PARAMETER NAME	Treatment Requirement	Number of Samples	No Samples > Detction Limit	No Samples > Treatment Requirement	Range of Values
CLP VOLATILES (ug/l):					
Acetone	50	13	1	0	14
Methylene Chloride	5	14	2	2	8, 29
Tetrachloroethene	5	14	2	2	5 6
Trichloroethene	5	14	1	1	7
CLP PESTICIDES (ug/l)					
alpha-Chlordane	NS	3	1	NS	2 6
WATER QUALITY PARAMETERS (mg/l)					
Bicarbonate As ($CaCO_3$)	NS	15	15	NS	136 - 265
Chloride	250	14	14	0	55 - 140
Nitrate/Nitrite	10	14	14	2	4 18 - 11
Sulfate	250	14	14	0	35 5 - 67 8
Total Dissolved Solids	400	14	14	14	420 - 758

A-OU01-000616
ADMIN RECORD

PARAMETER NAME	Treatment Requirements	Number of Samples	No Samples > Detction Limit	No Samples > Treatment Requirements	Range of Values
TOTAL METALS (mg/l)					
Aluminum	5	15	8	0	0 04 - 0 595
Antimony	0 6	15	0	0	N/A
Arsenic	0 5	15	0	0	N/A
Barium	1 0	15	9	0	0 099 - 0 16
Beryllium	0 1	15	0	0	N/A
Cadmium	0 01	13	1	0	0 017
Calcium	NS	15	15	NS	65 9 - 97 2
Cesium	NS	15	3	NS	0 05 - 0 08
Chromium	0 05	15	1	0	0 0106
Cobalt	NS	15	0	0	N/A
Copper	0 2	15	1	0	0 113
Iron	0 3	15	11	4	0 0235 - 0 902
Lead	0 05	15	4	0	0 002 - 0 0085
Lithium	2 5	15	8	0	0 0132 - 0 220
Magnesium	NS	15	15	NS	18 - 23
Manganese	0 05	15	9	1	0 0033 - 0 8510
Mercury	0 002	15	0	0	N/A
Molybdenum	0 1	15	0	0	N/A
Nickel	0 2	15	0	0	N/A
Potassium	NS	15	8	NS	2 55 - 3 5
Selenium	0 01	15	5	0	0 0022 - 0 004
Silver	0 05	15	0	0	N/A
Sodium	NS	15	15	NS	36 4 - 52 6
Strontium	NS	15	14	NS	0 48 - 0 678
Thallium	0 01	15	0	0	N/A
Tin	NS	15	0	NS	N/A
Vanadium	0 01	15	2	0	0 0025, 0 0044
Zinc	2 0	15	13	0	0 0168 - 0 1620

PARAMETER NAME	Treatment Requirements	Number of Samples	No Samples > Detction Limit	No Samples > Treatment Requirements	Range of Values
TOTAL METALS (mg/l)					
Aluminum	5	15	8	0	0 04 - 0 595
Antimony	0 6	15	0	0	N/A
Arsenic	0 5	15	0	0	N/A
Barium	1 0	15	9	0	0 099 - 0 16
Beryllium	0 1	15	0	0	N/A
Cadmium	0 01	13	1	0	0 017
Calcium	NS	15	15	NS	65 9 - 97 2
Cesium	NS	15	3	NS	0 05 - 0 08
Chromium	0 05	15	1	0	0 0106
Cobalt	NS	15	0	0	N/A
Copper	0 2	15	1	0	0 113
Iron	0 3	15	11	4	0 0235 - 0 902
Lead	0 05	15	4	0	0 002 - 0 0085
Lithium	2 5	15	8	0	0 0132 - 0 220
Magnesium	NS	15	15	NS	18 - 23
Manganese	0 05	15	9	1	0 0033 - 0 8510
Mercury	0 002	15	0	0	N/A
Molybdenum	0 1	15	0	0	N/A
Nickel	0 2	15	0	0	N/A
Potassium	NS	15	8	NS	2 55 - 3 5
Selenium	0 01	15	5	0	0 0022 - 0 004
Silver	0 05	15	0	0	N/A
Sodium	NS	15	15	NS	36 4 - 52 6
Strontium	NS	15	14	NS	0 48 - 0 678
Thallium	0 01	15	0	0	N/A
Tin	NS	15	0	NS	N/A
Vanadium	0 01	15	2	0	0 0025, 0 0044
Zinc	2 0	15	13	0	0 0168 - 0 1620

PARAMETER NAME	Treatment Requirements	Number of Samples	No Samples > Treatment Requirements	Range of Values
TOTAL RADIOCHEMISTRY (pCi/l)				
Americium-241	4	11	0	0 - 0 047
Cesium-137	NS	9	NS	-0 69 - 0 9
Gross Alpha	15	5	1	4 4 - 18 6
Gross Beta	50	5	0	6 571 - 10 7
Plutonium-239/240	15	11	0	-0 002 - 0 034
Strontium-89,90	8	6	0	0 09 - 0 45
Tritium	20 000	5	0	130 - 266
Total Uranium	40	6	0	7 071 - 10 92
Uranium-233,-234	NS	6	NS	3 9 - 6 49
Uranium-235	NS	6	NS	0 071 - 1 58
Uranium-238	NS	6	NS	2 5 - 4 52

SUMMARY STATISTICS FOR LOCATION SW046
JANUARY 1990 THROUGH OCTOBER 1991

Total Radiochemistry
(Concentration Units pCi/l)

ANALYTE	NUMBER OF SAMPLES	NUMBER OF DETECTS	MEAN	STANDARD DEVIATION	MEDIAN	MINIMUM +/ ERROR	MAXIMUM +/ ERROR
AMERICIUM 241	11	11	0 0092	0 0134	0 0046	0 0000 +/ 0 0420	0 0470 +/ 0 0130
CESIUM 137	9	9	0 0335	0 4068	0 0167	0 6900 +/ 0 5000	0 9000 +/ 0 4000
CURIUM 244	1	1	0 0860		0 0860	0 0860 +/ 0 1100	0 0860 +/ 0 1100
GROSS ALPHA	5	5	9 4690	5 9352	8 0000	4 4000 +/ 2 5000	18 6000 +/ 2 6000
GROSS BETA	5	5	7 5942	1 7804	6 6000	6 5710 +/ 0 9741	10 7000 +/ 2 4000
PLUTONIUM 239/240	11	11	0 0070	0 0107	0 0035	0 0020 / 0 0050	0 0340 / 0 0110
STRONTIUM 89 90	6	6	0 2837	0 1455	0 2850	0 0900 +/ 0 2200	0 4500 +/ 0 2300
TRITIUM	5	5	189 1188	51 2605	170 0000	130 0000 +/ 110 0000	265 5940 +/ 158 3099
URANIUM 233 234	6	6	4 9513	1 1170	4 5000	3 9000 / 0 8900	6 4900 / 2 1300
URANIUM 235	6	6	0 4156	0 5793	0 1900	0 0710 +/ 0 1100	1 5800 +/ 1 0500
URANIUM 238	6	6	3 5040	0 8385	3 4000	2 5000 +/ 0 9300	4 5200 +/ 1 1600

