

PNNL--11140

RECEIVED

NOV 28 1997

OSTI

Hanford Site



Environmental Surveillance Data 1995

Prepared for the U.S. Department of Energy
under Contract DE-AC06-76RLO 1830

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor Battelle Memorial Institute, nor any of their employees, makes **any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.** Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or Battelle Memorial Institute. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

PACIFIC NORTHWEST NATIONAL LABORATORY
operated by
BATTELLE
for the
UNITED STATES DEPARTMENT OF ENERGY
under Contract DE-AC06-76RLO 1830

Printed in the United States of America

Available to DOE and DOE contractors from the
Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN 37831;
prices available from (615) 576-8401.

Available to the public from the National Technical Information Service,
U.S. Department of Commerce, 5285 Port Royal Rd., Springfield, VA 22161



The document was printed on recycled paper.

HANFORD SITE ENVIRONMENTAL DATA
REPORT FOR CALENDAR YEAR 1995

L. E. Bisping

July 1996

Prepared for
the U.S. Department of Energy
under Contract DE-AC06-76RLO 1830

Pacific Northwest National Laboratory
Richland, Washington 99352

MASTER

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

DISCLAIMER

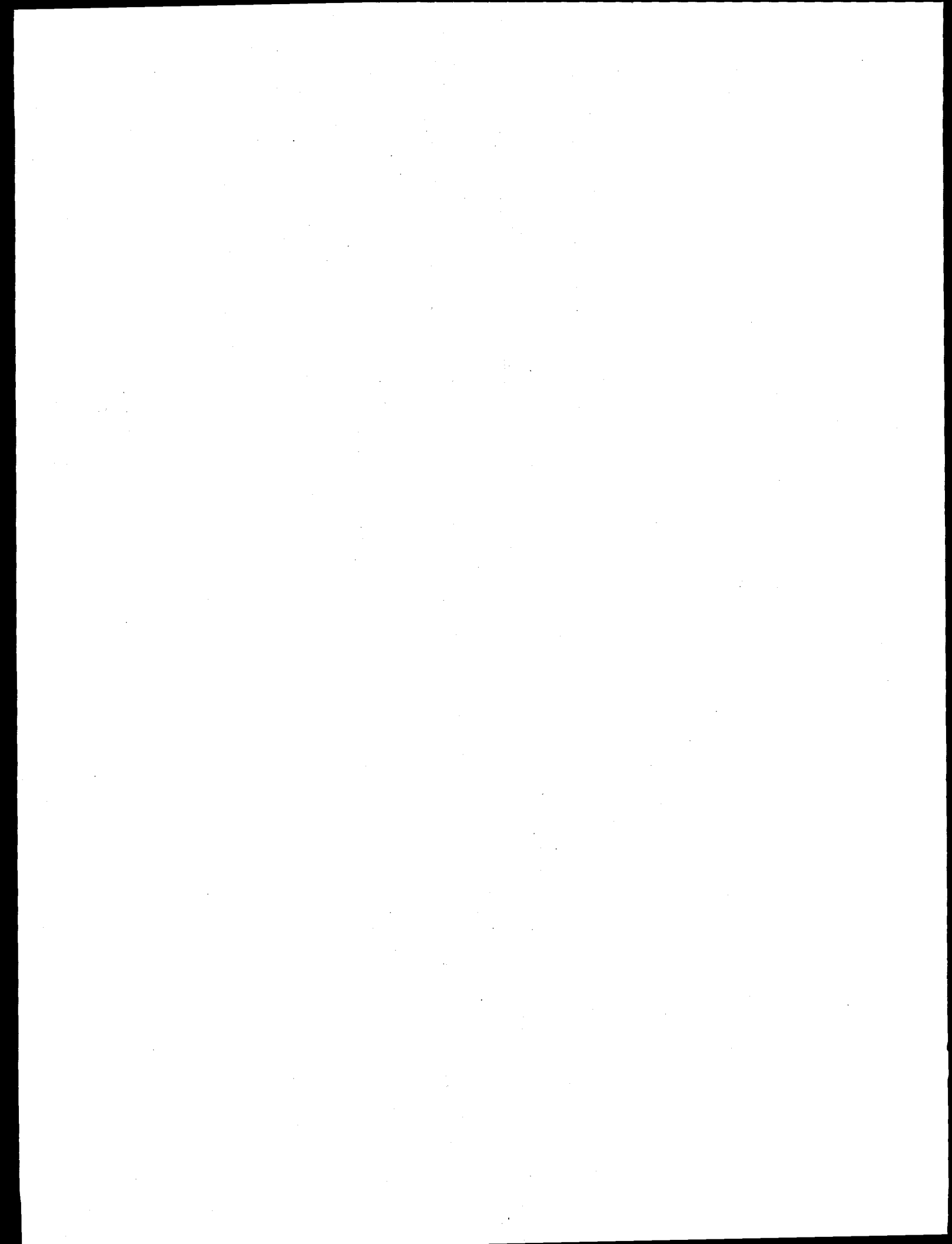
Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

ABSTRACT

Environmental surveillance at the Hanford Site, located in southeastern Washington State, is conducted by Battelle Memorial Institute, Pacific Northwest Division, as part of its contract to operate the Pacific Northwest National Laboratory (PNNL) for the U.S. Department of Energy. The data collected provide a historical record of radionuclide and radiation levels attributable to natural causes, worldwide fallout, and Hanford operations. Data are also collected to monitor several chemicals and metals in Columbia River Water and Sediment.

Pacific Northwest National Laboratory publishes an annual environmental report for the Hanford Site each calendar year. The Hanford Site Environmental Report for Calendar Year 1995 describes the Site mission and activities, general environmental features, radiological and chemical releases from operations, status of compliance with environmental regulations, status of programs to accomplish compliance, and environmental monitoring activities and results. The report includes a summary of offsite and onsite environmental monitoring data collected during 1995 by PNNL's Environmental Monitoring Program. Appendix A of that report contains data summaries created from raw surface, river monitoring data, and chemical air data. This volume contains the actual raw data used to create the summaries. The data volume also includes Hanford Site drinking water radiological data.

For more information, refer to R. L. Dirkes and R. W. Hanf, 1996, Hanford Site Environmental Report for Calendar Year 1995 (PNNL-11139, Pacific Northwest National Laboratory, Richland, Washington), or contact R. L. Dirkes, Project Manager, Surface Environmental Surveillance Project, P.O. Box 999, Pacific Northwest National Laboratory, Richland, Washington.



INTRODUCTION

The following sections provide tables of data on which much of the information in the Hanford Site Environmental Data Report for Calendar Year 1995 was based. Information that may help to understand these tables is provided below.

GENERAL

The total propagated analytical uncertainty for individual results are 2 sigma counting errors.

Soil and natural vegetation samples have been collected on and around the Hanford Site for almost 40 years and a database documents concentrations of these samples at specific locations. As a result, no soil or natural vegetation samples were collected by PNNL during 1995 and future sampling will be conducted on an as-needed basis in support of Site cleanup activities and facility operations.

EXTERNAL RADIATION DATA

The Thermoluminescent Dosimeter (TLD) readings in this data volume are in milliroentgens per day (mR/day) and have been converted to mrem/year for presentation in the annual report.

LOCATION NAMES

Some location names are different in this data volume than in the annual environmental report. The following is a list of corresponding names that are dissimilar or that might be confused:

<u>Media</u>	<u>Data Base Name</u>	<u>Annual Report Name</u>
Air	Edwin Markham School Leslie Groves-Richland 200 Tel. Exchange	North Franklin County Richland GTE Building
Wildlife	Rocky Reach	Wenatchee River

INTRODUCTION (contd)

<u>Media</u>	<u>Data Base Name</u>	<u>Annual Report Name</u>
Drinking Water	FFTF Firing Range ALE	400 Areas Patrol Training Academy Fitzner/Eberhardt Arid Lands Ecology Reserve

CONTENTS

ABSTRACT	iii
INTRODUCTION	v
AIR	1 ^(a)
Particulate Filter	1
Gases and Vapor	112
SURFACE WATER	137
Composited Samples (Unfiltered)	137
River Flow	141
Continuous Filter/Resin	149
River Transects	153
Spring Water	173
Onsite Ponds	179
Irrigation	181
Offsite Drinking	182
DRINKING WATER	185
Preliminary USGS Columbia River Water Quality Data for Vernita Bridge Near Priest Rapids Dam, Washington	Water.1
Preliminary USGS Columbia River Water Quality Data for Richland, Washington Near the Richland Pumphouse	Water.2
Volatile Organic Compound Data for Columbia River Transects and Riverbank Springs, 1995	Water.3
Total Recoverable Metal and Anion Data for Columbia River Transects Water, 1995	Water.5
Total Recoverable Metal and Anion Data for Columbia Riverbank Springs, 1995	Water.15

(a) Page numbers in the raw data sections appear in the upper right-hand corner of the page.

CONTENTS (contd)

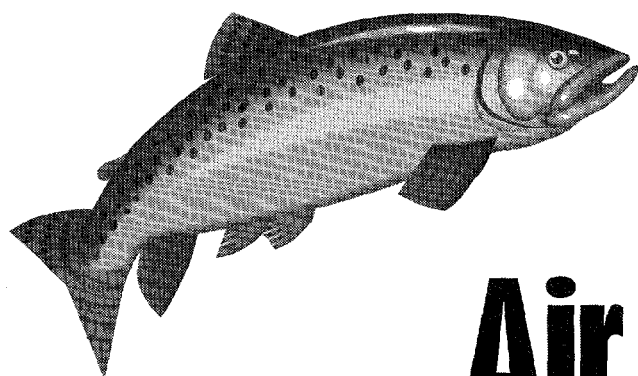
THERMOLUMINESCENT DOSIMETERS (TLDs)	190
FOODSTUFFS	199
Milk Samples	199
Leafy Vegetables	203
Vegetables	204
Fruit	207
Wine	212
Wheat and Alfalfa	214
Eggs and Poultry	218
WILDLIFE	219
Aquatic Biota	219
Geese	228
Deer	230
Metals in Pigeon Tissue Samples, 1995	Wildlife.1
SEDIMENT	233
Metals in Columbia River Sediment and Riverbank Springs, 1995	Sediment.1
DOSE CALCULATION INFORMATION	
Distribution of Population in 80-km Radius of the 100-N Area by Grid Sector	Dose.1
Distribution of Population in 80-km Radius of the 200 Areas by Grid Sector	Dose.1
Distribution of Population in 80-km Radius of the 300 Area by Grid Sector	Dose.2
Distribution of Population in 80-km Radius of the 400 Area by Grid Sector	Dose.3

CONTENTS (contd)

Annual Average Dispersion Factor ($\bar{X}/Q'$) Around the 100 Area during 1995 for a 10-Meter Release Height	Dose.4
Annual Average Dispersion Factor ($\bar{X}/Q'$) Around the 200 Area during 1995 for an 89-Meter Release Height	Dose.5
Annual Average Dispersion Factor ($\bar{X}/Q'$) Around the 300 Area during 1995 for a 10-Meter Release Height	Dose.6
Annual Average Dispersion Factor ($\bar{X}/Q'$) Around the 300 Area during 1995 for a 61-Meter Release Height	Dose.7
Annual Average Dispersion Factor ($\bar{X}/Q'$) Around the 400 Area during 1995 for a 10-Meter Release Height	Dose.8

QUALITY ASSURANCE

Quanterra Environmental Services (QES) Performance on Surface Environmental Surveillance Project Blind Samples, 1995	Quality.1
Quanterra Environmental Services (QES) Performance Data on EPA Intercomparison Program Samples, 1995	Quality.3
Quanterra Environmental Services (QES) Performance Data on the DOE Quality Assessment Program Samples, 1995	Quality.5
DataChem Laboratory Performance Data on EPA Water Supply and Water Pollution Intercomparison Program Samples, 1995	Quality.7



Air

2230 100 K AREA

2231 100 N-1325 CRIB

2232 100 D AREA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3	OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3	OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/18/1995		(3.550E-04)	(3.830E-02)	01/18/1995		(7.080E-04)	(3.810E-02)	01/18/1995		(3.510E-04)	(3.990E-02)
		(2.460E-04)	(4.130E-03)			(3.500E-04)	(4.360E-03)			(2.650E-04)	(4.510E-03)
02/01/1995		(5.150E-04)	(2.370E-02)	02/01/1995		(7.530E-04)	(2.690E-02)	02/01/1995		(6.450E-04)	(2.410E-02)
		(3.180E-04)	(2.900E-03)			(2.900E-04)	(3.130E-03)			(3.420E-04)	(3.030E-03)
02/15/1995		(5.280E-04)	(1.850E-02)	02/15/1995		(6.610E-04)	(2.040E-02)	02/15/1995		(2.340E-04)	(2.060E-02)
		(2.870E-04)	(2.490E-03)			(3.340E-04)	(2.550E-03)			(2.120E-04)	(2.620E-03)
03/01/1995		(4.390E-04)	(1.150E-02)	03/01/1995		(1.530E-04)	(1.270E-02)	03/01/1995		(2.690E-04)	(1.250E-02)
		(2.860E-04)	(1.820E-03)			(2.040E-04)	(1.900E-03)			(2.490E-04)	(1.910E-03)
03/15/1995		(1.740E-04)	(1.670E-02)	03/15/1995		(1.630E-04)	(1.700E-02)	03/15/1995		(2.760E-04)	(1.710E-02)
		(2.070E-04)	(2.310E-03)			(2.090E-04)	(2.260E-03)			(2.400E-04)	(2.250E-03)
03/29/1995		(1.290E-04)	(1.040E-02)	03/29/1995		(4.050E-04)	(1.060E-02)	03/29/1995		(1.750E-04)	(1.030E-02)
		(1.990E-04)	(1.670E-03)			(2.690E-04)	(1.670E-03)			(2.080E-04)	(1.640E-03)
04/12/1995		(2.640E-04)	(1.180E-02)	04/12/1995		(2.460E-04)	(1.190E-02)	04/12/1995		(5.290E-04)	(1.170E-02)
		(2.210E-04)	(1.780E-03)			(2.200E-04)	(1.870E-03)			(2.960E-04)	(1.830E-03)
04/26/1995		(4.420E-04)	(8.730E-03)	04/26/1995		(2.150E-04)	(9.610E-03)	04/26/1995		(3.650E-04)	(9.410E-03)
		(2.770E-04)	(1.560E-03)			(2.100E-04)	(1.630E-03)			(2.520E-04)	(1.560E-03)
05/10/1995	1	(2.080E-04)	(1.110E-02)	05/10/1995		(3.800E-04)	(1.280E-02)	05/10/1995		(5.770E-04)	(1.130E-02)
		(3.310E-04)	(2.290E-03)			(2.710E-04)	(1.870E-03)			(3.230E-04)	(1.760E-03)
05/24/1995	2	(3.960E-04)	(1.170E-02)	05/24/1995		(3.680E-04)	(1.390E-02)	05/24/1995		(2.120E-04)	(1.310E-02)
		(3.480E-04)	(2.100E-03)			(2.430E-04)	(2.010E-03)			(2.090E-04)	(1.890E-03)
06/07/1995		(7.020E-04)	(1.510E-02)	06/07/1995		(4.730E-04)	(1.720E-02)	06/07/1995		(7.590E-04)	(1.490E-02)
		(3.420E-04)	(2.090E-03)			(2.850E-04)	(2.270E-03)			(3.430E-04)	(2.060E-03)
06/21/1995		(9.140E-05)	(6.040E-03)	06/21/1995		< -6.440E-05	(6.630E-03)	06/21/1995		(4.180E-04)	(6.220E-03)
		(1.990E-04)	(1.250E-03)			(1.530E-04)	(1.350E-03)			(2.770E-04)	(1.290E-03)
07/05/1995		(6.030E-04)	(1.380E-02)	07/05/1995		(4.950E-04)	(1.320E-02)	07/05/1995		(5.810E-04)	(1.170E-02)
		(3.250E-04)	(2.050E-03)			(3.050E-04)	(1.910E-03)			(3.160E-04)	(1.800E-03)
07/18/1995		(1.150E-04)	(1.070E-02)	07/18/1995		(1.980E-04)	(1.130E-02)	07/18/1995		(1.920E-04)	(1.350E-02)
		(1.950E-04)	(1.800E-03)			(2.290E-04)	(1.780E-03)			(2.130E-04)	(2.080E-03)
08/02/1995		(1.870E-04)	(1.140E-02)	08/02/1995		(1.960E-04)	(8.430E-03)	08/02/1995		(2.860E-04)	(1.080E-02)
		(2.090E-04)	(1.770E-03)			(2.150E-04)	(1.430E-03)			(2.510E-04)	(1.670E-03)
08/16/1995		(5.100E-06)	(8.740E-03)	08/16/1995		(2.440E-04)	(8.970E-03)	08/16/1995		(3.910E-04)	(9.340E-03)
		(1.510E-04)	(1.500E-03)			(2.400E-04)	(1.520E-03)			(2.770E-04)	(1.560E-03)
08/30/1995		(1.900E-04)	(1.390E-02)	08/30/1995		(2.230E-04)	(1.420E-02)	08/30/1995		(3.490E-04)	(1.160E-02)
		(2.180E-04)	(1.960E-03)			(2.270E-04)	(2.080E-03)			(2.610E-04)	(1.810E-03)
09/13/1995		(5.460E-04)	(2.450E-02)	09/13/1995		(8.000E-04)	(2.200E-02)	09/13/1995		(4.400E-04)	(2.160E-02)
		(3.230E-04)	(2.920E-03)			(3.520E-04)	(2.690E-03)			(2.750E-04)	(2.780E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/09/1995 TO 01/04/1996
AIR - PARTICULATE FILTER

Page 2

2230 100 K AREA				2231 100 N-1325 CRIB				2232 100 D AREA			
OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3	OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3	OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/27/1995		6.430E-04 (3.260E-04)	3.240E-02 (3.820E-03)	09/27/1995		9.430E-04 (3.860E-04)	3.190E-02 (3.570E-03)	09/27/1995		1.480E-04 (2.370E-04)	2.990E-02 (3.460E-03)
10/10/1995		7.720E-05 (2.090E-04)	9.470E-03 (1.620E-03)	10/10/1995		1.520E-04 (2.080E-04)	9.050E-03 (1.580E-03)	10/10/1995		1.950E-04 (2.390E-04)	8.900E-03 (1.570E-03)
10/25/1995		1.240E-04 (2.230E-04)	1.320E-02 (1.860E-03)	10/25/1995		1.600E-04 (2.020E-04)	1.260E-02 (1.810E-03)	10/25/1995		3.110E-04 (2.460E-04)	1.330E-02 (1.940E-03)
11/08/1995		5.500E-04 (3.050E-04)	2.560E-02 (3.170E-03)	11/08/1995		5.160E-04 (2.890E-04)	2.280E-02 (2.760E-03)	11/08/1995		6.110E-04 (3.250E-04)	2.740E-02 (3.230E-03)
11/22/1995		3.860E-04 (2.770E-04)	1.660E-02 (2.310E-03)	11/22/1995		2.240E-04 (2.400E-04)	1.250E-02 (1.850E-03)	11/22/1995		4.430E-04 (2.950E-04)	1.490E-02 (2.100E-03)
12/06/1995		3.760E-04 (2.890E-04)	1.310E-02 (1.900E-03)	12/06/1995		2.750E-04 (2.490E-04)	1.530E-02 (2.100E-03)	12/06/1995		2.290E-04 (2.310E-04)	1.500E-02 (2.070E-03)
12/20/1995		6.170E-04 (3.140E-04)	2.300E-02 (2.780E-03)	12/20/1995		5.970E-04 (3.290E-04)	2.450E-02 (2.910E-03)	12/20/1995		5.070E-04 (2.970E-04)	2.350E-02 (2.830E-03)
01/02/1996		4.320E-04 (2.940E-04)	6.340E-02 (6.410E-03)	01/02/1996		8.200E-04 (3.770E-04)	6.910E-02 (7.330E-03)	01/02/1996		7.900E-04 (3.750E-04)	6.680E-02 (6.700E-03)
MEAN		3.498E-04	1.782E-02	MEAN		3.963E-04	1.821E-02	MEAN		3.955E-04	1.805E-02
MINIMUM		5.100E-06	6.040E-03	MINIMUM	<	-6.440E-05	6.630E-03	MINIMUM		1.480E-04	6.220E-03
MAXIMUM		7.020E-04	6.340E-02	MAXIMUM		9.430E-04	6.910E-02	MAXIMUM		7.900E-04	6.680E-02
2STD. ERR		3.679E-03	4.745E-03	2STD. ERR		3.671E-03	5.085E-03	2STD. ERR		3.678E-03	4.931E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 LOW EXPOSURE HOURS DUE TO POWER OUTAGE.

2 TEMPORARY POWER OUTAGE.

2227 100 AREAS-100 K AREA, 100 N-1325 CRIB, 100 D AREA (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
03/29/1995		1.810E-01 (2.330E-02)	2.070E-04 (1.580E-04)	9.780E-05 (2.220E-04)	< -1.990E-04 (2.460E-04)	6.510E-03 (5.300E-03)	nra	nra	nra
07/05/1995	1	1.660E-01 (2.260E-02)	1.670E-04 (2.020E-04)	2.320E-06 (1.750E-04)	< -1.210E-04 (2.280E-04)	8.710E-03 (3.820E-03)	nra	nra	nra
09/27/1995		2.470E-01 (3.030E-02)	< -7.270E-05 (2.630E-04)	1.950E-05 (2.000E-04)	< -2.830E-06 (2.260E-04)	2.760E-03 (5.600E-03)	nra	nra	nra
01/02/1996		9.980E-02 (1.380E-02)	< -5.090E-05 (1.840E-04)	6.900E-05 (1.330E-04)	7.750E-04 (3.250E-03)	1.050E-07 (1.500E-07)	1.640E-06 (4.890E-07)	1.830E-06 (5.320E-06)	
MEAN		1.735E-01	6.260E-05	1.641E-05	-6.346E-05	4.689E-03	1.050E-07	1.640E-06	1.830E-06
MINIMUM		9.980E-02	< -7.270E-05	< -5.400E-05	< -1.990E-04	7.750E-04	1.050E-07	1.640E-06	1.830E-06
MAXIMUM		2.470E-01	2.070E-04	9.780E-05	6.900E-05	8.710E-03	1.050E-07	1.640E-06	1.830E-06
2STD. ERR		6.041E-02	1.448E-04	6.269E-05	1.196E-04	3.584E-03	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2230 on 05/10/1995

LOW EXPOSURE HOURS DUE TO POWER OUTAGE.

Comment for sample 2230 on 05/24/1995

TEMPORARY POWER OUTAGE.

2234 N OF 200 E

OFF DATE	COM	BETA	
		PCI/M3	NR
01/10/1995			
01/24/1995		1.020E-02	
		{ 1.660E-03}	
02/07/1995	1	2.460E-02	
		{ 3.060E-03}	
02/21/1995		1.420E-02	
		{ 2.000E-03}	
03/07/1995		1.730E-02	
		{ 2.270E-03}	
03/21/1995		7.760E-03	
		{ 1.420E-03}	
04/04/1995		1.330E-02	
		{ 1.920E-03}	
04/18/1995		8.180E-03	
		{ 1.490E-03}	
05/02/1995		1.080E-02	
		{ 1.750E-03}	
05/16/1995		1.010E-02	
		{ 1.640E-03}	
05/30/1995		1.500E-02	
		{ 2.060E-03}	
06/12/1995		1.160E-02	
		{ 1.820E-03}	
06/27/1995		7.930E-03	
		{ 1.380E-03}	
07/11/1995		1.430E-02	
		{ 2.030E-03}	
07/25/1995		1.240E-02	
		{ 1.840E-03}	
08/08/1995		7.120E-03	
		{ 1.360E-03}	
08/22/1995		8.890E-03	
		{ 1.570E-03}	
09/06/1995		1.770E-02	
		{ 2.260E-03}	

2234 N OF 200 E

OFF DATE	COM	BETA PCI/M3
09/19/1995		2.340E-02 (3.000E-03)
10/03/1995		2.170E-02 (2.740E-03)
10/17/1995		1.190E-02 (1.790E-03)
11/01/1995		1.460E-02 (2.080E-03)
11/14/1995		2.570E-02 (3.070E-03)
11/28/1995		1.680E-02 (2.230E-03)
12/12/1995		1.730E-02 (2.310E-03)
12/27/1995		3.940E-02 (4.180E-03)
MEAN		1.529E-02
MINIMUM		7.120E-03
MAXIMUM		3.940E-02
2STD. ERR		2.923E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 HEAVY EQUIPMENT AROUND SAMPLING LOCATION.

2773 N OF 200 E-N OF 200 E (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3
12/27/1995	1	3.350E-01 (5.140E-02)	1.670E-04 (1.630E-04)	2.600E-05 (1.540E-04)	7.990E-05 (1.390E-04)	2.350E-03 (3.910E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 Comment for sample 2234 on 02/07/1995
 HEAVY EQUIPMENT AROUND SAMPLING LOCATION.

