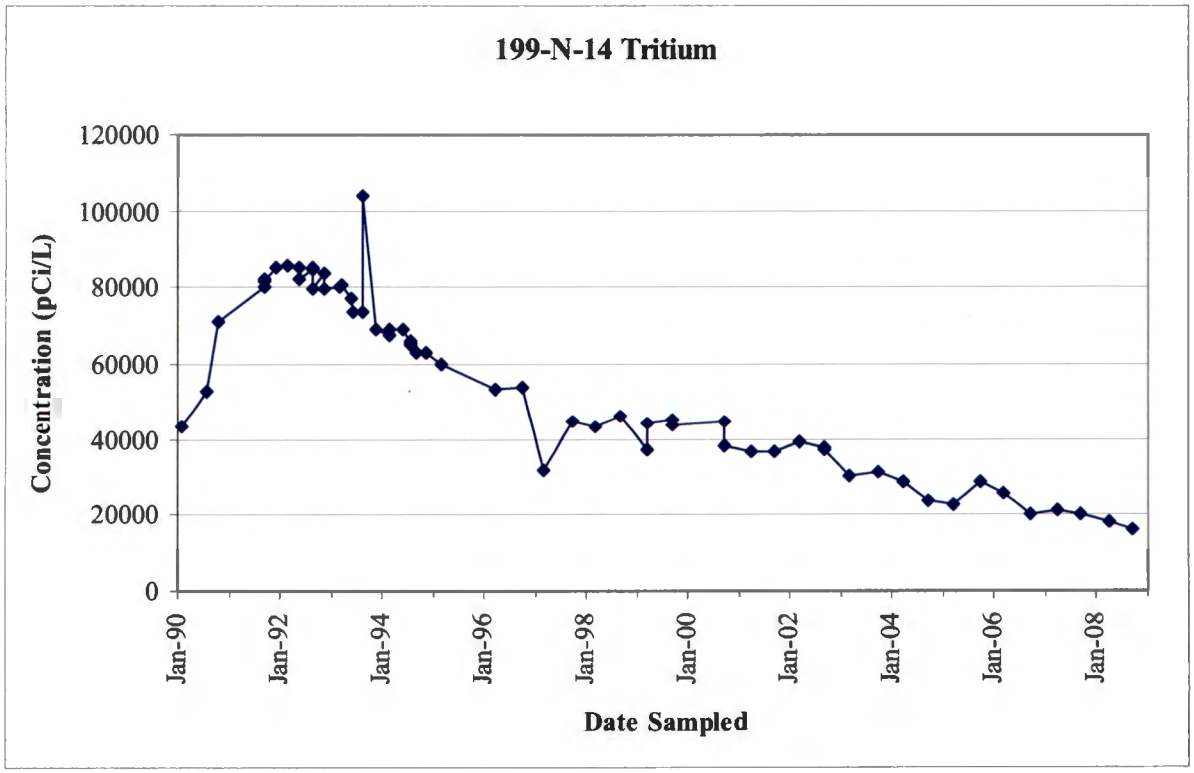

199-N-119 Tritium
Concentration (pCi/L)
800
600
400
200
0
-200
-400
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

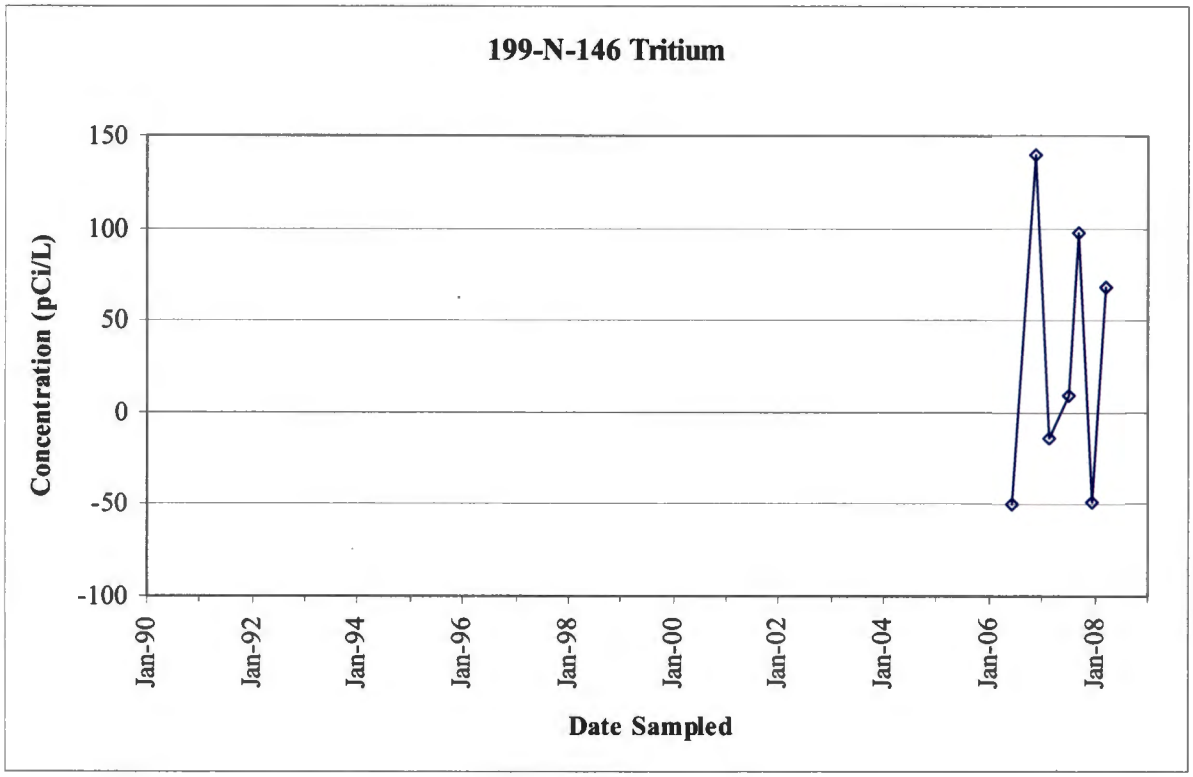

199-N-120 Tritium
Concentration (pCi/L)
3000
2500
2000
1500
1000
500
0
-500
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

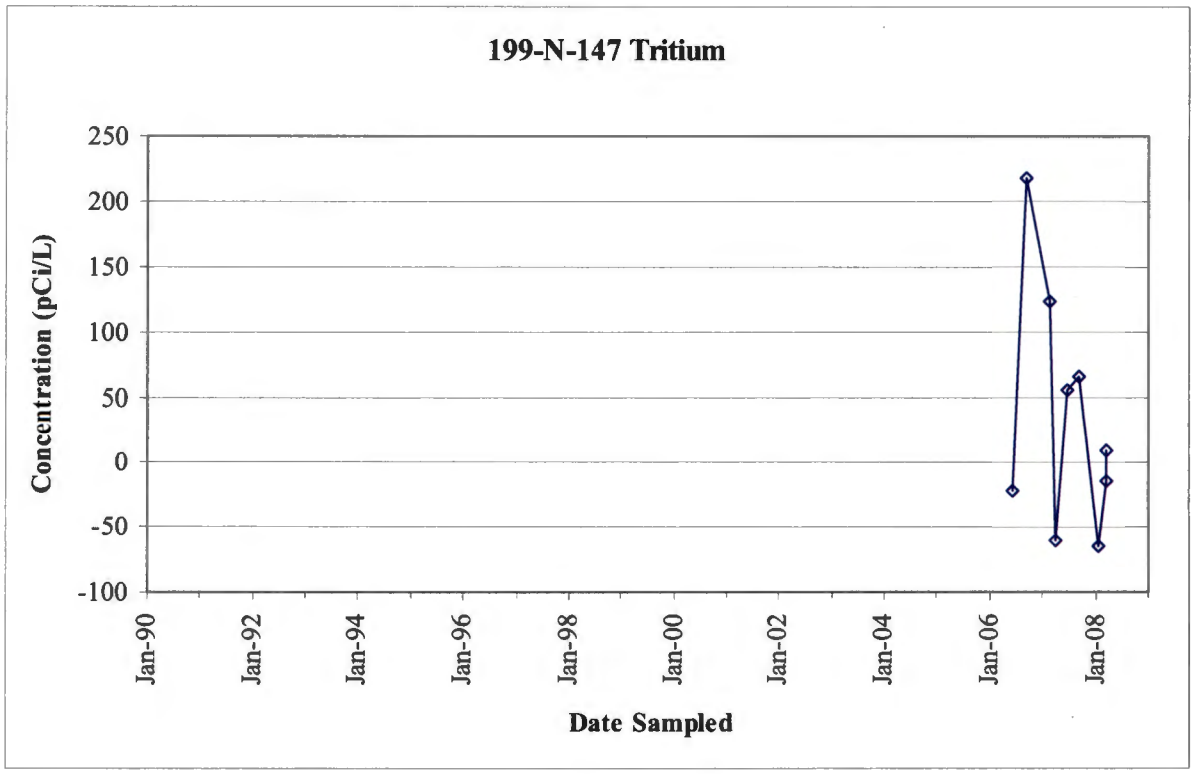

199-N-121 Tritium
Concentration (pCi/L)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

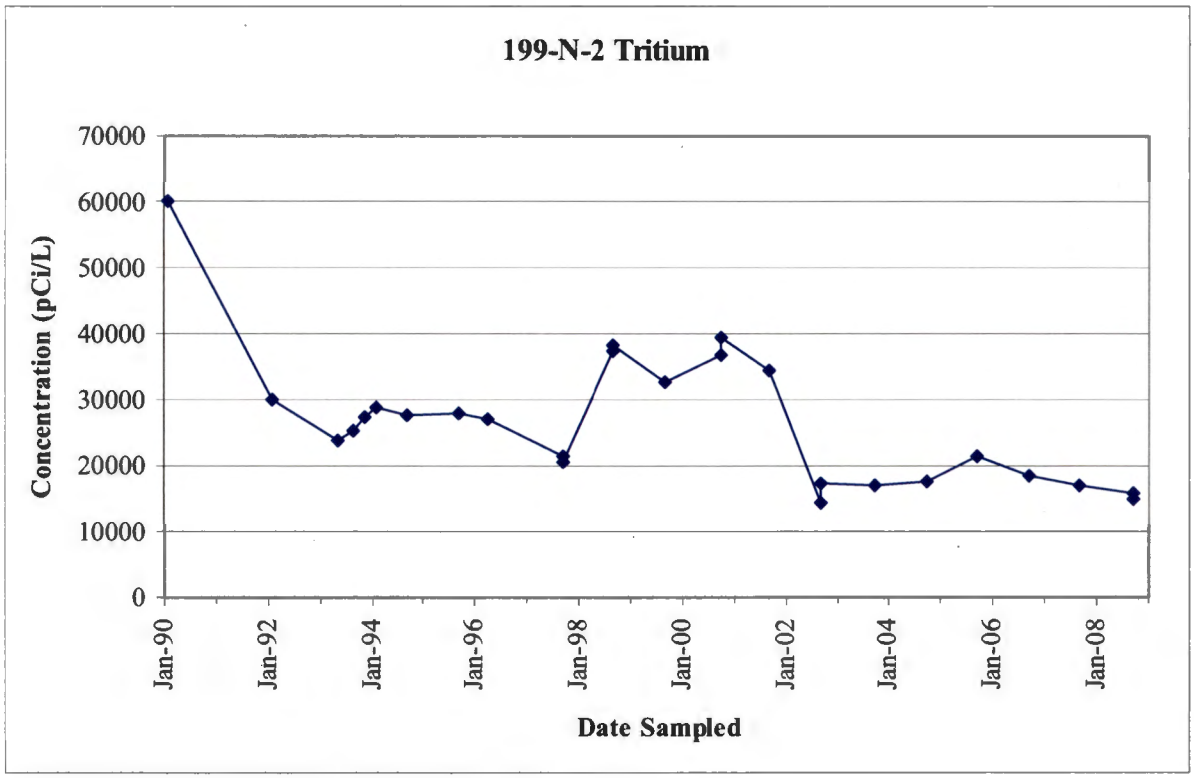

199-N-122 Tritium
Concentration (pCi/L)
2500
2000
1500
1000
500
0
-500
-1000
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