U Analyzed but not detected Missing or Not Applicable

SUMMARY STATISTICS FOR LOCATION SW046
JANUARY 1990 THROUGH OCTOBER 1991

Total Metals CLP & Non CLP
(Concentration Units mg/l)

ANALYTE	NUMBER OF SAMPLES	NUMBER OF DETECTS	MEAN	STANDARD DEVIATION	MEDIAN	MINIMUM	MAXIMUM
ALUMINUM	15	8	0 1673	0 1890	0 1080	0 0439	0 5950
ANTIMONY	15	0	0 0261	0 0623	0 0170 U	0 0076 U	0 5000 U
ARSENIC	15	0	0 0011	0 0011	0 0020 U	0 0009 U	0 0100 U
BARIUM	15	9	0 1116	0 0383	0 1480	0 0990	0 2000 U
BERYLLIUM	14	0	0 0006	0 0006	0 0010 U	0 0005 U	0 0050 U
CADMIUM	13	1	0 0015	0 0006	0 0027	0 0010 U	0 0050 U
CALCIUM	15	15	85 5400	10 2058	88 0000	65 9000	97 2000
CESIUM	15	3	0 2674	0 3140	0 5000 U	0 0145 U	2 5000 U
CHROMIUM	15	1	0 0034	0 0031	0 0040 U	0 0020 U	0 0200 U
COBALT	15	0	0 0037	0 0063	0 0030 U	0 0020 U	0 0500 U
COPPER	14	1	0 0041	0 0041	0 0043	0 0020 U	0 0250 U
CYANIDE	2	1	0 0041	0 0034	0 0050	0 0035 U	0 0065
IRON	15	11	0 2269	0 2689	0 1100	0 0235	0 9020
LEAD	15	4	0 0018	0 0022	0 0020	0 0010 U	0 0085
LITHIUM	15	8	0 0185	0 0135	0 0175	0 0109 U	0 1000 U

Mean was calculated using half the detection limit for concentrations at the detection limit
U Analyzed but not detected Missing or Not Applicable

SUMMARY STATISTICS FOR LOCATION SW046
JANUARY 1990 THROUGH OCTOBER 1991

Total Metals CLP & Non CLP
(Concentration Units mg/l)

ANALYTE	NUMBER OF SAMPLES	NUMBER OF DETECTS	MEAN	STANDARD DEVIATION	MEDIAN	MINIMUM	MAXIMUM
MAGNESIUM	15	15	21 4067	1 5392	22 0000	18 0000	23 0000
MANGANESE	15	9	0 0671	0 2172	0 0100	0 0023 U	0 8510
MERCURY	15	0	0 0001	0 0000	0 0002 U	0 0001 U	0 0002 U
MOLYBDENUM	15	0	0 0270	0 0638	0 0093 U	0 0030 U	0 5000 U
NICKEL	15	0	0 0052	0 0048	0 0059 U	0 0039 U	0 0400 U
PHOSPHORUS	2	0	0 0820	0 0311	0 1640 U	0 1200 U	0 2080 U
POTASSIUM	15	8	2 2677	0 8566	2 9000	1 3500 U	5 0000 U
SELENIUM	14	5	0 0022	0 0010	0 0034	0 0010 U	0 0050 U
SILICON	8	8	5 0656	2 0539	4 9825	2 4800	7 9800
SILVER	15	0	0 0030	0 0034	0 0049 U	0 0020 U	0 0300 U
SODIUM	15	15	45 4067	4 5526	45 0000	36 4000	52 6000
STRONTIUM	15	14	0 5943	0 0657	0 6290	0 4800	1 0000 U
THALLIUM	15	0	0 0016	0 0015	0 0020 U	0 0009 U	0 0100 U
TIN	14	0	0 0503	0 1303	0 0193 U	0 0104 U	1 0000 U
VANADIUM	15	2	0 0040	0 0059	0 0048	0 0020 U	0 0500 U

Mean was calculated using half the detection limit for concentrations at the detection limit
U Analyzed but not detected Missing or Not Applicable

SUMMARY STATISTICS FOR LOCATION SW046
JANUARY 1990 THROUGH OCTOBER 1991

Total Metals CLP & Non CLP
(Concentration Units mg/l)

ANALYTE	NUMBER OF SAMPLES	NUMBER OF DETECTS	MEAN	STANDARD DEVIATION	MEDIAN	MINIMUM	MAXIMUM
ZINC	15	13	0 0436	0 0364	0 0362	0 0047 U	0 1620

Mean was calculated using half the detection limit for concentrations at the detection limit
U Analyzed but not detected Missing or Not Applicable

SUMMARY STATISTICS FOR LOCATION SW046
JANUARY 1990 THROUGH OCTOBER 1991

Water Quality Parameters
(Concentration Units mg/l)

ANALYTE	NUMBER OF SAMPLES	NUMBER OF DETECTS	MEAN	STANDARD DEVIATION	MEDIAN	MINIMUM	MAXIMUM
BICARBONATE AS CACO3	15	15	212 0667	39 5067	219 0000	136 0000	265 0000
CARBONATE	5	0	1 7000	1 0954	5 0000 U	1 0000 U	5 0000 U
CARBONATE AS CACO3	11	2	3 6818	2 2613	10 0000 U	0 0000	10 0000 U
CBOD5	3	3	5 4333	1 3787	5 5500	4 0000	6 7500
CHLORIDE	14	14	102 1357	18 8285	107 5000	55 0000	122 0000
CYANIDE	11	0	3 6391	3 2300	10 0000 U	0 0100 U	20 0000 U
DISSOLVED ORGANIC CARBON	2	2	4 0000	0 0000	4 0000	4 0000	4 0000
FLUORIDE	12	12	0 9408	0 0995	0 9600	0 7000	1 1000
HYDROGEN SULFIDE	1	0	5 0000		10 0000 U	10 0000 U	10 0000 U
NITRATE	1	1	4 1800		4 1800	4 1800	4 1800
NITRATE/NITRITE	14	14	8 0643	1 4275	8 0000	6 3000	11 0000
NITRITE	12	7	0 0900	0 1467	0 0480	0 0200 U	0 5400
OIL AND GREASE	14	2	2 3000	1 9156	5 3500 U	0 2000 U	7 4000 U
PARATHION ETHYL	11	0	0 0195	0 0093	0 0500 U	0 0100 U	0 0500 U
PHOSPHATE	4	2	0 0560	0 0421	0 0595	0 0100 U	0 2000 U