2238 E OF 200 E

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/10/1995		8.370E-04 (4.090E-04)	5.080E-02 (5.610E-03)
01/24/1995		2.940E-04 (2.400E-04)	1.450E-02 (2.020E-03)
02/07/1995		6.050E-04 (2.410E-04)	2.880E-02 (3.290E-03)
02/21/1995		3.490E-04 (2.540E-04)	1.700E-02 (2.250E-03)
03/07/1995		5.550E-04 (3.180E-04)	1.590E-02 (2.150E-03)
03/21/1995		3.310E-04 (2.420E-04)	1.100E-02 (1.700E-03)
04/04/1995		4.000E-04 (2.620E-04)	1.530E-02 (2.100E-03)
04/18/1995		4.550E-05 (1.760E-04)	9.730E-03 (1.640E-03)
05/02/1995		4.190E-04 (2.640E-04)	1.400E-02 (1.980E-03)
05/16/1995		4.620E-04 (2.880E-04)	1.480E-02 (2.060E-03)
05/30/1995		4.170E-04 (2.650E-04)	1.520E-02 (2.030E-03)
06/12/1995		2.950E-04 (2.590E-04)	1.100E-02 (1.760E-03)
06/27/1995		4.260E-04 (2.850E-04)	8.270E-03 (1.410E-03)
07/11/1995		3.930E-04 (2.590E-04)	1.290E-02 (1.880E-03)
07/25/1995		2.080E-04 (2.440E-04)	1.090E-02 (1.720E-03)
08/08/1995		3.730E-04 (2.890E-04)	9.240E-03 (1.570E-03)
08/22/1995		< -2.420E-05 (1.860E-04)	8.100E-03 (1.490E-03)
09/06/1995		1.550E-04 (2.080E-04)	1.630E-02 (2.140E-03)

2238 E OF 200 E

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/19/1995		4.610E-04 (2.980E-04)	2.350E-02 (3.010E-03)
10/03/1995		8.320E-04 (3.770E-04)	2.090E-02 (2.640E-03)
10/17/1995		2.740E-04 (2.690E-04)	1.170E-02 (1.770E-03)
11/01/1995		3.470E-04 (2.390E-04)	1.520E-02 (2.130E-03)
11/14/1995		5.940E-04 (3.630E-04)	2.370E-02 (3.030E-03)
11/28/1995		3.200E-04 (2.660E-04)	2.080E-02 (2.710E-03)
12/12/1995		4.510E-04 (2.810E-04)	1.720E-02 (2.300E-03)
12/27/1995		7.190E-04 (3.230E-04)	3.990E-02 (4.200E-03)
MEAN		4.053E-04	1.756E-02
MINIMUM	<	2.420E-05	8.100E-03
MAXIMUM		8.370E-04	5.080E-02
2STD. ERR		4.273E-03	3.818E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2785 E OF 200 E-E OF 200 E (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/04/1995		1.870E-01 (3.100E-02)	8.750E-04 (4.930E-04)	< -1.840E-04 (4.820E-04)	1.690E-04 (4.240E-04)	2.340E-02 (9.010E-03)	nra	nra	nra
06/27/1995		1.720E-01 (2.800E-02)	5.130E-04 (6.560E-04)	1.590E-04 (4.360E-04)	< -2.970E-04 (6.470E-04)	1.260E-03 (1.150E-02)	< -3.350E-07 (8.590E-07)	2.910E-07 (1.000E-06)	2.970E-04 (9.620E-05)
10/03/1995		1.910E-01 (2.970E-02)	7.230E-04 (4.080E-04)	5.110E-04 (4.570E-04)	5.460E-04 (4.350E-04)	2.780E-02 (8.920E-03)	nra	nra	nra
12/27/1995		9.880E-02 (2.290E-02)	< .000E+00 (5.400E-04)	9.460E-05 (5.390E-04)	4.970E-04 (4.360E-04)	3.310E-02 (1.170E-02)	1.680E-07 (1.150E-06)	1.200E-06 (1.490E-06)	2.070E-05 (3.610E-05)
MEAN		1.622E-01	5.278E-04	1.452E-04	2.288E-04	2.139E-02	-8.350E-08	7.455E-07	1.589E-04
MINIMUM		9.880E-02	< .000E+00	< -1.840E-04	< -2.970E-04	1.260E-03	< -3.350E-07	2.910E-07	2.070E-05
MAXIMUM		1.910E-01	8.750E-04	5.110E-04	5.460E-04	3.310E-02	1.680E-07	1.200E-06	2.970E-04
2STD. ERR		4.305E-02	3.819E-04	2.857E-04	3.884E-04	1.399E-02	5.030E-07	9.090E-07	2.763E-04

2785 E OF 200 E-E OF 200 E (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UISO_TOTAL PCI/M3
04/04/1995		nra	nra	nra	nra
06/27/1995		1.730E-05 < -2.190E-07 (6.670E-06) (1.560E-06)	1.170E-05 (5.570E-06)	2.878E-05 (8.829E-06)	
10/03/1995		nra	nra	nra	nra
12/27/1995		1.490E-05 < -5.890E-07 (5.580E-06) (1.490E-06)	1.730E-05 (6.210E-06)	3.161E-05 (8.481E-06)	
MEAN		1.610E-05	-4.040E-07	1.450E-05	3.020E-05
MINIMUM		1.490E-05	< -5.890E-07	1.170E-05	2.878E-05
MAXIMUM		1.730E-05	< -2.190E-07	1.730E-05	3.161E-05
2STD. ERR		2.400E-06	3.700E-07	5.600E-06	2.830E-06

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only

2239 200 ESE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/10/1995		4.480E-04 (3.260E-04)	5.130E-02 (5.330E-03)
01/24/1995		3.350E-04 (2.460E-04)	1.390E-02 (1.950E-03)
02/07/1995		6.800E-04 (2.320E-04)	2.630E-02 (3.230E-03)
02/21/1995		5.240E-04 (3.120E-04)	1.520E-02 (2.120E-03)
03/07/1995		4.980E-04 (2.890E-04)	1.790E-02 (2.360E-03)
03/21/1995		3.300E-04 (2.550E-04)	8.830E-03 (1.570E-03)
04/04/1995		2.020E-04 (2.260E-04)	1.210E-02 (1.890E-03)
04/18/1995		2.780E-04 (2.410E-04)	8.150E-03 (1.450E-03)
05/02/1995		1.630E-04 (1.990E-04)	1.080E-02 (1.690E-03)
05/16/1995		2.460E-04 (2.320E-04)	1.210E-02 (1.840E-03)
05/30/1995		3.290E-04 (2.410E-04)	1.350E-02 (1.950E-03)
06/12/1995		6.340E-04 (3.420E-04)	1.250E-02 (1.980E-03)
06/27/1995		1.410E-04 (2.140E-04)	7.030E-03 (1.350E-03)
07/11/1995		4.560E-04 (2.740E-04)	1.320E-02 (1.900E-03)
07/25/1995		2.280E-04 (2.330E-04)	1.290E-02 (1.880E-03)
08/08/1995		2.220E-04 (2.510E-04)	6.830E-03 (1.380E-03)
08/22/1995		2.950E-04 (2.530E-04)	8.620E-03 (1.490E-03)
09/06/1995		2.620E-04 (2.470E-04)	1.360E-02 (1.890E-03)

2239 200 ESE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/19/1995		2.790E-04 (2.570E-04)	2.430E-02 (2.960E-03)
10/03/1995		8.870E-04 (3.750E-04)	2.430E-02 (2.890E-03)
10/17/1995		4.020E-04 (3.050E-04)	1.220E-02 (1.840E-03)
11/01/1995		4.090E-04 (2.650E-04)	1.640E-02 (2.230E-03)
11/14/1995		1.240E-03 (4.810E-04)	2.610E-02 (3.120E-03)
11/28/1995		2.140E-04 (2.320E-04)	1.630E-02 (2.210E-03)
12/12/1995		4.150E-04 (2.740E-04)	1.890E-02 (2.410E-03)
12/27/1995		1.290E-03 (4.300E-04)	4.170E-02 (4.490E-03)
MEAN		4.387E-04	1.711E-02
MINIMUM		1.410E-04	6.830E-03
MAXIMUM		1.290E-03	5.130E-02
2STD. ERR		4.195E-03	4.063E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2780 200 ESE-200 ESE (FILTER1 , PARTICULATE)

OFF DATE	COM	AM-241 PCI/M3	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3
04/04/1995		nra	1.690E-01 (2.790E-02)	1.970E-04 (2.280E-04)	< -7.540E-05 (4.770E-04)	2.880E-04 (4.150E-04)	1.990E-02 (1.030E-02)	nra	nra
06/27/1995	1	NR	1.510E-01 (2.740E-02)	< -7.300E-04 (6.410E-04)	< -5.900E-04 (4.310E-04)	< -6.450E-04 (5.460E-04)	2.040E-02 (8.750E-03)	< -6.630E-08 (8.070E-07)	7.830E-07 (1.220E-06)
10/03/1995		nra	2.010E-01 (3.170E-02)	2.170E-04 (5.630E-04)	5.990E-04 (4.170E-04)	7.460E-05 (4.720E-04)	1.390E-03 (1.110E-02)	nra	nra
12/27/1995		1.180E-07 (1.080E-06)	1.070E-01 (2.030E-02)	2.380E-04 (4.940E-04)	< -4.850E-04 (5.190E-04)	2.440E-04 (4.590E-04)	3.860E-02 (1.140E-02)	< -2.670E-07 (1.160E-06)	2.730E-07 (1.290E-06)
MEAN		4.001E-04	1.570E-01	-1.950E-05	-1.379E-04	-9.600E-06	2.007E-02	-1.667E-07	5.280E-07
MINIMUM		1.180E-07	1.070E-01	< -7.300E-04	< -5.900E-04	< -6.450E-04	1.390E-03	< -2.670E-07	2.730E-07
MAXIMUM		1.180E-07	2.010E-01	2.380E-04	5.990E-04	2.880E-04	3.860E-02	< -6.630E-08	7.830E-07
2STD. ERR		.000E+00	3.923E-02	4.740E-04	5.391E-04	4.335E-04	1.519E-02	2.007E-07	5.100E-07

2780 200 ESE-200 ESE (FILTER1 , PARTICULATE)

OFF DATE	COM	SR-90 PCI/M3	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
04/04/1995		nra	nra	nra	nra	nra
06/27/1995		2.280E-04 (8.350E-05)	1.120E-05 (5.200E-06)	< -1.630E-07 (1.760E-06)	1.200E-05 (5.390E-06)	2.304E-05 (7.693E-06)
10/03/1995		nra	nra	nra	nra	nra
12/27/1995		3.730E-07 (3.320E-05)	1.280E-05 (5.460E-06)	2.070E-06 (2.420E-06)	1.320E-05 (5.580E-06)	2.807E-05 (8.173E-06)
MEAN		1.142E-04	1.200E-05	9.535E-07	1.260E-05	2.555E-05
MINIMUM		3.730E-07	1.120E-05	< -1.630E-07	1.200E-05	2.304E-05
MAXIMUM		2.280E-04	1.280E-05	2.070E-06	1.320E-05	2.807E-05
2STD. ERR		2.276E-04	1.600E-06	2.233E-06	1.200E-06	5.033E-06

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only
1 AM-241 REFER TO 3/12/96 INCIDENT REPORT, RESULT LOST AT LAB.

2241 S OF 200 E

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/10/1995	1	NR	NR
01/24/1995		1.510E-04 (2.110E-04)	1.260E-02 (2.000E-03)
02/07/1995	2	6.370E-04 (2.460E-04)	2.730E-02 (3.160E-03)
02/21/1995		5.910E-04 (3.130E-04)	1.630E-02 (2.290E-03)
03/07/1995		6.120E-04 (3.290E-04)	2.040E-02 (2.670E-03)
03/21/1995		6.770E-05 (1.630E-04)	8.460E-03 (1.520E-03)
04/04/1995		5.550E-04 (3.000E-04)	1.210E-02 (1.840E-03)
04/18/1995		1.990E-04 (2.250E-04)	8.030E-03 (1.440E-03)
05/02/1995		1.840E-04 (2.010E-04)	1.060E-02 (1.670E-03)
05/16/1995		4.550E-04 (2.840E-04)	1.150E-02 (1.830E-03)
05/30/1995		4.170E-04 (2.760E-04)	1.320E-02 (1.980E-03)
06/12/1995		4.930E-04 (3.090E-04)	1.110E-02 (1.800E-03)
06/27/1995		1.200E-04 (1.850E-04)	6.880E-03 (1.300E-03)
07/11/1995		2.020E-04 (2.140E-04)	1.480E-02 (2.050E-03)
07/25/1995		4.570E-04 (2.850E-04)	1.150E-02 (1.810E-03)
08/08/1995		3.950E-04 (2.690E-04)	4.140E-05 (6.720E-04)
08/22/1995		1.360E-04 (2.280E-04)	8.120E-03 (1.450E-03)
09/06/1995		4.550E-04 (2.800E-04)	1.470E-02 (2.000E-03)

2241 S OF 200 E

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/19/1995		2.620E-04 (2.460E-04)	2.260E-02 (2.800E-03)
10/03/1995		6.790E-04 (3.460E-04)	2.200E-02 (2.810E-03)
10/17/1995	3	5.940E-04 (3.810E-04)	1.610E-02 (2.480E-03)
11/01/1995		5.290E-04 (2.840E-04)	1.630E-02 (2.130E-03)
11/14/1995		1.200E-03 (4.400E-04)	2.720E-02 (3.370E-03)
11/28/1995		4.120E-04 (2.880E-04)	1.790E-02 (2.430E-03)
12/12/1995		7.180E-04 (4.160E-04)	3.380E-02 (4.240E-03)
12/27/1995		1.060E-03 (3.750E-04)	4.510E-02 (4.900E-03)
MEAN		4.632E-04	1.635E-02
MINIMUM		6.770E-05	4.140E-05
MAXIMUM		1.200E-03	4.510E-02
2STD. ERR		2.920E-03	3.802E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 NO SAMPLE. POWER OUTAGE.
 2 PARTICULATE FILTER HEAD DAMP DUE TO RAIN.
 3 LOW EXPOSURE HOURS, POSSIBLE POWER OUTAGE.

2782 S OF 200 E-S OF 200 E (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/04/1995	1	1.780E-01 (2.760E-02)	1.070E-04 (4.180E-04)	< -2.420E-04 (5.400E-04)	7.420E-05 (4.450E-04)	2.300E-02 (1.010E-02)	nra	nra	nra
06/27/1995		1.600E-01 (3.190E-02)	2.580E-04 (6.700E-04)	< -8.340E-05 (3.940E-04)	2.100E-04 (3.750E-04)	2.250E-02 (1.050E-02)	< -1.170E-06 (8.110E-07)	< -5.400E-07 (5.520E-07)	1.060E-04 (6.330E-05)
10/03/1995		2.050E-01 (3.100E-02)	< -3.150E-04 (5.860E-04)	< -1.610E-04 (4.420E-04)	< -1.770E-04 (4.240E-04)	3.330E-02 (9.750E-03)	nra	nra	nra
12/27/1995	2	1.200E-01 (2.640E-02)	< -6.570E-04 (7.370E-04)	3.260E-04 (5.300E-04)	1.270E-04 (4.790E-04)	2.200E-02 (1.430E-02)	< -9.450E-07 (6.500E-07)	< -1.540E-07 (7.080E-07)	< -3.320E-05 (3.160E-05)
MEAN		1.658E-01	-1.518E-04	-4.010E-05	5.855E-05	2.520E-02	-1.058E-06	-3.470E-07	3.640E-05
MINIMUM		1.200E-01	< -6.570E-04	< -2.420E-04	< -1.770E-04	2.200E-02	< -1.170E-06	< -5.400E-07	< -3.320E-05
MAXIMUM		2.050E-01	2.580E-04	3.260E-04	2.100E-04	3.330E-02	< -9.450E-07	< -1.540E-07	1.060E-04
2STD. ERR		3.567E-02	4.150E-04	2.525E-04	1.667E-04	5.415E-03	2.250E-07	3.860E-07	1.392E-04

2782 S OF 200 E-S OF 200 E (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
04/04/1995		nra	nra	nra	nra
06/27/1995		1.260E-05 (5.690E-06)	4.560E-07 (1.910E-06)	1.010E-05 (5.320E-06)	2.316E-05 (8.020E-06)
10/03/1995		nra	nra	nra	nra
12/27/1995		1.330E-05 (6.780E-06)	1.130E-06 (2.850E-06)	1.250E-05 (6.250E-06)	2.693E-05 (9.652E-06)
MEAN		1.295E-05	7.930E-07	1.130E-05	2.504E-05
MINIMUM		1.260E-05	4.560E-07	1.010E-05	2.316E-05
MAXIMUM		1.330E-05	1.130E-06	1.250E-05	2.693E-05
2STD. ERR		7.000E-07	6.740E-07	2.400E-06	3.774E-06

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2241 on 01/10/1995

NO SAMPLE. POWER OUTAGE.

Comment for sample 2241 on 02/07/1995

PARTICULATE FILTER HEAD DAMP DUE TO RAIN.

2 Comment for sample 2241 on 10/17/1995

LOW EXPOSURE HOURS, POSSIBLE POWER OUTAGE.

2244 B POND

2245 B POND *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/10/1995		9.790E-04 (4.150E-04)	3.290E-02 (3.920E-03)
01/24/1995		2.780E-04 (2.310E-04)	1.230E-02 (1.830E-03)
02/07/1995		5.520E-04 (2.180E-04)	1.800E-02 (2.380E-03)
02/21/1995		5.760E-04 (3.280E-04)	1.460E-02 (2.100E-03)
03/07/1995		8.750E-04 (3.790E-04)	1.730E-02 (2.370E-03)
03/21/1995		3.510E-04 (2.540E-04)	8.340E-03 (1.460E-03)
04/04/1995		3.460E-04 (2.410E-04)	1.210E-02 (1.820E-03)
04/18/1995		1.410E-04 (1.950E-04)	6.890E-03 (1.350E-03)
05/02/1995		2.910E-04 (2.280E-04)	1.140E-02 (1.770E-03)
05/16/1995		5.470E-04 (3.050E-04)	1.230E-02 (1.890E-03)
05/30/1995		5.830E-04 (3.060E-04)	1.510E-02 (2.150E-03)
06/12/1995		5.120E-04 (3.080E-04)	1.180E-02 (1.840E-03)
06/27/1995		3.640E-04 (2.520E-04)	6.570E-03 (1.250E-03)
07/11/1995		6.290E-04 (3.260E-04)	1.520E-02 (2.090E-03)
07/25/1995		2.690E-04 (2.600E-04)	1.130E-02 (1.760E-03)
08/08/1995		3.210E-04 (2.660E-04)	6.980E-03 (1.340E-03)
08/22/1995		1.810E-04 (2.440E-04)	9.200E-03 (1.570E-03)
09/06/1995		< -7.480E-06 (1.600E-04)	1.420E-02 (2.030E-03)

2244 B POND

2245 B POND *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/19/1995		1.790E-04 (2.280E-04)	2.240E-02 (2.830E-03)
10/03/1995		4.230E-04 (2.760E-04)	1.870E-02 (2.430E-03)
10/17/1995		2.150E-04 (2.550E-04)	1.080E-02 (1.750E-03)
11/01/1995		4.290E-04 (2.580E-04)	1.540E-02 (2.050E-03)
11/14/1995		4.640E-04 (3.350E-04)	2.550E-02 (3.200E-03)
11/28/1995		1.510E-04 (2.130E-04)	1.720E-02 (2.360E-03)
12/12/1995		5.700E-04 (3.070E-04)	1.700E-02 (2.250E-03)
12/27/1995		1.020E-03 (4.030E-04)	3.690E-02 (4.250E-03)
MEAN		4.323E-04	1.540E-02
MINIMUM		< -7.480E-06	6.570E-03
MAXIMUM		1.020E-03	3.690E-02
2STD. ERR		3.045E-03	2.888E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2242 B POND-B POND, B POND (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/04/1995		1.800E-01 (2.590E-02)	1.220E-04 (2.540E-04)	< -2.130E-04 (3.230E-04)	1.400E-04 (2.500E-04)	7.710E-03 (6.710E-03)	nra	nra	nra
06/27/1995		1.780E-01 (2.560E-02)	< -5.530E-04 (4.250E-04)	1.060E-05 (3.040E-04)	2.510E-05 (2.970E-04)	8.660E-03 (8.580E-03)	< -1.030E-07 (4.130E-07)	4.080E-07 (6.990E-07)	9.060E-05 (3.860E-05)
10/03/1995		2.090E-01 (2.770E-02)	6.240E-06 (2.100E-04)	< -3.840E-04 (3.190E-04)	< -4.740E-05 (2.240E-04)	1.630E-02 (5.570E-03)	nra	nra	nra
12/27/1995		1.020E-01 (1.700E-02)	< -3.670E-04 (3.220E-04)	2.140E-04 (1.870E-04)	1.740E-04 (2.250E-04)	1.530E-02 (5.950E-03)	< -1.970E-07 (2.090E-07)	1.120E-06 (8.940E-07)	< -2.430E-06 (1.800E-05)
MEAN		1.673E-01	-1.979E-04	-9.310E-05	7.293E-05	1.199E-02	-1.500E-07	7.640E-07	4.409E-05
MINIMUM		1.020E-01	< -5.530E-04	< -3.840E-04	< -4.740E-05	7.710E-03	< -1.970E-07	4.080E-07	< -2.430E-06
MAXIMUM		2.090E-01	1.220E-04	2.140E-04	1.740E-04	1.630E-02	< -1.030E-07	1.120E-06	9.060E-05
2STD. ERR		4.575E-02	3.155E-04	2.608E-04	1.024E-04	4.432E-03	9.400E-08	7.120E-07	9.303E-05

2242 B POND-B POND, B POND (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO TOTAL PCI/M3
04/04/1995		nra	nra	nra	nra
06/27/1995		1.420E-05 (3.870E-06)	2.340E-07 (1.030E-06)	1.020E-05 (3.290E-06)	2.463E-05 (5.183E-06)
10/03/1995		nra	nra	nra	nra
12/27/1995		1.580E-05 (4.200E-06)	< -1.310E-07 (9.950E-07)	1.270E-05 (3.850E-06)	2.837E-05 (5.784E-06)
MEAN		1.500E-05	5.150E-08	1.145E-05	2.650E-05
MINIMUM		1.420E-05	< -1.310E-07	1.020E-05	2.463E-05
MAXIMUM		1.580E-05	2.340E-07	1.270E-05	2.837E-05
2STD. ERR		1.600E-06	3.650E-07	2.500E-06	3.735E-06

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only

2248 ARMY LOOP CAMP 2249 200 TEL. EXCHANGE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3	OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/10/1995		4.770E-04 (3.090E-04)	4.410E-02 (4.820E-03)	01/10/1995		1.830E-03 (5.700E-04)	3.940E-02 (4.520E-03)
01/24/1995		2.560E-04 (2.280E-04)	1.340E-02 (1.960E-03)	01/24/1995		1.700E-04 (2.030E-04)	1.190E-02 (1.860E-03)
02/07/1995		8.440E-04 (2.810E-04)	2.540E-02 (3.140E-03)	02/07/1995		7.960E-04 (2.590E-04)	2.350E-02 (2.830E-03)
02/21/1995		2.020E-04 (2.250E-04)	1.620E-02 (2.170E-03)	02/21/1995		9.640E-05 (2.130E-04)	1.470E-02 (2.040E-03)
03/07/1995		6.070E-04 (3.200E-04)	1.970E-02 (2.480E-03)	03/07/1995		8.830E-04 (3.760E-04)	1.870E-02 (2.400E-03)
03/21/1995		3.690E-04 (2.550E-04)	9.190E-03 (1.590E-03)	03/21/1995		5.040E-04 (3.030E-04)	8.470E-03 (1.480E-03)
04/04/1995		5.040E-04 (2.940E-04)	1.220E-02 (1.890E-03)	04/04/1995		1.480E-04 (2.150E-04)	1.210E-02 (1.810E-03)
04/18/1995		2.100E-04 (2.200E-04)	7.890E-03 (1.470E-03)	04/18/1995		3.740E-04 (2.600E-04)	7.210E-03 (1.360E-03)
05/02/1995		3.220E-04 (2.470E-04)	9.680E-03 (1.580E-03)	05/02/1995		1.330E-05 (1.630E-04)	1.210E-02 (1.810E-03)
05/16/1995		3.140E-04 (2.660E-04)	1.210E-02 (1.810E-03)	05/16/1995		5.150E-04 (2.980E-04)	1.260E-02 (1.860E-03)
05/30/1995		3.840E-04 (2.630E-04)	1.370E-02 (1.940E-03)	05/30/1995		5.440E-04 (2.950E-04)	1.390E-02 (1.970E-03)
06/12/1995		5.090E-04 (2.960E-04)	1.250E-02 (1.960E-03)	06/12/1995		8.880E-05 (1.900E-04)	1.040E-02 (1.710E-03)
06/27/1995		9.160E-05 (1.750E-04)	7.650E-03 (1.390E-03)	06/27/1995		2.260E-04 (2.030E-04)	7.090E-03 (1.300E-03)
07/11/1995		6.450E-04 (3.200E-04)	1.370E-02 (1.950E-03)	07/11/1995		3.460E-04 (2.510E-04)	1.280E-02 (1.950E-03)
07/25/1995		2.010E-04 (2.140E-04)	1.300E-02 (1.900E-03)	07/25/1995		3.150E-04 (2.580E-04)	1.130E-02 (1.870E-03)
08/08/1995		1.550E-04 (2.030E-04)	8.690E-03 (1.530E-03)	08/08/1995		1.020E-04 (2.290E-04)	7.750E-03 (1.410E-03)
08/22/1995		2.180E-04 (2.580E-04)	8.690E-03 (1.560E-03)	08/22/1995		2.100E-04 (2.190E-04)	9.680E-03 (1.590E-03)
09/06/1995		3.260E-04 (2.630E-04)	1.470E-02 (2.020E-03)	09/06/1995		3.500E-04 (2.510E-04)	1.500E-02 (2.100E-03)

2248 ARMY LOOP CAMP				2249 200 TEL. EXCHANGE			
OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3	OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/19/1995		4.010E-04 (2.980E-04)	2.300E-02 (2.970E-03)	09/19/1995		2.520E-04 (2.540E-04)	2.410E-02 (2.930E-03)
10/03/1995		7.260E-04 (3.500E-04)	1.990E-02 (2.530E-03)	10/03/1995		4.900E-04 (3.030E-04)	1.990E-02 (2.660E-03)
10/17/1995		9.800E-05 (2.270E-04)	1.110E-02 (1.720E-03)	10/17/1995		2.570E-04 (2.510E-04)	1.200E-02 (1.810E-03)
11/01/1995		3.060E-04 (2.530E-04)	1.630E-02 (2.130E-03)	11/01/1995		3.730E-04 (2.570E-04)	1.540E-02 (2.090E-03)
11/14/1995		8.250E-04 (3.800E-04)	2.250E-02 (2.930E-03)	11/14/1995		8.410E-04 (3.780E-04)	2.650E-02 (3.140E-03)
11/28/1995		2.450E-05 (1.700E-04)	1.720E-02 (2.270E-03)	11/28/1995	1	NR	NR
12/12/1995		2.300E-04 (2.320E-04)	1.800E-02 (2.340E-03)	12/12/1995		2.860E-04 (2.570E-04)	1.720E-02 (2.370E-03)
12/27/1995		8.820E-04 (3.640E-04)	3.880E-02 (4.120E-03)	12/27/1995		9.460E-04 (3.840E-04)	3.730E-02 (3.990E-03)
MEAN		3.895E-04	1.651E-02	MEAN		4.383E-04	1.604E-02
MINIMUM		2.450E-05	7.650E-03	MINIMUM		1.330E-05	7.090E-03
MAXIMUM		8.820E-04	4.410E-02	MAXIMUM		1.830E-03	3.940E-02
2STD. ERR		3.479E-03	3.251E-03	2STD. ERR		3.531E-03	3.391E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 NO SAMPLE. BAD PUMP, SAVE FOR COMPOSITE.

2246 200 W SOUTH EAST-ARMY LOOP CAMP, 200 TEL. EXCHANGE (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/04/1995		1.500E-01 (2.250E-02)	2.440E-04 (3.590E-04)	< -2.550E-04 (3.330E-04)	< -3.330E-04 (3.480E-04)	7.550E-03 (6.070E-03)	nra	nra	nra
06/27/1995		1.930E-01 (2.640E-02)	< -1.340E-04 (3.720E-04)	< -1.260E-04 (3.260E-04)	2.610E-04 (3.100E-04)	9.610E-03 (8.130E-03)	nra	nra	nra
10/03/1995		2.090E-01 (2.740E-02)	1.440E-04 (4.090E-04)	< -2.820E-06 (2.250E-04)	< -4.910E-05 (2.680E-04)	1.640E-02 (6.300E-03)	nra	nra	nra
12/27/1995	1	8.830E-02 (1.750E-02)	2.280E-05 (2.840E-04)	< -5.080E-05 (3.300E-04)	3.060E-04 (3.190E-04)	1.910E-02 (6.460E-03)	< -1.790E-07 (1.680E-07)	3.090E-06 (1.210E-06)	< -7.660E-06 (1.180E-05)
MEAN		1.601E-01	6.920E-05	-1.087E-04	4.623E-05	1.317E-02	-1.790E-07	3.090E-06	-7.660E-06
MINIMUM		8.830E-02	< -1.340E-04	< -2.550E-04	< -3.330E-04	7.550E-03	< -1.790E-07	3.090E-06	< -7.660E-06
MAXIMUM		2.090E-01	2.440E-04	< -2.820E-06	3.060E-04	1.910E-02	< -1.790E-07	3.090E-06	< -7.660E-06
2STD. ERR		5.395E-02	1.629E-04	1.099E-04	2.981E-04	5.473E-03	.000E+00	.000E+00	.000E+00

2246 200 W SOUTH EAST-ARMY LOOP CAMP, 200 TEL. EXCHANGE (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
04/04/1995		nra	nra	nra	nra
06/27/1995		nra	nra	nra	nra
10/03/1995		nra	nra	nra	nra
12/27/1995		1.770E-05 (3.770E-06)	5.530E-08 (5.720E-07)	1.560E-05 (3.530E-06)	3.336E-05 (5.196E-06)
MEAN		1.770E-05	5.530E-08	1.560E-05	3.336E-05
MINIMUM		1.770E-05	5.530E-08	1.560E-05	3.336E-05
MAXIMUM		1.770E-05	5.530E-08	1.560E-05	3.336E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 Comment for sample 2249 on 11/28/1995
 NO SAMPLE. BAD PUMP, SAVE FOR COMPOSITE.

2253 200 W SE *

2252 200 W SE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/10/1995		2.140E-03 (6.080E-04)	6.060E-02 (6.160E-03)
01/24/1995		3.520E-04 (2.450E-04)	1.190E-02 (1.790E-03)
02/07/1995		5.170E-04 (2.160E-04)	2.370E-02 (2.900E-03)
02/21/1995		4.030E-04 (2.680E-04)	1.300E-02 (1.970E-03)
03/07/1995		4.410E-04 (2.860E-04)	1.840E-02 (2.480E-03)
03/21/1995		1.230E-04 (1.960E-04)	6.850E-03 (1.340E-03)
04/04/1995		5.190E-04 (2.910E-04)	1.080E-02 (1.710E-03)
04/18/1995		2.180E-04 (2.360E-04)	7.270E-03 (1.370E-03)
05/02/1995		1.070E-04 (1.970E-04)	9.480E-03 (1.630E-03)
05/16/1995		4.870E-04 (2.920E-04)	1.260E-02 (1.940E-03)
05/30/1995		4.470E-04 (2.890E-04)	1.180E-02 (1.850E-03)
06/12/1995	1	5.850E-04 (3.320E-04)	1.130E-02 (1.820E-03)
06/27/1995		5.570E-04 (2.970E-04)	8.960E-03 (1.490E-03)
07/11/1995		8.690E-04 (3.770E-04)	1.440E-02 (2.040E-03)
07/25/1995	2	2.500E-04 (2.350E-04)	1.070E-02 (1.750E-03)
08/08/1995		3.800E-04 (2.790E-04)	1.100E-02 (1.720E-03)
08/22/1995		6.950E-04 (3.590E-04)	8.330E-03 (1.470E-03)
09/06/1995		4.420E-04 (2.730E-04)	1.640E-02 (2.150E-03)

2253 200 W SE *

2252 200 W SE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/19/1995		8.830E-04 (3.810E-04)	2.340E-02 (2.870E-03)
10/03/1995		7.260E-04 (3.650E-04)	2.050E-02 (2.700E-03)
10/17/1995		3.160E-04 (2.640E-04)	1.130E-02 (1.820E-03)
11/01/1995		3.830E-04 (2.490E-04)	1.390E-02 (1.910E-03)
11/14/1995		1.330E-03 (4.620E-04)	2.570E-02 (3.080E-03)
11/28/1995		3.940E-04 (2.680E-04)	2.100E-02 (2.600E-03)
12/12/1995		3.880E-04 (2.660E-04)	1.830E-02 (2.460E-03)
12/27/1995		6.290E-04 (3.190E-04)	3.850E-02 (4.350E-03)
MEAN		5.608E-04	1.693E-02
MINIMUM		1.070E-04	6.850E-03
MAXIMUM		2.140E-03	6.060E-02
2STD. ERR		4.722E-03	4.462E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 NEW DIRT ROAD OPENED NEXT TO SAMPLE STATION.