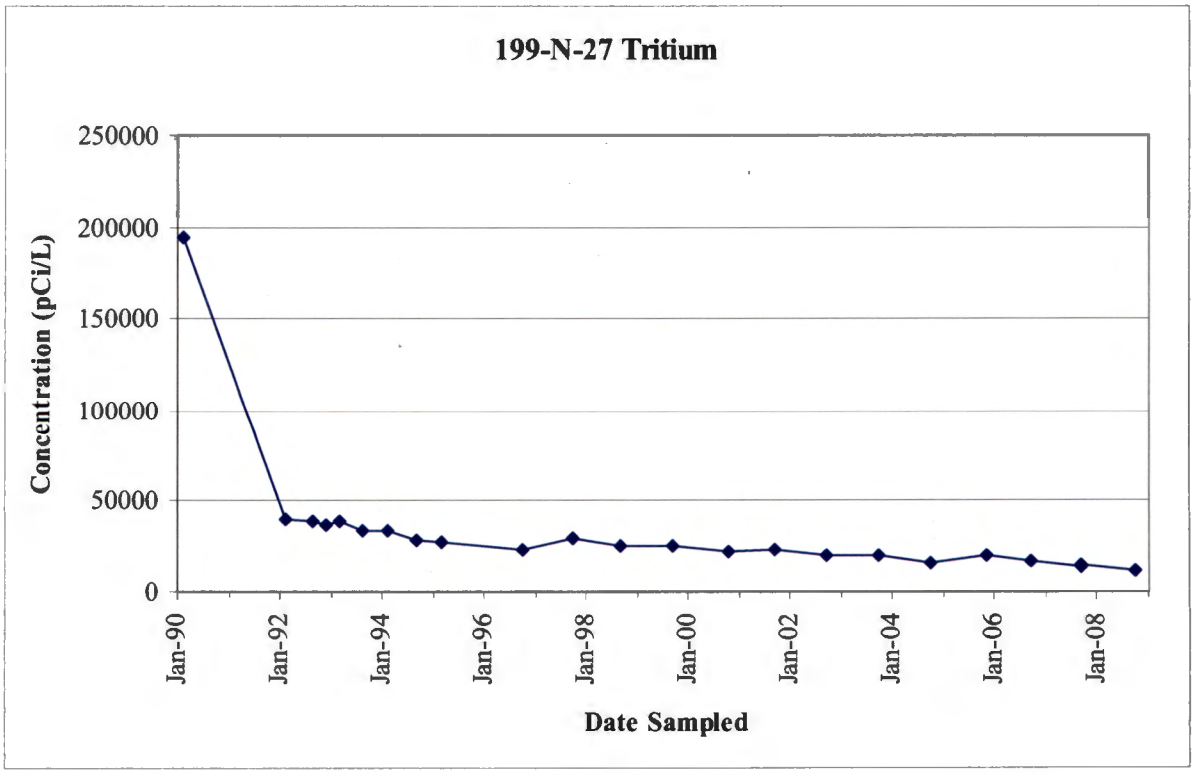

199-N-123 Tritium
Concentration (pCi/L)
2500
2000
1500
1000
500
0
-500
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

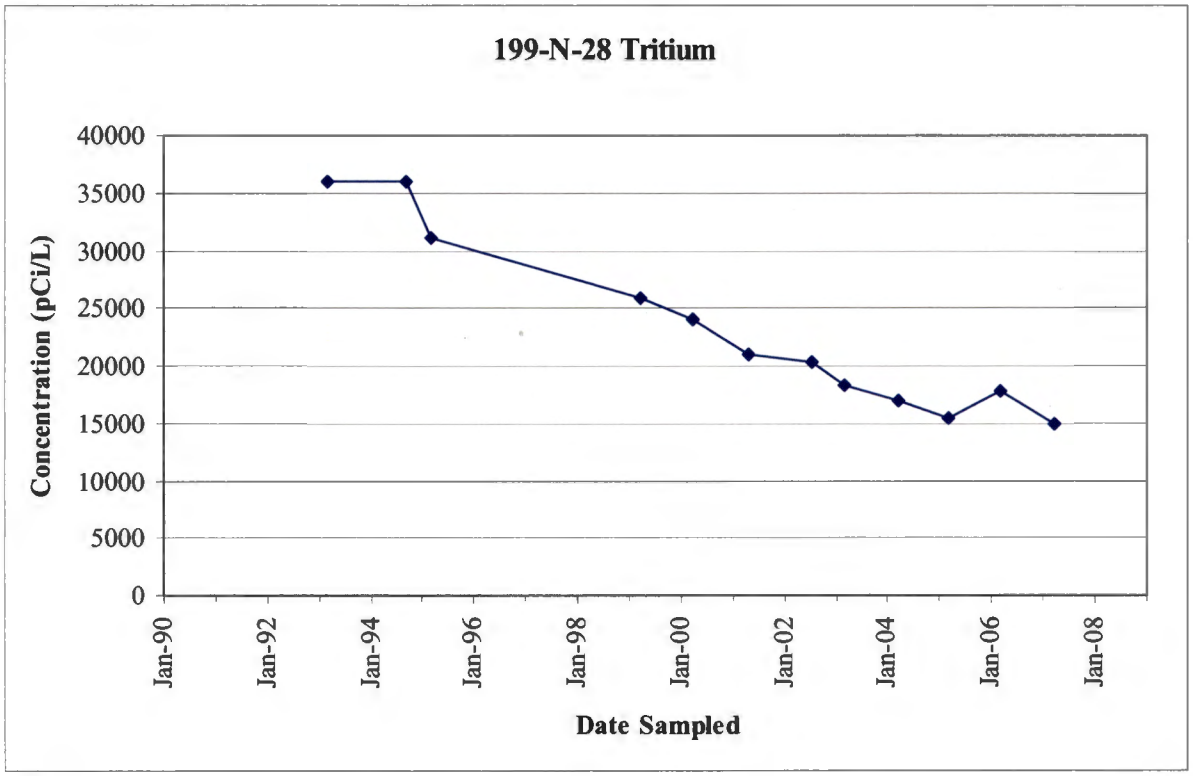

199-N-14 Tritium
Concentration (pCi/L)
120000
100000
80000
60000
40000
20000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

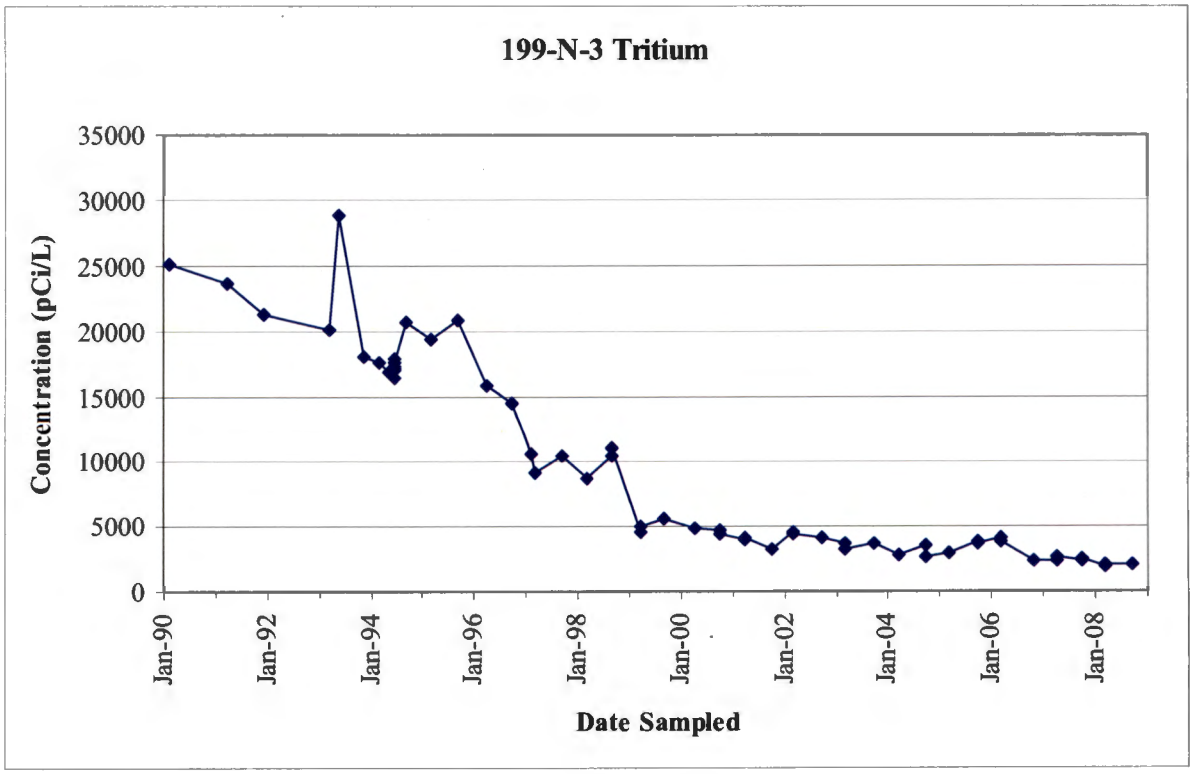

199-N-146 Tritium
Concentration (pCi/L)
150
100
50
0
-50
-100
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

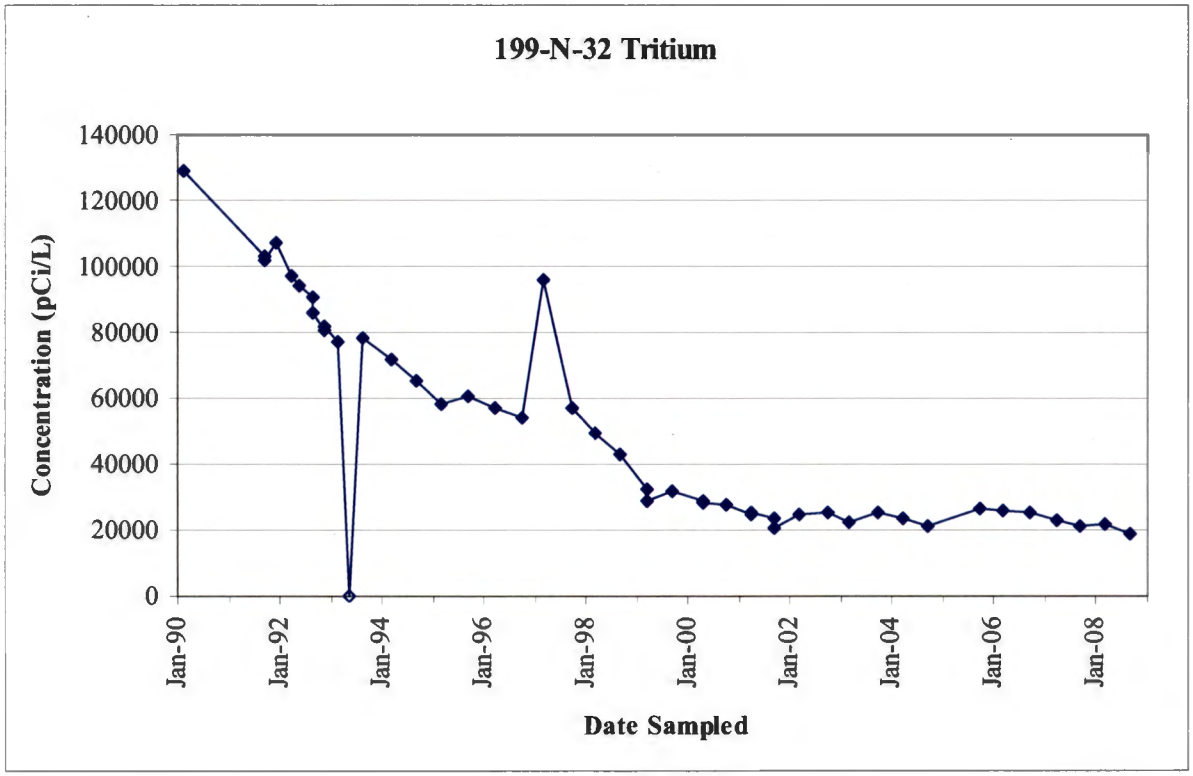

199-N-147 Tritium
Concentration (pCi/L)
250
200
150
100
50
0
-50
-100
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