Mean was calculated using half the detection limit for concentrations at the detection limit
U Analyzed but not detected Missing or Not Applicable

SUMMARY STATISTICS FOR LOCATION SW046
JANUARY 1990 THROUGH OCTOBER 1991

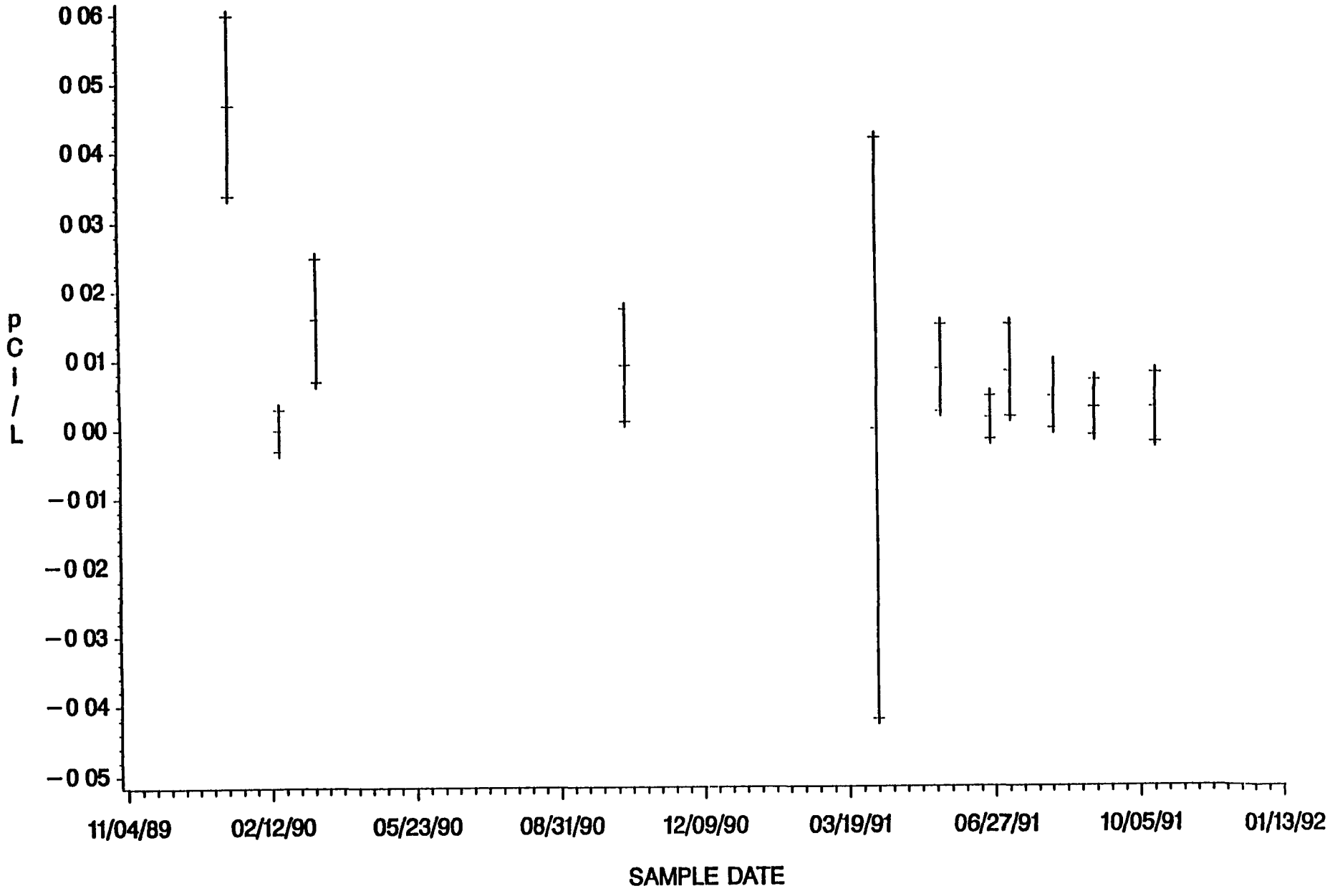
Water Quality Parameters
(Concentration Units mg/l)

ANALYTE	NUMBER OF SAMPLES	NUMBER OF DETECTS	MEAN	STANDARD DEVIATION	MEDIAN	MINIMUM	MAXIMUM
PHOSPHORUS	8	4	0 0636	0 0575	0 0550	0 0500 U	0 1900
SILICA DISSOLVED	4	4	15 3500	11 6678	14 0500	4 3000	29 0000
SODIUM SULFATE	1	1	67 0000		67 0000	67 0000	67 0000
SULFATE	14	14	47 2357	8 5457	46 0000	35 5000	67 8000
SULFIDE	11	1	1 1364	1 4848	1 0000 U	1 0000 U	10 0000 U
TOTAL DISSOLVED SOLIDS	14	14	506 2857	80 4635	493 0000	420 0000	758 0000
TOTAL ORGANIC CARBON	4	4	5 0125	1 0657	5 0750	3 6500	6 2500
TOTAL SUSPENDED SOLIDS	15	11	11 9667	11 5920	8 0000	4 0000 U	38 0000
pH	3	3	7 9667	0 1528	8 0000	7 8000	8 1000

Mean was calculated using half the detection limit for concentrations at the detection limit
U Analyzed but not detected Missing or Not Applicable