2 CONSTRUCTION IN AREA.

2250 200 WEST-200 W SE, 200 W SE (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/04/1995		1.770E-01 (2.490E-02)	1.510E-04 (1.520E-04)	1.590E-04 (2.790E-04)	8.810E-05 (2.720E-04)	3.250E-03 (6.670E-03)	nra	nra	nra
06/27/1995	1	1.620E-01 (2.430E-02)	2.430E-04 (4.140E-04)	3.030E-04 (3.120E-04)	7.060E-05 (3.230E-04)	5.680E-04 (8.050E-03)	nra	nra	nra
10/03/1995	2	1.870E-01 (2.550E-02)	8.120E-05 (2.350E-04)	2.140E-04 (2.850E-04)	< -1.390E-04 (3.110E-04)	1.050E-02 (6.890E-03)	nra	nra	nra
12/27/1995		1.050E-01 (1.720E-02)	< -1.760E-04 (2.470E-04)	< -1.020E-04 (2.500E-04)	9.370E-05 (2.360E-04)	1.170E-02 (5.630E-03)	< -1.390E-08 (2.100E-07)	3.140E-06 (1.120E-06)	7.780E-06 (1.080E-05)
MEAN		1.578E-01	7.480E-05	1.435E-04	2.835E-05	6.505E-03	-1.390E-08	3.140E-06	7.780E-06
MINIMUM		1.050E-01	< -1.760E-04	< -1.020E-04	< -1.390E-04	5.680E-04	< -1.390E-08	3.140E-06	7.780E-06
MAXIMUM		1.870E-01	2.430E-04	3.030E-04	9.370E-05	1.170E-02	< -1.390E-08	3.140E-06	7.780E-06
2STD. ERR		3.664E-02	1.799E-04	1.741E-04	1.120E-04	5.440E-03	.000E+00	.000E+00	.000E+00

2250 200 WEST-200 W SE, 200 W SE (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
04/04/1995		nra	nra	nra	nra
06/27/1995		nra	nra	nra	nra
10/03/1995		nra	nra	nra	nra
12/27/1995		2.230E-05 (3.880E-06)	1.450E-06 (8.510E-07)	2.130E-05 (3.780E-06)	4.505E-05 (5.483E-06)
MEAN		2.230E-05	1.450E-06	2.130E-05	4.505E-05
MINIMUM		2.230E-05	1.450E-06	2.130E-05	4.505E-05
MAXIMUM		2.230E-05	1.450E-06	2.130E-05	4.505E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2252 on 06/12/1995

NEW DIRT ROAD OPENED NEXT TO SAMPLE STATION.

2 Comment for sample 2252 on 07/25/1995

CONSTRUCTION IN AREA.

Comment for sample 2253 on 06/12/1995

NEW DIRT ROAD OPENED NEXT TO SAMPLE STATION.

Comment for sample 2253 on 07/25/1995

CONSTRUCTION IN AREA.

2256 300 WATER INTAKE

OFF DATE	COM	BETA PCI/M3
01/11/1995		5.340E-02 (5.410E-03)
01/25/1995		1.740E-02 (2.280E-03)
02/08/1995		2.670E-02 (3.110E-03)
02/22/1995		1.650E-02 (2.200E-03)
03/08/1995		2.020E-02 (2.640E-03)
03/22/1995		8.450E-03 (1.510E-03)
04/05/1995		1.420E-02 (2.090E-03)
04/19/1995		7.980E-03 (1.430E-03)
05/03/1995		1.220E-02 (1.880E-03)
05/17/1995		1.090E-02 (1.700E-03)
05/31/1995		1.600E-02 (2.260E-03)
06/13/1995		1.140E-02 (1.800E-03)
06/28/1995		8.430E-03 (1.450E-03)
07/11/1995		1.480E-02 (2.100E-03)
07/27/1995		1.260E-02 (1.760E-03)
08/10/1995		9.950E-03 (1.610E-03)
08/23/1995		1.060E-02 (1.800E-03)
09/07/1995		1.780E-02 (2.270E-03)

2257 300 SOUTH GATE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/11/1995		1.240E-03 (4.130E-04)	4.870E-02 (5.010E-03)
01/25/1995		3.960E-04 (2.600E-04)	1.480E-02 (2.140E-03)
02/08/1995		8.760E-04 (2.710E-04)	2.740E-02 (3.170E-03)
02/22/1995		4.950E-04 (2.910E-04)	1.570E-02 (2.130E-03)
03/08/1995		6.380E-04 (3.330E-04)	2.240E-02 (2.730E-03)
03/22/1995		1.730E-04 (2.060E-04)	9.010E-03 (1.530E-03)
04/05/1995		4.510E-04 (2.950E-04)	1.420E-02 (2.080E-03)
04/19/1995		3.660E-04 (2.630E-04)	7.250E-03 (1.410E-03)
05/03/1995		6.980E-04 (3.480E-04)	1.160E-02 (1.760E-03)
05/17/1995		4.800E-04 (3.100E-04)	1.340E-02 (1.930E-03)
05/31/1995		2.720E-04 (2.480E-04)	1.560E-02 (2.160E-03)
06/13/1995	1	6.590E-04 (4.280E-04)	1.120E-02 (2.170E-03)
06/28/1995		4.740E-04 (2.830E-04)	1.310E-02 (1.850E-03)
07/11/1995		4.960E-04 (2.980E-04)	1.600E-02 (2.310E-03)
07/27/1995		3.520E-04 (2.420E-04)	1.140E-02 (1.650E-03)
08/10/1995		6.500E-04 (3.220E-04)	9.420E-03 (1.570E-03)
08/23/1995		1.940E-04 (2.620E-04)	6.750E-03 (1.400E-03)
09/07/1995		3.760E-04 (2.760E-04)	1.820E-02 (2.420E-03)

2256 300 WATER INTAKE

OFF DATE	COM	BETA PCI/M3
09/20/1995		2.620E-02 (3.110E-03)
10/04/1995		1.920E-02 (2.560E-03)
10/18/1995		1.360E-02 (2.030E-03)
11/02/1995		1.970E-02 (2.440E-03)
11/15/1995		2.330E-02 (2.870E-03)
11/29/1995		1.820E-02 (2.460E-03)
12/12/1995		1.990E-02 (2.560E-03)
12/29/1995		5.300E-02 (5.620E-03)
MEAN		1.856E-02
MINIMUM		7.980E-03
MAXIMUM		5.340E-02
2STD. ERR		4.300E-03

2257 300 SOUTH GATE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/20/1995		5.260E-04 (3.030E-04)	2.250E-02 (2.740E-03)
10/04/1995		8.080E-04 (3.740E-04)	1.900E-02 (2.530E-03)
10/18/1995		4.980E-04 (3.070E-04)	1.320E-02 (1.970E-03)
11/02/1995		5.420E-04 (2.970E-04)	1.920E-02 (2.510E-03)
11/15/1995		8.650E-04 (4.090E-04)	2.150E-02 (2.760E-03)
11/29/1995		1.810E-04 (2.220E-04)	1.670E-02 (2.310E-03)
12/12/1995		2.400E-04 (2.570E-04)	2.030E-02 (2.720E-03)
12/29/1995		8.870E-04 (3.390E-04)	4.830E-02 (5.190E-03)
MEAN		5.320E-04	1.795E-02
MINIMUM		1.730E-04	6.750E-03
MAXIMUM		1.240E-03	4.870E-02
2STD. ERR		4.213E-03	4.035E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 LOW EXPOSURE HOURS.

2254 300 AREA-300 WATER INTAKE, 300 SOUTH GATE (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/05/1995		2.010E-01 (2.880E-02)	< -1.890E-04 (3.630E-04)	< -1.840E-04 (2.910E-04)	< -1.990E-04 (2.590E-04)	1.100E-02 (5.420E-03)	nra	nra	nra
06/28/1995	1	2.080E-01 (2.710E-02)	< -1.860E-04 (4.410E-04)	4.440E-04 (2.690E-04)	2.270E-04 (3.140E-04)	1.760E-02 (6.230E-03)	nra	nra	nra
10/04/1995		2.110E-01 (2.860E-02)	2.360E-04 (1.940E-04)	< -1.720E-04 (2.640E-04)	1.010E-04 (2.550E-04)	1.370E-02 (5.710E-03)	nra	nra	nra
12/29/1995		1.040E-01 (1.720E-02)	< -1.010E-04 (2.690E-04)	< -7.200E-05 (3.050E-04)	3.180E-04 (2.560E-04)	1.950E-03 (6.280E-03)	1.810E-07 (3.330E-07)	1.020E-06 (5.920E-07)	< -9.810E-07 (9.050E-06)
MEAN		1.810E-01	-6.000E-05	4.000E-06	1.118E-04	1.106E-02	1.810E-07	1.020E-06	-9.810E-07
MINIMUM		1.040E-01	< -1.890E-04	< -1.840E-04	< -1.990E-04	1.950E-03	1.810E-07	1.020E-06	< -9.810E-07
MAXIMUM		2.110E-01	2.360E-04	4.440E-04	3.180E-04	1.760E-02	1.810E-07	1.020E-06	< -9.810E-07
2STD. ERR		5.150E-02	2.015E-04	2.976E-04	2.255E-04	6.652E-03	.000E+00	.000E+00	.000E+00

2254 300 AREA-300 WATER INTAKE,300 SOUTH GATE (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
04/05/1995		nra	nra	nra	nra
06/28/1995		nra	nra	nra	nra
10/04/1995		nra	nra	nra	nra
12/29/1995		1.120E-05 (2.320E-06)	7.380E-07 (6.040E-07)	1.380E-05 (2.640E-06)	2.574E-05 (3.566E-06)
MEAN		1.120E-05	7.380E-07	1.380E-05	2.574E-05
MINIMUM		1.120E-05	7.380E-07	1.380E-05	2.574E-05
MAXIMUM		1.120E-05	7.380E-07	1.380E-05	2.574E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 Comment for sample 2257 on 06/13/1995
 LOW EXPOSURE HOURS.

2260 300 TRENCH

2261 300 NE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3	OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/11/1995		1.150E-03 (4.180E-04)	4.970E-02 (5.410E-03)	01/11/1995		1.660E-03 (4.870E-04)	5.400E-02 (5.800E-03)
01/25/1995		5.230E-04 (2.840E-04)	1.550E-02 (2.110E-03)	01/25/1995		5.120E-04 (3.090E-04)	1.650E-02 (2.200E-03)
02/08/1995		7.240E-04 (2.490E-04)	2.570E-02 (3.080E-03)	02/08/1995		8.860E-04 (2.640E-04)	2.720E-02 (3.150E-03)
02/22/1995		5.880E-04 (3.170E-04)	1.390E-02 (2.050E-03)	02/22/1995		4.430E-05 (1.590E-04)	1.600E-02 (2.250E-03)
03/08/1995		5.830E-04 (3.240E-04)	2.050E-02 (2.600E-03)	03/08/1995		5.860E-04 (3.080E-04)	2.350E-02 (2.820E-03)
03/22/1995		3.810E-05 (1.510E-04)	8.830E-03 (1.550E-03)	03/22/1995		3.310E-04 (2.550E-04)	8.970E-03 (1.520E-03)
04/05/1995	1	7.430E-04 (4.820E-04)	1.330E-02 (2.430E-03)	04/05/1995	2	2.850E-04 (3.460E-04)	1.090E-02 (2.250E-03)
04/19/1995		1.840E-04 (2.200E-04)	8.180E-03 (1.510E-03)	04/19/1995		1.440E-04 (2.050E-04)	7.310E-03 (1.430E-03)
05/03/1995		3.280E-04 (2.540E-04)	1.090E-02 (1.720E-03)	05/03/1995		4.860E-04 (2.820E-04)	1.120E-02 (1.720E-03)
05/17/1995		4.840E-04 (2.910E-04)	1.150E-02 (1.830E-03)	05/17/1995		5.460E-04 (3.070E-04)	1.250E-02 (1.910E-03)
05/31/1995		7.520E-04 (3.460E-04)	1.660E-02 (2.290E-03)	05/31/1995		4.980E-04 (2.890E-04)	1.590E-02 (2.150E-03)
06/13/1995		4.120E-04 (2.830E-04)	1.010E-02 (1.680E-03)	06/13/1995		1.830E-04 (2.190E-04)	1.130E-02 (1.790E-03)
06/28/1995		4.400E-04 (2.560E-04)	7.880E-03 (1.380E-03)	06/28/1995		2.400E-04 (2.330E-04)	8.750E-03 (1.510E-03)
07/11/1995		6.850E-04 (3.400E-04)	1.450E-02 (2.070E-03)	07/11/1995		6.880E-04 (3.430E-04)	1.440E-02 (2.070E-03)
07/27/1995		2.140E-04 (2.290E-04)	1.170E-02 (1.690E-03)	07/27/1995		4.890E-04 (2.810E-04)	1.250E-02 (1.840E-03)
08/10/1995		2.590E-04 (2.390E-04)	1.060E-02 (1.740E-03)	08/10/1995		4.230E-04 (2.850E-04)	9.110E-03 (1.580E-03)
08/23/1995		9.190E-05 (2.610E-04)	9.020E-03 (1.710E-03)	08/23/1995		4.410E-04 (3.340E-04)	7.690E-03 (1.590E-03)
09/07/1995		6.600E-04 (3.260E-04)	1.770E-02 (2.260E-03)	09/07/1995		2.390E-04 (2.220E-04)	1.420E-02 (1.960E-03)

2260 300 TRENCH

2261 300 NE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3	OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/20/1995		3.330E-04 (2.670E-04)	2.410E-02 (3.080E-03)	09/20/1995		3.710E-04 (2.980E-04)	2.390E-02 (3.100E-03)
10/04/1995		3.740E-04 (2.800E-04)	1.840E-02 (2.380E-03)	10/04/1995		2.320E-04 (2.220E-04)	1.940E-02 (2.510E-03)
10/18/1995		9.440E-06 (2.020E-04)	1.360E-02 (1.950E-03)	10/18/1995		1.860E-04 (2.480E-04)	1.250E-02 (1.870E-03)
11/02/1995		5.990E-04 (3.040E-04)	1.920E-02 (2.390E-03)	11/02/1995		3.080E-04 (2.540E-04)	1.920E-02 (2.390E-03)
11/15/1995		8.220E-04 (4.030E-04)	2.160E-02 (2.830E-03)	11/15/1995		6.650E-04 (3.560E-04)	2.390E-02 (2.930E-03)
11/29/1995		3.220E-04 (2.670E-04)	1.710E-02 (2.260E-03)	11/29/1995		3.050E-04 (2.570E-04)	1.760E-02 (2.340E-03)
12/12/1995	3	1.680E-04 (3.490E-04)	7.000E-03 (2.010E-03)	12/12/1995		5.080E-04 (3.130E-04)	1.600E-02 (2.200E-03)
12/29/1995	4	NR	NR	12/29/1995		9.620E-04 (3.480E-04)	4.980E-02 (5.010E-03)
MEAN		4.595E-04	1.588E-02	MEAN		4.699E-04	1.786E-02
MINIMUM		9.440E-06	7.000E-03	MINIMUM		4.430E-05	7.310E-03
MAXIMUM		1.150E-03	4.970E-02	MAXIMUM		1.660E-03	5.400E-02
2STD. ERR		4.617E-03	3.849E-03	2STD. ERR		4.508E-03	4.462E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 POWER OUT AT SAMPLING STATION.

2 POWER OUT AT SAMPLING STATION.

3 POWER OUTAGE.

4 NO SAMPLE. POWER OUTAGE.

2258 300 NE-300 TRENCH, 300 NE (FILTER1 , PARTICULATE)											
OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3		
04/05/1995	1	1.550E-01 (2.220E-02)	< -1.600E-04 (2.250E-04)	2.540E-05 (2.460E-04)	< -1.080E-04 (2.660E-04)	1.480E-02 (6.030E-03)	nra	nra	nra		
06/28/1995		1.680E-01 (2.320E-02)	< -2.930E-05 (3.370E-04)	< -3.680E-05 (2.920E-04)	< -5.570E-05 (3.990E-04)	6.530E-03 (7.170E-03)	nra	nra	nra		
10/04/1995		2.090E-01 (2.810E-02)	2.190E-04 (2.670E-04)	< -1.800E-04 (2.490E-04)	1.890E-04 (2.660E-04)	1.800E-02 (6.560E-03)	nra	nra	nra		
12/29/1995	2	9.450E-02 (1.570E-02)	< -9.280E-05 (4.240E-04)	2.210E-04 (2.060E-04)	< -5.620E-05 (1.710E-04)	1.060E-03 (7.710E-03)	< -3.060E-07 (2.000E-07)	3.760E-07 (4.310E-07)	< -6.020E-06 (9.820E-06)		
MEAN		1.566E-01	-1.578E-05	7.400E-06	-7.725E-06	1.010E-02	-3.060E-07	3.760E-07	-6.020E-06		
MINIMUM		9.450E-02	< -1.600E-04	< -1.800E-04	< -1.080E-04	1.060E-03	< -3.060E-07	3.760E-07	< -6.020E-06		
MAXIMUM		2.090E-01	2.190E-04	2.210E-04	1.890E-04	1.800E-02	< -3.060E-07	3.760E-07	< -6.020E-06		
2STD. ERR		4.738E-02	1.654E-04	1.664E-04	1.334E-04	7.724E-03	.000E+00	.000E+00	.000E+00		

2258 300 NE-300 TRENCH, 300 NE (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
04/05/1995	nra	nra	nra	nra	nra
06/28/1995	nra	nra	nra	nra	nra
10/04/1995	nra	nra	nra	nra	nra
12/29/1995		2.370E-05 (4.210E-06)	1.440E-06 (9.080E-07)	2.480E-05 (4.330E-06)	4.994E-05 (6.107E-06)
MEAN		2.370E-05	1.440E-06	2.480E-05	4.994E-05
MINIMUM		2.370E-05	1.440E-06	2.480E-05	4.994E-05
MAXIMUM		2.370E-05	1.440E-06	2.480E-05	4.994E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 Comment for sample 2260 on 04/05/1995
 POWER OUT AT SAMPLING STATION.
 Comment for sample 2261 on 04/05/1995
 POWER OUT AT SAMPLING STATION.
 2 Comment for sample 2260 on 12/12/1995
 POWER OUTAGE.
 Comment for sample 2260 on 12/29/1995
 NO SAMPLE. POWER OUTAGE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/09/1995 TO 01/04/1996
AIR - PARTICULATE FILTER

Page 39

2264 400 E

2265 400 W

2266 400 S

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3	OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3	OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/11/1995		(1.300E-03)	(4.660E-02)	01/11/1995		(7.480E-04)	(5.330E-02)	01/11/1995		(8.510E-04)	(5.190E-02)
		(4.310E-04)	(4.940E-03)			(3.440E-04)	(5.750E-03)			(3.580E-04)	(5.410E-03)
01/25/1995		(5.030E-04)	(1.580E-02)	01/25/1995		(3.260E-04)	(1.580E-02)	01/25/1995		(5.020E-04)	(1.730E-02)
		(2.920E-04)	(2.250E-03)			(2.610E-04)	(2.140E-03)			(2.830E-04)	(2.340E-03)
02/08/1995		(5.610E-04)	(2.100E-02)	02/08/1995		(6.440E-04)	(2.640E-02)	02/08/1995	1	NR	NR
		(2.270E-04)	(2.600E-03)			(2.460E-04)	(3.230E-03)				
02/22/1995		(4.950E-04)	(1.690E-02)	02/22/1995		(4.190E-04)	(1.480E-02)	02/22/1995		(8.140E-04)	(1.440E-02)
		(2.910E-04)	(2.270E-03)			(2.920E-04)	(2.140E-03)			(3.740E-04)	(2.040E-03)
03/08/1995		(2.920E-04)	(2.130E-02)	03/08/1995		(6.770E-04)	(2.200E-02)	03/08/1995		(7.920E-04)	(2.150E-02)
		(2.500E-04)	(2.740E-03)			(3.350E-04)	(2.740E-03)			(3.570E-04)	(2.770E-03)
03/22/1995		(1.740E-04)	(7.680E-03)	03/22/1995		(2.780E-04)	(7.450E-03)	03/22/1995		(3.200E-04)	(6.430E-03)
		(2.070E-04)	(1.410E-03)			(2.420E-04)	(1.330E-03)			(2.580E-04)	(1.340E-03)
04/05/1995		(2.270E-04)	(1.250E-02)	04/05/1995		(1.990E-04)	(1.350E-02)	04/05/1995		(1.600E-04)	(1.290E-02)
		(2.200E-04)	(1.840E-03)			(2.000E-04)	(1.940E-03)			(1.960E-04)	(1.880E-03)
04/19/1995		(3.980E-05)	(7.370E-03)	04/19/1995		(1.070E-04)	(6.880E-03)	04/19/1995		(2.730E-04)	(6.820E-03)
		(1.700E-04)	(1.420E-03)			(1.970E-04)	(1.330E-03)			(2.390E-04)	(1.360E-03)
05/03/1995		(8.710E-04)	(9.940E-03)	05/03/1995		(5.080E-04)	(1.200E-02)	05/03/1995		(2.290E-04)	(1.080E-02)
		(3.620E-04)	(1.670E-03)			(2.980E-04)	(1.820E-03)			(2.200E-04)	(1.760E-03)
05/17/1995		(4.800E-04)	(1.120E-02)	05/17/1995		(6.530E-04)	(1.200E-02)	05/17/1995		(5.020E-04)	(1.110E-02)
		(3.100E-04)	(1.760E-03)			(3.170E-04)	(1.880E-03)			(2.810E-04)	(1.750E-03)
05/31/1995		(4.790E-04)	(1.670E-02)	05/31/1995		(8.420E-04)	(1.700E-02)	05/31/1995		(3.280E-04)	(1.690E-02)
		(2.920E-04)	(2.310E-03)			(3.570E-04)	(2.240E-03)			(2.540E-04)	(2.230E-03)
06/13/1995		(2.980E-04)	(1.070E-02)	06/13/1995		(3.260E-04)	(1.130E-02)	06/13/1995		(2.510E-04)	(1.100E-02)
		(2.590E-04)	(1.780E-03)			(2.660E-04)	(1.790E-03)			(2.270E-04)	(1.820E-03)
06/28/1995		(2.130E-04)	(9.110E-03)	06/28/1995		(3.570E-04)	(9.000E-03)	06/28/1995		(1.470E-04)	(7.810E-03)
		(2.260E-04)	(1.490E-03)			(2.350E-04)	(1.480E-03)			(1.930E-04)	(1.370E-03)
07/11/1995		(6.970E-04)	(1.450E-02)	07/11/1995		(5.570E-04)	(1.480E-02)	07/11/1995		(7.310E-04)	(1.360E-02)
		(3.450E-04)	(2.080E-03)			(3.130E-04)	(2.200E-03)			(3.540E-04)	(2.030E-03)
07/27/1995		(4.280E-04)	(1.230E-02)	07/27/1995		(9.160E-04)	(1.400E-02)	07/27/1995		(3.060E-04)	(1.100E-02)
		(2.480E-04)	(1.810E-03)			(3.450E-04)	(1.880E-03)			(2.300E-04)	(1.650E-03)
08/10/1995		(2.400E-04)	(9.060E-03)	08/10/1995		(4.100E-04)	(1.160E-02)	08/10/1995		(4.020E-04)	(9.340E-03)
		(2.270E-04)	(1.550E-03)			(2.780E-04)	(1.830E-03)			(2.770E-04)	(1.570E-03)
08/23/1995		(1.550E-04)	(9.610E-03)	08/23/1995		(7.910E-05)	(1.040E-02)	08/23/1995		(1.920E-04)	(9.380E-03)
		(2.250E-04)	(1.640E-03)			(2.250E-04)	(1.700E-03)			(2.240E-04)	(1.620E-03)
09/07/1995		(2.920E-04)	(1.680E-02)	09/07/1995		(3.490E-04)	(1.690E-02)	09/07/1995		(4.900E-05)	(1.610E-02)
		(2.560E-04)	(2.290E-03)			(2.590E-04)	(2.200E-03)			(1.930E-04)	(2.200E-03)

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/09/1995 TO 01/04/1996
AIR - PARTICULATE FILTER

Page 40

2264	400 E	2265	400 W	2266	400 S
ALPHA PCI/M3	BETA PCI/M3	ALPHA PCI/M3	BETA PCI/M3	ALPHA PCI/M3	BETA PCI/M3
09/20/1995	4.800E-04 (3.100E-04)	09/20/1995	3.560E-04 (2.690E-04)	09/20/1995	3.350E-04 (2.800E-04)
10/04/1995	3.180E-04 (2.660E-04)	10/04/1995	4.400E-04 (2.850E-04)	10/04/1995	4.000E-04 (2.710E-04)
10/18/1995	2.460E-04 (2.630E-04)	10/18/1995	2.210E-04 (2.610E-04)	10/18/1995	3.730E-04 (2.760E-04)
11/02/1995	1.000E-04 (1.810E-04)	11/02/1995	2.470E-04 (2.570E-04)	11/02/1995	5.350E-04 (2.890E-04)
11/15/1995	6.650E-04 (3.560E-04)	11/15/1995	4.650E-04 (3.250E-04)	11/15/1995	5.100E-04 (3.250E-04)
11/29/1995	3.570E-04 (2.670E-04)	11/29/1995	5.760E-04 (3.110E-04)	11/29/1995	5.100E-04 (3.080E-04)
12/12/1995	4.080E-04 (2.890E-04)	12/12/1995	5.090E-04 (3.090E-04)	12/12/1995	2.240E-04 (2.330E-04)
12/29/1995	1.070E-03 (3.720E-04)	12/29/1995	8.160E-04 (3.320E-04)	12/29/1995	8.770E-04 (3.360E-04)
MEAN	4.380E-04	MEAN	4.625E-04	MEAN	4.245E-04
MINIMUM	3.980E-05	MINIMUM	7.910E-05	MINIMUM	4.900E-05
MAXIMUM	1.300E-03	MAXIMUM	9.160E-04	MAXIMUM	8.770E-04
2STD. ERR	4.205E-03	2STD. ERR	4.205E-03	2STD. ERR	4.340E-03
	4.378E-03		4.369E-03		4.381E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 NO SAMPLE. SYSTEM UNPLUGGED.

2267 400 N

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/11/1995		9.660E-04 (3.640E-04)	4.740E-02 (4.890E-03)
01/25/1995		2.000E-04 (2.010E-04)	1.570E-02 (2.230E-03)
02/08/1995		5.150E-04 (2.210E-04)	2.400E-02 (2.930E-03)
02/22/1995		4.990E-04 (2.980E-04)	1.430E-02 (2.010E-03)
03/08/1995		8.890E-04 (3.840E-04)	2.230E-02 (2.720E-03)
03/22/1995		1.560E-04 (1.930E-04)	7.660E-03 (1.410E-03)
04/05/1995		2.620E-04 (2.430E-04)	1.360E-02 (2.020E-03)
04/19/1995		1.410E-04 (1.950E-04)	7.400E-03 (1.430E-03)
05/03/1995		9.090E-04 (3.900E-04)	1.140E-02 (1.740E-03)
05/17/1995		5.730E-04 (3.100E-04)	1.180E-02 (1.790E-03)
05/31/1995	2	8.200E-04 (3.480E-04)	1.570E-02 (2.180E-03)
06/13/1995		1.880E-04 (2.230E-04)	1.260E-02 (1.980E-03)
06/28/1995		9.970E-05 (1.830E-04)	8.290E-03 (1.410E-03)
07/11/1995		5.570E-04 (3.120E-04)	1.530E-02 (2.150E-03)
07/27/1995		1.880E-04 (2.230E-04)	1.280E-02 (1.860E-03)
08/10/1995		1.360E-04 (2.030E-04)	9.500E-03 (1.580E-03)
08/23/1995		6.800E-05 (2.270E-04)	1.060E-02 (1.780E-03)
09/07/1995		2.430E-04 (2.340E-04)	1.590E-02 (2.100E-03)

2267 400 N

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/20/1995		4.560E-04 (2.960E-04)	2.580E-02 (3.080E-03)
10/04/1995		4.960E-04 (3.100E-04)	1.800E-02 (2.440E-03)
10/18/1995		1.020E-04 (2.050E-04)	1.270E-02 (1.930E-03)
11/02/1995		5.060E-04 (3.000E-04)	1.970E-02 (2.550E-03)
11/15/1995		7.320E-04 (3.820E-04)	2.310E-02 (2.900E-03)
11/29/1995		3.840E-04 (2.830E-04)	1.840E-02 (2.480E-03)
12/12/1995		3.370E-04 (2.820E-04)	2.100E-02 (2.780E-03)
12/29/1995		6.710E-04 (3.020E-04)	4.740E-02 (4.800E-03)
MEAN		4.267E-04	1.778E-02
MINIMUM		6.800E-05	7.400E-03
MAXIMUM		9.660E-04	4.740E-02
2STD. ERR		4.041E-03	3.956E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 HUTCH HAD BLOWN OVER BUT WAS STILL RUNNING.