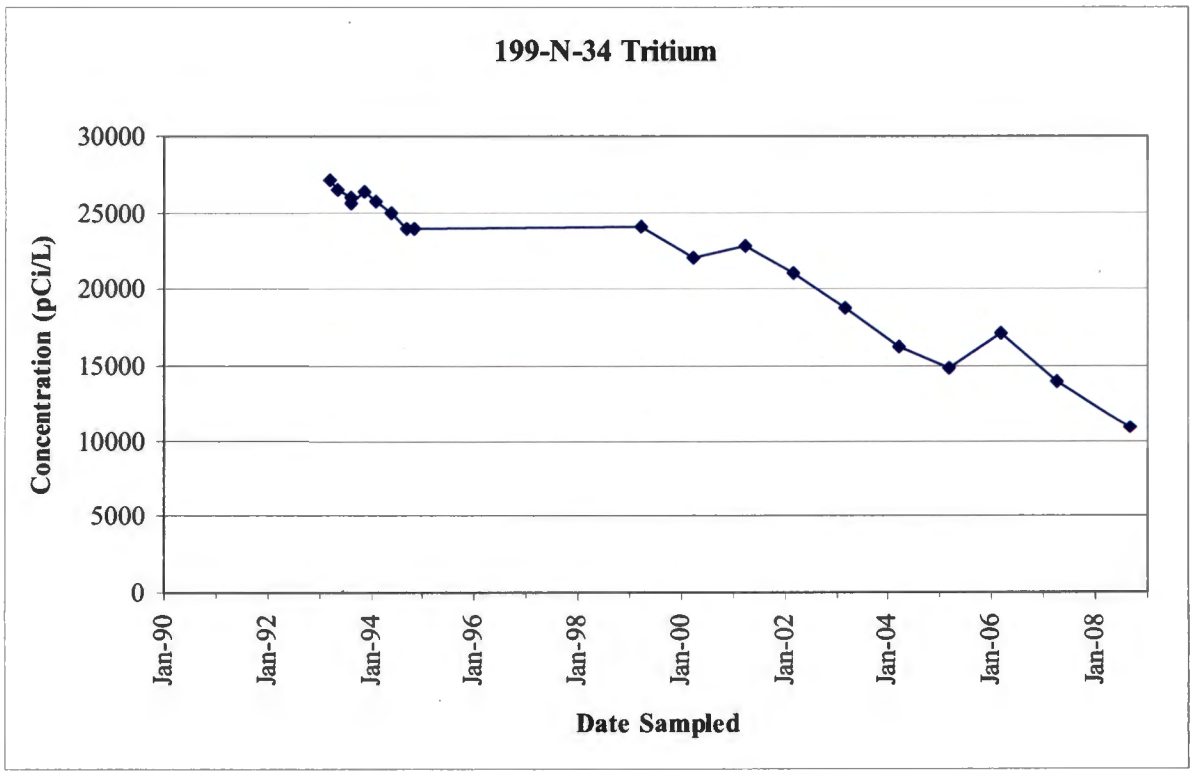

199-N-2 Tritium
Concentration (pCi/L)
70000
60000
50000
40000
30000
20000
10000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

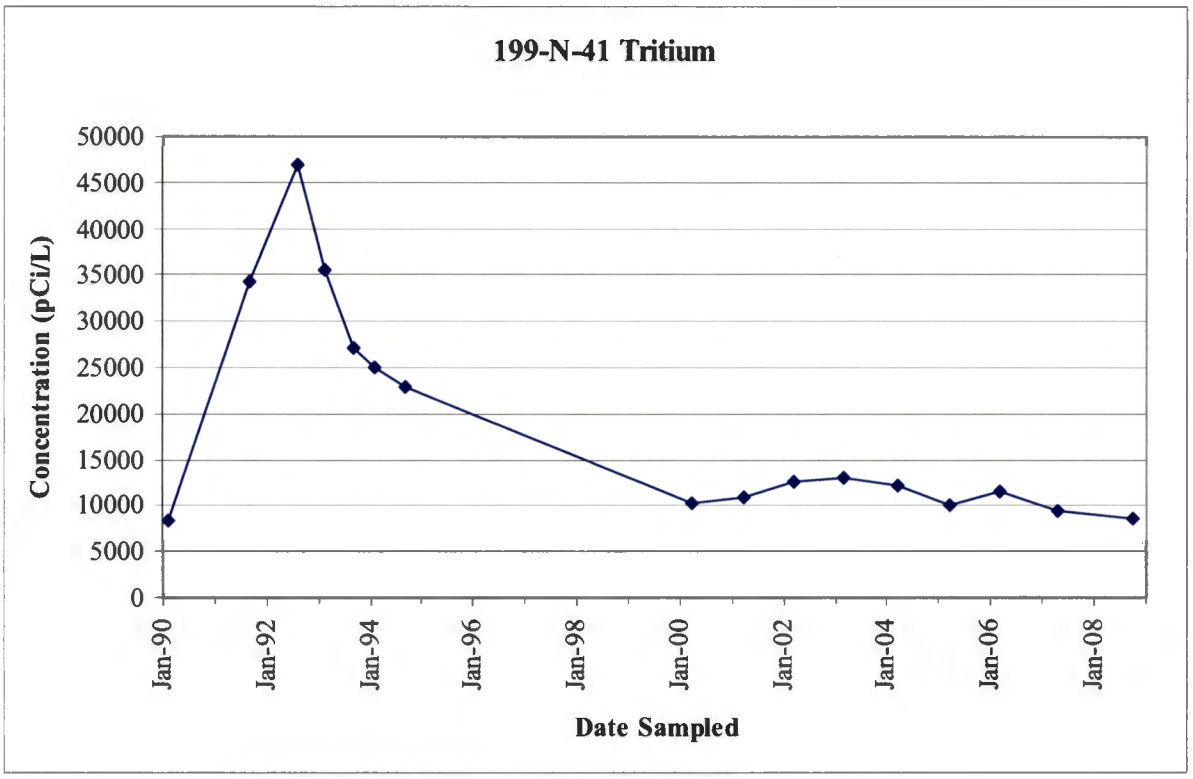

199-N-27 Tritium
Concentration (pCi/L)
250000
200000
150000
100000
50000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

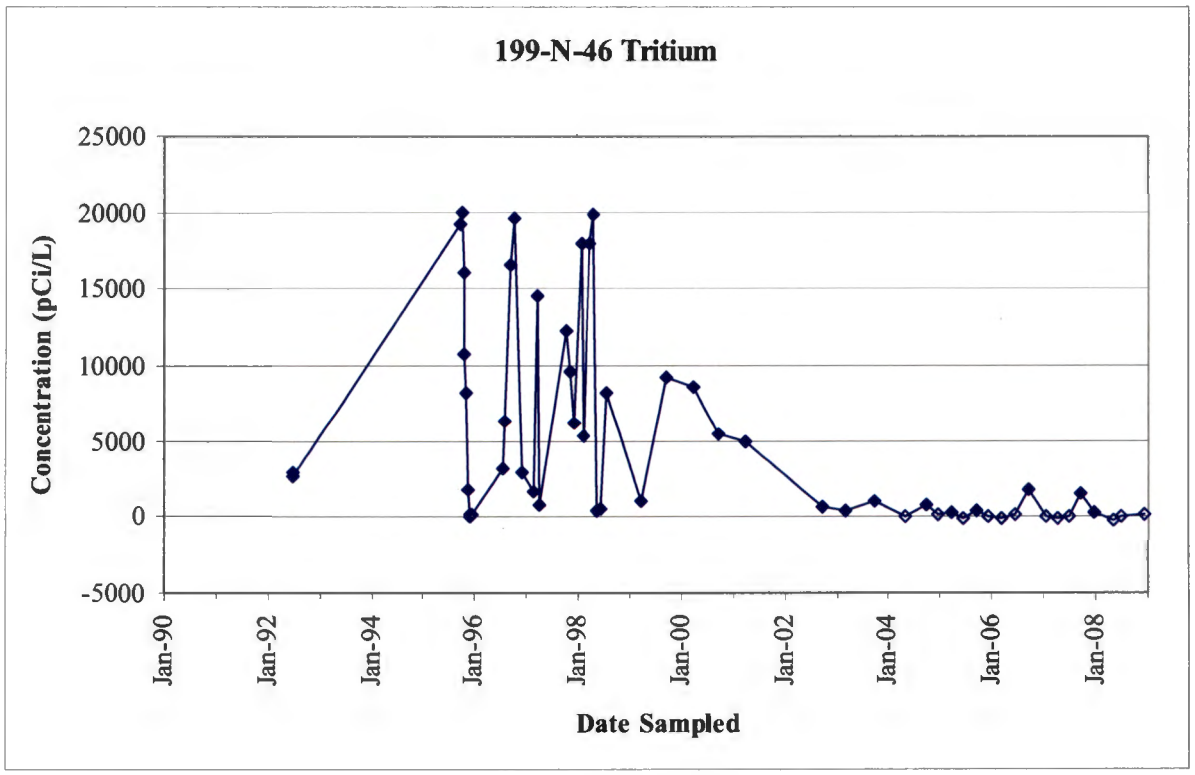

199-N-28 Tritium
Concentration (pCi/L)
40000
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

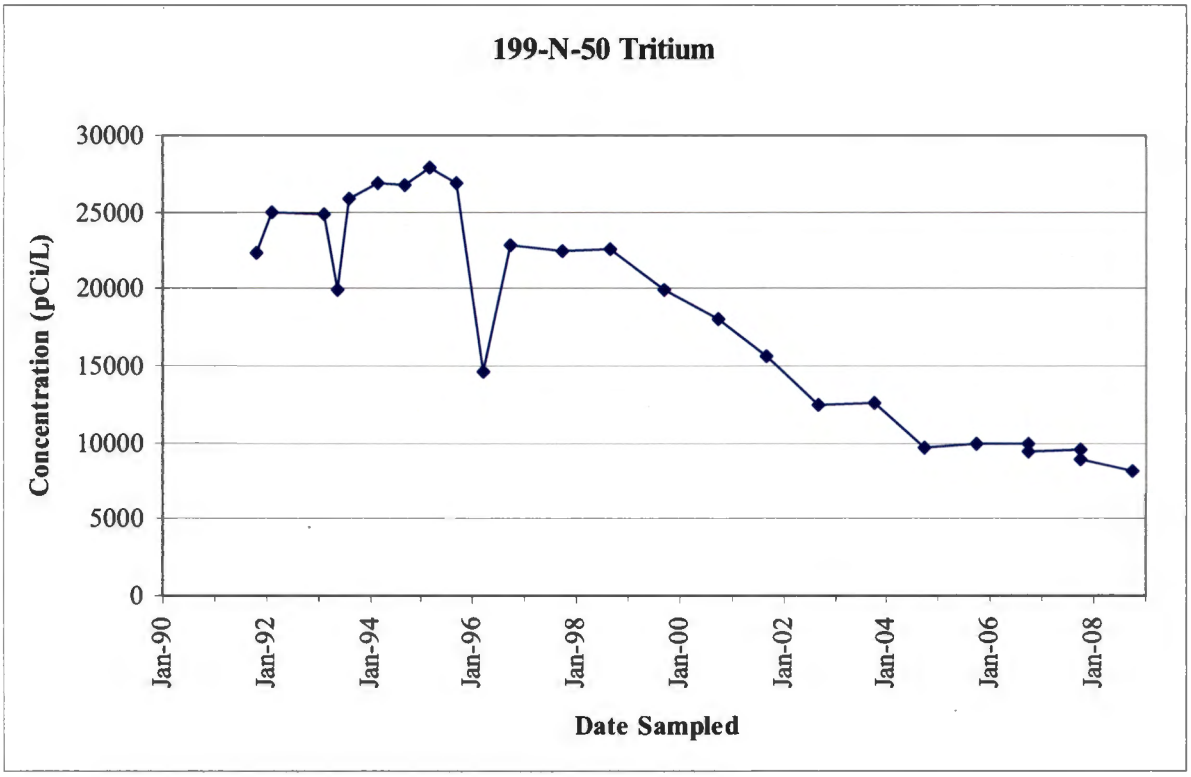

199-N-3 Tritium
Concentration (pCi/L)
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