Concentrations Over Time

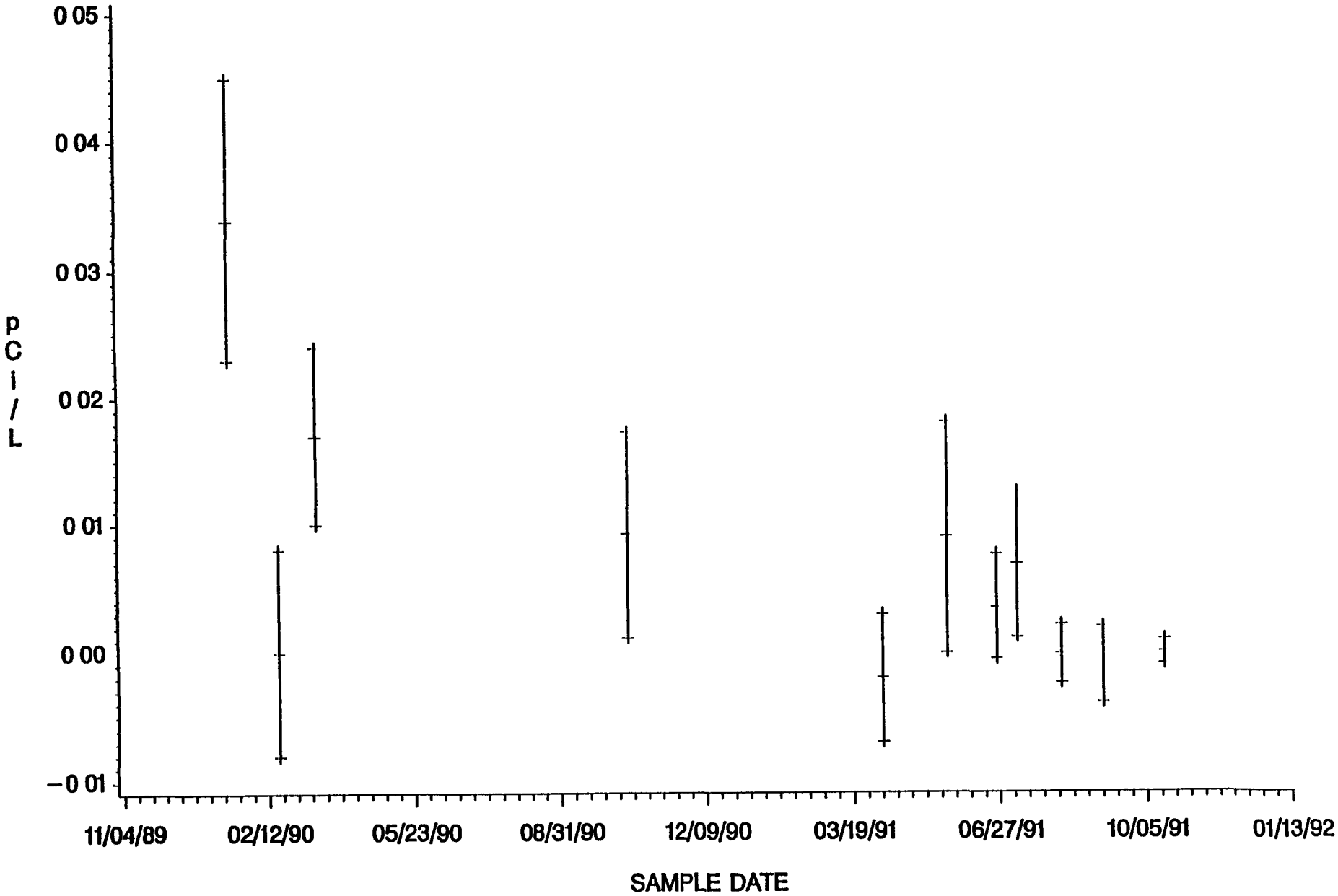
ANALYTE=AMERICIUM-241



Includes Measurement Error Range

Concentrations Over Time

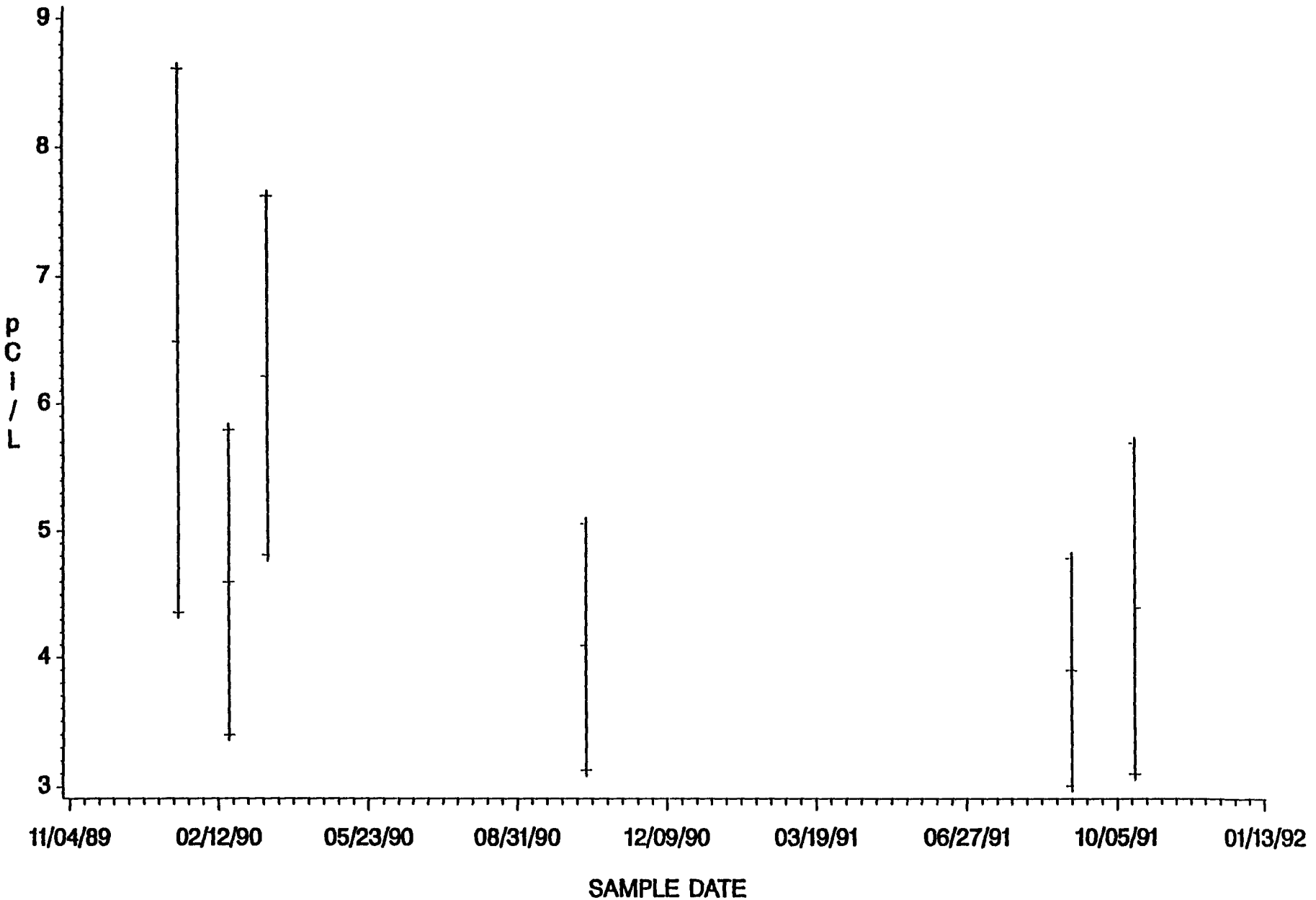
ANALYTE=PLUTONIUM-239/240



Includes Measurement Error Range