2262 400 AREA-400 E.400 W.400 S.400 N (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/05/1995		1.830E-01 (2.220E-02)	3.910E-05 (1.570E-04)	< -5.510E-05 (1.480E-04)	1.010E-04 (1.550E-04)	9.510E-04 (3.010E-03)	nra	nra	nra
06/28/1995	1	1.660E-01 (2.080E-02)	4.950E-05 (1.430E-04)	< -1.370E-04 (1.930E-04)	< -4.540E-06 (1.930E-04)	4.770E-03 (3.770E-03)	nra	nra	nra
10/04/1995		2.580E-01 (3.160E-02)	3.360E-05 (2.180E-04)	< -6.430E-05 (1.740E-04)	8.720E-05 (2.000E-03)	2.000E-03 (3.950E-03)	nra	nra	nra
12/29/1995		1.230E-01 (1.550E-02)	1.090E-04 (1.410E-04)	< -9.010E-05 (1.710E-04)	< -1.330E-04 (1.690E-04)	9.820E-03 (3.960E-03)	< -6.710E-09 (5.460E-08)	3.190E-07 (1.780E-07)	1.220E-06 (5.750E-06)
MEAN		1.825E-01	5.780E-05	-8.663E-05	1.267E-05	4.385E-03	-6.710E-09	3.190E-07	1.220E-06
MINIMUM		1.230E-01	3.360E-05	< -1.370E-04	< -1.330E-04	9.510E-04	< -6.710E-09	3.190E-07	1.220E-06
MAXIMUM		2.580E-01	1.090E-04	< -5.510E-05	1.010E-04	9.820E-03	< -6.710E-09	3.190E-07	1.220E-06
2STD. ERR		5.631E-02	3.476E-05	3.671E-05	1.078E-04	3.965E-03	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2267 on 05/31/1995.

HUTCH HAD BLOWN OVER BUT WAS STILL RUNNING.

2271 WYE BARRICADE *

2270 WYE BARRICADE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/18/1995		4.780E-04 (2.790E-04)	3.420E-02 (3.770E-03)
02/01/1995	1	4.710E-04 (3.330E-04)	2.550E-02 (3.140E-03)
02/15/1995		3.180E-04 (2.450E-04)	1.960E-02 (2.580E-03)
03/01/1995		3.760E-04 (2.690E-04)	1.440E-02 (2.010E-03)
03/15/1995		3.160E-04 (2.440E-04)	1.570E-02 (2.130E-03)
03/29/1995		2.120E-04 (2.220E-04)	9.270E-03 (1.610E-03)
04/12/1995		2.580E-04 (2.170E-04)	9.670E-03 (1.590E-03)
04/26/1995		4.640E-04 (2.800E-04)	1.000E-02 (1.620E-03)
05/10/1995		1.780E-04 (2.350E-04)	1.010E-02 (1.680E-03)
05/24/1995		2.750E-04 (2.390E-04)	1.280E-02 (1.890E-03)
06/07/1995		6.460E-04 (3.290E-04)	1.550E-02 (2.210E-03)
06/21/1995		1.010E-05 (1.420E-04)	6.710E-03 (1.320E-03)
07/05/1995		6.910E-04 (3.340E-04)	1.250E-02 (1.900E-03)
07/18/1995	2	NR	NR
08/02/1995		1.880E-04 (2.210E-04)	1.320E-02 (1.920E-03)
08/16/1995		4.310E-04 (2.830E-04)	1.250E-02 (1.920E-03)
08/30/1995		6.100E-04 (3.100E-04)	1.460E-02 (2.020E-03)
09/13/1995		1.830E-04 (2.130E-04)	2.180E-02 (2.680E-03)

2270 WYE BARRICADE 2271 WYE BARRICADE *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/27/1995		7.930E-04 (3.640E-04)	3.000E-02 (3.570E-03)
10/10/1995		2.210E-04 (2.280E-04)	1.070E-02 (1.770E-03)
10/25/1995		1.270E-04 (2.020E-04)	1.230E-02 (1.860E-03)
11/08/1995		3.910E-04 (2.850E-04)	2.720E-02 (3.300E-03)
11/22/1995		3.950E-04 (2.690E-04)	1.180E-02 (1.840E-03)
12/06/1995		2.390E-04 (2.270E-04)	1.250E-02 (1.920E-03)
12/20/1995		4.360E-04 (2.820E-04)	2.040E-02 (2.670E-03)
01/02/1996		5.710E-04 (3.330E-04)	5.420E-02 (5.720E-03)
MEAN		3.711E-04	1.749E-02
MINIMUM		1.010E-05	6.710E-03
MAXIMUM		7.930E-04	5.420E-02
2STD. ERR		3.592E-03	4.143E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 HOURS ON HOUR METER LOWER THAN USUAL. NO EXPLANATION.
 2 NO SAMPLE. LOW EXPOSURE HOURS, ZERO END FLOW.

2268 WYE BARRICADE-WYE BARRICADE, WYE BARRICADE (FILTER1 , PARTICULATE)

OFF DATE	COM	AM-241 PCI/M3	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3
03/29/1995	1	nra	1.390E-01 (2.200E-02)	2.350E-04 (1.930E-04)	< -6.110E-05 (2.970E-04)	3.030E-04 (2.490E-04)	2.700E-03 (7.650E-03)	nra	nra
07/05/1995		nra	1.930E-01 (2.510E-02)	< -1.320E-04 (2.460E-04)	< -3.270E-04 (2.590E-04)	1.360E-04 (2.420E-04)	6.120E-03 (5.870E-03)	nra	nra
09/27/1995	2	nra	2.620E-01 (3.540E-02)	< -2.490E-05 (4.720E-04)	< -2.300E-04 (3.670E-04)	1.490E-04 (3.900E-04)	6.180E-03 (8.690E-03)	nra	nra
01/02/1996		1.030E-07 (3.180E-07)	8.470E-02 (1.340E-02)	1.030E-04 (2.150E-04)	< -2.090E-04 (2.390E-04)	1.280E-04 (2.230E-04)	5.030E-03 (5.240E-03)	< -7.030E-08 (2.880E-07)	7.930E-07 (5.550E-07)
MEAN		1.030E-07	1.697E-01	4.528E-05	-2.068E-04	1.790E-04	5.008E-03	-7.030E-08	7.930E-07
MINIMUM		1.030E-07	8.470E-02	< -1.320E-04	< -3.270E-04	1.280E-04	2.700E-03	< -7.030E-08	7.930E-07
MAXIMUM		1.030E-07	2.620E-01	2.350E-04	< -6.110E-05	3.030E-04	6.180E-03	< -7.030E-08	7.930E-07
2STD. ERR		.000E+00	7.578E-02	1.588E-04	1.099E-04	8.312E-05	1.627E-03	.000E+00	.000E+00

2268 WYE BARRICADE-WYE BARRICADE, WYE BARRICADE (FILTER1 , PARTICULATE)

OFF DATE	COM	SR-90 PCI/M3	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UISO_TOTAL PCI/M3
03/29/1995		nra	nra	nra	nra	nra
07/05/1995		nra	nra	nra	nra	nra
09/27/1995		nra	nra	nra	nra	nra
01/02/1996		9.430E-07 (1.040E-05)	1.070E-05 (2.470E-06)	8.420E-07 (7.160E-07)	8.430E-06 (2.160E-06)	1.997E-05 (3.358E-06)
MEAN		9.430E-07	1.070E-05	8.420E-07	8.430E-06	1.997E-05
MINIMUM		9.430E-07	1.070E-05	8.420E-07	8.430E-06	1.997E-05
MAXIMUM		9.430E-07	1.070E-05	8.420E-07	8.430E-06	1.997E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2270 on 02/01/1995

HOURS ON HOUR METER LOWER THAN USUAL. NO EXPLANATION.

2 Comment for sample 2270 on 07/18/1995

NO SAMPLE. LOW EXPOSURE HOURS, ZERO END FLOW.

Comment for sample 2271 on 02/01/1995

HOURS ON HOUR METER LOWER THAN USUAL. NO EXPLANATION.

Comment for sample 2271 on 07/18/1995

NO SAMPLE. LOW EXPOSURE HOURS, ZERO END FLOW.

2283 RINGOLD MET TOWER

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/11/1995		1.610E-03 (4.850E-04)	6.060E-02 (6.470E-03)
01/25/1995		3.340E-04 (2.450E-04)	1.500E-02 (2.140E-03)
02/08/1995		8.560E-04 (2.590E-04)	2.900E-02 (3.310E-03)
02/22/1995		7.830E-04 (3.530E-04)	1.540E-02 (2.200E-03)
03/08/1995		6.480E-04 (3.290E-04)	1.710E-02 (2.230E-03)
03/23/1995		3.830E-04 (2.510E-04)	8.000E-03 (1.390E-03)
04/05/1995		4.630E-04 (2.910E-04)	1.400E-02 (2.130E-03)
04/19/1995		5.480E-04 (2.980E-04)	6.820E-03 (1.350E-03)
05/03/1995		9.660E-04 (3.820E-04)	1.150E-02 (1.810E-03)
05/17/1995	1	NR	NR
05/31/1995		6.240E-04 (3.270E-04)	1.540E-02 (2.100E-03)
06/14/1995		4.610E-04 (2.780E-04)	1.070E-02 (1.740E-03)
06/28/1995		2.110E-04 (2.220E-04)	8.500E-03 (1.500E-03)
07/12/1995		6.560E-04 (3.360E-04)	1.590E-02 (2.250E-03)
07/27/1995		5.410E-04 (2.970E-04)	1.490E-02 (2.010E-03)
08/09/1995		4.500E-04 (3.040E-04)	1.260E-02 (1.940E-03)
08/23/1995		2.390E-04 (2.580E-04)	1.160E-02 (1.760E-03)
09/07/1995		5.690E-04 (2.640E-04)	1.550E-02 (1.920E-03)

2283 RINGOLD MET TOWER

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/20/1995		4.280E-04 (2.900E-04)	2.570E-02 (3.220E-03)
10/04/1995		6.170E-04 (3.140E-04)	1.770E-02 (2.310E-03)
10/18/1995		5.560E-04 (3.200E-04)	1.360E-02 (1.950E-03)
11/01/1995		4.970E-04 (2.970E-04)	1.760E-02 (2.390E-03)
11/15/1995		7.530E-04 (3.610E-04)	2.300E-02 (2.930E-03)
11/29/1995		7.390E-05 (1.960E-04)	1.690E-03 (2.230E-03)
12/13/1995		3.320E-04 (2.640E-04)	1.740E-02 (2.410E-03)
12/28/1995		1.270E-03 (4.250E-04)	4.800E-02 (5.230E-03)
MEAN		5.948E-04	1.850E-02
MINIMUM		7.390E-05	6.820E-03
MAXIMUM		1.610E-03	6.060E-02
2STD. ERR		5.064E-03	4.814E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 NO SAMPLE. POSSIBLE POWER OUTAGE.

2274 RINGOLD MET TOWER-RINGOLD MET TOWER (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/05/1995		1.510E-01 (2.580E-02)	< -5.520E-04 (6.290E-04)	< -6.610E-04 (4.990E-04)	< -4.410E-04 (5.190E-04)	1.590E-02 (8.400E-03)	nra	nra	nra
06/28/1995	1	1.560E-01 (2.970E-02)	< -1.930E-04 (7.320E-04)	< -3.820E-05 (6.350E-04)	< -2.230E-05 (6.220E-04)	4.160E-02 (1.290E-02)	nra	nra	nra
10/04/1995		1.520E-01 (3.180E-02)	8.360E-05 (5.120E-04)	< -2.580E-05 (3.860E-04)	3.720E-04 (4.310E-04)	3.000E-02 (1.100E-02)	nra	nra	nra
12/28/1995		9.790E-02 (2.720E-02)	6.160E-04 (4.400E-04)	< -1.270E-05 (5.430E-04)	< -8.030E-04 (6.840E-04)	1.900E-02 (1.200E-02)	1.840E-07 (3.260E-07)	1.530E-06 (7.740E-07)	3.190E-07 (1.180E-05)
MEAN		1.392E-01	-1.135E-05	-1.844E-04	-2.236E-04	2.663E-02	1.840E-07	1.530E-06	3.190E-07
MINIMUM		9.790E-02	< -5.520E-04	< -6.610E-04	< -8.030E-04	1.590E-02	1.840E-07	1.530E-06	3.190E-07
MAXIMUM		1.560E-01	6.160E-04	< -1.270E-05	3.720E-04	4.160E-02	1.840E-07	1.530E-06	3.190E-07
2STD. ERR		2.763E-02	4.926E-04	3.179E-04	5.093E-04	1.167E-02	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only
1 Comment for sample 2283 on 05/17/1995
NO SAMPLE. POSSIBLE POWER OUTAGE.

2282 W END OF FIR ROAD *

2280 W END OF FIR ROAD

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/11/1995		7.690E-04 (3.390E-04)	4.970E-02 (5.130E-03)
01/25/1995		5.480E-04 (2.990E-04)	1.410E-02 (1.990E-03)
02/08/1995		6.190E-04 (2.320E-04)	2.660E-02 (3.100E-03)
02/22/1995		6.630E-04 (3.770E-04)	1.800E-02 (2.560E-03)
03/08/1995		3.180E-04 (2.790E-04)	2.230E-02 (2.960E-03)
03/23/1995	1	2.750E-04 (2.460E-04)	6.570E-03 (1.380E-03)
04/05/1995		3.790E-04 (2.850E-04)	1.290E-02 (1.970E-03)
04/19/1995		4.640E-04 (4.860E-04)	1.510E-02 (2.920E-03)
05/03/1995		1.900E-03 (6.820E-04)	1.560E-02 (2.470E-03)
05/17/1995		4.960E-04 (2.990E-04)	1.330E-02 (2.000E-03)
05/31/1995		4.400E-04 (2.760E-04)	1.510E-02 (2.070E-03)
06/14/1995		4.940E-04 (3.100E-04)	1.120E-02 (1.810E-03)
06/28/1995		3.390E-04 (2.830E-04)	7.430E-03 (1.480E-03)
07/12/1995		5.380E-04 (3.020E-04)	1.380E-02 (1.960E-03)
07/27/1995		6.190E-04 (3.140E-04)	1.230E-02 (1.810E-03)
08/09/1995		4.670E-04 (3.070E-04)	9.910E-03 (1.730E-03)
08/23/1995		9.660E-05 (2.240E-04)	8.980E-03 (1.570E-03)
09/07/1995		4.290E-04 (2.750E-04)	1.570E-02 (2.080E-03)

2280 W END OF FIR ROAD 2282 W END OF FIR ROAD *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/20/1995		2.340E-04 (2.600E-04)	2.300E-02 (2.880E-03)
10/04/1995		9.120E-04 (3.790E-04)	1.830E-02 (2.460E-03)
10/18/1995	2	NR	NR
11/01/1995		2.290E-04 (2.180E-04)	1.500E-02 (2.070E-03)
11/15/1995		4.720E-04 (3.130E-04)	1.940E-02 (2.510E-03)
11/29/1995		2.350E-04 (2.370E-04)	1.570E-02 (2.130E-03)
12/13/1995		1.150E-04 (1.880E-04)	1.550E-02 (2.140E-03)
12/28/1995	3	6.650E-04 (4.470E-04)	6.500E-02 (6.910E-03)
MEAN		5.086E-04	1.842E-02
MINIMUM		9.660E-05	6.570E-03
MAXIMUM		1.900E-03	6.500E-02
2STD. ERR		4.348E-03	5.116E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 HOURS WERE LOW, POSSIBLE POWER OUTAGE.
 2 NO SAMPLE. LOW EXPOSURE HOURS.
 3 LOW EXPOSURE HOURS, POSSIBLE POWER OUTAGE.

2276 W END OF FIR ROAD-W END OF FIR ROAD, W END OF FIR ROAD (FILTER1 , PARTICULATE)

OFF DATE	COM	AM-241 PCI/M3	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3
04/05/1995	1	nra	1.730E-01 (2.520E-02)	4.430E-04 (2.710E-04)	< -1.960E-04 (3.400E-04)	3.920E-06 (2.970E-04)	1.420E-03 (6.750E-03)	nra	nra
06/28/1995		nra	2.000E-01 (2.880E-02)	< -2.450E-05 (4.850E-04)	2.440E-04 (4.850E-04)	< -3.940E-04 (4.280E-04)	6.690E-03 (9.850E-03)	nra	nra
10/04/1995		nra	2.180E-01 (2.890E-02)	2.290E-04 (3.120E-04)	8.240E-05 (2.810E-04)	< -6.820E-06 (2.470E-04)	8.660E-03 (7.110E-03)	nra	nra
12/28/1995	2	1.020E-07 (3.740E-07)	1.050E-01 (1.630E-02)	< -3.040E-05 (3.500E-04)	1.570E-04 (3.010E-04)	< -3.230E-04 (3.220E-04)	2.330E-02 (7.780E-03)	1.860E-07 (3.720E-07)	1.540E-07 (3.790E-07)
MEAN		1.020E-07	1.740E-01	1.543E-04	7.185E-05	-1.800E-04	1.002E-02	1.860E-07	1.540E-07
MINIMUM		1.020E-07	1.050E-01	< -3.040E-05	< -1.960E-04	< -3.940E-04	1.420E-03	1.860E-07	1.540E-07
MAXIMUM		1.020E-07	2.180E-01	4.430E-04	2.440E-04	3.920E-06	2.330E-02	1.860E-07	1.540E-07
2STD. ERR		.000E+00	4.958E-02	2.273E-04	1.904E-04	2.082E-04	9.368E-03	.000E+00	.000E+00

2276 W END OF FIR ROAD-W END OF FIR ROAD, W END OF FIR ROAD (FILTER1 , PARTICULATE)

OFF DATE	COM	SR-90 PCI/M3	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
04/05/1995		nra	nra	nra	nra	nra
06/28/1995		nra	nra	nra	nra	nra
10/04/1995		nra	nra	nra	nra	nra
12/28/1995		< -3.160E-07 (1.050E-05)	3.600E-05 (5.730E-06)	1.170E-06 (8.660E-07)	3.360E-05 (5.450E-06)	7.077E-05 (7.955E-06)
MEAN		-3.160E-07	3.600E-05	1.170E-06	3.360E-05	7.077E-05
MINIMUM		< -3.160E-07	3.600E-05	1.170E-06	3.360E-05	7.077E-05
MAXIMUM		< -3.160E-07	3.600E-05	1.170E-06	3.360E-05	7.077E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2280 on 03/23/1995

HOURS WERE LOW, POSSIBLE POWER OUTAGE.

Comment for sample 2282 on 03/23/1995

HOURS WERE LOW, POSSIBLE POWER OUTAGE.

2 Comment for sample 2282 on 10/18/1995

NO SAMPLE. LOW EXPOSURE HOURS.

Comment for sample 2282 on 12/28/1995

LOW EXPOSURE HOURS, POSSIBLE POWER OUTAGE.

Comment for sample 2280 on 10/18/1995

NO SAMPLE. LOW EXPOSURE HOURS.

Comment for sample 2280 on 12/28/1995

LOW EXPOSURE HOURS, POSSIBLE POWER OUTAGE.

2287 DOGWOOD MET TOWER *

2286 DOGWOOD MET TOWER

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/11/1995		1.000E-03 (4.010E-04)	3.710E-02 (4.040E-03)
01/25/1995		4.780E-04 (2.970E-04)	1.860E-02 (2.470E-03)
02/08/1995		7.350E-04 (2.620E-04)	2.690E-02 (3.290E-03)
02/22/1995		4.830E-04 (2.900E-04)	1.380E-02 (2.030E-03)
03/08/1995		3.460E-04 (2.540E-04)	1.770E-02 (2.320E-03)
03/23/1995		1.540E-04 (1.990E-04)	8.720E-03 (1.510E-03)
04/05/1995		9.100E-04 (3.790E-04)	1.510E-02 (2.210E-03)
04/19/1995		2.830E-04 (2.350E-04)	7.300E-03 (1.370E-03)
05/03/1995		4.830E-04 (2.940E-04)	1.120E-02 (1.730E-03)
05/17/1995	1	2.080E-04 (2.440E-04)	1.140E-02 (1.750E-03)
05/31/1995		8.120E-04 (3.660E-04)	1.610E-02 (2.200E-03)
06/14/1995		3.880E-04 (2.690E-04)	9.720E-03 (1.630E-03)
06/28/1995		6.000E-04 (3.230E-04)	8.960E-03 (1.520E-03)
07/12/1995		6.320E-04 (3.220E-04)	1.400E-02 (2.010E-03)
07/27/1995		6.020E-04 (3.050E-04)	1.190E-02 (1.770E-03)
08/09/1995		5.190E-04 (3.210E-04)	1.100E-02 (1.770E-03)
08/23/1995		5.760E-04 (3.120E-04)	8.340E-03 (1.470E-03)
09/07/1995		5.280E-04 (2.920E-04)	1.530E-02 (2.080E-03)

2286 DOGWOOD MET TOWER 2287 DOGWOOD MET TOWER *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/20/1995		4.380E-04 (2.970E-04)	2.130E-02 (2.680E-03)
10/04/1995		6.510E-04 (3.310E-04)	1.590E-02 (2.150E-03)
10/18/1995		4.300E-04 (2.880E-04)	1.150E-02 (1.830E-03)
11/01/1995		4.200E-04 (2.940E-04)	1.600E-02 (2.160E-03)
11/15/1995		6.750E-04 (3.560E-04)	1.980E-02 (2.610E-03)
11/29/1995		4.210E-04 (2.830E-04)	1.530E-02 (2.120E-03)
12/13/1995		5.410E-04 (3.010E-04)	1.420E-02 (2.070E-03)
12/28/1995		4.650E-04 (2.790E-04)	3.620E-02 (3.900E-03)
MEAN		5.299E-04	1.590E-02
MINIMUM		1.540E-04	7.300E-03
MAXIMUM		1.000E-03	3.710E-02
2STD. ERR		3.522E-03	2.957E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 PLOWING OCCURRING IN FIELD NEXT TO SAMPLER.

2284 DOGWOOD MET TOWER-DOGWOOD MET TOWER, DOGWOOD MET TOWER (FILTER1 , PARTICULATE)

OFF DATE	COM	AM-241 PCI/M3	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3
04/05/1995		nra	1.830E-01 (2.570E-02)	6.970E-05 (3.270E-04)	3.780E-05 (2.960E-04)	1.380E-04 (2.780E-04)	8.760E-04 (5.490E-03)	nra	nra
06/28/1995	1	nra	1.490E-01 (2.100E-02)	8.390E-05 (2.430E-04)	< -6.730E-05 (2.650E-04)	9.730E-05 (2.450E-04)	1.380E-02 (4.810E-03)	nra	nra
10/04/1995		nra	1.990E-01 (2.670E-02)	< -3.670E-04 (3.850E-04)	< -1.310E-04 (2.720E-04)	2.510E-05 (2.470E-04)	1.950E-02 (6.290E-03)	nra	nra
12/28/1995		1.370E-07 (4.110E-07)	8.840E-02 (1.460E-02)	1.120E-04 (3.420E-04)	4.840E-04 (2.610E-04)	4.540E-04 (2.540E-04)	3.620E-03 (6.560E-03)	< -6.710E-08 (3.230E-07)	1.620E-07 (3.890E-07)
MEAN		1.370E-07	1.549E-01	-2.535E-05	8.088E-05	1.786E-04	9.449E-03	-6.710E-08	1.620E-07
MINIMUM		1.370E-07	8.840E-02	< -3.670E-04	< -1.310E-04	2.510E-05	8.760E-04	< -6.710E-08	1.620E-07
MAXIMUM		1.370E-07	1.990E-01	1.120E-04	4.840E-04	4.540E-04	1.950E-02	< -6.710E-08	1.620E-07
2STD. ERR		.000E+00	4.896E-02	2.284E-04	2.776E-04	1.894E-04	8.707E-03	.000E+00	.000E+00

2284 DOGWOOD MET TOWER-DOGWOOD MET TOWER, DOGWOOD MET TOWER (FILTER1 , PARTICULATE)

OFF DATE	COM	SR-90 PCI/M3	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UISO_TOTAL PCI/M3
04/05/1995		nra	nra	nra	nra	nra
06/28/1995		nra	nra	nra	nra	nra
10/04/1995		nra	nra	nra	nra	nra
12/28/1995		< -2.290E-08 (9.660E-06)	2.130E-05 (3.840E-06)	1.370E-06 (8.620E-07)	1.760E-05 (3.410E-06)	4.027E-05 (5.207E-06)
MEAN		-2.290E-08	2.130E-05	1.370E-06	1.760E-05	4.027E-05
MINIMUM		< -2.290E-08	2.130E-05	1.370E-06	1.760E-05	4.027E-05
MAXIMUM		< -2.290E-08	2.130E-05	1.370E-06	1.760E-05	4.027E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only
1 Comment for sample 2286 on 05/17/1995
FLOWING OCCURRING IN FIELD NEXT TO SAMPLER.
Comment for sample 2287 on 05/17/1995
FLOWING OCCURRING IN FIELD NEXT TO SAMPLER.