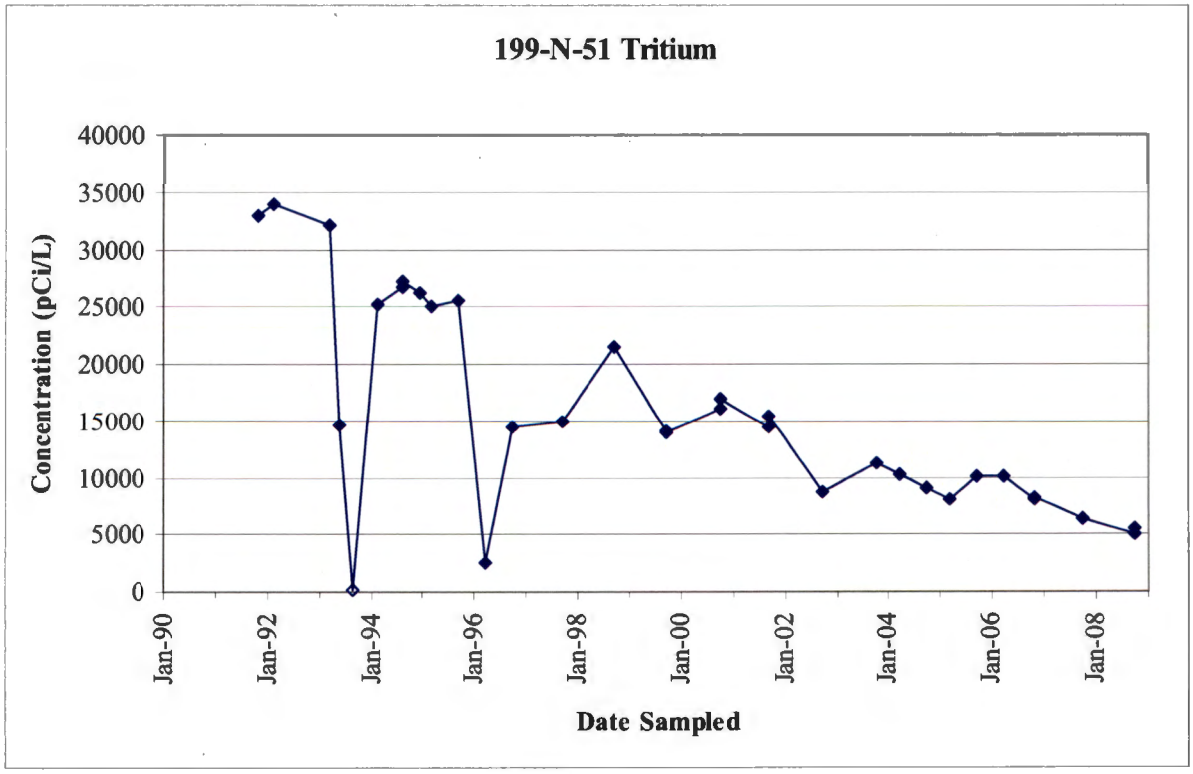

199-N-32 Tritium
Concentration (pCi/L)
140000
120000
100000
80000
60000
40000
20000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

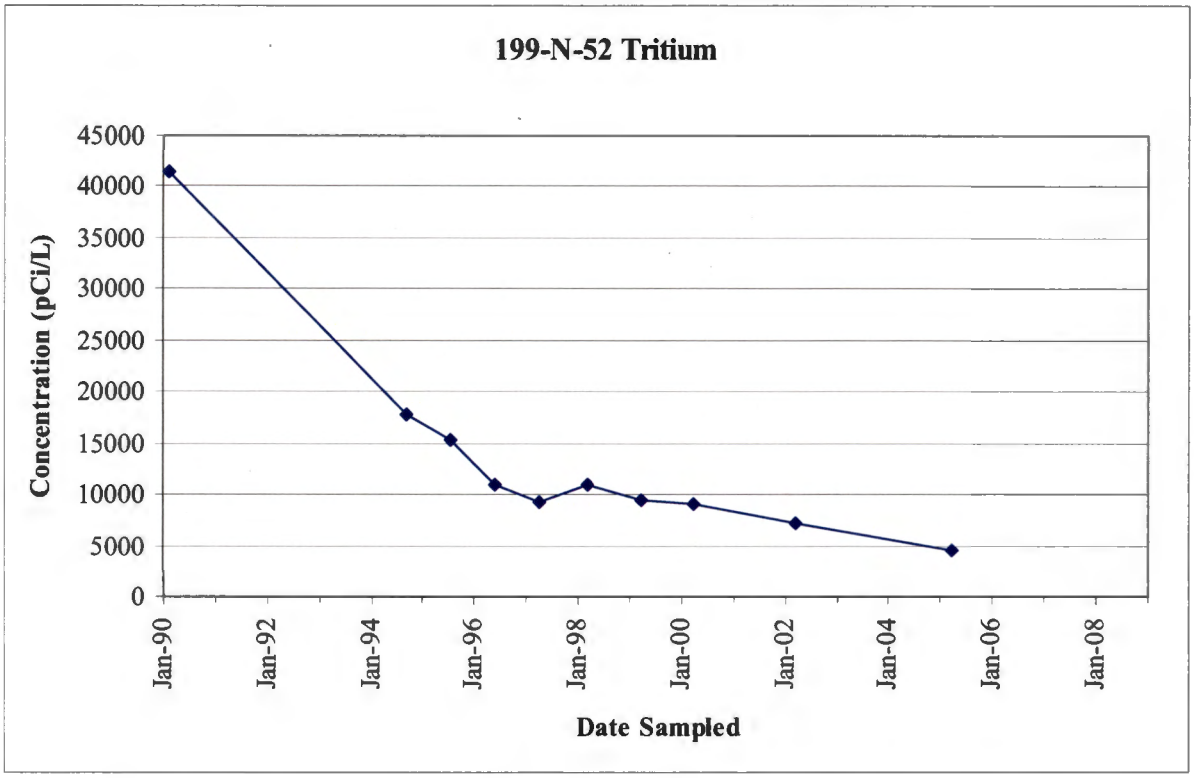

199-N-34 Tritium
Concentration (pCi/L)
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

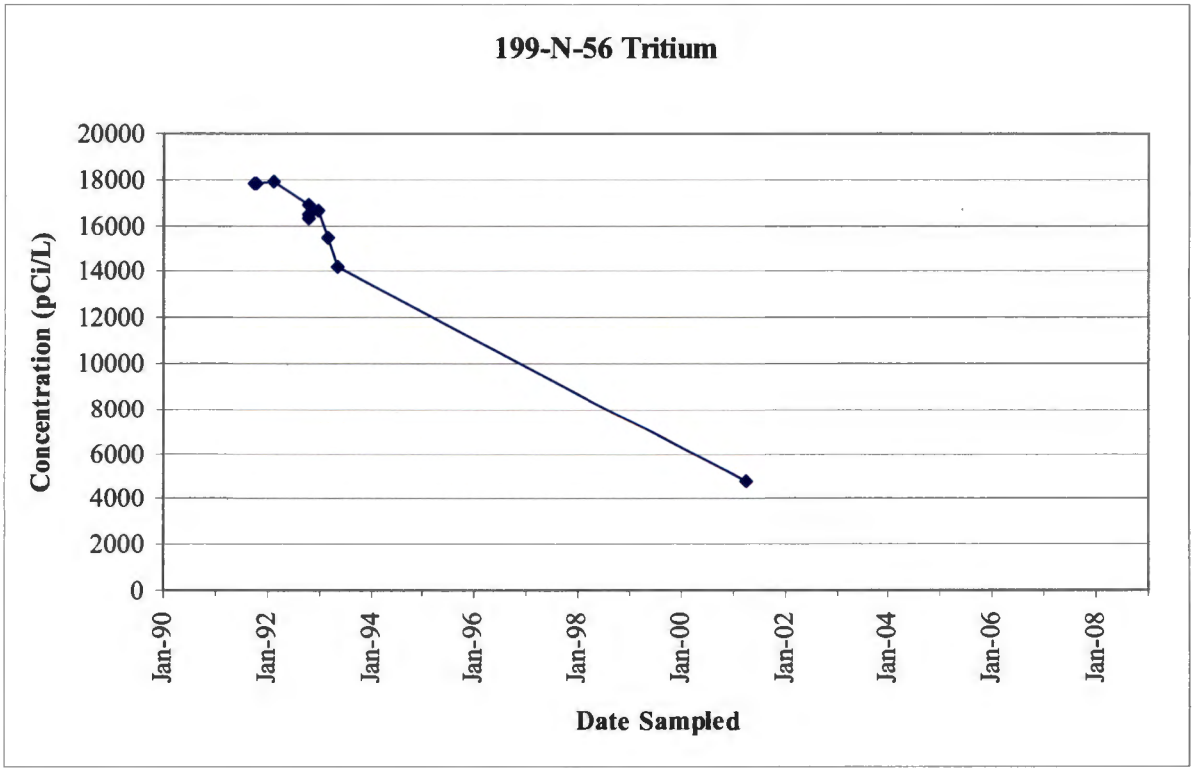

199-N-41 Tritium
Concentration (pCi/L)
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

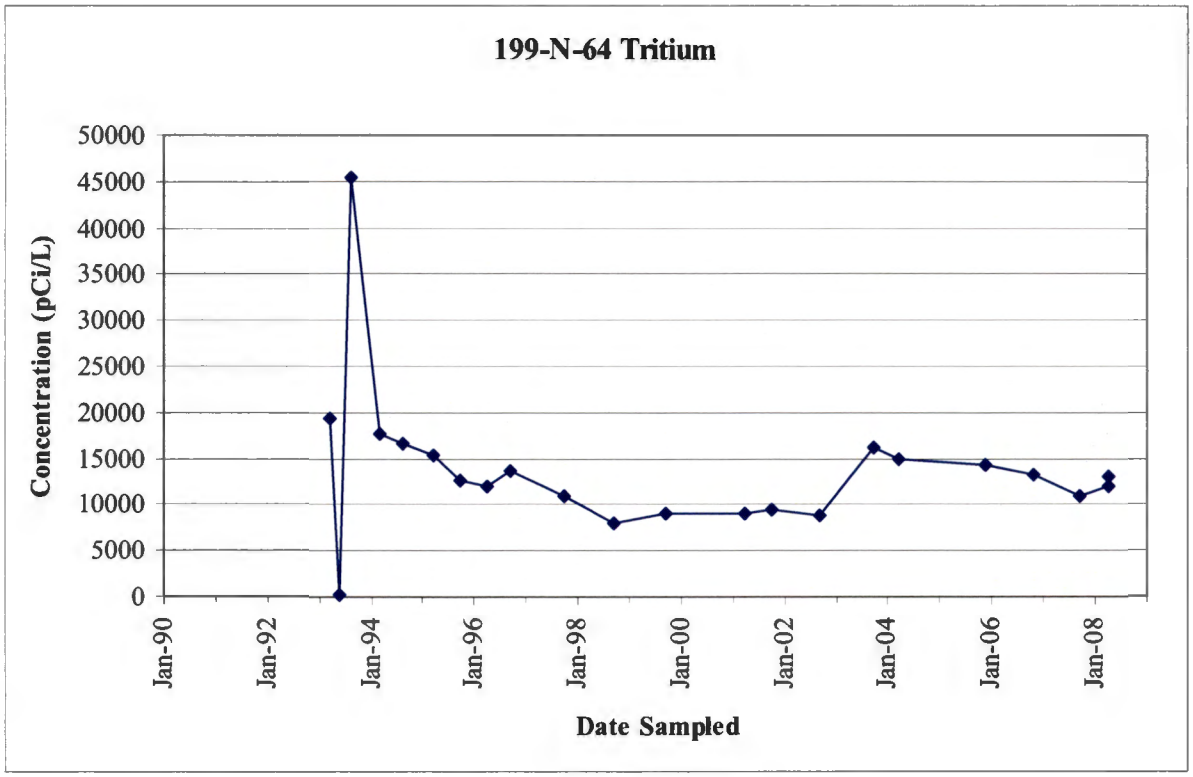

199-N-46 Tritium
Concentration (pCi/L)
25000
20000
15000
10000
5000
0
-5000
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