Concentrations Over Time

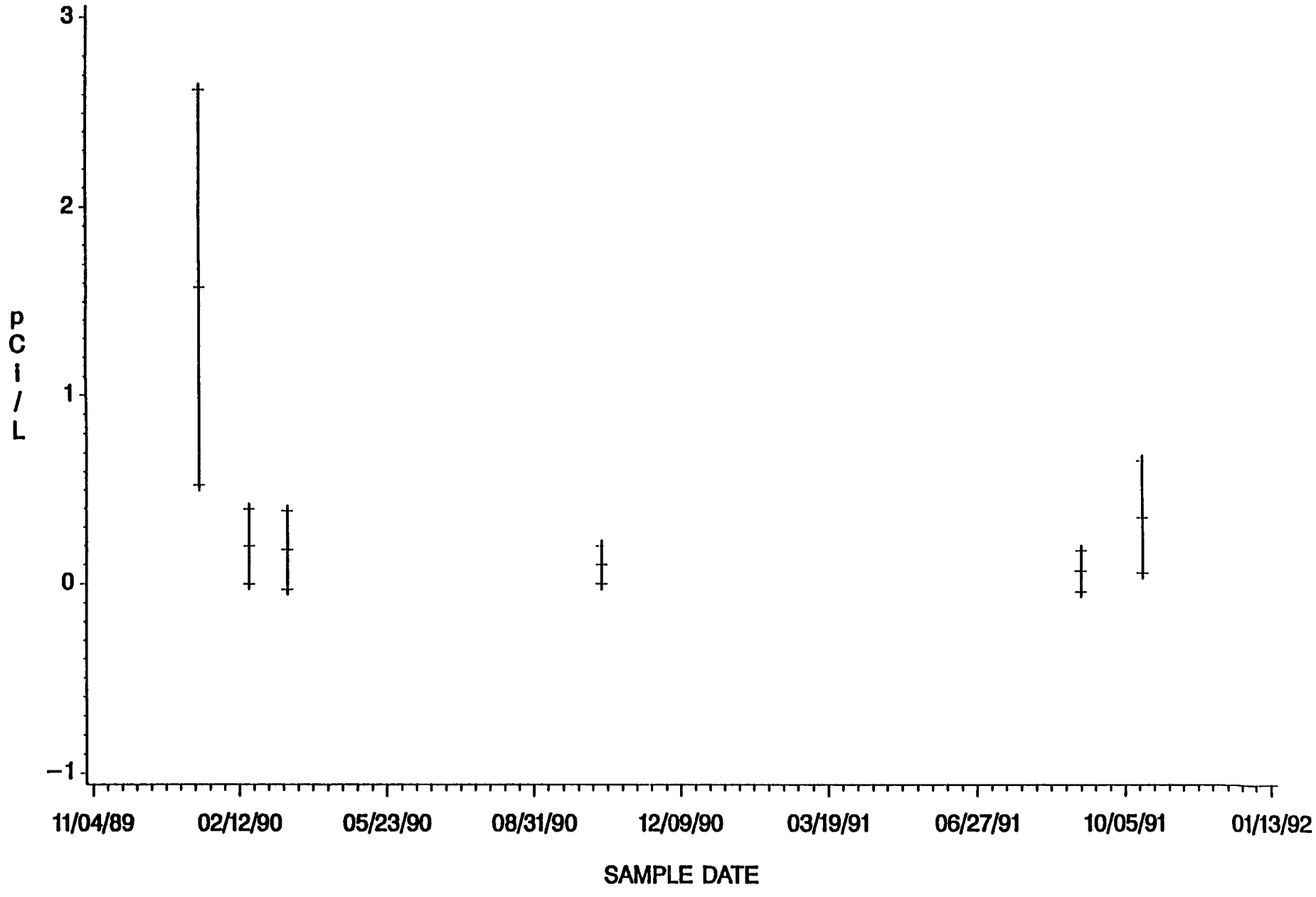
ANALYTE = URANIUM – 233 – 234



Includes Measurement Error Range

Concentrations Over Time

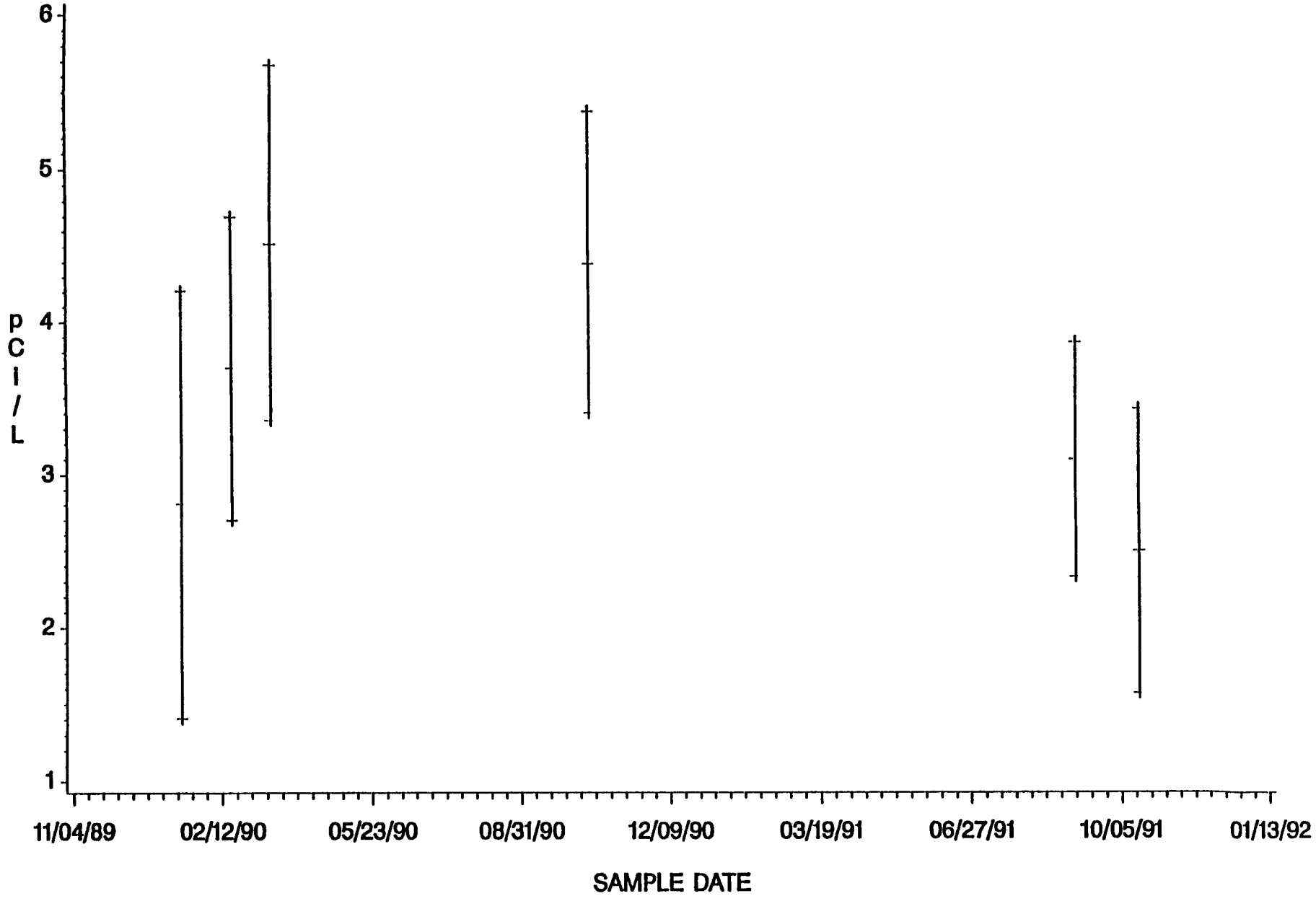
ANALYTE=URANIUM-235