2290 BYERS LANDING

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/11/1995		1.830E-03 (5.290E-04)	5.210E-02 (5.480E-03)
01/25/1995	<	1.390E-04 (4.620E-05)	1.500E-02 (2.100E-03)
02/08/1995		7.800E-04 (2.560E-04)	2.270E-02 (2.750E-03)
02/22/1995		2.870E-04 (2.360E-04)	1.500E-02 (2.070E-03)
03/08/1995		4.420E-04 (2.770E-04)	2.060E-02 (2.700E-03)
03/23/1995		1.670E-04 (1.980E-04)	7.330E-03 (1.330E-03)
04/05/1995		5.960E-04 (3.220E-04)	1.320E-02 (1.970E-03)
04/19/1995		1.290E-04 (1.990E-04)	6.130E-03 (1.270E-03)
05/03/1995		6.960E-04 (3.290E-04)	1.300E-02 (1.920E-03)
05/17/1995		4.250E-04 (2.770E-04)	1.790E-02 (2.440E-03)
05/31/1995		5.580E-04 (3.030E-04)	2.090E-02 (2.710E-03)
06/14/1995		7.330E-04 (3.300E-04)	1.130E-02 (1.730E-03)
06/28/1995		2.930E-04 (2.280E-04)	6.780E-03 (1.320E-03)
07/12/1995		4.740E-04 (2.950E-04)	1.450E-02 (2.100E-03)
07/27/1995		6.610E-04 (3.280E-04)	1.330E-02 (1.930E-03)
08/09/1995		1.080E-03 (4.210E-04)	1.320E-02 (1.970E-03)
08/23/1995		3.270E-04 (2.630E-04)	1.020E-02 (1.710E-03)
09/07/1995		7.190E-04 (3.360E-04)	1.680E-02 (2.240E-03)

2290 BYERS LANDING

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/20/1995		3.040E-04 (2.620E-04)	2.470E-02 (3.050E-03)
10/04/1995		6.140E-04 (3.200E-04)	1.730E-02 (2.380E-03)
10/18/1995		8.050E-05 (1.870E-04)	1.240E-02 (1.710E-03)
11/01/1995		3.700E-04 (2.670E-04)	1.850E-02 (2.420E-03)
11/15/1995		7.920E-04 (3.560E-04)	2.100E-02 (2.610E-03)
11/29/1995		2.990E-04 (2.530E-04)	1.690E-02 (2.330E-03)
12/13/1995		1.810E-04 (2.100E-04)	1.870E-02 (2.400E-03)
12/28/1995		9.520E-04 (3.870E-04)	4.460E-02 (4.750E-03)
MEAN		5.250E-04	1.785E-02
MINIMUM		< -1.390E-04	6.130E-03
MAXIMUM		1.830E-03	5.210E-02
2STD. ERR		4.372E-03	4.005E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2288 BYERS LANDING-BYERS LANDING (FILTER1 , PARTICULATE)

OFF DATE	COM	AM-241 PCI/M3	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3
04/05/1995		nra	1.610E-01 (2.850E-02)	< -5.470E-04 (7.410E-04)	1.810E-04 (3.980E-04)	4.000E-05 (3.930E-04)	1.600E-02 (9.250E-03)	nra	nra
06/28/1995		nra	1.720E-01 (2.740E-02)	2.350E-05 (5.590E-04)	< -4.480E-04 (4.790E-04)	2.990E-04 (3.960E-04)	3.320E-03 (1.320E-02)	nra	nra
10/04/1995		nra	1.750E-01 (2.730E-02)	< -3.310E-05 (6.290E-04)	< -6.610E-05 (5.370E-04)	2.940E-04 (3.470E-04)	1.340E-02 (8.740E-03)	nra	nra
12/28/1995		3.330E-07 (6.630E-07)	1.160E-01 (2.020E-02)	5.810E-04 (4.150E-04)	8.320E-05 (4.930E-04)	< -1.670E-04 (4.860E-04)	3.260E-02 (1.170E-02)	8.880E-08 (4.740E-07)	1.060E-06 (1.000E-06)
MEAN		3.330E-07	1.560E-01	6.100E-06	-6.248E-05	1.165E-04	1.633E-02	8.880E-08	1.060E-06
MINIMUM		3.330E-07	1.160E-01	< -5.470E-04	< -4.480E-04	< -1.670E-04	3.320E-03	8.880E-08	1.060E-06
MAXIMUM		3.330E-07	1.750E-01	5.810E-04	1.810E-04	2.990E-04	3.260E-02	8.880E-08	1.060E-06
2STD. ERR		.000E+00	2.734E-02	4.613E-04	2.764E-04	2.244E-04	1.215E-02	.000E+00	.000E+00

2288 BYERS LANDING-BYERS LANDING (FILTER1 , PARTICULATE)

OFF DATE	COM	SR-90 PCI/M3	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UISO_TOTAL PCI/M3
04/05/1995		nra	nra	nra	nra	nra
06/28/1995		nra	nra	nra	nra	nra
10/04/1995		nra	nra	nra	nra	nra
12/28/1995	<	-2.620E-06 (1.710E-05)	3.390E-05 (6.480E-06)	2.360E-06 (1.570E-06)	2.760E-05 (5.750E-06)	6.386E-05 (8.804E-06)
MEAN		-2.620E-06	3.390E-05	2.360E-06	2.760E-05	6.386E-05
MINIMUM	<	-2.620E-06	3.390E-05	2.360E-06	2.760E-05	6.386E-05
MAXIMUM	<	-2.620E-06	3.390E-05	2.360E-06	2.760E-05	6.386E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2292 BATTELLE COMPLEX

OFF DATE	COM	BETA	
		PCI/M3	
01/11/1995		4.840E-02	(5.320E-03)
01/25/1995		1.510E-02	(2.080E-03)
02/08/1995		2.490E-02	(2.950E-03)
02/22/1995		1.550E-02	(2.190E-03)
03/08/1995		1.960E-02	(2.470E-03)
03/22/1995		9.080E-03	(1.620E-03)
04/05/1995		1.480E-02	(2.050E-03)
04/19/1995		7.900E-03	(1.440E-03)
05/03/1995		1.090E-02	(1.690E-03)
05/17/1995		1.060E-02	(1.730E-03)
05/31/1995		1.750E-02	(2.280E-03)
06/13/1995		9.770E-03	(1.650E-03)
06/28/1995		9.440E-03	(1.570E-03)
07/11/1995		1.570E-02	(2.210E-03)
07/27/1995		1.320E-02	(1.820E-03)
08/10/1995		1.080E-02	(1.750E-03)
08/23/1995		9.370E-03	(1.600E-03)
09/07/1995		1.780E-02	(2.370E-03)

2292 BATTELLE COMPLEX

OFF DATE	COM	BETA PCI/M3
09/20/1995		2.560E-02 (3.240E-03)
10/04/1995		1.910E-02 (2.470E-03)
10/18/1995		1.300E-02 (1.910E-03)
11/02/1995		2.040E-02 (2.500E-03)
11/15/1995		2.340E-02 (2.880E-03)
11/29/1995		1.870E-02 (2.450E-03)
12/12/1995		2.130E-02 (2.680E-03)
12/29/1995		4.860E-02 (5.040E-03)
MEAN		1.809E-02
MINIMUM		7.900E-03
MAXIMUM		4.860E-02
2STD. ERR		4.037E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2774 BATTTELLE COMPLEX-BATTTELLE COMPLEX (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3
12/29/1995		3.730E-01 (5.330E-02)	1.640E-04 (1.550E-04)	7.110E-05 (1.610E-04)	6.310E-05 (1.460E-04)	1.520E-02 (3.590E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2296 PROSSER BARRICADE *

2295 HORN RAPIDS SUBSTA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/11/1995		9.680E-04 (3.640E-04)	4.890E-02 (5.020E-03)
01/25/1995		2.420E-04 (2.160E-04)	1.550E-02 (2.120E-03)
02/08/1995		7.350E-04 (2.500E-04)	2.300E-02 (2.930E-03)
02/22/1995		4.310E-04 (2.900E-04)	1.760E-02 (2.300E-03)
03/08/1995		6.960E-04 (3.390E-04)	2.230E-02 (2.720E-03)
03/22/1995		2.200E-04 (2.150E-04)	8.590E-03 (1.490E-03)
04/05/1995		6.780E-04 (3.270E-04)	1.420E-02 (1.990E-03)
04/19/1995		1.300E-04 (2.130E-04)	6.830E-03 (1.340E-03)
05/03/1995		5.190E-04 (2.910E-04)	1.160E-02 (1.760E-03)
05/17/1995		4.920E-04 (2.950E-04)	1.300E-02 (1.900E-03)
05/31/1995		3.620E-04 (2.510E-04)	1.590E-02 (2.150E-03)
06/13/1995		9.440E-05 (1.950E-04)	1.000E-02 (1.690E-03)
06/28/1995		3.670E-04 (2.520E-04)	7.410E-03 (1.360E-03)
07/11/1995		6.160E-04 (3.390E-04)	1.460E-02 (2.100E-03)
07/27/1995		4.290E-04 (2.560E-04)	1.050E-02 (1.600E-03)
08/10/1995		3.620E-04 (2.710E-04)	1.050E-02 (1.660E-03)
08/23/1995		7.920E-06 (2.120E-04)	9.260E-03 (1.590E-03)
09/07/1995		3.300E-04 (2.470E-04)	1.450E-02 (2.010E-03)

2296 PROSSER BARRICADE *

2295 HORN RAPIDS SUBSTA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/20/1995		4.140E-04 (2.830E-04)	2.770E-02 (3.260E-03)
10/04/1995		3.470E-05 (1.790E-04)	1.880E-02 (2.410E-03)
10/18/1995		3.030E-04 (2.760E-04)	1.290E-02 (1.870E-03)
11/02/1995		3.390E-04 (2.610E-04)	2.050E-02 (2.560E-03)
11/15/1995		6.930E-04 (3.520E-04)	2.300E-02 (2.980E-03)
11/29/1995		3.180E-04 (2.660E-04)	2.120E-02 (2.620E-03)
12/12/1995		1.020E-04 (1.970E-04)	2.060E-02 (2.660E-03)
12/29/1995		7.200E-04 (3.180E-04)	5.600E-02 (5.710E-03)
MEAN		4.078E-04	1.826E-02
MINIMUM		7.920E-06	6.830E-03
MAXIMUM		9.680E-04	5.600E-02
2STD. ERR		4.135E-03	4.508E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2293 PROSSER BARRICADE-HORN RAPIDS SUBSTA, PROSSER BARRICADE (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/05/1995		1.960E-01 (2.610E-02)	2.400E-04 (2.910E-04)	3.980E-04 (2.090E-04)	< -4.640E-05 (2.780E-03)	1.370E-02 (6.060E-03)	nra	nra	nra
06/28/1995		1.660E-01 (2.310E-02)	< -1.730E-04 (3.640E-04)	< -3.880E-05 (3.200E-04)	5.670E-05 (3.250E-04)	1.930E-03 (7.970E-03)	nra	nra	nra
10/04/1995		2.300E-01 (2.970E-02)	8.740E-05 (3.670E-04)	< -1.430E-04 (3.060E-04)	< -1.450E-04 (3.020E-04)	2.430E-03 (8.170E-03)	nra	nra	nra
12/29/1995		1.150E-01 (1.850E-02)	1.480E-04 (1.490E-04)	< -6.380E-05 (2.510E-04)	2.480E-05 (2.440E-04)	1.560E-03 (6.890E-03)	1.110E-07 (3.670E-07)	6.500E-08 (3.110E-07)	< -3.010E-06 (8.820E-06)
MEAN		1.768E-01	7.560E-05	3.810E-05	-2.748E-05	4.905E-03	1.110E-07	6.500E-08	-3.010E-06
MINIMUM		1.150E-01	< -1.730E-04	< -1.430E-04	< -1.450E-04	1.560E-03	1.110E-07	6.500E-08	< -3.010E-06
MAXIMUM		2.300E-01	2.400E-04	3.980E-04	5.670E-05	1.370E-02	1.110E-07	6.500E-08	< -3.010E-06
2STD. ERR		4.877E-02	1.772E-04	2.440E-04	8.942E-05	5.874E-03	.000E+00	.000E+00	.000E+00

2293 PROSSER BARRICADE-HORN RAPIDS SUBSTA, PROSSER BARRICADE (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
04/05/1995		nra	nra	nra	nra
06/28/1995		nra	nra	nra	nra
10/04/1995		nra	nra	nra	nra
12/29/1995		1.420E-05 (3.220E-06)	6.140E-07 (6.910E-07)	1.350E-05 (3.170E-06)	2.831E-05 (4.571E-06)
MEAN		1.420E-05	6.140E-07	1.350E-05	2.831E-05
MINIMUM		1.420E-05	6.140E-07	1.350E-05	2.831E-05
MAXIMUM		1.420E-05	6.140E-07	1.350E-05	2.831E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2300 YAKIMA BARRICADE *

2299 YAKIMA BARRICADE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/10/1995		3.150E-04 (2.810E-04)	4.500E-02 (4.780E-03)
01/24/1995		9.860E-05 (1.740E-04)	1.320E-02 (1.980E-03)
02/07/1995		6.380E-04 (2.360E-04)	2.440E-02 (2.910E-03)
02/21/1995		3.690E-04 (2.750E-04)	1.290E-02 (1.950E-03)
03/07/1995		3.180E-04 (2.650E-04)	1.910E-02 (2.440E-03)
03/21/1995		3.200E-04 (2.460E-04)	6.840E-03 (1.350E-03)
04/04/1995		3.170E-04 (2.340E-04)	1.090E-02 (1.710E-03)
04/18/1995		3.180E-04 (2.460E-04)	6.010E-03 (1.260E-03)
05/02/1995		4.090E-04 (2.580E-04)	1.100E-02 (1.760E-03)
05/16/1995		3.450E-04 (2.740E-04)	1.330E-02 (1.920E-03)
05/30/1995		5.000E-04 (2.980E-04)	1.690E-02 (2.230E-03)
06/13/1995		3.410E-04 (2.630E-04)	1.110E-02 (1.730E-03)
06/27/1995		2.140E-04 (2.100E-04)	8.100E-03 (1.450E-03)
07/11/1995		6.090E-04 (3.110E-04)	1.290E-02 (1.880E-03)
07/25/1995		2.250E-04 (2.300E-04)	1.310E-02 (1.890E-03)
08/08/1995		2.570E-04 (2.730E-04)	7.570E-03 (1.410E-03)
08/22/1995		1.730E-04 (2.170E-04)	7.790E-03 (1.410E-03)
09/06/1995		3.000E-04 (2.490E-04)	1.400E-02 (2.010E-03)

2300 YAKIMA BARRICADE *

2299 YAKIMA BARRICADE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/19/1995	1	4.600E-04 (2.990E-04)	2.290E-02 (2.820E-03)
10/03/1995		4.990E-04 (2.880E-04)	1.970E-02 (2.610E-03)
10/17/1995		2.810E-04 (2.750E-04)	9.070E-03 (1.550E-03)
10/31/1995		3.210E-04 (2.440E-04)	1.220E-02 (1.900E-03)
11/14/1995		7.430E-04 (3.680E-04)	2.060E-02 (2.680E-03)
11/28/1995		4.370E-04 (2.940E-04)	1.650E-02 (2.200E-03)
12/12/1995		2.980E-04 (2.420E-04)	1.540E-02 (2.110E-03)
12/27/1995		8.410E-04 (3.500E-04)	3.210E-02 (3.730E-03)
MEAN		3.826E-04	1.548E-02
MINIMUM		9.860E-05	6.010E-03
MAXIMUM		8.410E-04	4.500E-02
2STD. ERR		3.838E-03	3.352E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 HOUR METER WAS STUCK, EXPOSURE HOURS ESTIMATED.

2297 YAKIMA BARRICADE-YAKIMA BARRICADE, YAKIMA BARRICADE (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/04/1995		1.520E-01 (2.180E-02)	< -1.940E-04 (3.830E-04)	< -3.660E-04 (3.200E-04)	1.740E-05 (2.800E-04)	1.280E-02 (5.450E-03)	nra	nra	nra
06/27/1995		1.780E-01 (2.560E-02)	< -6.720E-04 (5.220E-04)	2.040E-04 (3.010E-04)	2.720E-04 (2.880E-04)	2.050E-02 (6.760E-03)	nra	nra	nra
10/03/1995	1	2.070E-01 (2.790E-02)	3.360E-04 (3.000E-04)	1.540E-04 (2.450E-04)	3.700E-05 (2.620E-04)	2.080E-02 (6.320E-03)	nra	nra	nra
12/27/1995		8.720E-02 (1.330E-02)	9.620E-05 (2.940E-04)	1.670E-04 (2.150E-04)	< -2.500E-04 (2.970E-04)	2.590E-02 (6.570E-03)	7.090E-09 (1.080E-07)	4.390E-07 (3.060E-07)	< -7.370E-07 (7.710E-06)
MEAN		1.561E-01	-1.085E-04	3.975E-05	1.910E-05	2.000E-02	7.090E-09	4.390E-07	-7.370E-07
MINIMUM		8.720E-02	< -6.720E-04	< -3.660E-04	< -2.500E-04	1.280E-02	7.090E-09	4.390E-07	< -7.370E-07
MAXIMUM		2.070E-01	3.360E-04	2.040E-04	2.720E-04	2.590E-02	7.090E-09	4.390E-07	< -7.370E-07
2STD. ERR		5.110E-02	4.337E-04	2.713E-04	2.135E-04	5.402E-03	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2299 on 09/19/1995

HOUR METER WAS STUCK, EXPOSURE HOURS ESTIMATED.

2304 WAHLUKE SLOPE *

2303 WAHLUKE SLOPE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/25/1995		8.220E-04 (3.030E-04)	2.610E-02 (2.870E-03)
02/07/1995		3.980E-04 (1.990E-04)	2.320E-02 (2.980E-03)
02/21/1995		5.350E-04 (3.160E-04)	1.460E-02 (2.060E-03)
03/07/1995		7.180E-04 (3.310E-04)	2.070E-02 (2.550E-03)
03/21/1995		4.180E-04 (2.770E-04)	8.220E-03 (1.460E-03)
04/04/1995		1.140E-04 (2.010E-04)	1.170E-02 (1.800E-03)
04/18/1995		6.950E-05 (1.800E-04)	6.070E-03 (1.300E-03)
05/02/1995		2.830E-04 (2.350E-04)	1.040E-02 (1.670E-03)
05/16/1995		4.860E-04 (2.930E-04)	1.080E-02 (1.690E-03)
05/30/1995		3.500E-04 (2.540E-04)	1.440E-02 (2.010E-03)
06/13/1995		3.220E-04 (2.360E-04)	9.840E-03 (1.660E-03)
06/27/1995		2.770E-04 (2.400E-04)	7.050E-03 (1.380E-03)
07/11/1995		6.770E-04 (3.270E-04)	1.260E-02 (1.880E-03)
07/25/1995		3.820E-04 (2.620E-04)	1.100E-02 (1.770E-03)
08/08/1995		4.350E-04 (2.820E-04)	9.810E-03 (1.620E-03)
08/22/1995		4.820E-04 (2.900E-04)	< -2.790E-03 (3.370E-04)
09/06/1995		1.500E-04 (2.180E-04)	1.410E-02 (1.970E-03)
09/19/1995		5.340E-04 (3.180E-04)	2.680E-02 (3.340E-03)

2304 WAHLUKE SLOPE *

2303 WAHLUKE SLOPE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/03/1995		6.420E-04 (3.250E-04)	1.940E-02 (2.460E-03)
10/17/1995		3.450E-04 (2.710E-04)	1.090E-02 (1.700E-03)
10/31/1995		3.140E-04 (2.410E-04)	1.320E-02 (1.910E-03)
11/14/1995		1.040E-03 (4.090E-04)	2.240E-02 (2.730E-03)
11/28/1995		3.040E-04 (2.460E-04)	1.480E-02 (2.050E-03)
12/12/1995		2.520E-04 (2.370E-04)	1.450E-02 (2.040E-03)
12/27/1995		9.340E-04 (3.690E-04)	2.880E-02 (3.310E-03)
MEAN		4.513E-04	1.434E-02
MINIMUM		6.950E-05	< -2.790E-03
MAXIMUM		1.040E-03	2.880E-02
2STD. ERR		3.377E-03	2.908E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2301 WAHLUKE SLOPE-WAHLUKE SLOPE, WAHLUKE SLOPE (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/04/1995		1.650E-01 (2.270E-02)	1.640E-05 (1.800E-04)	< -2.480E-04 (2.540E-04)	< .000E+00 (2.160E-04)	1.030E-02 (4.920E-03)	nra	nra	nra
06/27/1995		1.620E-01 (2.570E-02)	< -5.120E-04 (4.810E-04)	1.180E-05 (3.370E-04)	2.730E-05 (3.410E-04)	5.810E-03 (9.080E-03)	nra	nra	nra
10/03/1995		2.200E-01 (2.930E-02)	< -1.910E-05 (3.460E-04)	< -2.520E-05 (2.820E-04)	1.280E-04 (3.110E-04)	2.850E-03 (6.510E-03)	nra	nra	nra
12/27/1995		9.950E-02 (1.610E-02)	1.630E-04 (3.350E-04)	< -6.800E-05 (2.390E-04)	< -2.310E-04 (2.560E-04)	6.560E-03 (6.150E-03)	3.360E-08 (1.470E-07)	3.390E-07 (2.700E-07)	< -4.890E-06 (6.770E-06)
MEAN		1.616E-01	-8.793E-05	-8.235E-05	-1.893E-05	6.380E-03	3.360E-08	3.390E-07	-4.890E-06
MINIMUM		9.950E-02	< -5.120E-04	< -2.480E-04	< -2.310E-04	2.850E-03	3.360E-08	3.390E-07	< -4.890E-06
MAXIMUM		2.200E-01	1.630E-04	1.180E-05	1.280E-04	1.030E-02	3.360E-08	3.390E-07	< -4.890E-06
2STD. ERR		4.926E-02	2.935E-04	1.151E-04	1.517E-04	3.065E-03	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

2324 BASIN CITY SCHOOL *

2323 BASIN CITY SCHOOL

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/24/1995		1.180E-03 (3.420E-04)	3.350E-02 (3.450E-03)
02/07/1995		9.490E-04 (2.940E-04)	2.740E-02 (3.320E-03)
02/21/1995		7.250E-04 (3.420E-04)	1.390E-02 (2.060E-03)
03/07/1995	1	4.900E-04 (2.960E-04)	1.730E-02 (2.380E-03)
03/21/1995		1.580E-04 (1.930E-04)	8.840E-03 (1.500E-03)
04/07/1995		4.510E-04 (2.540E-04)	1.170E-02 (1.730E-03)
04/18/1995		2.290E-04 (2.770E-04)	6.330E-03 (1.430E-03)
05/03/1995		9.550E-04 (3.710E-04)	9.650E-03 (1.610E-03)
05/17/1995		2.840E-04 (2.370E-04)	1.340E-02 (1.960E-03)
05/30/1995		3.780E-04 (2.760E-04)	1.460E-02 (2.100E-03)
06/13/1995		2.360E-04 (2.260E-04)	9.990E-03 (1.630E-03)
06/27/1995		2.440E-04 (2.300E-04)	6.460E-03 (1.280E-03)
07/11/1995		5.480E-04 (2.970E-04)	1.490E-02 (2.070E-03)
07/25/1995		5.780E-04 (3.370E-04)	1.320E-02 (1.910E-03)
08/08/1995		3.820E-04 (2.810E-04)	9.000E-03 (1.580E-03)
08/22/1995		< -8.020E-05 (1.590E-04)	9.010E-03 (1.530E-03)
09/05/1995		4.230E-04 (2.840E-04)	1.570E-02 (2.120E-03)
09/19/1995		3.380E-04 (2.660E-04)	2.230E-02 (2.700E-03)

2324 BASIN CITY SCHOOL *

2323 BASIN CITY SCHOOL

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/03/1995		6.350E-04 (3.420E-04)	1.930E-02 (2.470E-03)
10/17/1995		2.740E-04 (2.690E-04)	1.210E-02 (1.810E-03)
10/31/1995		1.370E-04 (1.900E-04)	1.660E-02 (2.310E-03)
11/14/1995		8.110E-04 (3.720E-04)	1.340E-02 (1.960E-03)
11/28/1995		4.690E-04 (3.020E-04)	1.620E-02 (2.170E-03)
12/12/1995		5.100E-04 (2.940E-04)	1.780E-02 (2.410E-03)
12/25/1995		1.000E-03 (4.090E-04)	2.890E-02 (3.370E-03)
MEAN		4.922E-04	1.526E-02
MINIMUM	<	-8.020E-05	6.330E-03
MAXIMUM		1.180E-03	3.350E-02
2STD. ERR		3.491E-03	2.730E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported

nr - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 NO SAMPLE. CALIBRATOR DID NOT HAVE A QUICK DISCONNECT, THERE WAS NO WAY TO MEASURE FLOWS.

2321 BASIN CITY SCHOOL-BASIN CITY SCHOOL, BASIN CITY SCHOOL (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/07/1995	1	1.460E-01 (2.170E-02)	9.110E-05 (2.250E-04)	< -2.800E-04 (3.180E-04)	8.640E-05 (2.800E-04)	1.280E-02 (5.590E-03)	nra	nra	nra
06/27/1995		1.640E-01 (2.280E-02)	1.450E-05 (3.450E-04)	2.930E-05 (3.000E-04)	4.350E-06 (3.290E-04)	1.740E-02 (6.250E-03)	nra	nra	nra
10/03/1995		1.990E-01 (2.680E-02)	< -6.230E-05 (2.760E-04)	1.730E-04 (2.640E-04)	1.820E-05 (2.930E-04)	1.990E-02 (6.150E-03)	nra	nra	nra
12/25/1995		8.490E-02 (1.370E-02)	1.850E-04 (2.570E-04)	< -8.640E-06 (2.460E-04)	4.380E-05 (2.620E-04)	1.930E-02 (5.910E-03)	< -1.040E-07 (1.110E-07)	4.570E-08 (2.810E-07)	< -1.220E-06 (1.160E-05)
MEAN		1.485E-01	5.708E-05	-2.159E-05	3.819E-05	1.735E-02	-1.040E-07	4.570E-08	-1.220E-06
MINIMUM		8.490E-02	< -6.230E-05	< -2.800E-04	4.350E-06	1.280E-02	< -1.040E-07	4.570E-08	< -1.220E-06
MAXIMUM		1.990E-01	1.850E-04	1.730E-04	8.640E-05	1.990E-02	< -1.040E-07	4.570E-08	< -1.220E-06
2STD. ERR		4.776E-02	1.058E-04	1.892E-04	3.606E-05	3.215E-03	.000E+00	.000E+00	.000E+00

2321 BASIN CITY SCHOOL-BASIN CITY SCHOOL, BASIN CITY SCHOOL (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
04/07/1995		nra	nra	nra	nra
06/27/1995		nra	nra	nra	nra
10/03/1995		nra	nra	nra	nra
12/25/1995		1.650E-05 (3.290E-06)	7.460E-07 (7.260E-07)	1.600E-05 (3.240E-06)	3.325E-05 (4.674E-06)
MEAN		1.650E-05	7.460E-07	1.600E-05	3.325E-05
MINIMUM		1.650E-05	7.460E-07	1.600E-05	3.325E-05
MAXIMUM		1.650E-05	7.460E-07	1.600E-05	3.325E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2323 on 03/07/1995

NO SAMPLE. CALIBRATOR DID NOT HAVE A QUICK DISCONNECT, THERE WAS NO WAY TO MEASURE FLOWS.

Comment for sample 2324 on 03/07/1995

NO SAMPLE. CALIBRATOR DID NOT HAVE A QUICK DISCONNECT, THERE WAS NO WAY TO MEASURE THE FLOWS.

2328 LESLIE GROVES-RCHLND *

2327 LESLIE GROVES-RCHLND

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/24/1995		7.600E-04 (2.830E-04)	2.840E-02 (3.180E-03)
02/07/1995		5.850E-04 (2.240E-04)	2.780E-02 (3.270E-03)
02/21/1995		5.760E-04 (3.140E-04)	1.640E-02 (2.190E-03)
03/07/1995		3.600E-04 (2.610E-04)	2.160E-02 (2.730E-03)
03/21/1995		2.450E-04 (2.320E-04)	8.710E-03 (1.560E-03)
04/04/1995		4.210E-04 (2.880E-04)	1.240E-02 (1.840E-03)
04/18/1995		3.330E-04 (2.550E-04)	7.020E-03 (1.350E-03)
05/02/1995		7.820E-04 (3.680E-04)	1.140E-02 (1.800E-03)
05/16/1995		1.810E-04 (2.110E-04)	1.310E-02 (1.890E-03)
05/30/1995		3.070E-04 (2.390E-04)	1.410E-02 (2.000E-03)
06/13/1995		6.330E-04 (3.240E-04)	1.100E-02 (1.810E-03)
06/27/1995		3.370E-04 (2.560E-04)	7.140E-03 (1.380E-03)
07/11/1995		3.740E-04 (2.610E-04)	1.300E-02 (1.880E-03)
07/25/1995		4.020E-04 (2.760E-04)	1.080E-02 (1.750E-03)
08/08/1995		3.910E-04 (2.780E-04)	9.300E-03 (1.560E-03)
08/22/1995		3.610E-04 (2.600E-04)	8.460E-03 (1.480E-03)
09/05/1995		3.520E-04 (2.630E-04)	1.290E-02 (1.910E-03)
09/19/1995		4.230E-04 (2.760E-04)	2.220E-02 (2.740E-03)

2328 LESLIE GROVES-RCHLND *

2327 LESLIE GROVES-RCHLND

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/03/1995		3.330E-04 (2.520E-04)	1.770E-02 (2.300E-03)
10/17/1995		9.990E-05 (2.280E-04)	1.140E-02 (1.820E-03)
10/31/1995		2.430E-04 (2.510E-04)	1.590E-02 (2.180E-03)
11/14/1995		9.990E-04 (3.950E-04)	2.350E-02 (2.970E-03)
11/28/1995		3.630E-04 (2.700E-04)	1.650E-02 (2.200E-03)
12/12/1995	1	5.250E-04 (3.070E-04)	1.600E-02 (2.220E-03)
12/26/1995		6.640E-04 (3.360E-04)	3.140E-02 (3.730E-03)
MEAN		4.420E-04	1.553E-02
MINIMUM		9.990E-05	7.020E-03
MAXIMUM		9.990E-04	3.140E-02
2STD. ERR		3.355E-03	2.715E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 VERY WET.

2325 LESLIE GROVES-RCHLND-LESLIE GROVES-RCHLND (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	P039-40 PCI/M3	SR-90 PCI/M3
04/04/1995		1.500E-01 (2.230E-02)	< -2.690E-04 (2.840E-04)	< -2.260E-04 (2.550E-04)	2.080E-05 (2.590E-04)	1.390E-02 (5.430E-03)	nra	nra	nra
06/27/1995		1.660E-01 (2.390E-02)	< .000E+00 (4.530E-04)	< -3.160E-04 (3.870E-04)	< -2.400E-05 (3.870E-04)	1.000E-02 (7.930E-03)	nra	nra	nra
10/03/1995		1.930E-01 (2.670E-02)	< -2.350E-04 (2.950E-04)	< -5.820E-05 (2.830E-04)	6.480E-05 (2.770E-04)	3.110E-03 (6.360E-03)	nra	nra	nra
12/26/1995	1	1.080E-01 (1.680E-02)	< -7.800E-05 (2.700E-04)	4.200E-05 (2.510E-04)	< -1.880E-05 (2.820E-04)	9.590E-03 (6.210E-03)	1.550E-07 (2.730E-07)	2.580E-07 (3.530E-07)	< -5.150E-06 (9.810E-06)
MEAN		1.543E-01	-1.455E-04	-1.396E-04	1.070E-05	9.150E-03	1.550E-07	2.580E-07	-5.150E-06
MINIMUM		1.080E-01	< -2.690E-04	< -3.160E-04	< -2.400E-05	3.110E-03	1.550E-07	2.580E-07	< -5.150E-06
MAXIMUM		1.930E-01	< .000E+00	4.200E-05	6.480E-05	1.390E-02	1.550E-07	2.580E-07	< -5.150E-06
2STD. ERR		3.558E-02	1.278E-04	1.614E-04	4.124E-05	4.471E-03	.000E+00	.000E+00	.000E+00

2325 LESLIE GROVES-RCHLND-LESLIE GROVES-RCHLND, LESLIE GROVES-RCHLND (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
04/04/1995		nra	nra	nra	nra
06/27/1995		nra	nra	nra	nra
10/03/1995		nra	nra	nra	nra
12/26/1995		1.610E-05 (3.060E-06)	6.860E-07 (6.920E-07)	1.290E-05 (2.710E-06)	2.969E-05 (4.146E-06)
MEAN		1.610E-05	6.860E-07	1.290E-05	2.969E-05
MINIMUM		1.610E-05	6.860E-07	1.290E-05	2.969E-05
MAXIMUM		1.610E-05	6.860E-07	1.290E-05	2.969E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 Comment for sample 2327 on 12/12/1995
 VERY WET.