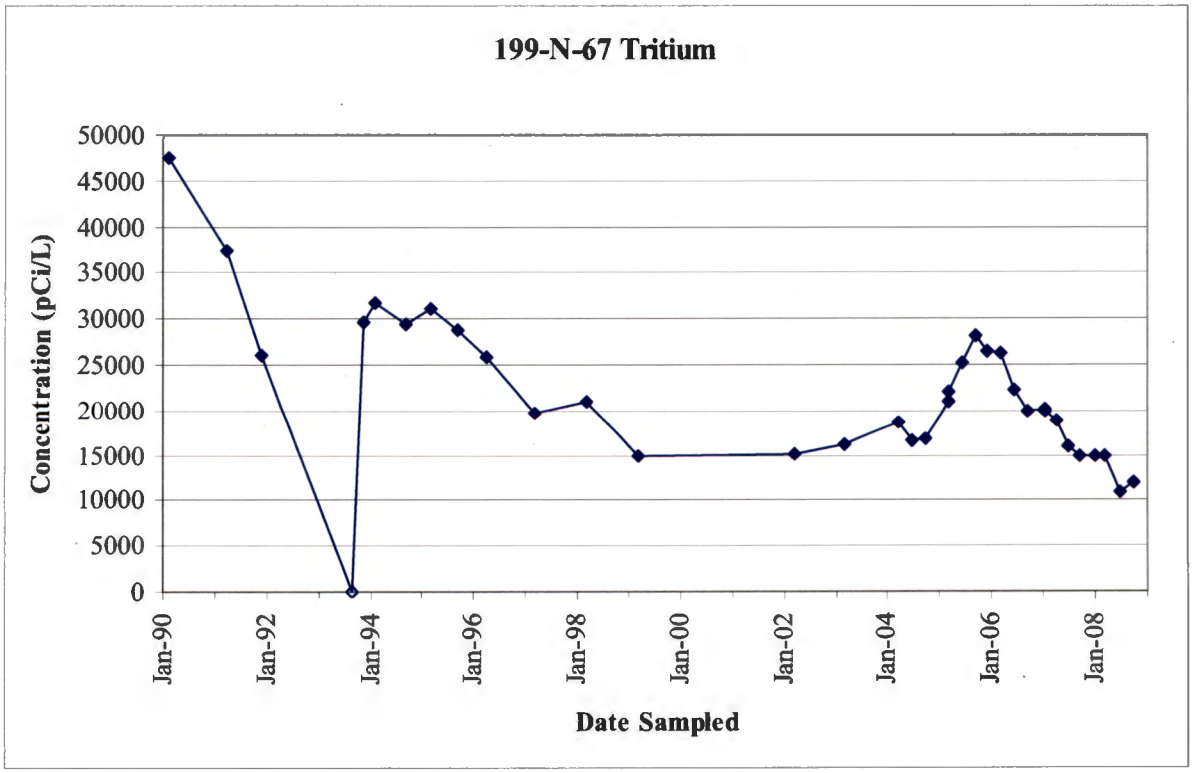

199-N-50 Tritium
Concentration (pCi/L)
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

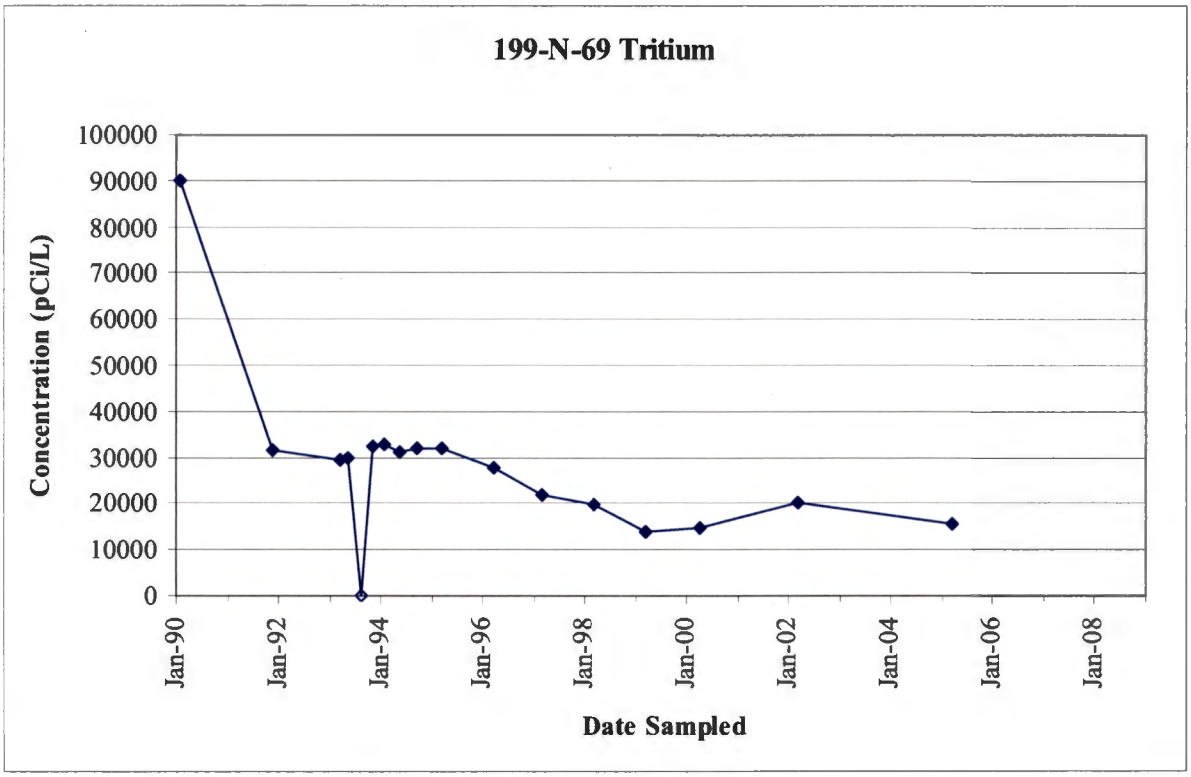

199-N-51 Tritium
Concentration (pCi/L)
40000
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

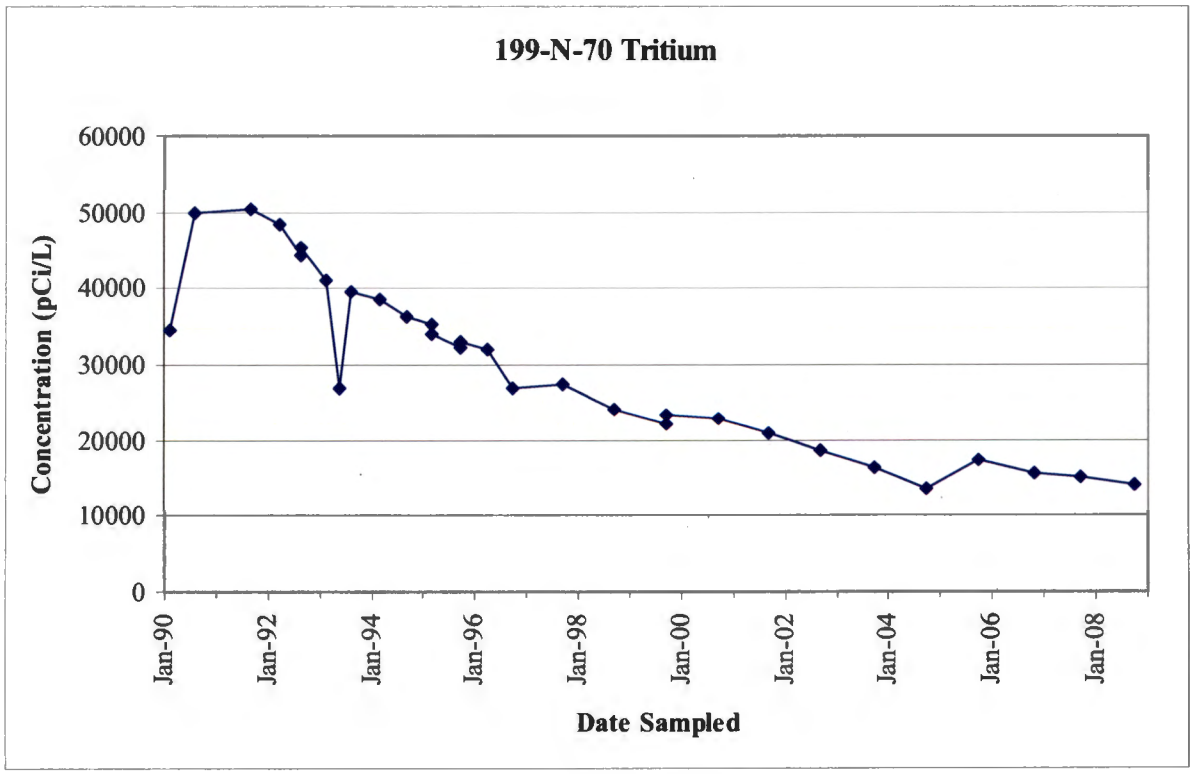

199-N-52 Tritium
Concentration (pCi/L)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled

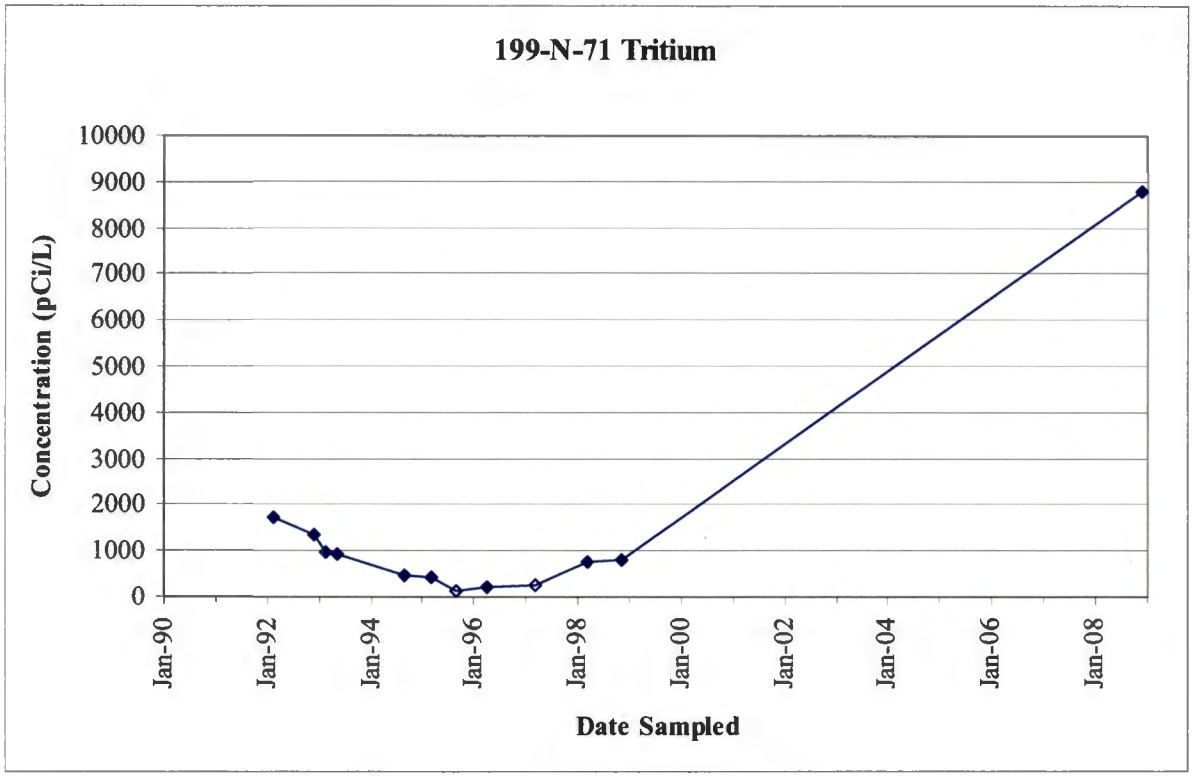

199-N-56 Tritium
Concentration (pCi/L)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
Jan-00
Jan-02
Jan-04
Jan-06
Jan-08
Date Sampled


199-N-64 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-N-67 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-N-69 Tritium
Concentration (pCi/L)
100000
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-N-70 Tritium
Concentration (pCi/L)
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-N-71 Tritium
Concentration (pCi/L)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-90
Jan-92
Jan-94
Jan-96
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Jan-00
Jan-02
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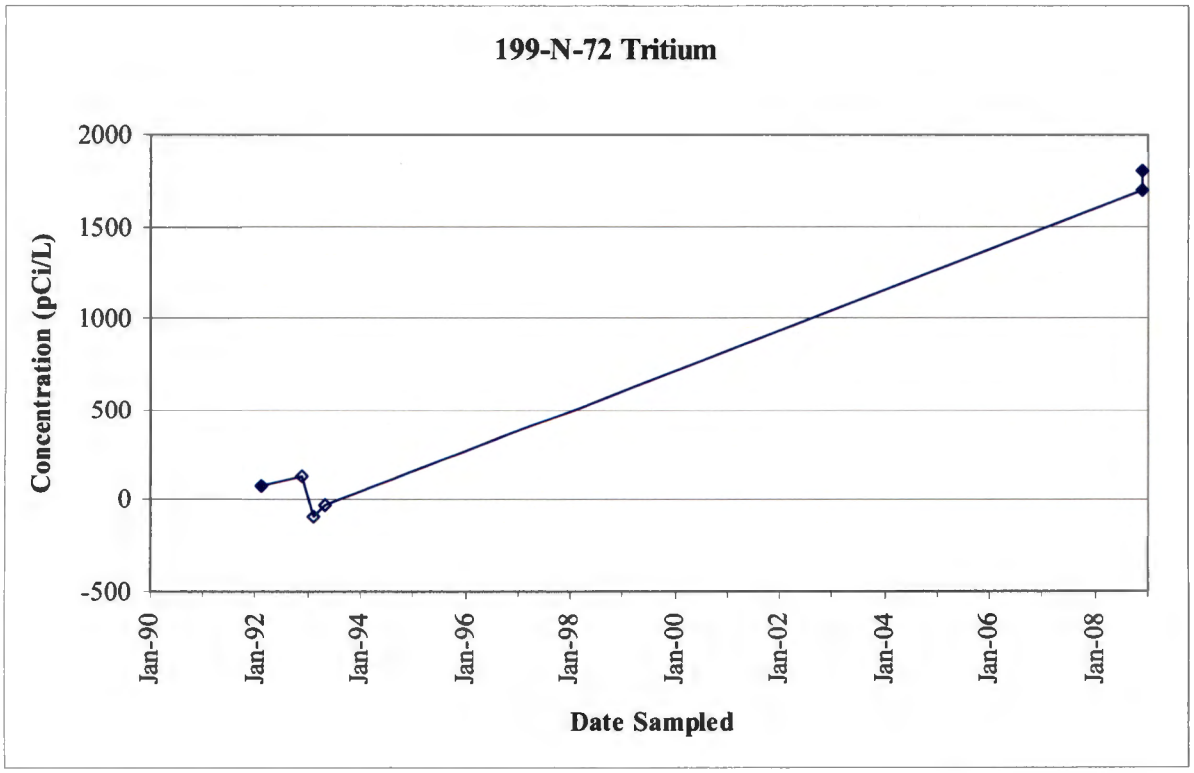
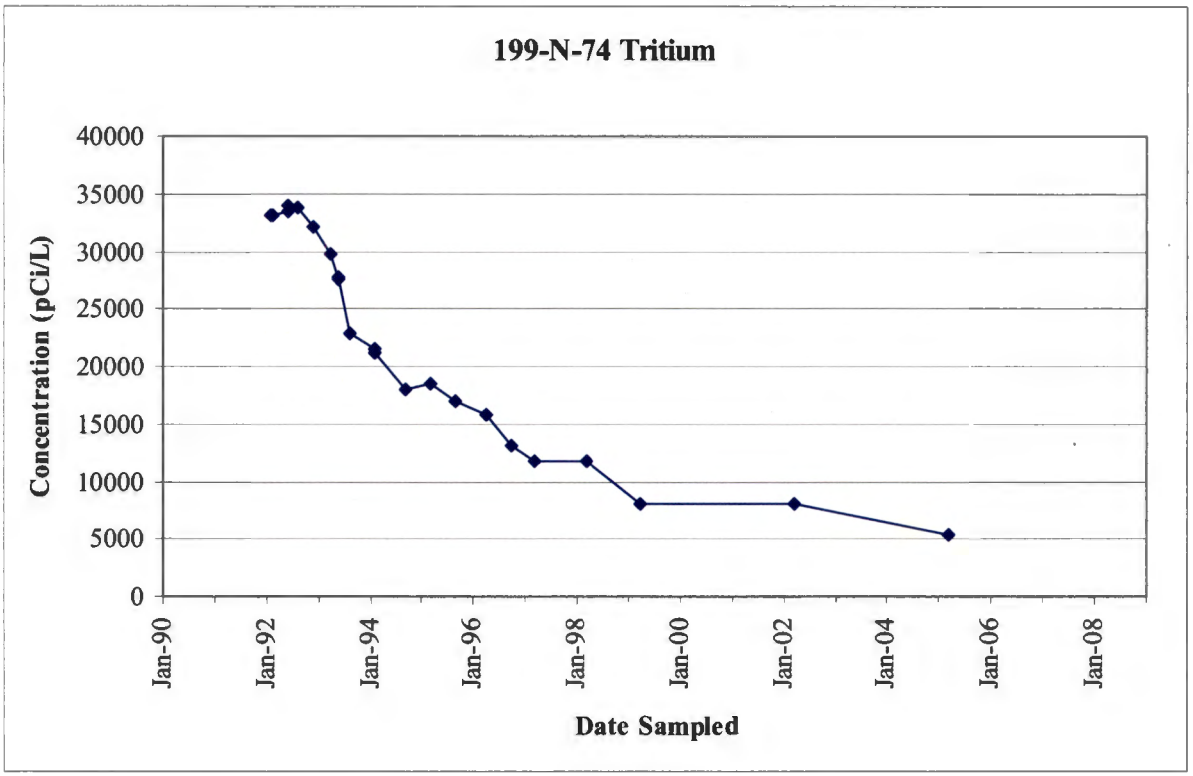
Date Sampled


199-N-72 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-N-74 Tritium
Concentration (pCi/L)
40000
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
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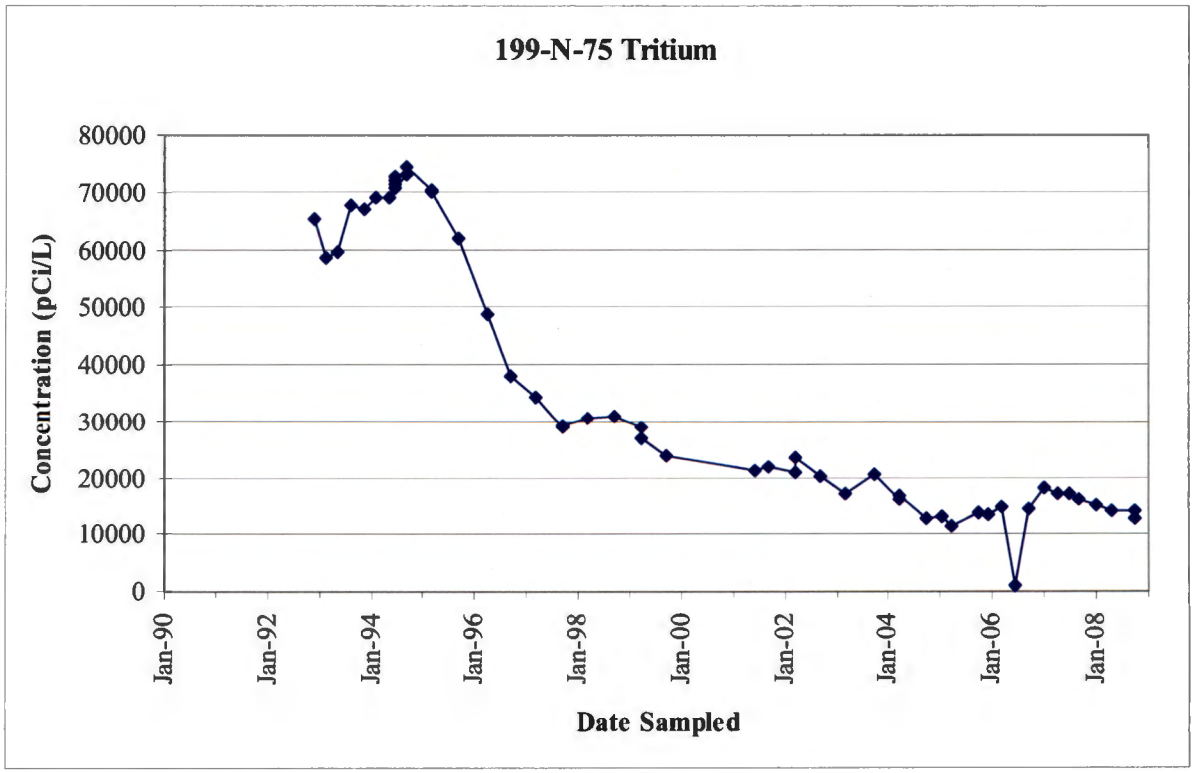
Jan-08
Date Sampled