Includes Measurement Error Range

Concentrations Over Time

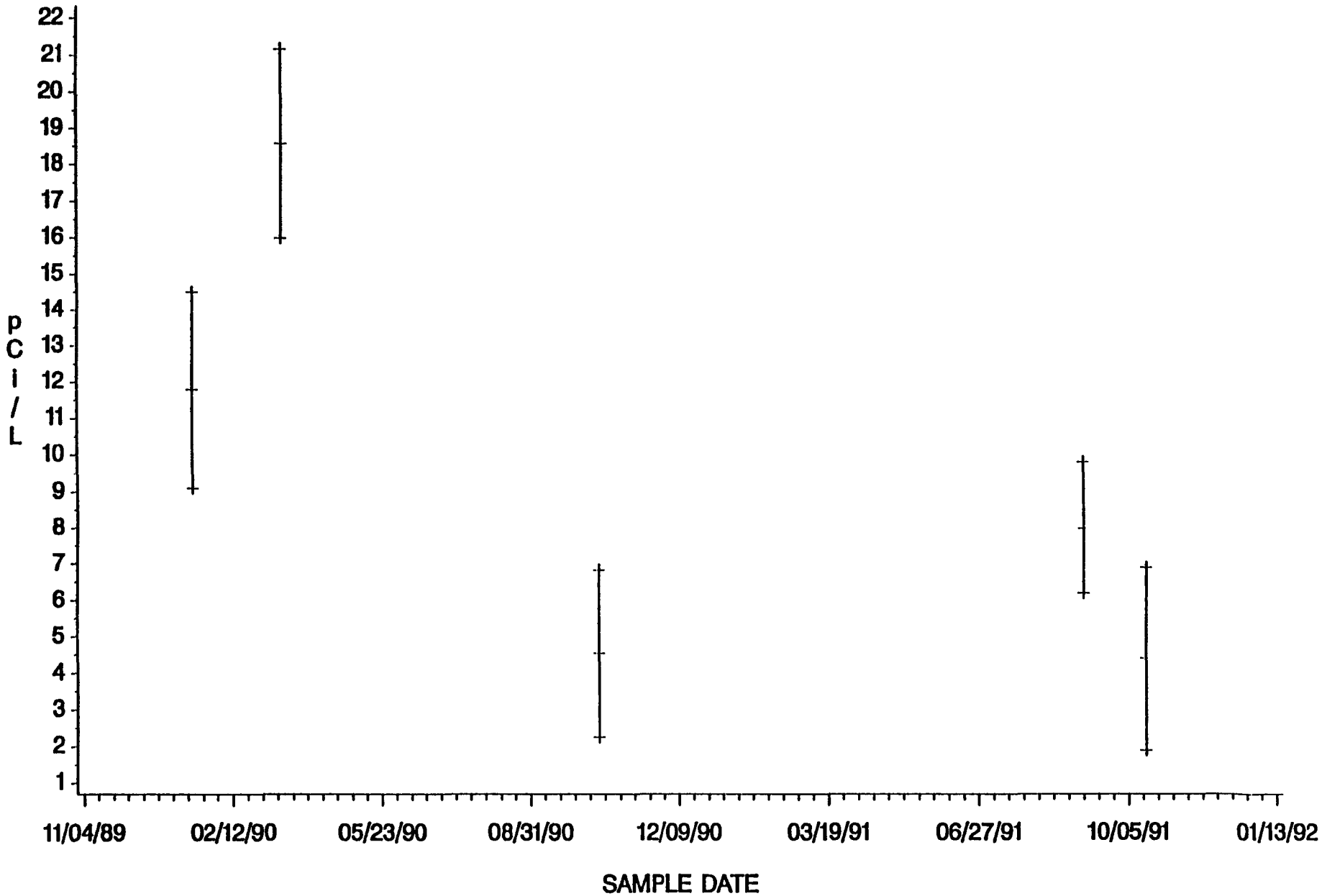
ANALYTE = URANIUM – 238



Includes Meas ement Error Range

Concentrations Over Time

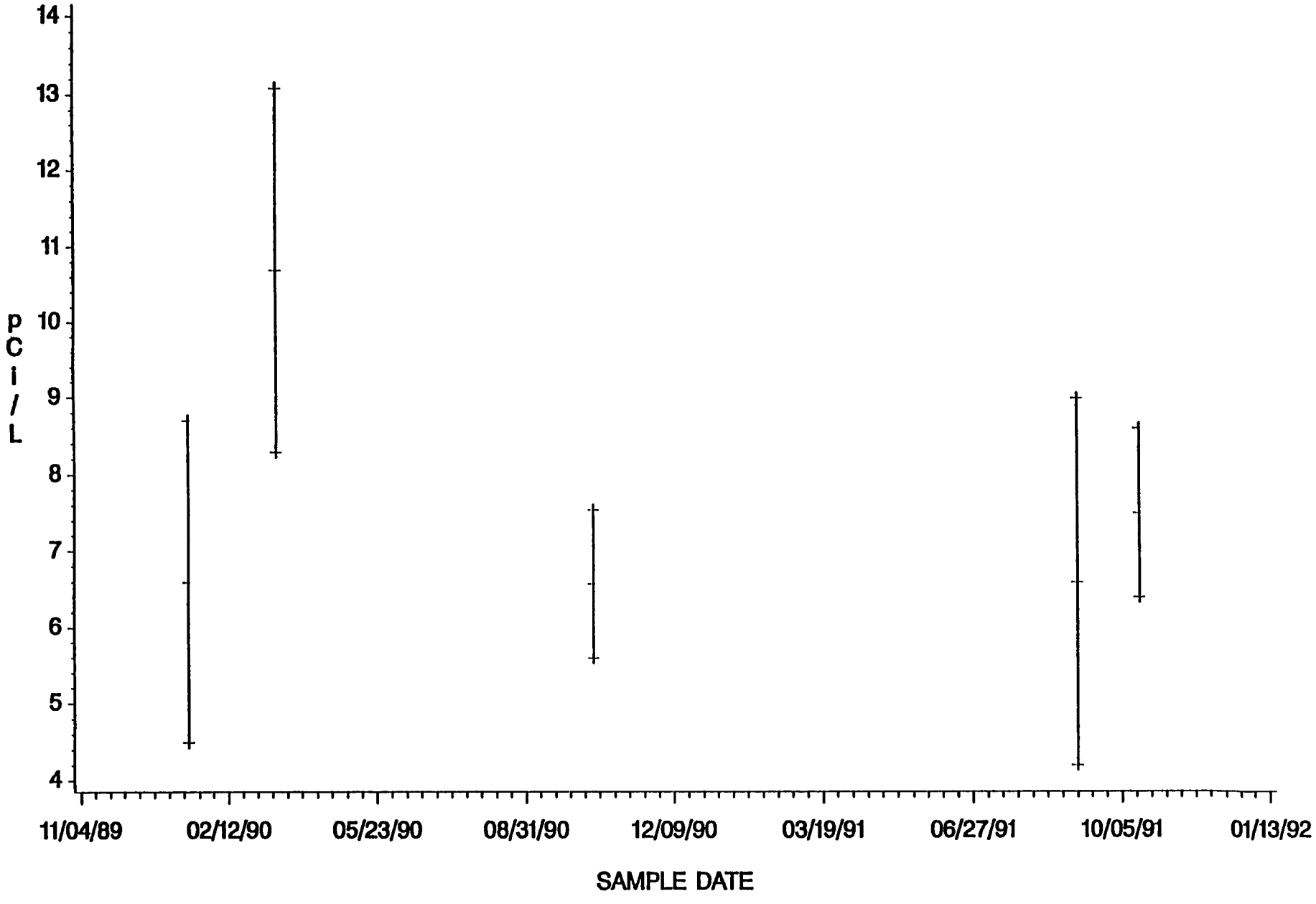
ANALYTE=GROSS ALPHA