2307 PASCO

OFF DATE	COM	BETA PCI/M3
01/24/1995		3.210E-02 (3.330E-03)
02/07/1995		2.890E-02 (3.470E-03)
02/21/1995		1.760E-02 (2.290E-03)
03/07/1995		2.200E-02 (2.690E-03)
03/21/1995		1.040E-02 (1.650E-03)
04/04/1995		1.520E-02 (2.180E-03)
04/18/1995		8.310E-03 (1.510E-03)
05/02/1995		1.110E-02 (1.740E-03)
05/16/1995		1.200E-02 (1.800E-03)
05/30/1995		1.610E-02 (2.150E-03)
06/13/1995		1.170E-02 (1.750E-03)
06/27/1995		8.770E-03 (1.540E-03)
07/11/1995		1.480E-02 (2.040E-03)
07/25/1995		1.420E-02 (1.990E-03)
08/08/1995		1.130E-02 (1.750E-03)
08/22/1995		1.060E-02 (1.690E-03)
09/05/1995		1.960E-02 (2.580E-03)
09/19/1995		2.360E-02 (2.980E-03)

2308 KENNEWICK-ELY STREET

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/26/1995	1	6.460E-04 (2.300E-04)	2.770E-02 (2.930E-03)
02/07/1995		7.990E-04 (2.800E-04)	3.000E-02 (3.680E-03)
02/21/1995	2	2.780E-04 (2.300E-04)	1.650E-02 (2.180E-03)
03/07/1995		7.920E-04 (3.490E-04)	2.010E-02 (2.590E-03)
03/21/1995		5.700E-04 (3.130E-04)	1.020E-02 (1.880E-03)
04/03/1995		7.050E-04 (3.650E-04)	1.400E-02 (2.070E-03)
04/18/1995		5.280E-04 (2.820E-04)	9.670E-03 (1.540E-03)
05/02/1995	3	5.430E-04 (2.930E-04)	1.210E-02 (1.770E-03)
05/15/1995		1.010E-03 (4.120E-04)	1.280E-02 (1.910E-03)
05/30/1995		7.350E-04 (3.180E-04)	1.820E-02 (2.400E-03)
06/13/1995		6.680E-04 (3.150E-04)	1.150E-02 (1.800E-03)
06/27/1995		3.650E-04 (2.630E-04)	1.110E-02 (1.770E-03)
07/11/1995		5.540E-04 (3.000E-04)	1.400E-02 (2.080E-03)
07/25/1995		7.650E-04 (3.520E-04)	1.570E-02 (2.130E-03)
08/08/1995		5.590E-04 (3.020E-04)	1.310E-02 (1.930E-03)
08/22/1995		3.290E-04 (2.780E-04)	1.040E-02 (1.710E-03)
09/05/1995		6.540E-04 (3.380E-04)	1.710E-02 (2.320E-03)
09/19/1995	4	4.000E-04 (2.870E-04)	2.690E-02 (3.150E-03)

2307 PASCO

OFF DATE	COM	BETA PCI/M3
10/03/1995		1.970E-02 (2.500E-03)
10/17/1995		1.370E-02 (1.920E-03)
10/31/1995		1.830E-02 (2.450E-03)
11/14/1995		2.330E-02 (2.880E-03)
11/28/1995		1.890E-02 (2.530E-03)
12/11/1995		nra
12/26/1995		nra
MEAN		1.662E-02
MINIMUM		8.310E-03
MAXIMUM		3.210E-02
2STD. ERR		2.418E-03

2308 KENNEWICK-ELY STREET

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/03/1995		7.220E-04 (3.320E-04)	1.800E-02 (2.430E-03)
10/17/1995		5.480E-04 (2.860E-04)	1.150E-02 (1.730E-03)
10/31/1995		4.500E-04 (2.790E-04)	1.570E-02 (2.100E-03)
11/14/1995	5	4.180E-04 (2.900E-04)	2.030E-02 (2.610E-03)
11/28/1995		3.920E-04 (2.670E-04)	1.790E-02 (2.430E-03)
12/11/1995		4.030E-04 (2.760E-04)	1.550E-02 (2.140E-03)
12/26/1995		8.170E-04 (3.340E-04)	3.430E-02 (3.900E-03)
MEAN		5.860E-04	1.697E-02
MINIMUM		2.780E-04	9.670E-03
MAXIMUM		1.010E-03	3.430E-02
2STD. ERR		3.557E-03	2.613E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 BACK PRESSURE POPPED FILTER DURING THE FLOW MEASUREMENT. FILTER WAS RECEDED AND PRESSURE MEASURED.

2 ON 2/14/95 SWEPT AND BROUGHT UP CLOUDS OF DUST.

3 NEW FILTER WAS UNSIDE DOWN AND HAD CREASE MARKS.

4 JAR COVER CAUSED HOLE IN CENTER OF FILTER.

5 FILTER VERY DARK.

2305 TRI CITIES-PASCO, KENNEWICK-ELY STREET (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
04/04/1995	1	1.840E-01 (2.500E-02)	< -3.340E-04 (3.800E-04)	7.610E-05 (2.760E-04)	1.960E-04 (2.430E-04)	1.360E-02 (5.310E-03)	nra	nra	nra
06/27/1995	2	1.660E-01 (2.490E-02)	1.780E-04 (2.450E-04)	< -1.580E-04 (3.010E-04)	5.370E-05 (3.370E-04)	4.990E-03 (7.800E-03)	nra	nra	nra
10/03/1995	3	2.020E-01 (2.680E-02)	5.230E-04 (2.670E-04)	9.140E-05 (3.020E-04)	1.540E-04 (2.730E-04)	1.180E-02 (6.540E-03)	nra	nra	nra
12/27/1995	4	1.010E-01 (1.610E-02)	5.610E-05 (3.550E-04)	< -1.770E-04 (2.400E-04)	1.810E-05 (2.340E-04)	9.360E-03 (6.430E-03)	5.490E-08 (1.440E-07)	4.120E-07 (2.890E-07)	< -2.090E-06 (5.980E-06)
MEAN		1.633E-01	1.058E-04	-4.188E-05	1.055E-04	9.938E-03	5.490E-08	4.120E-07	-2.090E-06
MINIMUM		1.010E-01	< -3.340E-04	< -1.770E-04	1.810E-05	4.990E-03	5.490E-08	4.120E-07	< -2.090E-06
MAXIMUM		2.020E-01	5.230E-04	9.140E-05	1.960E-04	1.360E-02	5.490E-08	4.120E-07	< -2.090E-06
2STD. ERR		4.403E-02	3.536E-04	1.454E-04	8.340E-05	3.728E-03	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty

which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2308 on 01/26/1995

BACK PRESSURE POPPED FILTER DURING THE FLOW MEASUREMENT. FILTER WAS RECEDED AND PRESSURE MEASURED.

Comment for sample 2308 on 02/21/1995

ON 2/14/95 SWEPT AND BROUGHT UP CLOUDS OF DUST.

2 Comment for sample 2308 on 05/02/1995

NEW FILTER WAS UNSIDE DOWN AND HAD CREASE MARKS.

3 Comment for sample 2308 on 09/19/1995

JAR COVER CAUSED HOLE IN CENTER OF FILTER.

4 Comment for sample 2308 on 11/14/1995

FILTER VERY DARK.

2309 BENTON CITY

OFF DATE	COM	BETA	
		PCI	M3
01/17/1995		3.270E-02	
		(3.850E-03)	
01/31/1995	1	2.730E-02	
		(3.160E-03)	
02/14/1995		1.880E-02	
		(2.410E-03)	
02/28/1995		1.120E-02	
		(1.730E-03)	
03/14/1995		1.720E-02	
		(2.290E-03)	
03/28/1995		9.610E-03	
		(1.580E-03)	
04/10/1995	2	1.300E-02	
		(1.940E-03)	
04/25/1995		8.430E-03	
		(1.430E-03)	
05/09/1995		1.080E-02	
		(1.750E-03)	
05/23/1995		1.240E-02	
		(1.900E-03)	
06/06/1995		1.560E-02	
		(2.120E-03)	
06/20/1995		6.200E-03	
		(1.310E-03)	
07/05/1995		1.230E-02	
		(1.780E-03)	
07/18/1995		1.210E-02	
		(1.940E-03)	
08/01/1995		1.140E-02	
		(1.740E-03)	
08/16/1995		8.830E-03	
		(1.480E-03)	
08/29/1995		1.290E-02	
		(1.930E-03)	
09/12/1995		2.010E-02	
		(2.520E-03)	

2309 BENTON CITY

OFF DATE	COM	BETA	
		PCI	M3
09/27/1995		3.450E-02	(3.750E-03)
10/10/1995		8.670E-03	(1.550E-03)
10/24/1995		1.470E-02	(2.080E-03)
11/07/1995		2.980E-02	(3.570E-03)
11/21/1995		1.040E-02	(1.720E-03)
12/05/1995		1.450E-02	(2.020E-03)
12/19/1995		2.050E-02	(2.680E-03)
01/04/1996		5.920E-02	(5.880E-03)

MEAN		1.743E-02	
MINIMUM		6.200E-03	
MAXIMUM		5.920E-02	
2STD. ERR		4.483E-03	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 RAINING, FILTER WET.
 2 BETA REREPORTED BY LAB ON 2/13/96 TO REFLECT CORRECTION TO SAMPLE ALIQUOT SIZE.

2775 BENTON CITY-BENTON CITY (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3
01/04/1996	1	3.540E-01 (5.840E-02)	7.380E-06 (1.750E-04)	< -2.240E-05 (2.010E-04)	8.870E-05 (1.700E-04)	7.230E-03 (3.980E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2309 on 01/31/1995

RAINING, FILTER WET.

Comment for sample 2309 on 04/10/1995

BETA REREPORTED BY LAB ON 2/13/96 TO REFLECT CORRECTION TO SAMPLE ALIQUOT SIZE.

2331 EDWIN MARKHAM SCHOOL

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/23/1995	1	1.000E-03 (3.180E-04)	3.430E-02 (3.750E-03)
02/07/1995	2	8.810E-04 (2.800E-04)	2.720E-02 (3.130E-03)
02/21/1995		3.130E-04 (2.400E-04)	1.440E-02 (1.990E-03)
03/07/1995		5.370E-04 (2.960E-04)	1.930E-02 (2.430E-03)
03/21/1995	3	4.060E-04 (2.920E-04)	9.000E-03 (1.580E-03)
04/04/1995		4.090E-04 (2.690E-04)	1.260E-02 (1.850E-03)
04/18/1995		2.930E-04 (2.520E-04)	7.290E-03 (1.370E-03)
05/02/1995		8.440E-04 (3.580E-04)	1.120E-02 (1.790E-03)
05/16/1995	4	3.340E-04 (2.450E-04)	1.260E-02 (1.910E-03)
05/30/1995	5	6.770E-04 (3.280E-04)	1.390E-02 (2.040E-03)
06/13/1995	6	3.750E-04 (2.690E-04)	9.610E-03 (1.590E-03)
06/27/1995		6.130E-04 (3.330E-04)	6.910E-03 (1.390E-03)
07/11/1995	7	5.360E-04 (3.000E-04)	1.440E-02 (2.050E-03)
07/25/1995		4.190E-04 (2.950E-04)	1.060E-02 (1.710E-03)
08/08/1995		1.950E-04 (2.180E-04)	9.780E-03 (1.620E-03)
08/22/1995		1.250E-04 (2.300E-04)	8.180E-03 (1.480E-03)
09/05/1995		4.600E-04 (2.940E-04)	1.640E-02 (2.180E-03)
09/19/1995	8	2.870E-04 (2.460E-04)	2.230E-02 (2.700E-03)

2331 EDWIN MARKHAM SCHOOL

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
10/03/1995		6.140E-04 (3.350E-04)	1.710E-02 (2.290E-03)
10/17/1995		7.150E-05 (2.250E-04)	1.010E-02 (1.670E-03)
10/31/1995		4.500E-04 (2.830E-04)	1.340E-02 (1.930E-03)
11/14/1995		7.720E-04 (3.620E-04)	2.320E-02 (2.810E-03)
11/28/1995	9	3.060E-04 (2.470E-04)	1.620E-02 (2.180E-03)
12/12/1995		4.370E-04 (3.080E-04)	1.650E-02 (2.250E-03)
12/22/1995		7.240E-04 (4.060E-04)	2.120E-02 (2.910E-03)
MEAN		4.831E-04	1.511E-02
MINIMUM		7.150E-05	6.910E-03
MAXIMUM		1.000E-03	3.430E-02
2STD. ERR		3.543E-03	2.641E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

- 1 AIR FILTER WET.
- 2 FILTER WET.
- 3 DIRTY WET FILTER HEAD.
- 4 DIRTY FILTER.
- 5 FILTER HEAD DIRTY.
- 6 DIRTY FILTER HEAD.
- 7 FILTER WET AND DUSTY.
- 8 FILTER DIRTY.
- 9 WET AND DIRTY FILTER HEAD.

2329 EDWIN MARKHAM SCHOOL-EDWIN MARKHAM SCHOOL (FILTER1 , PARTICULATE)

OFF DATE	COM	AM-241 PCI/M3	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3
04/04/1995	1	nra	1.520E-01 (2.960E-02)	< -1.640E-04 (5.640E-04)	< -6.340E-05 (3.580E-04)	9.250E-05 (3.270E-04)	2.250E-02 (1.010E-02)	nra	nra
06/27/1995	2	nra	1.430E-01 (2.530E-02)	< -2.110E-04 (5.620E-04)	< -6.400E-04 (5.020E-04)	2.980E-04 (4.630E-04)	1.700E-02 (1.140E-02)	nra	nra
10/03/1995	3	nra	1.910E-01 (3.040E-02)	4.080E-04 (4.930E-04)	< -2.420E-04 (4.640E-04)	< -7.650E-05 (4.590E-04)	2.480E-02 (8.420E-03)	nra	nra
12/22/1995	4	6.070E-08 (5.610E-07)	1.030E-01 (1.970E-02)	1.630E-04 (4.720E-04)	2.960E-04 (5.030E-04)	< .000E+00 (4.950E-04)	3.110E-02 (1.310E-02)	2.770E-07 (6.170E-07)	7.490E-08 (4.590E-07)
MEAN		6.070E-08	1.473E-01	4.900E-05	-1.624E-04	7.850E-05	2.385E-02	2.770E-07	7.490E-08
MINIMUM		6.070E-08	1.030E-01	< -2.110E-04	< -6.400E-04	< -7.650E-05	1.700E-02	2.770E-07	7.490E-08
MAXIMUM		6.070E-08	1.910E-01	4.080E-04	2.960E-04	2.980E-04	3.110E-02	2.770E-07	7.490E-08
2STD. ERR		.000E+00	3.611E-02	2.915E-04	3.892E-04	1.618E-04	5.837E-03	.000E+00	.000E+00

2329 EDWIN MARKHAM SCHOOL-EDWIN MARKHAM SCHOOL (FILTER1 , PARTICULATE)

OFF DATE	COM	SR-90 PCI/M3	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UISO_TOTAL PCI/M3
04/04/1995		nra	nra	nra	nra	nra
06/27/1995		nra	nra	nra	nra	nra
10/03/1995		nra	nra	nra	nra	nra
12/22/1995		2.660E-06 (1.650E-05)	2.630E-05 (6.280E-06)	8.810E-07 (1.340E-06)	2.130E-05 (5.600E-06)	4.848E-05 (8.520E-06)
MEAN		2.660E-06	2.630E-05	8.810E-07	2.130E-05	4.848E-05
MINIMUM		2.660E-06	2.630E-05	8.810E-07	2.130E-05	4.848E-05
MAXIMUM		2.660E-06	2.630E-05	8.810E-07	2.130E-05	4.848E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

* - Analyzed as part of a composite sample only

1 Comment for sample 2331 on 01/23/1995

AIR FILTER WET.

Comment for sample 2331 on 02/07/1995

FILTER WET.

Comment for sample 2331 on 03/21/1995

DIRTY WET FILTER HEAD.

2 Comment for sample 2331 on 05/16/1995

DIRTY FILTER.

Comment for sample 2331 on 05/30/1995

FILTER HEAD DIRTY.

Comment for sample 2331 on 06/13/1995

DIRTY FILTER HEAD.

3 Comment for sample 2331 on 07/11/1995

FILTER WET AND DUSTY.

Comment for sample 2331 on 09/19/1995

FILTER DIRTY.

4 Comment for sample 2331 on 11/28/1995

WET AND DIRTY FILTER HEAD.

2311 MATTAWA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/10/1995		nra	NR
01/24/1995		2.870E-04 (2.360E-04)	nra
02/07/1995		nra	2.000E-02 (2.640E-03)
02/21/1995	1	nra	1.610E-02 (2.440E-03)
03/07/1995		nra	1.800E-02 (2.390E-03)
03/21/1995	2	nra	7.980E-03 (1.430E-03)
04/04/1995		nra	1.380E-02 (2.060E-03)
04/18/1995		nra	7.760E-03 (1.420E-03)
05/02/1995		nra	1.010E-02 (1.690E-03)
05/16/1995	3	nra	1.070E-02 (1.700E-03)
05/30/1995		nra	1.530E-02 (2.120E-03)
06/13/1995	4	nra	1.160E-02 (1.930E-03)
06/27/1995		nra	7.940E-03 (1.480E-03)
07/11/1995		nra	1.560E-02 (2.220E-03)
07/25/1995		nra	1.490E-02 (2.050E-03)
08/08/1995		nra	1.260E-02 (1.880E-03)
08/22/1995		nra	7.500E-03 (1.380E-03)
09/06/1995		nra	1.620E-02 (2.130E-03)

2311 MATTAWA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/19/1995		nra	2.640E-02 (3.130E-03)
10/03/1995		nra	1.980E-02 (2.490E-03)
10/17/1995	5	nra	1.100E-02 (1.690E-03)
10/31/1995		nra	1.090E-02 (1.720E-03)
11/13/1995		nra	2.150E-02 (2.700E-03)
11/27/1995		nra	1.480E-02 (2.080E-03)
12/11/1995		nra	1.670E-02 (2.220E-03)
12/26/1995		nra	2.930E-02 (3.300E-03)
MEAN		2.870E-04	1.485E-02
MINIMUM		2.870E-04	7.500E-03
MAXIMUM		2.870E-04	2.930E-02
2STD. ERR		.000E+00	2.317E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only

1 POWER OUTAGE DUE TO WIND.

2 AIR FILTER BLACK, BURNING OF WEEDS IN AREA.

3 CONSTRUCTION IN AREA AND LOTS OF DIRT.

4 CONSTRUCTION IN AREA.

5 ONLY 54 HOURS ON METER, CALCULATED EXPOSURE HOURS.

2776 MATTAWA-MATTAWA (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3
12/26/1995	1	3.260E-01 (5.250E-02)	1.320E-04 (1.600E-04)	< -8.930E-05 (1.430E-04)	< -1.540E-04 (1.820E-04)	2.590E-03 (3.890E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 Comment for sample 2311 on 02/21/1995
 POWER OUTAGE DUE TO WIND.
 Comment for sample 2311 on 03/21/1995
 AIR FILTER BLACK, BURNING OF WEEDS IN AREA.
 Comment for sample 2311 on 05/16/1995
 CONSTRUCTION IN AREA AND LOTS OF DIRT.
 Comment for sample 2311 on 06/13/1995
 CONSTRUCTION IN AREA.
 Comment for sample 2311 on 10/17/1995
 ONLY 54 HOURS ON METER, CALCULATED EXPOSURE HOURS.

2767 OTHELLO

OFF DATE	COM	BETA
		PCI/M3
01/11/1995		6.180E-02 (6.200E-03)
01/25/1995		1.340E-02 (1.920E-03)
02/07/1995		2.560E-02 (3.060E-03)
02/21/1995		1.530E-02 (2.190E-03)
03/07/1995		2.130E-02 (2.750E-03)
03/21/1995		8.070E-03 (1.490E-03)
04/04/1995		1.140E-02 (1.750E-03)
04/18/1995		6.880E-03 (1.350E-03)
05/02/1995		1.180E-02 (1.780E-03)
05/16/1995		1.220E-02 (1.880E-03)
05/30/1995		1.430E-02 (2.080E-03)
06/13/1995		1.060E-02 (1.690E-03)
06/27/1995		7.840E-03 (1.410E-03)
07/11/1995		1.400E-02 (1.980E-03)
07/25/1995		1.240E-02 (1.820E-03)
08/08/1995		9.420E-03 (1.590E-03)
08/22/1995		8.590E-03 (1.510E-03)
09/06/1995		1.890E-02 (2.480E-03)

2767 OTHELLO

OFF DATE	COM	BETA PCI/M3
09/19/1995		2.560E-02 (3.130E-03)
10/03/1995		2.330E-02 (2.810E-03)
10/17/1995		1.300E-02 (1.960E-03)
10/31/1995		1.720E-02 (2.260E-03)
11/14/1995		2.680E-02 (3.180E-03)
11/27/1995		1.620E-02 (2.190E-03)
12/12/1995		1.750E-02 (2.320E-03)
12/26/1995		3.230E-02 (3.600E-03)
MEAN		1.753E-02
MINIMUM		6.890E-03
MAXIMUM		6.180E-02
2STD. ERR		4.386E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2777 OTHELLO-OTHELLO (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3
12/26/1995		2.920E-01 (6.030E-02)	2.600E-05 (1.330E-04)	3.520E-05 (1.710E-04)	< -8.920E-05 (1.420E-04)	1.280E-02 (3.730E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2316 SUNNYSIDE *

2315 SUNNYSIDE

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/17/1995		1.000E-03 (3.970E-04)	4.890E-02 (5.360E-03)
01/31/1995		5.250E-04 (3.160E-04)	1.950E-02 (2.470E-03)
02/14/1995		2.910E-04 (2.380E-04)	1.460E-02 (2.030E-03)
02/28/1995		2.860E-04 (2.460E-04)	1.080E-02 (1.710E-03)
03/14/1995		6.970E-04 (3.450E-04)	4.740E-03 (1.140E-03)
03/28/1995		3.230E-04 (2.470E-04)	8.300E-03 (1.460E-03)
04/10/1995	1	5.310E-04 (3.180E-04)	1.030E-02 (1.700E-03)
04/25/1995		3.020E-04 (2.320E-04)	8.090E-03 (1.430E-03)
05/09/1995		2.980E-04 (2.660E-04)	1.040E-02 (1.670E-03)
05/23/1995		6.070E-04 (3.080E-04)	1.360E-02 (1.950E-03)
06/06/1995		4.310E-04 (2.800E-04)	1.560E-02 (2.120E-03)
06/20/1995		3.600E-04 (2.500E-04)	6.600E-03 (1.330E-03)
07/05/1995	2	3.010E-04 (2.410E-04)	1.340E-02 (1.960E-03)
07/18/1995		3.920E-04 (2.720E-04)	1.230E-02 (1.880E-03)
08/01/1995	3	1.300E-04 (2.120E-04)	1.060E-02 (1.690E-03)
08/16/1995		1.690E-04 (1.960E-04)	7.850E-03 (1.370E-03)
08/29/1995		4.450E-04 (3.000E-04)	1.060E-02 (1.730E-03)
09/12/1995		2.390E-04 (2.260E-04)	1.550E-02 (2.150E-03)

2315 SUNNYSIDE

2316 SUNNYSIDE *

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/27/1995		8.300E-04 (3.510E-04)	2.820E-02 (3.370E-03)
10/10/1995		1.020E-05 (1.860E-04)	8.070E-03 (1.520E-03)
10/24/1995		1.350E-04 (2.150E-04)	1.430E-02 (2.090E-03)
11/07/1995		5.390E-04 (3.170E-04)	2.480E-02 (3.080E-03)
11/21/1995		3.210E-04 (2.670E-04)	1.120E-02 (1.780E-03)
12/05/1995		6.360E-05 (1.720E-04)	1.540E-02 (2.100E-03)
12/19/1995		5.540E-04 (3.080E-04)	2.130E-02 (2.750E-03)
01/04/1996		1.060E-03 (3.740E-04)	6.080E-02 (6.410E-03)
MEAN		4.167E-04	1.638E-02
MINIMUM		1.020E-05	4.740E-03
MAXIMUM		1.060E-03	6.080E-02
2STD. ERR		3.916E-03	4.976E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 BETA REREPORTED BY LAB ON 2/13/96 TO REFLECT CORRECTION TO SAMPLE ALIQUOT SIZE.

2 ROAD CONSTRUCTION IN AREA.

3 ROTOMETER RESET BUTTON STUCK, EXPOSURE HOURS ESTIMATED.

2313 SUNNYSIDE-SUNNYSIDE, SUNNYSIDE (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
03/28/1995		1.420E-01 (2.000E-02)	3.010E-04 (3.860E-04)	1.970E-04 (1.840E-04)	5.320E-05 (2.010E-04)	3.830E-04 (6.050E-03)	nra	nra	nra
07/05/1995	1	1.870E-01 (2.590E-02)	< -8.160E-05 (3.100E-04)	< -3.390E-04 (3.050E-04)	3.860E-05 (2.940E-04)	7.300E-03 (7.060E-03)	nra	nra	nra
09/27/1995	2	2.520E-01 (3.410E-02)	2.380E-04 (3.300E-04)	1.690E-04 (2.950E-04)	< -1.960E-04 (3.340E-04)	1.560E-02 (6.090E-03)	nra	nra	nra
01/04/1996		1.140E-01 (1.760E-02)	1.660E-04 (2.310E-04)	1.080E-04 (1.880E-04)	6.780E-05 (1.900E-04)	1.710E-02 (5.310E-03)	1.430E-08 (2.940E-07)	5.710E-08 (1.700E-07)	< -1.780E-06 (9.710E-06)
MEAN		1.738E-01	1.559E-04	3.375E-05	-9.100E-06	1.010E-02	1.430E-08	5.710E-08	-1.780E-06
MINIMUM		1.140E-01	< -8.160E-05	< -3.390E-04	< -1.960E-04	3.830E-04	1.430E-08	5.710E-08	< -1.780E-06
MAXIMUM		2.520E-01	3.010E-04	1.970E-04	6.780E-05	1.710E-02	1.430E-08	5.710E-08	< -1.780E-06
2STD: ERR		6.021E-02	1.676E-04	2.513E-04	1.252E-04	7.778E-03	.000E+00	.000E+00	.000E+00

2313 SUNNYSIDE-SUNNYSIDE, SUNNYSIDE (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UISO_TOTAL PCI/M3
03/28/1995		nra	nra	nra	nra
07/05/1995		nra	nra	nra	nra
09/27/1995		nra	nra	nra	nra
01/04/1996		1.860E-05 (3.690E-06)	3.050E-07 (5.290E-07)	1.780E-05 (3.620E-06)	3.671E-05 (5.196E-06)
MEAN		1.860E-05	3.050E-07	1.780E-05	3.671E-05
MINIMUM		1.860E-05	3.050E-07	1.780E-05	3.671E-05
MAXIMUM		1.860E-05	3.050E-07	1.780E-05	3.671E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 Comment for sample 2315 on 04/10/1995
 BETA REREPORTED BY LAB ON 2/13/96 TO REFLECT CORRECTION TO SAMPLE ALIQUOT SIZE.
 Comment for sample 2315 on 07/05/1995
 ROAD CONSTRUCTION IN AREA.
 2 Comment for sample 2315 on 08/01/1995
 ROTOMETER RESET BUTTON STUCK, EXPOSURE HOURS ESTIMATED.
 Comment for sample 2316 on 07/05/1995
 ROAD CONSTRUCTION IN AREA.