199-N-75 Tritium
Concentration (pCi/L)
80000
70000
60000
50000
40000
30000
20000
10000
0
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Jan-92
Jan-94
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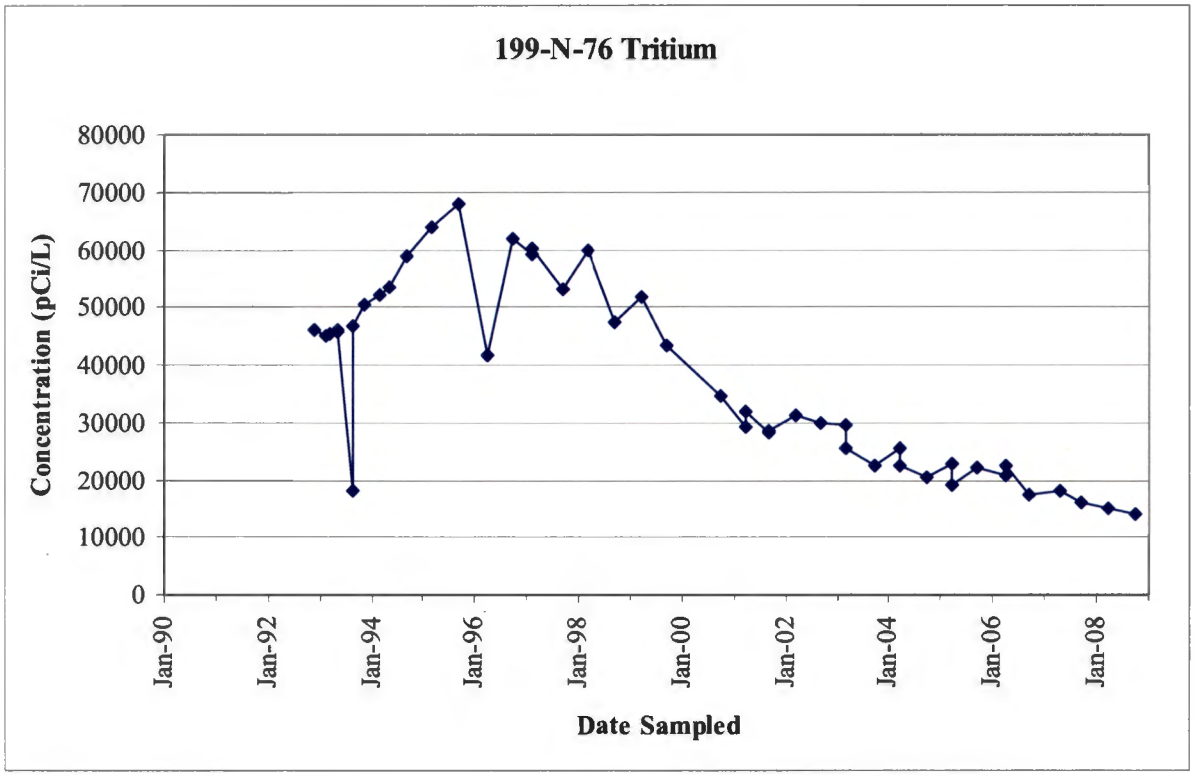
Date Sampled


199-N-76 Tritium
Concentration (pCi/L)
80000
70000
60000
50000
40000
30000
20000
10000
0
Jan-90
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Jan-94
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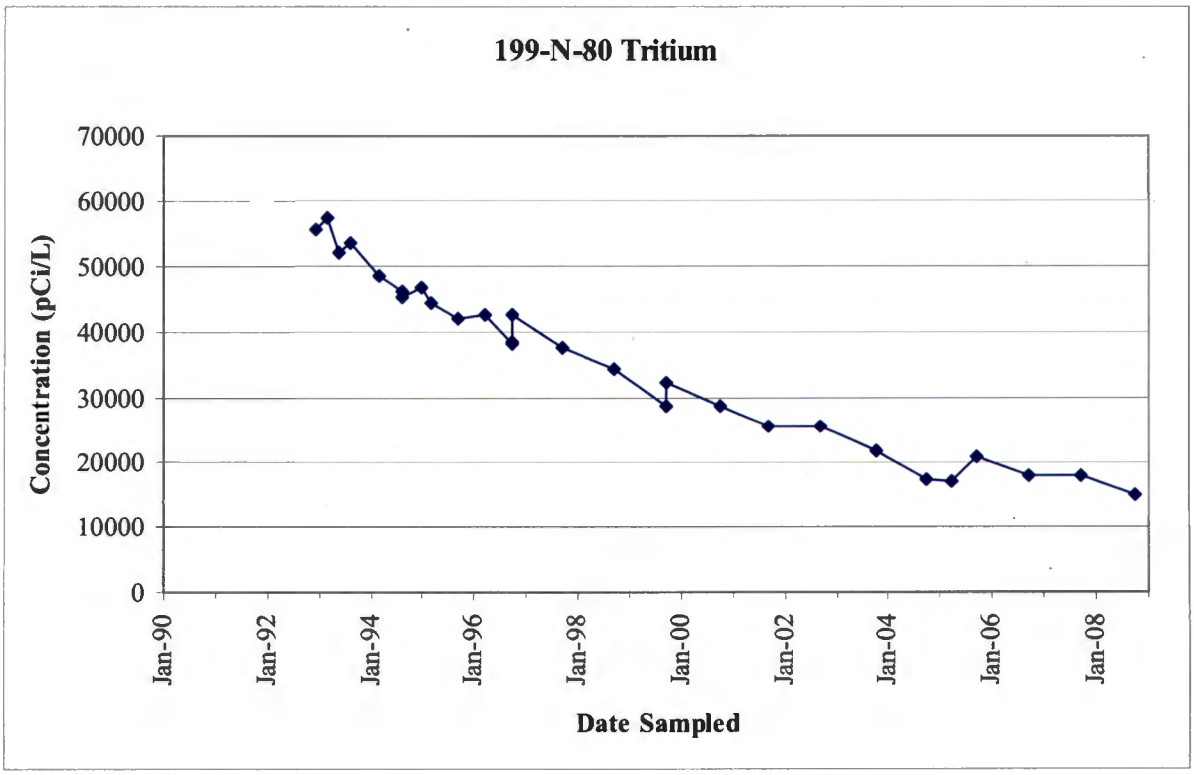
Date Sampled


199-N-80 Tritium
Concentration (pCi/L)
70000
60000
50000
40000
30000
20000
10000
0
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Jan-94
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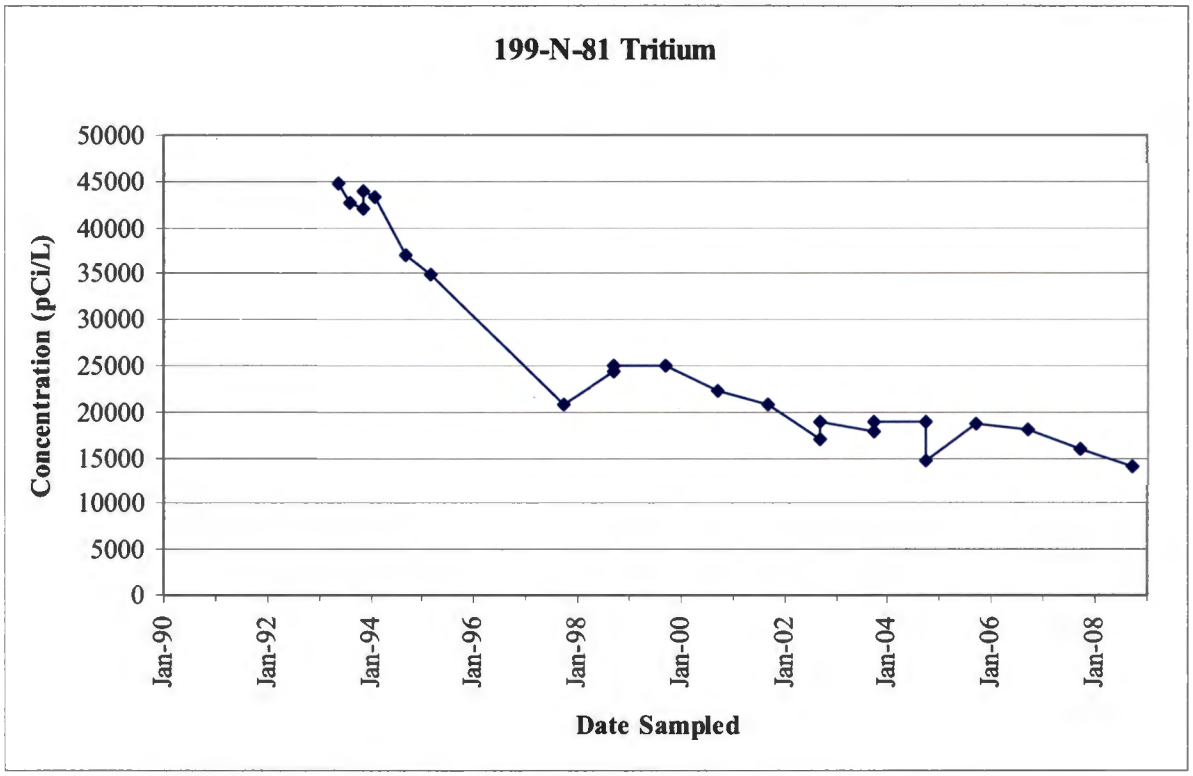
Jan-08
Date Sampled


199-N-81 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
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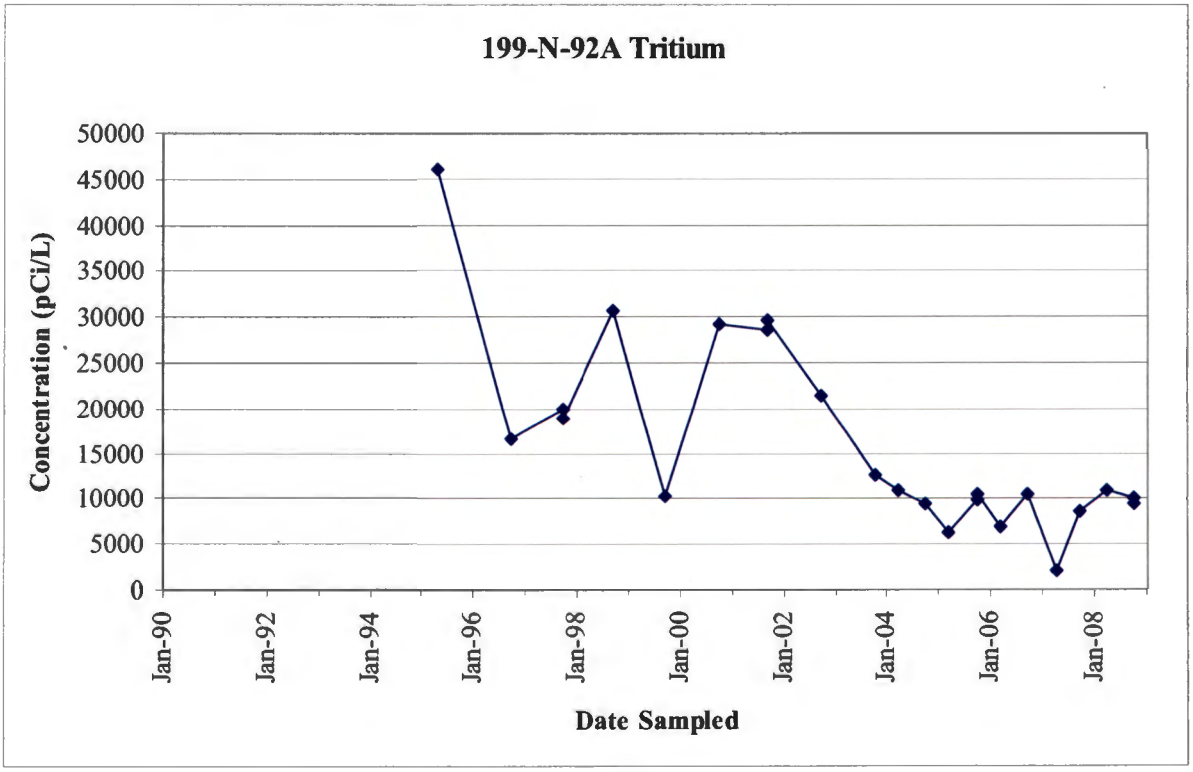
Date Sampled