Includes Meas ement Error Range

Concentrations Over Time

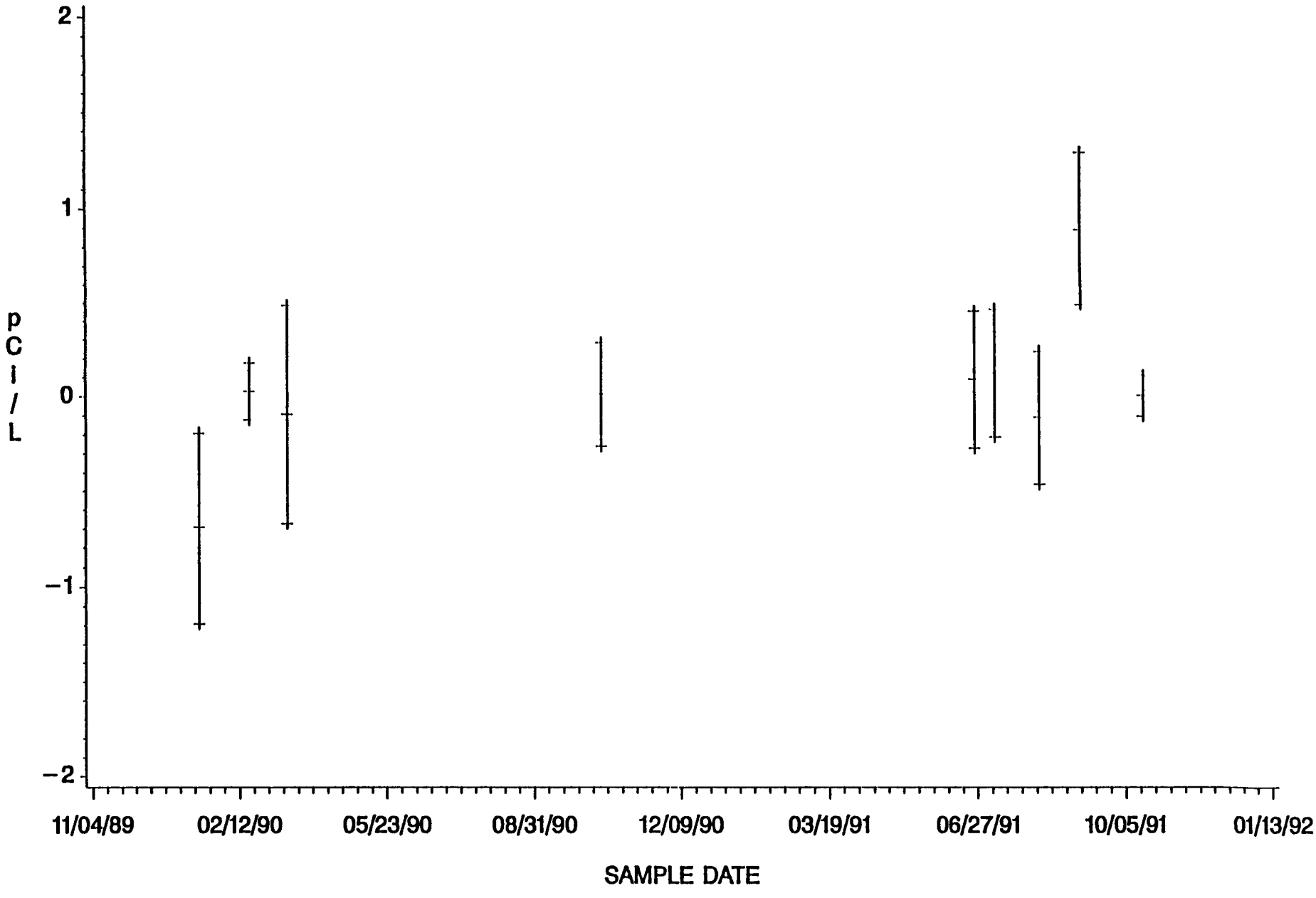
ANALYTE=GROSS BETA



Includes Measurement Error Range

Concentrations Over Time

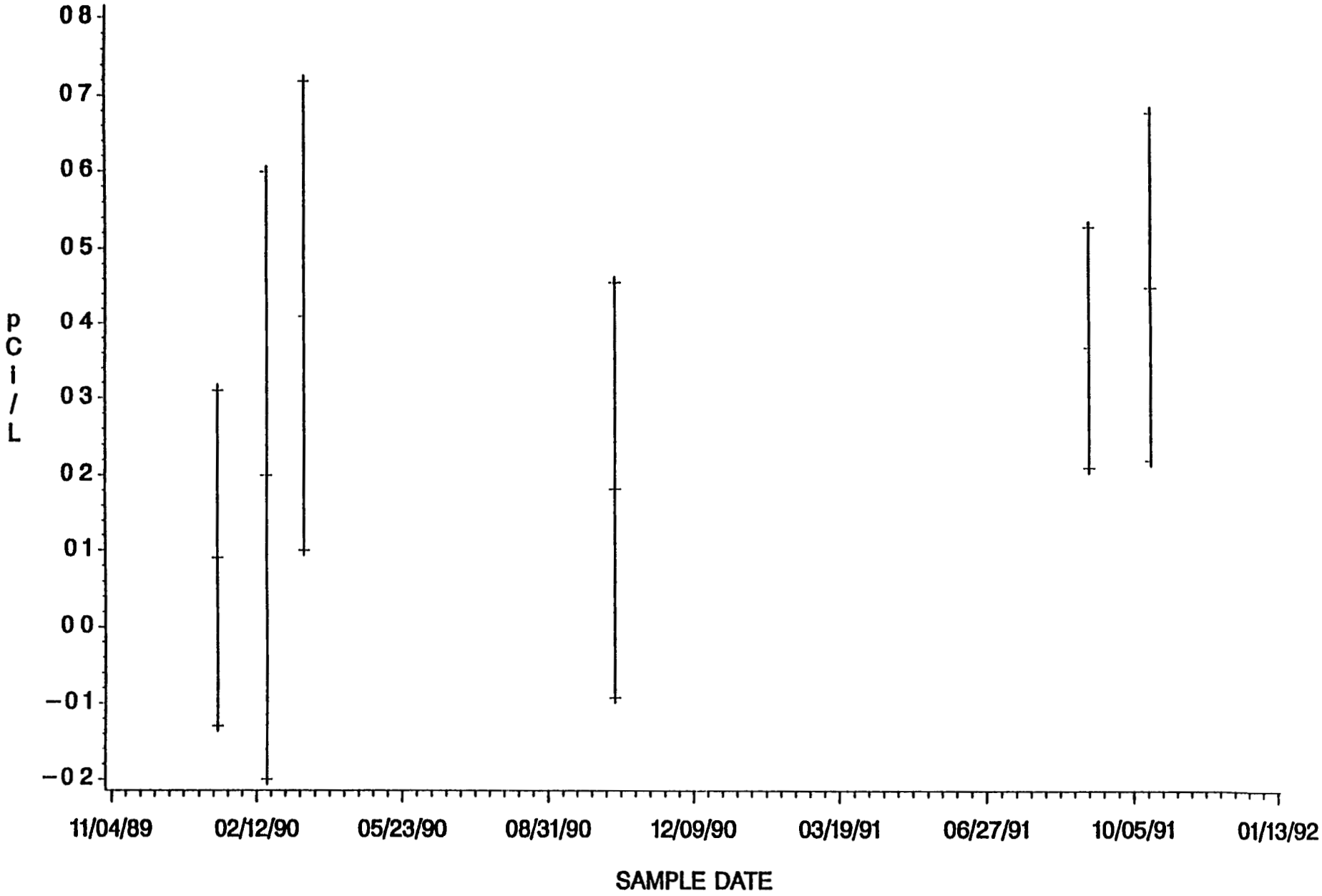
ANALYTE = CESIUM – 137