2319 YAKIMA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/17/1995		7.960E-04 (3.520E-04)	3.770E-02 (4.110E-03)
01/31/1995		3.660E-04 (2.730E-04)	1.870E-02 (2.520E-03)
02/14/1995		5.010E-04 (2.810E-04)	1.410E-02 (2.070E-03)
02/28/1995		2.440E-04 (2.300E-04)	1.070E-02 (1.730E-03)
03/14/1995		4.470E-04 (2.800E-04)	1.510E-02 (2.170E-03)
03/28/1995		8.490E-05 (1.780E-04)	7.880E-03 (1.470E-03)
04/10/1995	1	5.090E-04 (2.960E-04)	1.040E-02 (1.780E-03)
04/25/1995		5.950E-04 (3.050E-04)	7.400E-03 (1.380E-03)
05/09/1995		3.500E-04 (2.640E-04)	9.810E-03 (1.650E-03)
05/23/1995		3.360E-04 (2.560E-04)	1.120E-02 (1.750E-03)
06/06/1995		4.740E-04 (2.850E-04)	1.610E-02 (2.260E-03)
06/20/1995		2.420E-04 (2.530E-04)	7.100E-03 (1.350E-03)
07/05/1995		3.290E-04 (2.280E-04)	1.140E-02 (1.700E-03)
07/18/1995		4.560E-05 (1.680E-04)	9.790E-03 (1.680E-03)
08/01/1995		5.510E-04 (3.240E-04)	1.130E-02 (1.810E-03)
08/16/1995		1.550E-04 (1.970E-04)	9.710E-03 (1.540E-03)
08/29/1995		1.860E-04 (2.200E-04)	1.070E-02 (1.810E-03)
09/12/1995		2.600E-04 (2.280E-04)	1.750E-02 (2.380E-03)

2319 YAKIMA

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
09/27/1995		5.190E-04 (2.880E-04)	2.860E-02 (3.220E-03)
10/10/1995		3.430E-04 (2.740E-04)	7.090E-03 (1.440E-03)
10/24/1995		1.410E-04 (2.070E-04)	1.210E-02 (1.810E-03)
11/07/1995		4.880E-04 (2.830E-04)	1.950E-02 (2.470E-03)
11/21/1995		1.270E-04 (1.950E-04)	7.440E-03 (1.390E-03)
12/05/1995		9.670E-05 (1.990E-04)	1.360E-02 (2.030E-03)
12/19/1995		7.810E-04 (3.660E-04)	1.550E-02 (2.110E-03)
01/04/1996		9.310E-04 (3.610E-04)	4.230E-02 (4.390E-03)
MEAN		3.807E-04	1.472E-02
MINIMUM		4.560E-05	7.090E-03
MAXIMUM		9.310E-04	4.230E-02
2STD. ERR		3.257E-03	3.480E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 ALPHA REREPORTED BY LAB ON 2/13/96 TO REFLECT CORRECTION TO SAMPLE ALIQUOT SIZE.
BETA REREPORTED BY LAB ON 2/13/96 TO REFLECT CORRECTION TO SAMPLE ALIQUOT SIZE.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/09/1995 TO 01/04/1996
AIR - COMPOSITED SAMPLES

Page 106

2317 YAKIMA-YAKIMA (FILTER1 , PARTICULATE)

OFF DATE	COM	AM-241 PCI/M3	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3
03/28/1995		nra	1.610E-01 (2.750E-02)	< -3.640E-04 (5.110E-04)	2.790E-04 (4.860E-04)	< -2.560E-04 (4.020E-04)	2.790E-02 (1.060E-02)	nra	nra
07/05/1995	1	nra	1.830E-01 (2.800E-02)	3.330E-04 (4.620E-04)	7.380E-05 (4.370E-04)	2.830E-04 (4.080E-04)	3.540E-02 (1.180E-02)	nra	nra
09/27/1995		nra	2.110E-01 (3.290E-02)	2.270E-04 (4.600E-04)	1.610E-04 (5.040E-04)	2.060E-04 (5.540E-04)	5.390E-03 (1.190E-02)	nra	nra
01/04/1996		< -3.410E-07 (3.790E-07)	1.000E-01 (2.670E-02)	3.940E-04 (3.240E-04)	< -2.990E-04 (4.770E-04)	< -5.080E-05 (3.520E-04)	8.390E-03 (9.150E-03)	< -3.810E-09 (4.960E-07)	8.190E-08 (4.760E-07)
MEAN		-3.410E-07	1.638E-01	1.475E-04	5.370E-05	4.555E-05	1.927E-02	-3.810E-09	8.190E-08
MINIMUM		< -3.410E-07	1.000E-01	< -2.990E-04	< -2.990E-04	< -2.560E-04	5.390E-03	< -3.810E-09	8.190E-08
MAXIMUM		< -3.410E-07	2.110E-01	3.940E-04	2.790E-04	2.830E-04	3.540E-02	< -3.810E-09	8.190E-08
2STD. ERR		.000E+00	4.717E-02	3.479E-04	2.497E-04	2.465E-04	1.467E-02	.000E+00	.000E+00

2317 YAKIMA-YAKIMA (FILTER1 , PARTICULATE)

OFF DATE	COM	SR-90 PCI/M3	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
03/28/1995		nra	nra	nra	nra	nra
07/05/1995		nra	nra	nra	nra	nra
09/27/1995		nra	nra	nra	nra	nra
01/04/1996		< -5.850E-06 (1.630E-05)	1.430E-05 (4.410E-06)	4.830E-07 (1.210E-06)	1.810E-05 (5.040E-06)	3.288E-05 (6.805E-06)
MEAN		-5.850E-06	1.430E-05	4.830E-07	1.810E-05	3.288E-05
MINIMUM		< -5.850E-06	1.430E-05	4.830E-07	1.810E-05	3.288E-05
MAXIMUM		< -5.850E-06	1.430E-05	4.830E-07	1.810E-05	3.288E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 Comment for sample 2319 on 04/10/1995

ALPHA REREPORTED BY LAB ON 2/13/96 TO REFLECT CORRECTION TO SAMPLE ALIQUOT SIZE.

Comment for sample 2319 on 04/10/1995

BETA REREPORTED BY LAB ON 2/13/96 TO REFLECT CORRECTION TO SAMPLE ALIQUOT SIZE.

2825 TOPPENISH

OFF DATE	COM	ALPHA		BETA	
		PCI/M3	PCI/M3	PCI/M3	PCI/M3
04/24/1995		1.660E-04 (2.060E-04)	8.800E-03 (1.570E-03)		
05/08/1995		5.830E-04 (3.360E-04)	1.340E-02 (1.960E-03)		
05/22/1995		2.910E-04 (2.360E-04)	1.200E-02 (1.750E-03)		
06/05/1995		3.610E-04 (2.630E-04)	1.570E-02 (2.250E-03)		
06/19/1995		2.800E-04 (2.440E-04)	7.290E-03 (1.390E-03)		
07/03/1995		3.200E-04 (2.670E-04)	1.230E-02 (1.830E-03)		
07/17/1995		2.050E-04 (2.170E-04)	6.910E-03 (1.340E-03)		
07/31/1995		< -3.860E-05 (1.670E-04)	1.120E-02 (1.750E-03)		
08/14/1995		2.240E-05 (1.680E-04)	7.950E-03 (1.470E-03)		
08/28/1995		1.180E-04 (1.850E-04)	1.020E-02 (1.660E-03)		
09/11/1995		3.360E-04 (2.430E-04)	1.640E-02 (2.180E-03)		
09/25/1995		4.740E-04 (2.940E-04)	2.700E-02 (3.130E-03)		
10/09/1995		6.680E-05 (1.850E-04)	8.200E-03 (1.470E-03)		
10/23/1995		1.820E-04 (2.220E-04)	1.090E-02 (1.750E-03)		
11/06/1995		4.060E-04 (2.790E-04)	2.150E-02 (2.700E-03)		
11/20/1995		1.220E-04 (2.050E-04)	8.230E-03 (1.470E-03)		
12/04/1995		2.000E-04 (2.230E-04)	1.320E-02 (1.980E-03)		
12/18/1995		6.770E-04 (3.270E-04)	1.840E-02 (2.360E-03)		

2825 TOPPENISH

OFF DATE	COM	ALPHA PCI/M3	BETA PCI/M3
01/01/1996		1.440E-03 (4.760E-04)	5.280E-02 (5.720E-03)
MEAN		3.269E-04	1.486E-02
MINIMUM	<	-3.860E-05	6.910E-03
MAXIMUM		1.440E-03	5.280E-02
2STD. ERR		2.676E-03	4.849E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis.
 * - Analyzed as part of a composite sample only

2823 TOPPENISH-TOPPENISH (FILTER1 , PARTICULATE)

OFF DATE	COM	BE-7 PCI/M3	CO-60 PCI/M3	CS-134 PCI/M3	CS-137 PCI/M3	K-40 PCI/M3	PU-238 PCI/M3	PU39-40 PCI/M3	SR-90 PCI/M3
07/03/1995		1.640E-01 (2.640E-02)	2.280E-04 (4.740E-04)	3.570E-04 (5.170E-04)	< -3.730E-04 (4.840E-04)	2.410E-02 (1.170E-02)	nra	nra	nra
09/25/1995		2.110E-01 (3.490E-02)	1.530E-04 (4.420E-04)	3.360E-04 (4.230E-04)	1.660E-04 (4.760E-04)	1.320E-02 (1.060E-02)	nra	nra	nra
01/01/1996		9.220E-02 (2.060E-02)	< -3.000E-05 (5.700E-04)	5.550E-04 (2.940E-04)	9.610E-05 (3.790E-04)	3.230E-02 (9.910E-03)	4.710E-08 (5.170E-07)	1.230E-08 (1.160E-06)	< -1.340E-05 (2.420E-05)
MEAN		1.557E-01	1.170E-04	4.160E-04	-3.697E-05	2.320E-02	4.710E-08	1.230E-08	-1.340E-05
MINIMUM		9.220E-02	< -3.000E-05	3.360E-04	< -3.730E-04	1.320E-02	4.710E-08	1.230E-08	< -1.340E-05
MAXIMUM		2.110E-01	2.280E-04	5.550E-04	1.660E-04	3.230E-02	4.710E-08	1.230E-08	< -1.340E-05
2STD. ERR		6.909E-02	1.532E-04	1.395E-04	3.384E-04	1.106E-02	.000E+00	.000E+00	.000E+00

2823 TOPPENISH-TOPPENISH (FILTER1 , PARTICULATE)

OFF DATE	COM	U-234 PCI/M3	U-235 PCI/M3	U-238 PCI/M3	UIISO_TOTAL PCI/M3
07/03/1995		nra	nra	nra	nra
09/25/1995		nra	nra	nra	nra
01/01/1996		1.450E-05 (4.960E-06)	1.060E-06 (1.760E-06)	1.300E-05 (4.680E-06)	2.856E-05 (7.043E-06)
MEAN		1.450E-05	1.060E-06	1.300E-05	2.856E-05
MINIMUM		1.450E-05	1.060E-06	1.300E-05	2.856E-05
MAXIMUM		1.450E-05	1.060E-06	1.300E-05	2.856E-05
2STD. ERR		.000E+00	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

2157 RINGOLD MET TOWER (HALOGEN , CHARCOAL CARTRIDGE)

I-131

OFF DATE	COM	PCI/M3
01/11/1995	<	-4.500E-03 (6.040E-03)
01/25/1995		3.390E-03 (3.670E-03)
02/08/1995		3.140E-03 (3.410E-03)
02/22/1995	<	-2.550E-03 (4.280E-03)
03/08/1995		8.950E-04 (3.560E-03)
03/23/1995		4.770E-03 (3.180E-03)
04/05/1995	<	-2.300E-03 (5.420E-03)
04/19/1995	1	<-1.380E-04 (4.430E-03)
05/03/1995		9.030E-04 (3.950E-03)
05/17/1995	2	<-8.330E-02 (9.690E-02)
05/31/1995	<	-2.850E-03 (3.640E-03)
MEAN		-7.504E-03
MINIMUM	<	-8.330E-02
MAXIMUM		4.770E-03
2STD. ERR		1.526E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only
1 I-131 RESULT MODIFIED BY LAB PER 3/11/96 DATA REPORT.
2 NO SAMPLE. POSSIBLE POWER OUTAGE.

2163 BYERS LANDING (HALOGEN , CHARCOAL CARTRIDGE)

OFF DATE	COM	PCI/M3
01/11/1995		1.540E-03 (5.260E-03)
01/25/1995		2.180E-03 (4.320E-03)
02/08/1995		< -9.300E-04 (4.490E-03)
02/22/1995		< -1.300E-04 (4.170E-03)
03/08/1995		< -5.210E-04 (4.290E-03)
03/23/1995		3.570E-04 (3.240E-03)
04/05/1995		5.340E-04 (4.850E-03)
04/19/1995	1	5.900E-03 (3.650E-03)
05/03/1995		< .000E+00 (3.710E-03)
05/17/1995		2.340E-03 (3.260E-03)
05/31/1995		< -6.560E-04 (4.150E-03)
MEAN		9.649E-04
MINIMUM		< -9.300E-04
MAXIMUM		5.900E-03
2STD..ERR		1.193E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only
1 I-131 RESULT MODIFIED BY LAB PER 3/11/96 DATA REPORT.

2164 EDWIN MARKHAM SCHOOL (HALOGEN , CHARCOAL_CARTRIDGE)

OFF DATE	COM	PCI/M3
01/23/1995		2.460E-03 (4.290E-03)
02/07/1995		2.660E-03 (4.510E-03)
02/21/1995		< -2.150E-03 (3.880E-03)
03/07/1995		< -2.480E-03 (4.150E-03)
03/21/1995		< -3.380E-03 (5.050E-03)
04/04/1995		2.380E-03 (5.270E-03)
04/18/1995	1	< -1.140E-03 (4.660E-03)
05/02/1995		2.230E-03 (4.250E-03)
05/16/1995		1.060E-03 (3.510E-03)
05/30/1995		< -3.710E-03 (4.980E-03)
MEAN		-2.070E-04
MINIMUM		< -3.710E-03
MAXIMUM		2.660E-03
2STD. ERR		1.656E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only
1 I-131 RESULT MODIFIED BY LAB PER 3/11/96 DATA REPORT.

2165 YAKIMA (HALOGEN , CHARCOAL CARTRIDGE)

OFF DATE	COM	I-131 PCI/M3
01/17/1995		3.950E-03 (4.220E-03)
01/31/1995		8.360E-04 (3.330E-03)
02/14/1995		< -3.160E-03 (4.660E-03)
02/28/1995		2.600E-03 (3.040E-03)
03/14/1995		2.020E-03 (3.790E-03)
03/28/1995		1.810E-03 (4.120E-03)
04/10/1995		< -2.490E-03 (4.470E-03)
04/25/1995		2.600E-03 (3.390E-03)
05/09/1995		< -7.180E-04 (3.610E-03)
05/23/1995		2.480E-03 (3.200E-03)
MEAN		9.928E-04
MINIMUM		< -3.160E-03
MAXIMUM		3.950E-03
2STD. ERR		1.493E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2200 200 ESE (HALOGEN , CHARCOAL_CARTRIDGE)

I-129	
OFF DATE	COM
04/04/1995	2.544E-05 (1.832E-06)
06/27/1995	3.894E-05 (3.661E-06)
09/19/1995	5.023E-05 (1.195E-05)
12/27/1995	4.518E-05 (3.072E-06)
MEAN	3.995E-05
MINIMUM	2.544E-05
MAXIMUM	5.023E-05
2STD. ERR	1.072E-05

2202 RINGOLD MET TOWER (HALOGEN , CHARCOAL_CARTRIDGE)

I-129	
OFF DATE	COM
03/23/1995	4.210E-07 (4.463E-08)
07/12/1995	6.250E-07 (6.250E-08)
10/04/1995	5.700E-07 (9.348E-08)
12/28/1995	7.370E-07 (8.402E-08)
MEAN	5.883E-07
MINIMUM	4.210E-07
MAXIMUM	7.370E-07
2STD. ERR	1.314E-07

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2204 BYERS LANDING (HALOGEN , CHARCOAL_CARTRIDGE)

I-129
 OFF DATE COM PCI/M3

 03/23/1995 1.622E-06
 (8.759E-08)
 07/12/1995 8.160E-07
 (5.549E-08)
 10/04/1995 1.603E-06
 (3.559E-07)
 12/28/1995 2.344E-06
 (2.813E-07)

 MEAN 1.596E-06
 MINIMUM 8.160E-07
 MAXIMUM 2.344E-06
 2STD. ERR 6.241E-07

2206 YAKIMA (HALOGEN , CHARCOAL_CARTRIDGE)

I-129
 OFF DATE COM PCI/M3

 03/28/1995 5.600E-08
 (5.376E-09)
 06/20/1995 3.800E-08
 (3.876E-09)
 10/10/1995 3.400E-08
 (1.530E-08)
 01/04/1996 1.200E-08
 (1.776E-09)

 MEAN 3.500E-08
 MINIMUM 1.200E-08
 MAXIMUM 5.600E-08
 2STD. ERR 1.807E-08

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2208 100 K AREA (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM	
		PCI/M3	
01/18/1995		1.080E+00	
		(1.260E+00)	
02/15/1995		5.540E-01	
		(1.170E+00)	
03/15/1995		9.460E-01	
		(1.010E+00)	
04/12/1995		5.540E-01	
		(8.660E-01)	
05/10/1995	1	3.160E-01	
		(9.860E-01)	
06/07/1995		9.240E-01	
		(1.250E+00)	
07/05/1995		1.490E-01	
		(1.460E+00)	
08/02/1995		5.990E-01	
		(1.720E+00)	
08/30/1995		6.650E-01	
		(1.550E+00)	
09/27/1995		2.390E+00	
		(2.010E+00)	
10/25/1995		4.060E+00	
		(1.920E+00)	
11/22/1995		6.730E-01	
		(1.060E+00)	
12/20/1995		9.010E+00	
		(8.270E+00)	
01/02/1996		7.780E-01	
		(1.080E+00)	
MEAN		1.621E+00	
MINIMUM		1.490E-01	
MAXIMUM		9.010E+00	
2STD. ERR		1.259E+00	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 LOW EXPOSURE HOURS DUE TO POWER OUTAGE.

2209 100 N-1325 CRIB (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/18/1995		8.530E-01 (1.230E+00)
02/15/1995		1.040E+00 (1.120E+00)
03/15/1995		2.520E-01 (1.030E+00)
04/12/1995		8.620E-01 (8.890E-01)
05/10/1995		9.510E-01 (1.150E+00)
06/07/1995		6.450E-01 (1.500E+00)
07/05/1995		1.220E+00 (1.370E+00)
08/02/1995		5.270E-01 (1.190E+00)
08/30/1995		4.090E-01 (1.540E+00)
09/27/1995		1.850E+00 (1.640E+00)
10/25/1995		5.520E-01 (1.410E+00)
11/22/1995		1.550E+00 (1.160E+00)
12/20/1995		5.290E+00 (1.130E+01)
01/02/1996		5.720E-01 (1.180E+00)
MEAN		1.184E+00
MINIMUM		2.520E-01
MAXIMUM		5.290E+00
2STD. ERR		6.744E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

(WATER VAPOR , SILICA_GEL_HTO)

2210 200 ESE

OFF DATE	COM	TRITIUM PCI/M3
02/07/1995		< -6.500E-01 (1.300E+00)
03/07/1995		6.230E-01 (9.100E-01)
04/04/1995		1.310E+00 (1.090E+00)
05/02/1995		6.080E-01 (1.190E+00)
05/30/1995	1	NR
06/27/1995		1.440E+00 (1.550E+00)
07/25/1995	2	NR
08/22/1995		1.090E-01 (1.550E-01)
09/19/1995		1.550E+00 (1.370E+00)
10/17/1995		1.120E+00 (1.500E+00)
11/14/1995		4.170E-01 (9.190E-01)
12/12/1995		1.000E+00 (1.260E+00)
12/27/1995		1.070E+01 (1.000E+01)
MEAN		1.657E+00
MINIMUM		< -6.500E-01
MAXIMUM		1.070E+01
2STD. ERR		1.850E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 NO SAMPLE. VALVE CLOSED.
 2 NO SAMPLE. INSTALLED NEW HOSE CLAMP, ALL COLUMNS DARK BLUE.

2211 200 TEL. EXCHANGE (WATER VAPOR , SILICA_GEL_HTO)

TRITIUM	
OFF DATE	COM PCI/M3
01/24/1995	1.210E+00 (1.190E+00)
02/21/1995	1.060E+00 (1.350E+00)
03/21/1995	2.630E+00 (6.820E+00)
04/18/1995	1.450E+00 (1.060E+00)
05/16/1995	3.170E-01 (1.190E+00)
06/12/1995	1.910E+00 (1.470E+00)
07/11/1995	1 2.370E+01 (1.960E+01)
08/08/1995	< -1.690E-01 (9.040E-01)
09/06/1995	1.410E+01 (1.200E+01)
10/03/1995	1.260E+00 (1.650E+00)
11/01/1995	2.810E-01 (1.130E+00)
11/28/1995	8.050E-01 (1.540E+00)
12/27/1995	5.090E+00 (8.630E+00)
MEAN	4.126E+00
MINIMUM	< -1.690E-01
MAXIMUM	2.370E+01
2STD. ERR	3.866E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 LOW EXPOSURE HOURS, BREAKER TRIPPED.

2212 300 SOUTH GATE (WATER VAPOR , SILICA_GEL_HTO)

TRITIUM	
OFF DATE	COM
PCI/M3	
02/08/1995	< -2.270E-02 (3.480E-01)
03/08/1995	< -5.620E-03 (7.980E-01)
04/05/1995	3.450E+00 (1.550E+00)
05/03/1995	6.430E-01 (7.370E-01)
05/31/1995	4.530E-02 (2.420E-01)
06/28/1995	2.520E+00 (1.850E+00)
07/27/1995	1.590E+00 (1.450E+00)
08/23/1995	6.850E-01 (1.170E+00)
09/20/1995	1.480E+00 (9.750E-01)
10/18/1995	1.550E+00 (1.370E+00)
11/15/1995	1.620E-01 (8.080E-01)
12/12/1995	2.860E+00 (2.780E+00)
12/29/1995	6.970E-01 (9.070E-01)
MEAN	1.204E+00
MINIMUM	< -2.270E-02
MAXIMUM	3.450E+00
2STD. ERR	6.425E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2213 300 TRENCH (WATER VAPOR , SILICA_GEL_HTO)

TRITIUM	
OFF DATE	COM PCI/M3
02/08/1995	< -8.230E-01 (1.770E+00)
03/08/1995	< -5.190E-02 (5.090E-01)
04/05/1995	1 2.220E+00 (9.550E-01)
05/03/1995	1.360E+00 (1.310E+00)
05/31/1995	< -2.180E-01 (1.160E+00)
06/28/1995	1.190E+00 (1.250E+00)
07/27/1995	2 NR
08/23/1995	3 1.360E+00 (1.800E+00)
09/20/1995	1.850E+00 (1.390E+00)
10/18/1995	1.700E+00 (1.840E+00)
11/15/1995	1.380E+00 (1.430E+00)
12/12/1995	4 9.700E-01 (1.450E+00)
12/29/1995	5 NR
MEAN	9.943E-01
MINIMUM	< -8.230E-01
MAXIMUM	2.220E+00
2STD. ERR	5.738E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only
1 POWER OUT AT SAMPLING STATION.
2 NO SAMPLE. DISCONNECT WAS LOOSE.
3 ZERO. END FLOW AND LOW EXPOSURE HOURS.
4 POWER OUTAGE.
5 NO SAMPLE. POWER OUTAGE.

2215 300 NE (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
02/08/1995		< -9.730E-01 (1.580E+00)
03/08/1995		1.940E-01 (9.500E-01)
04/05/1995	1	4.520E+00 (1.410E+00)
05/03/1995		1.720E+00 (1.390E+00)
05/31/1995		6.670E-01 (1.480E+00)
06/28/1995		1.570E+00 (1.300E+00)
07/27/1995		2.790E+00 (1.640E+00)
08/23/1995		1.360E+00 (1.390E+00)
09/20/1995		1.900E+00 (1.390E+00)
10/18/1995		1.480E+00 (1.540E+00)
11/15/1995		4.350E-01 (9.650E-01)
12/12/1995		1.000E+00 (1.050E+00)
12/29/1995		1.910E+00 (1.110E+00)
MEAN		1.429E+00
MINIMUM		< -9.730E-01
MAXIMUM		4.520E+00
2STD. ERR		7.341E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 POWER OUT AT SAMPLING STATION.

2216 400 E (WATER VAPOR , SILICA_GEL_HTO)

TRITIUM	
OFF DATE	COM
PC1/M3	
02/08/1995	< -1.400E+00 (1.270E+00)
03/08/1995	< -4.680E-01 (1.100E+00)
04/05/1995	1.100E+00 (9.440E-01)
05/03/1995	4.850E-01 (1.220E+00)
05/31/1995	4.870E-01 (1.030E+00)
06/28/1995	1.580E+00 (1.520E+00)
07/27/1995	5.730E-01 (1.550E+00)
08/23/1995	1 NR
09/20/1995	6.190E-01 (6.570E-01)
10/18/1995	2.080E-01 (1.340E+00)
11/15/1995	8.040E-02 (1.050E+00)
12/12/1995	1.280E+00 (7.990E-01)
12/29/1995	4.600E-01 (6.150E-01)
MEAN	4.170E-01
MINIMUM	< -1.400E+00
MAXIMUM	1.580E+00
2STD. ERR	4.567E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only
1 NO SAMPLE. FLOW RATE ZERO.

2217 RINGOLD MET TOWER (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/25/1995		1.200E+00 (1.050E+00)
02/22/1995		2.810E+00 (2.730E+00)
03/23/1995		1.380E-01 (8.260E+00)
04/19/1995		< -2.920E-01 (7.570E-01)
05/17/1995	1	1.370E+00 (1.460E+00)
06/14/1995		2.560E+00 (1.590E+00)
07/12/1995		1.100E+01 (2.100E+01)
08/09/1995		7.470E-01 (1.320E+00)
09/07/1995		9.120E+00 (1.050E+01)
10/04/1995	2	NR
11/01/1995		1.030E-01 (1.730E+00)
11/29/1995		1.590E-01 (1.040E+00)
12/28/1995		3.150E+00 (7.510E+00)
MEAN		2.672E+00
MINIMUM		< -2.920E-01
MAXIMUM		1.100E+01
2STD. ERR		2.110E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 POSSIBLE POWER OUTAGE, LOW EXPOSURE HOURS.
 2 NO SAMPLE. NO SILICA GEL COLUMN INSTALLED.

2218 DOGWOOD MET TOWER (WATER VAPOR , SILICA_GEL_HTO)

TRITIUM		
OFF DATE	COM	PCI/M3
01/25/1995		5.950E-01 (1.040E+00)
02/22/1995		4.760E+00 (1.490E+00)
03/23/1995		7.400E+00 (8.940E+00)
04/19/1995		4.890E-01 (8.550E-01)
05/17/1995	1	7.580E-01 (1.360E+00)
06/14/1995		1.300E+00 (1.150E+00)
07/12/1995		5.010E+00 (2.190E+01)
08/09/1995		1.680E+00 (2.210E+00)
09/07/1995		9.480E-02 (1.140E+01)
10/04/1995		2.200E+00 (2.060E+00)
11/01/1995		< -1.450E-01 (1.370E+00)
11/29/1995		3.800E-01 (1.230E+00)
12/28/1995		2.210E+00 (8.270E+00)
MEAN		2.056E+00
MINIMUM		< -1.450E-01
MAXIMUM		7.400E+00
2STD. ERR		1.272E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 PLOWING OCCURRING IN FIELD NEXT TO SAMPLER.

2219 BYERS LANDING (WATER VAPOR , SILICA_GEL_HTO)

TRITIUM	
OFF DATE	COM

01/25/1995	4.480E-01 (9.510E-01)
02/22/1995	9.740E-01 (1.260E+00)
03/23/1995	5.630E+00 (7.990E+00)
04/19/1995	< -2.520E-01 (1.130E+00)
05/17/1995	3.420E-01 (1.340E+00)
06/14/1995	2.920E-01 (1.480E-01)
07/12/1995	1.210E+01 (2.160E+01)
08/09/1995	< -1.870E-01 (1.840E+00)
09/07/1995	3.680E+00 (8.340E+00)
10/04/1995	1.750E+00 (1.900E+00)
11/01/1995	3.420E-01 (1.310E+00)
11/29/1995	1.270E+00 (1.220E+00)
12/28/1995	6.780E+00 (1.020E+01)

MEAN	2.551E+00
MINIMUM	< -2.520E-01
MAXIMUM	1.210E+01
2STD. ERR	2.021E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2220 PROSSER BARRICADE (WATER VAPOR , SILICA_GEL_HTO)

TRITIUM	
OFF DATE	COM PCI/M3
02/08/1995	< -2.000E+00 (1.820E+00)
03/08/1995	< -9.750E-02 (1.530E+00)
04/05/1995	1.130E+00 (9.540E-01)
05/03/1995	3.710E-01 (7.080E-01)
05/31/1995	1 5.970E-01 (7.280E-01)
06/28/1995	7.360E-01 (4.370E-01)
07/27/1995	6.040E-03 (3.290E-01)
08/23/1995	2 < -3.010E-03 (1.970E-01)
09/20/1995	7.150E-01 (7.410E-01)
10/18/1995	2.790E-01 (5.390E-01)
11/15/1995	< -8.490E-03 (4.490E-01)
12/12/1995	3.000E-01 (4.280E-01)
12/29/1995	3 NR

MEAN	1.688E-01
MINIMUM	< -2.000E+00
MAXIMUM	1.130E+00
2STD. ERR	4.492E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 PRE-FILTER AND HEAD GONE, REPLACED.
 2 CONNECTOR NOT ENTIRELY IN.
 3 NO SAMPLE. ALL THREE COLUMNS BLUE IN COLOR.