199-N-92A Tritium
Concentration (pCi/L)
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Jan-90
Jan-92
Jan-94
Jan-96
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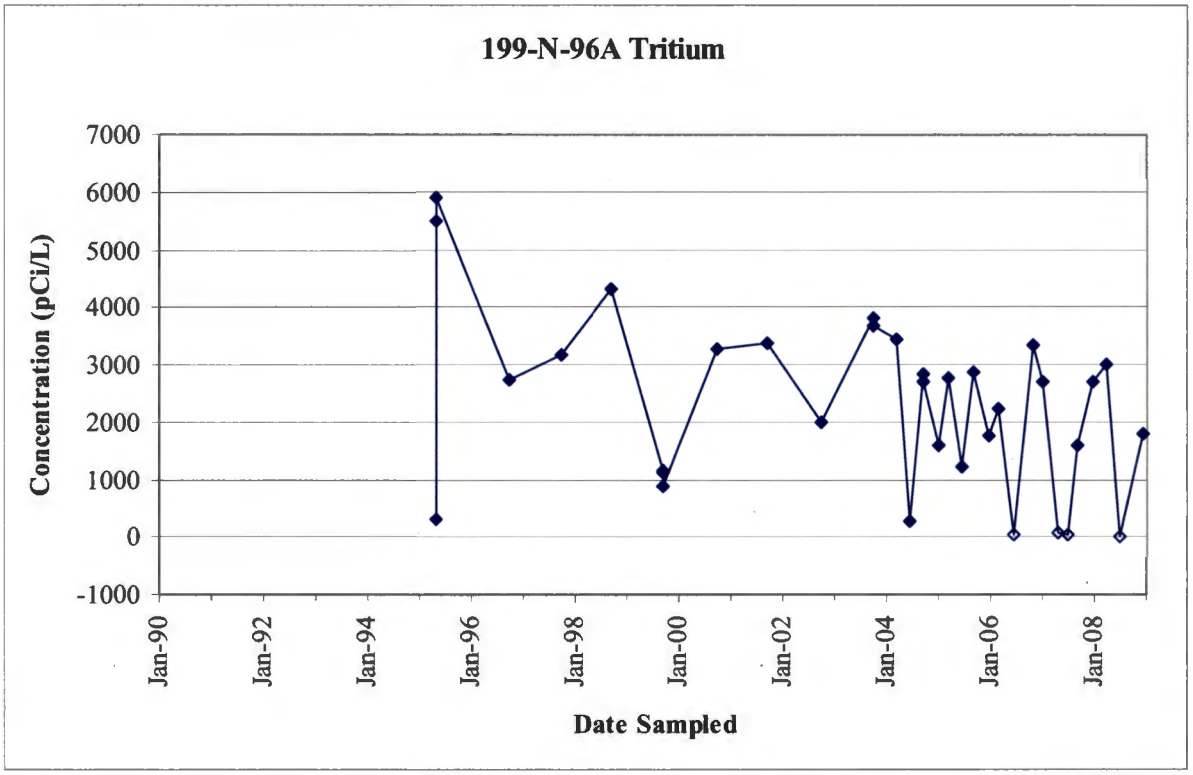
Date Sampled


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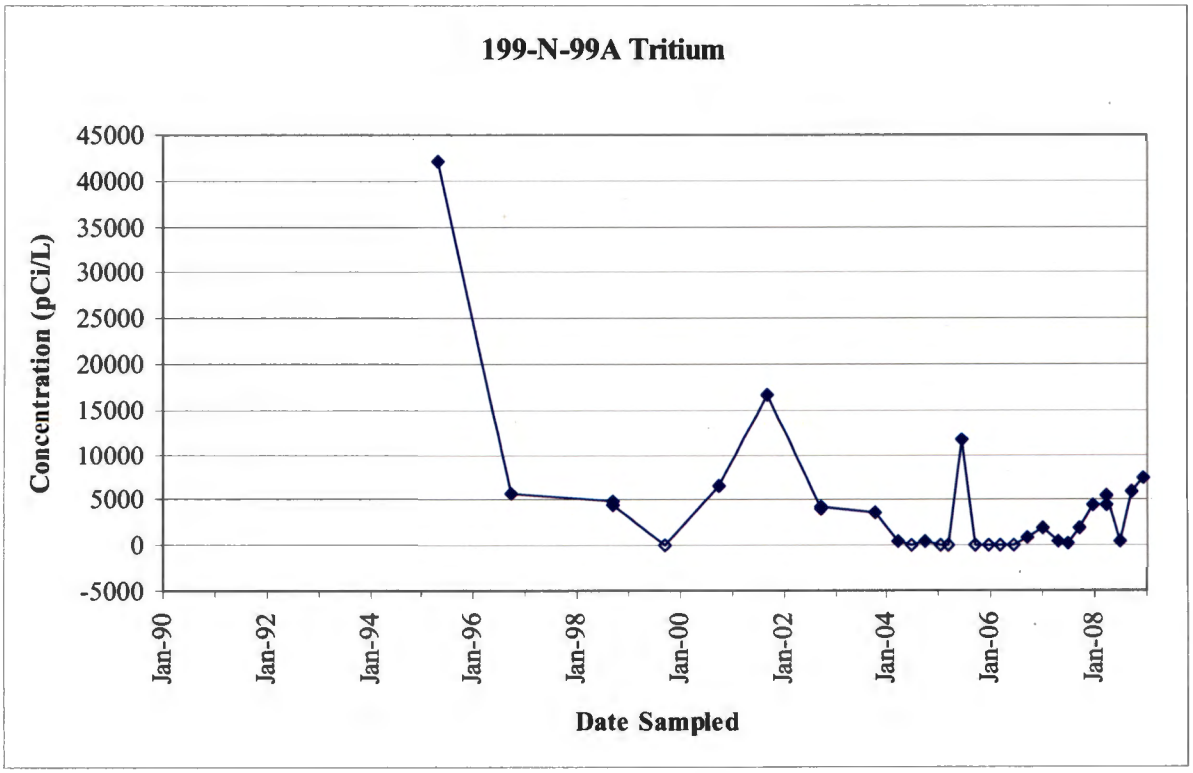
Jan-08
Date Sampled


199-N-99A Tritium
Concentration (pCi/L)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
-5000
Jan-90
Jan-92
Jan-94
Jan-96
Jan-98
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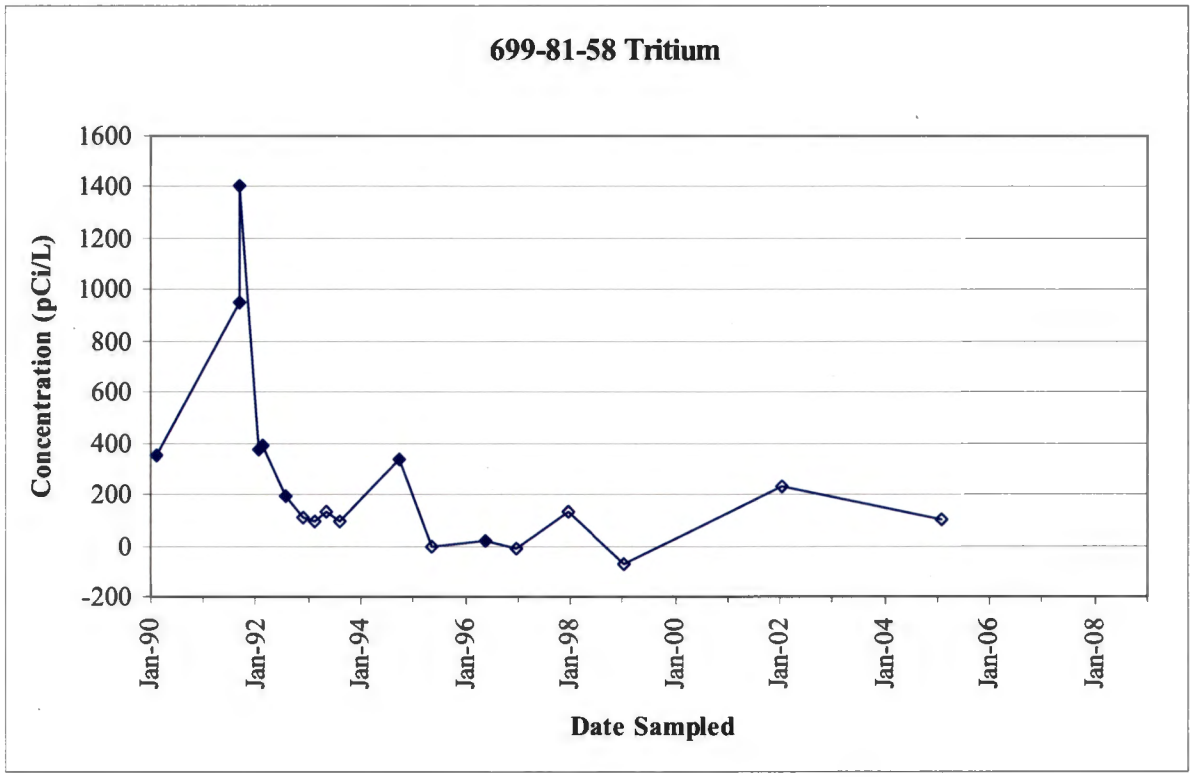
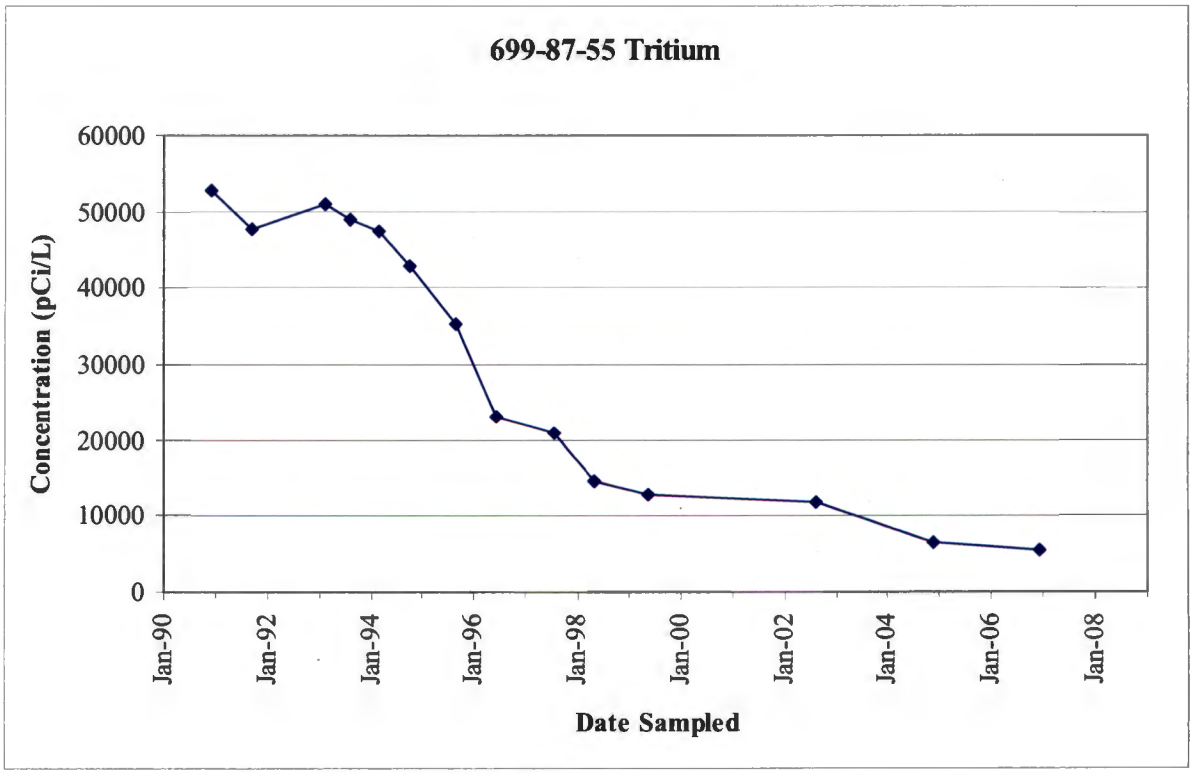
Jan-06
Jan-08
Date Sampled


699-81-58 Tritium
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
Jan-04
Jan-06
Jan-08
Date Sampled


699-87-55 Tritium
Concentration (pCi/L)
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