Includes Measurement Error Range

Concentrations Over Time

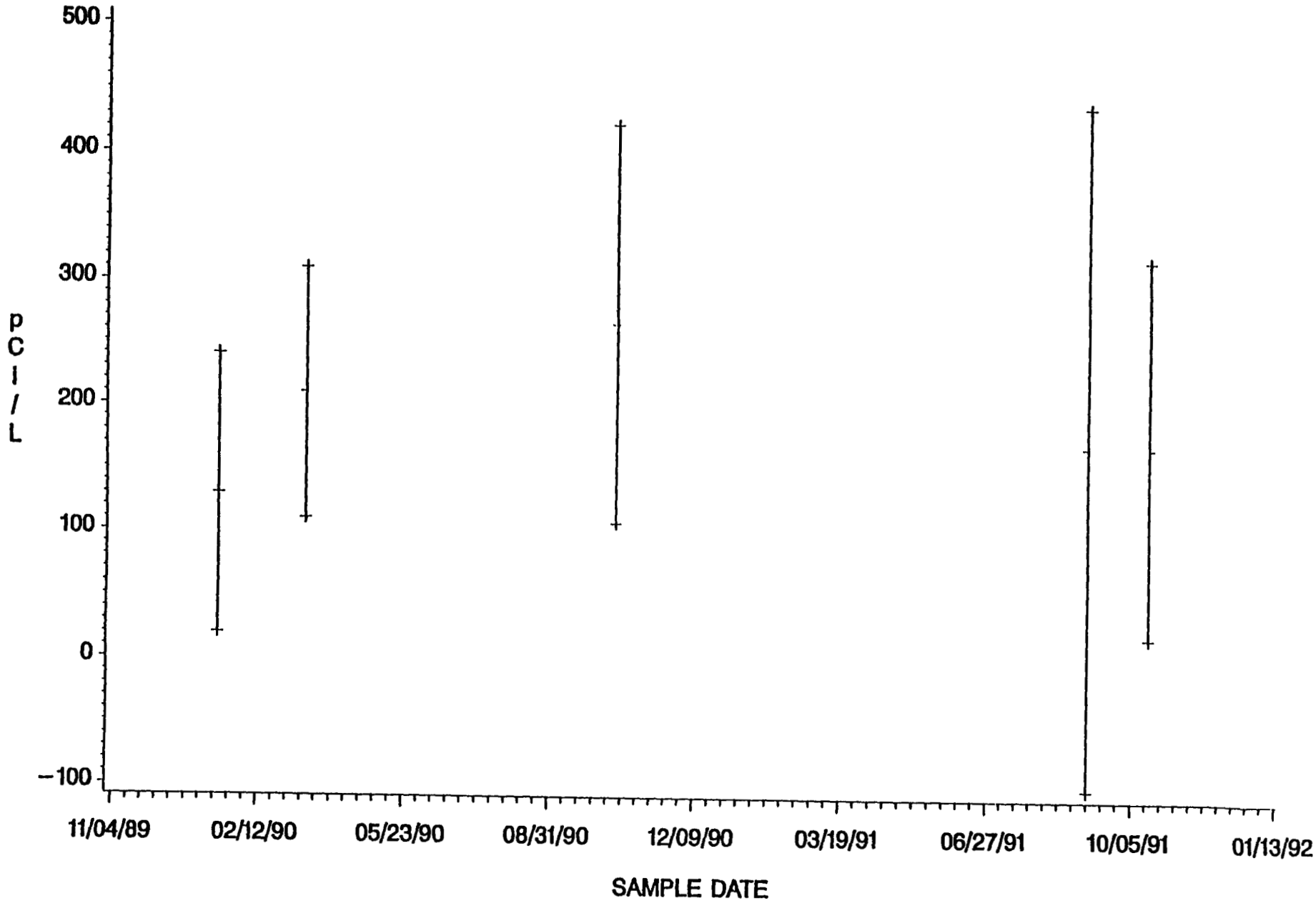
ANALYTE = STRONTIUM – 89 90



Includes Measurement Error Range

Concentrations Over Time

ANALYTE=TRITIUM



Includes Measurement Error Range