2221 WAHLUKE SLOPE (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/25/1995		2.570E-01 (4.950E-01)
02/21/1995		4.230E-01 (8.860E-01)
03/21/1995		3.230E+00 (4.350E+00)
04/18/1995		4.720E-01 (8.320E-01)
05/16/1995		4.510E-01 (2.780E-01)
06/13/1995	1	NR
07/11/1995		1.130E+00 (1.860E+00)
08/08/1995		1.300E-01 (1.300E+00)
09/06/1995		1.050E+01 (1.280E+01)
10/03/1995		3.680E-01 (1.480E+00)
10/31/1995		< -8.540E-02 (1.120E+00)
11/28/1995		5.670E-01 (1.090E+00)
12/27/1995		3.370E+00 (8.170E+00)
MEAN		1.734E+00
MINIMUM		< -8.540E-02
MAXIMUM		1.050E+01
2STD. ERR		1.727E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 NO SAMPLE. ZERO END FLOW.

2222 BASIN CITY SCHOOL (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM	
		PCI	M3
01/24/1995		8.800E-01	
		(1.290E+00)	
02/21/1995		1.930E+00	
		(1.160E+00)	
03/21/1995		9.290E+00	
		(1.110E+01)	
04/19/1995		1.720E-01	
		(3.660E-01)	
05/17/1995		2.890E-01	
		(1.560E+00)	
06/13/1995		2.040E+00	
		(2.680E+00)	
07/11/1995		3.110E+00	
		(1.730E+01)	
08/08/1995		< -2.280E-01	
		(1.220E+00)	
09/05/1995		1.190E+01	
		(1.440E+01)	
10/03/1995		1.980E-01	
		(2.450E-01)	
10/31/1995		3.240E-01	
		(1.110E+00)	
11/28/1995		2.340E+00	
		(1.840E+00)	
12/25/1995		4.350E-01	
		(1.100E+00)	
MEAN		2.514E+00	
MINIMUM		< -2.280E-01	
MAXIMUM		1.190E+01	
2STD. ERR		2.088E+00	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only

2223 LESLIE GROVES-RCHLND (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/24/1995	1	5.710E-01 (1.080E+00)
02/21/1995	2	6.760E-02 (1.060E+00)
03/21/1995		4.240E+00 (9.740E+00)
04/19/1995		3.880E-01 (8.920E-01)
05/17/1995	3	4.170E-01 (2.170E+00)
06/13/1995		2.310E-01 (1.240E+00)
07/11/1995		2.550E+00 (1.600E+01)
08/08/1995		8.780E-01 (1.450E+00)
09/05/1995		1.630E+01 (1.460E+01)
10/03/1995		1.710E+00 (1.560E+00)
10/31/1995		< -1.430E-01 (1.020E+00)
11/28/1995		4.650E-01 (1.220E+00)
12/26/1995		4.070E-01 (9.610E-01)
MEAN		2.160E+00
MINIMUM		< -1.430E-01
MAXIMUM		1.630E+01
2STD. ERR		2.451E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 LOWER RIGHT NIPPLE WAS VERY LOOSE BUT AIR FLOW WAS OKAY.
 2 Columns 1 & 2 appear unused, Column 3 loose cap.
 3 SILICA GEL CHANGED DAY LATER THAN FILTERS.

2224 EDWIN MARKHAM SCHOOL (WATER VAPOR , SILICA_GEL_HTO)

TRITIUM	
OFF DATE	COM PCI/M3
01/23/1995	5.520E-01 (8.330E-01)
02/21/1995	< .000E+00 (1.040E+00)
03/21/1995	6.710E+00 (8.530E+00)
04/19/1995	4.850E-01 (7.930E-01)
05/17/1995	1 < -5.290E-01 (2.260E+00)
06/13/1995	1.040E+00 (1.370E+00)
07/11/1995	6.410E+00 (1.640E+01)
08/08/1995	2.900E-01 (1.490E+00)
09/05/1995	1.570E+01 (1.550E+01)
10/03/1995	2 1.950E+00 (1.540E+00)
10/31/1995	< -4.520E-01 (1.040E+00)
11/28/1995	6.400E-01 (1.200E+00)
12/22/1995	8.100E-01 (9.920E-01)
01/10/1996	3 5.570E-01 (9.900E-01)
MEAN	2.440E+00
MINIMUM	< -5.290E-01
MAXIMUM	1.570E+01
2STD. ERR	2.375E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 SILICA GEL CHANGED DAY LATER THAN FILTERS.
 2 SILICA GEL UNIFORM IN COLOR.
 3 FIRST AND THIRD COLUMNS ARE SLIGHTLY DISCOLORED.

2225 SUNNYSIDE (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/17/1995		7.160E-01 (1.000E+00)
02/14/1995		< -2.890E+00 (3.290E+00)
03/14/1995		7.440E-01 (1.020E+00)
04/10/1995		3.970E-01 (1.160E+00)
05/09/1995		5.250E-01 (1.200E+00)
06/06/1995		2.070E-01 (1.200E+00)
07/05/1995	1	1.230E+00 (1.570E+00)
08/01/1995	2	8.940E-01 (1.700E+00)
08/29/1995		< -7.680E-02 (1.440E+00)
09/27/1995		< -5.480E-01 (1.730E+00)
10/24/1995		1.780E+00 (1.730E+00)
11/21/1995	3	NR
12/19/1995		3.890E-01 (1.110E+00)
01/04/1996		3.220E-01 (1.070E+00)
MEAN		2.838E-01
MINIMUM		< -2.890E+00
MAXIMUM		1.780E+00
2STD. ERR		6.179E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
* - Analyzed as part of a composite sample only
1 ROAD CONSTRUCTION IN AREA.
2 ROTOMETER RESET BUTTON STUCK, EXPOSURE HOURS ESTIMATED.
3 NO SAMPLE. BOTTOM DISCONNECT NOT ON, COLUMNS APPEAR UNUSED.

2226 YAKIMA (WATER VAPOR , SILICA_GEL_HTO)

OFF DATE	COM	TRITIUM PCI/M3
01/17/1995		7.370E-01 (6.080E-01)
02/14/1995		< -6.230E-01 (6.370E-01)
03/14/1995		1.460E+00 (1.410E+00)
04/10/1995		5.930E-01 (1.070E+00)
05/09/1995		9.530E-01 (1.400E+00)
06/06/1995		4.730E-01 (1.130E+00)
07/05/1995		6.510E-01 (1.590E+00)
08/01/1995		< -2.030E-01 (1.620E+00)
08/29/1995		1.780E+00 (4.020E+00)
09/27/1995		7.470E-01 (1.880E+00)
10/24/1995		6.630E-01 (1.910E+00)
11/21/1995	1	3.530E+00 (4.540E+00)
12/19/1995		8.360E-01 (1.980E+00)
01/04/1996		1.130E+00 (2.230E+00)
MEAN		9.091E-01
MINIMUM		< -6.230E-01
MAXIMUM		3.530E+00
2STD. ERR		5.145E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

* - Analyzed as part of a composite sample only

1 TRITIUM REFER TO 12/18/95 INCIDENT REPORT REGARDING SAMPLE BEING SATURATED WITH WATER WHILE IN THE FIELD.

2826 TOPPENISH (WATER VAPOR , SILICA_GEL_HTO)

TRITIUM		PCI/M3	
OFF DATE	COM		
05/08/1995	1	5.240E+00	(5.040E+00)
06/05/1995		9.450E-01	(1.430E+00)
07/03/1995		1.150E+00	(1.370E+00)
07/31/1995		5.480E-02	(1.250E+00)
08/28/1995		< -3.350E-01	(1.480E+00)
09/25/1995		1.280E+00	(1.780E+00)
10/23/1995		3.580E-01	(1.330E+00)
11/20/1995		1.100E+00	(1.320E+00)
12/18/1995	2	7.060E-01	(1.680E+00)

MEAN		1.167E+00	
MINIMUM		< -3.350E-01	
MAXIMUM		5.240E+00	
2STD. ERR		1.081E+00	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 * - Analyzed as part of a composite sample only
 1 NO SAMPLE. ZERO END FLOW.
 2 TRITIUM AIR INTAKE CLOGGED WITH ICE.



Surface Water

2173 RICHLAND PUMP HOUSE (UNFILTERED , CUMULATIVE , RIVER)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L
02/07/1995		2.520E-01 (4.080E-01)	1.690E+00 (1.460E+00)	< -4.960E-02 (8.590E-01)	1.070E-01 (1.280E+00)	8.410E-02 (3.690E-02)	1.260E-01 (5.260E-01)	9.270E+01 (1.280E+01)	2.590E-01 (5.510E-02)
03/07/1995		1.470E+00 (8.470E-01)	< -2.950E-01 (1.240E+00)	< -1.460E-01 (1.060E+00)	< -2.660E-01 (1.050E+00)	1.020E-01 (3.900E-02)	< -3.290E-02 (5.260E-01)	5.920E+01 (1.050E+01)	3.370E-01 (7.270E-02)
04/04/1995	1	1.770E-02 (3.210E-01)	8.170E-01 (1.400E+00)	6.250E-01 (9.440E-01)	< -9.340E-01 (9.300E-01)	8.850E-02 (2.950E-02)	< -1.890E-02 (5.110E-01)	1.140E+02 (1.490E+01)	4.470E-01 (8.110E-02)
05/02/1995	2	4.440E-01 (5.360E-01)	2.420E+00 (1.540E+00)	2.190E-01 (8.530E-01)	7.530E-01 (9.320E-01)	6.660E-02 (6.630E-02)	9.030E-02 (5.110E-01)	8.880E+01 (1.290E+01)	4.020E-01 (7.190E-02)
06/06/1995	3	5.910E-01 (5.890E-01)	6.840E-01 (1.280E+00)	5.570E-01 (1.360E+00)	2.000E-01 (1.260E+00)	7.850E-02 (3.850E-02)	< -1.350E-01 (5.090E-01)	6.930E+01 (1.100E+01)	2.370E-01 (5.470E-02)
07/05/1995	4	6.610E-01 (6.310E-01)	8.030E-01 (1.360E+00)	9.640E-01 (1.050E+00)	1.200E-01 (9.640E-01)	1.260E-01 (7.330E-02)	< -1.080E-01 (4.850E-01)	4.620E+01 (9.460E+00)	2.220E-01 (5.760E-02)
08/01/1995	5	7.470E-01 (6.510E-01)	1.150E-01 (1.250E+00)	4.390E-01 (1.210E+00)	< -3.690E-01 (1.120E+00)	7.340E-02 (4.010E-02)	< -2.460E-01 (5.330E-01)	7.420E+01 (1.140E+01)	1.440E-01 (4.050E-02)
09/06/1995	6	4.760E-01 (5.680E-01)	3.890E-01 (1.410E+00)	< -2.510E-01 (1.110E+00)	< -3.120E-01 (1.290E+00)	8.330E-02 (3.950E-02)	< -5.660E-03 (5.130E-01)	1.130E+02 (1.480E+01)	1.860E-01 (4.350E-02)
10/03/1995	7	3.850E-01 (4.140E-01)	1.880E+00 (1.220E+00)	< -4.960E-02 (8.590E-01)	3.220E-01 (1.110E+00)	1.030E-01 (4.730E-02)	< -3.500E-01 (5.080E-01)	9.270E+01 (1.300E+01)	2.190E-01 (5.240E-02)
11/08/1995	8	8.720E-01 (6.930E-01)	3.400E+00 (1.670E+00)	< -7.470E-02 (1.060E+00)	< -3.530E-01 (8.600E-01)	7.720E-02 (2.990E-02)	5.240E-02 (5.190E-01)	1.050E+02 (1.390E+01)	3.070E-01 (5.970E-02)
12/05/1995	9	2.150E-01 (3.820E-01)	2.230E+00 (1.610E+00)	2.230E-01 (1.530E+00)	1.030E+00 (1.060E+00)	6.720E-02 (3.870E-02)	2.960E-01 (5.510E-01)	5.200E+01 (9.930E+00)	2.390E-01 (5.260E-02)
01/03/1996	10	6.460E-01 (6.580E-01)	1.440E+00 (1.480E+00)	< -3.970E-01 (1.140E+00)	< -7.200E-01 (1.160E+00)	6.690E-02 (3.890E-02)	< -6.430E-02 (5.270E-01)	4.040E+01 (8.920E+00)	3.910E-01 (7.230E-02)
MEAN		5.647E-01	1.298E+00	1.716E-01	-3.517E-02	8.473E-02	-3.301E-02	7.896E+01	2.825E-01
MINIMUM		1.770E-02	< -2.950E-01	< -3.970E-01	< -9.340E-01	6.660E-02	< -3.500E-01	4.040E+01	1.440E-01
MAXIMUM		1.470E+00	3.400E+00	9.640E-01	1.030E+00	1.260E-01	2.960E-01	1.140E+02	4.470E-01
2STD. ERR		2.159E-01	6.198E-01	2.348E-01	3.304E-01	1.034E-02	9.845E-02	1.491E+01	5.432E-02

2173 RICHLAND PUMP HOUSE (UNFILTERED , CUMULATIVE , RIVER)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
02/07/1995		6.760E-03 (1.090E-02)	1.930E-01 (4.700E-02)	4.588E-01 (7.324E-02)
03/07/1995		2.440E-02 (1.960E-02)	2.340E-01 (5.740E-02)	5.954E-01 (9.468E-02)
04/04/1995		4.810E-02 (2.200E-02)	2.860E-01 (6.020E-02)	7.811E-01 (1.034E-01)
05/02/1995		2.920E-03 (6.900E-03)	2.130E-01 (4.780E-02)	6.179E-01 (8.661E-02)
06/06/1995		< -2.440E-04 (6.920E-03)	1.700E-01 (4.450E-02)	4.068E-01 (7.085E-02)
07/05/1995		4.770E-03 (1.170E-02)	1.640E-01 (4.810E-02)	3.908E-01 (7.595E-02)
08/01/1995		1.070E-02 (1.180E-02)	1.920E-01 (4.600E-02)	3.467E-01 (6.241E-02)
09/06/1995		4.080E-03 (9.240E-03)	1.420E-01 (3.640E-02)	3.321E-01 (5.747E-02)
10/03/1995		< -7.390E-04 (1.130E-02)	2.330E-01 (5.370E-02)	4.513E-01 (7.588E-02)
11/08/1995		3.820E-03 (7.770E-03)	2.000E-01 (4.510E-02)	5.108E-01 (7.522E-02)
12/05/1995		1.020E-02 (1.080E-02)	1.890E-01 (4.530E-02)	4.382E-01 (7.025E-02)
01/03/1996		3.460E-03 (9.050E-03)	2.690E-01 (5.620E-02)	6.635E-01 (9.202E-02)
MEAN		9.852E-03	2.071E-01	4.994E-01
MINIMUM		< -7.390E-04	1.420E-01	3.321E-01
MAXIMUM		4.810E-02	2.860E-01	7.811E-01
2STD. ERR		7.946E-03	2.447E-02	7.960E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis
 1 SAMPLE STATION BEING SHUT DOWN FOR MOVE TO NEW LOCATION.

Comment for sample 2174 on 03/21/1995

GRAB SAMPLE COLLECTED DUE TO CONSTRUCTION IN AREA.

2 GRAB SAMPLE.

SR-90 RESULT MODIFIED PER REANALYSIS ORDER W025.

3 GRAB SAMPLE.

4 GRAB SAMPLE.

5 GRAB SAMPLE.

6 GRAB SAMPLE.

7 GRAB SAMPLE.

8 GRAB SAMPLE.

9 GRAB SAMPLE.

TC-99 REFER TO 1/24/96 INCIDENT REPORT. RESULT REPORTED ALTHOUGH SAMPLE QUENCH PARAMETER BELOW ESTABLISHED QUENCH CURVE.

10 GRAB SAMPLE.

2166 PRIEST RAPIDS-RIVER (UNFILTERED , CUMULATIVE , RIVER)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO TRITIUM PCI/L	U-234 PCI/L
02/07/1995		7.340E-01 (6.460E-01)	1.210E+00 (1.380E+00)	4.860E-01 (1.130E+00)	< -2.570E-01 (1.100E+00)	1.040E-01 (4.490E-02)	< -5.540E-02 (5.130E-01)	3.760E+01 (8.610E+00)	1.960E-01 (4.860E-02)
03/07/1995		3.870E-01 (4.960E-01)	7.730E-01 (1.360E+00)	< -5.530E-01 (1.030E+00)	< -2.970E-01 (1.200E+00)	9.840E-02 (3.940E-02)	< -2.340E-02 (5.270E-01)	3.970E+01 (9.080E+00)	2.090E-01 (5.110E-02)
04/04/1995		1.450E-01 (4.010E-01)	7.430E-01 (1.390E+00)	< -1.050E+00 (1.370E+00)	< -1.740E-01 (1.170E+00)	1.070E-01 (3.350E-02)	< -5.210E-02 (5.080E-01)	3.280E+01 (8.750E+00)	2.350E-01 (5.020E-02)
05/02/1995	1	6.320E-01 (5.790E-01)	1.250E+00 (1.410E+00)	9.680E-01 (1.620E+00)	< -1.890E-01 (1.070E+00)	6.130E-02 (5.830E-02)	< -2.110E-02 (5.030E-01)	3.070E+01 (8.600E+00)	2.170E-01 (5.080E-02)
06/06/1995	2	< -1.090E-01 (2.240E-01)	1.240E+00 (1.380E+00)	< -2.980E-01 (1.270E+00)	< -3.060E-02 (1.110E+00)	6.480E-02 (3.910E-02)	2.600E-01 (5.400E-01)	3.470E+01 (8.510E+00)	1.620E-01 (4.370E-02)
07/05/1995	3	1.630E-01 (4.320E-01)	1.030E+00 (1.380E+00)	8.330E-01 (2.050E+00)	2.450E-02 (2.030E+00)	6.360E-02 (5.170E-02)	< -7.930E-02 (4.870E-01)	3.070E+01 (8.400E+00)	2.360E-01 (6.010E-02)
08/01/1995		1.570E-01 (4.090E-01)	1.820E+00 (1.480E+00)	< -3.980E-01 (1.140E+00)	1.840E-01 (9.010E-01)	5.670E-02 (3.680E-02)	< -3.410E-01 (5.260E-01)	3.660E+01 (8.660E+00)	2.240E-01 (4.990E-02)
09/06/1995		3.940E-01 (5.000E-01)	1.440E+00 (1.550E+00)	< -1.010E+00 (1.340E+00)	5.600E-01 (1.370E+00)	7.460E-02 (3.890E-02)	< -1.180E-01 (5.050E-01)	3.380E+01 (8.780E+00)	2.030E-01 (4.670E-02)
10/03/1995		8.000E-01 (5.810E-01)	1.660E+00 (1.130E+00)	1.020E+00 (1.380E+00)	7.430E-01 (1.160E+00)	1.140E-01 (4.800E-02)	< -1.540E-01 (5.220E-01)	3.580E+01 (8.690E+00)	1.910E-01 (4.940E-02)
11/08/1995		4.570E-01 (5.230E-01)	2.050E+00 (1.480E+00)	< -1.100E+00 (1.450E+00)	< -4.740E-01 (1.020E+00)	7.640E-02 (3.230E-02)	< -1.790E-01 (5.020E-01)	2.940E+01 (8.200E+00)	2.360E-01 (5.040E-02)
12/05/1995		2.590E-01 (4.330E-01)	3.360E+00 (1.640E+00)	< -2.300E-01 (1.020E+00)	6.460E-01 (8.890E-01)	6.530E-02 (3.680E-02)	< -9.750E-02 (5.220E-01)	3.660E+01 (8.830E+00)	1.810E-01 (4.920E-02)
01/03/1996		1.360E-01 (4.270E-01)	9.070E-01 (1.420E+00)	9.020E-01 (1.560E+00)	< -1.140E-01 (1.300E+00)	7.500E-02 (4.810E-02)	< -9.270E-02 (5.250E-01)	3.400E+01 (8.680E+00)	2.480E-01 (5.230E-02)
MEAN		3.463E-01	1.457E+00	-3.583E-02	5.183E-02	8.009E-02	-7.946E-02	3.437E+01	2.115E-01
MINIMUM		< -1.090E-01	7.430E-01	< -1.100E+00	< -4.740E-01	5.670E-02	< -3.410E-01	2.940E+01	1.620E-01
MAXIMUM		8.000E-01	3.360E+00	1.020E+00	7.430E-01	1.140E-01	2.600E-01	3.970E+01	2.480E-01
2STD. ERR		1.579E-01	4.178E-01	4.813E-01	2.299E-01	1.165E-02	7.958E-02	1.788E+00	1.497E-02

2166 PRIEST RAPIDS-RIVER (UNFILTERED , CUMULATIVE , RIVER)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
02/07/1995		9.140E-03 (1.210E-02)	2.400E-01 (5.410E-02)	4.451E-01 (7.372E-02)
03/07/1995	<	2.040E-03 (7.280E-03)	1.820E-01 (4.620E-02)	3.890E-01 (6.927E-02)
04/04/1995		2.930E-02 (1.600E-02)	2.260E-01 (4.830E-02)	4.903E-01 (7.148E-02)
05/02/1995		4.590E-03 (8.650E-03)	1.550E-01 (4.130E-02)	3.766E-01 (6.604E-02)
06/06/1995		5.060E-03 (9.960E-03)	1.840E-01 (4.600E-02)	3.511E-01 (6.423E-02)
07/05/1995		3.610E-03 (1.180E-02)	1.690E-01 (4.880E-02)	4.086E-01 (7.831E-02)
08/01/1995		1.090E-02 (1.180E-02)	1.800E-01 (4.280E-02)	4.149E-01 (6.679E-02)
09/06/1995	<	3.580E-04 (7.110E-03)	1.490E-01 (3.840E-02)	3.516E-01 (6.088E-02)
10/03/1995		1.130E-03 (8.500E-03)	1.390E-01 (4.090E-02)	3.311E-01 (6.469E-02)
11/08/1995	<	1.820E-03 (4.150E-03)	1.580E-01 (3.910E-02)	3.922E-01 (6.392E-02)
12/05/1995		8.390E-03 (1.130E-02)	1.620E-01 (4.520E-02)	3.514E-01 (6.776E-02)
01/03/1996		5.500E-03 (8.960E-03)	2.070E-01 (4.610E-02)	4.605E-01 (7.029E-02)
MEAN		6.117E-03	1.793E-01	3.969E-01
MINIMUM	<	2.040E-03	1.390E-01	3.311E-01
MAXIMUM		2.930E-02	2.400E-01	4.903E-01
2STD. ERR		4.865E-03	1.797E-02	2.839E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 SR-90 RESULT MODIFIED PER REANALYSIS ORDER W025.

2 WATER SUPPLY LOW.

3 SR-90 RESULT MODIFIED PER FOLLOW-UP ANALYSIS #W032.

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
01/01/1995	9.510E+04
01/02/1995	1.040E+05
01/03/1995	1.240E+05
01/04/1995	1.280E+05
01/05/1995	1.190E+05
01/06/1995	1.170E+05
01/07/1995	1.110E+05
01/08/1995	9.290E+04
01/09/1995	1.010E+05
01/10/1995	9.200E+04
01/11/1995	1.010E+05
01/12/1995	9.320E+04
01/13/1995	7.930E+04
01/14/1995	6.680E+04
01/15/1995	6.380E+04
01/16/1995	6.930E+04
01/17/1995	9.360E+04
01/18/1995	8.300E+04
01/19/1995	9.600E+04
01/20/1995	8.810E+04
01/21/1995	8.700E+04
01/22/1995	8.390E+04
01/23/1995	1.070E+05
01/24/1995	1.130E+05
01/25/1995	1.120E+05
01/26/1995	1.000E+05
01/27/1995	1.040E+05
01/28/1995	1.060E+05
01/29/1995	7.420E+04
01/30/1995	1.070E+05
01/31/1995	1.090E+05
02/01/1995	8.730E+04
02/02/1995	8.350E+04
02/03/1995	7.470E+04
02/04/1995	6.810E+04
02/05/1995	7.170E+04
02/06/1995	1.150E+05
02/07/1995	1.120E+05
02/08/1995	1.090E+05
02/09/1995	1.080E+05
02/10/1995	1.250E+05
02/11/1995	9.060E+04
02/12/1995	1.070E+05
02/13/1995	1.260E+05
02/14/1995	1.290E+05
02/15/1995	1.380E+05
02/16/1995	1.400E+05

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
02/17/1995	1.230E+05
02/18/1995	9.010E+04
02/19/1995	7.420E+04
02/20/1995	8.000E+04
02/21/1995	1.260E+05
02/22/1995	1.410E+05
02/23/1995	1.280E+05
02/24/1995	1.220E+05
02/25/1995	1.060E+05
02/26/1995	8.840E+04
02/27/1995	1.160E+05
02/28/1995	1.370E+05
03/01/1995	1.500E+05
03/02/1995	1.430E+05
03/03/1995	1.160E+05
03/04/1995	9.950E+04
03/05/1995	1.080E+05
03/06/1995	1.210E+05
03/07/1995	1.130E+05
03/08/1995	1.090E+05
03/09/1995	8.620E+04
03/10/1995	9.400E+04
03/11/1995	9.370E+04
03/12/1995	8.010E+04
03/13/1995	9.940E+04
03/14/1995	8.870E+04
03/15/1995	9.320E+04
03/16/1995	8.210E+04
03/18/1995	6.140E+04
03/19/1995	6.160E+04
03/20/1995	6.730E+04
03/21/1995	1.090E+05
03/22/1995	1.330E+05
03/23/1995	1.490E+05
03/24/1995	1.470E+05
03/25/1995	1.350E+05
03/17/1995	6.600E+04
03/26/1995	1.190E+05
03/27/1995	1.200E+05
03/28/1995	1.290E+05
03/29/1995	1.020E+05
03/30/1995	8.470E+04
03/31/1995	6.620E+04
04/01/1995	7.330E+04
04/02/1995	7.780E+04
04/03/1995	9.850E+04
04/04/1995	1.140E+05

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
04/05/1995	1.350E+05
04/06/1995	1.290E+05
04/07/1995	8.820E+04
04/08/1995	6.960E+04
04/09/1995	6.370E+04
04/10/1995	9.910E+04
04/11/1995	7.510E+04
04/12/1995	7.740E+04
04/13/1995	9.050E+04
04/14/1995	9.240E+04
04/15/1995	8.440E+04
04/16/1995	6.780E+04
04/17/1995	9.260E+04
04/18/1995	1.060E+05
04/19/1995	1.090E+05
04/20/1995	9.400E+04
04/21/1995	9.230E+04
04/22/1995	7.610E+04
04/23/1995	7.580E+04
04/24/1995	1.200E+05
04/25/1995	1.340E+05
04/26/1995	1.440E+05
04/27/1995	1.450E+05
04/28/1995	1.170E+05
04/29/1995	1.170E+05
04/30/1995	1.200E+05
05/01/1995	1.510E+05
05/02/1995	1.450E+05
05/03/1995	1.240E+05
05/04/1995	1.400E+05
05/05/1995	1.430E+05
05/06/1995	9.530E+04
05/07/1995	9.350E+04
05/08/1995	1.050E+05
05/09/1995	1.090E+05
05/10/1995	1.230E+05
05/11/1995	1.350E+05
05/12/1995	1.200E+05
05/13/1995	1.030E+05
05/14/1995	1.000E+05
05/15/1995	1.390E+05
05/16/1995	1.670E+05
05/17/1995	1.820E+05
05/18/1995	1.620E+05
05/19/1995	1.480E+05
05/20/1995	1.160E+05
05/21/1995	1.020E+05

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
05/22/1995	1.370E+05
05/23/1995	1.410E+05
05/24/1995	1.470E+05
05/25/1995	1.590E+05
05/26/1995	1.490E+05
05/27/1995	1.220E+05
05/28/1995	9.450E+04
05/29/1995	1.270E+05
05/30/1995	1.830E+05
05/31/1995	1.850E+05
06/01/1995	1.500E+05
06/02/1995	1.200E+05
06/03/1995	1.210E+05
06/04/1995	9.710E+04
06/05/1995	1.080E+05
06/06/1995	1.270E+05
06/07/1995	1.220E+05
06/08/1995	1.230E+05
06/09/1995	1.480E+05
06/10/1995	1.660E+05
06/11/1995	1.600E+05
06/12/1995	1.730E+05
06/13/1995	1.780E+05
06/14/1995	1.770E+05
06/15/1995	1.640E+05
06/16/1995	1.550E+05
06/17/1995	1.190E+05
06/18/1995	1.200E+05
06/19/1995	1.340E+05
06/20/1995	1.560E+05
06/21/1995	1.570E+05
06/22/1995	1.720E+05
06/23/1995	1.830E+05
06/24/1995	1.860E+05
06/25/1995	1.720E+05
06/26/1995	2.050E+05
06/27/1995	1.830E+05
06/28/1995	1.670E+05
06/29/1995	1.730E+05
06/30/1995	1.720E+05
07/01/1995	1.490E+05
07/02/1995	1.100E+05
07/03/1995	1.370E+05
07/04/1995	1.120E+05
07/05/1995	1.430E+05
07/06/1995	1.520E+05
07/07/1995	1.480E+05

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
07/08/1995	1.400E+05
07/09/1995	1.130E+05
07/10/1995	1.170E+05
07/11/1995	1.340E+05
07/12/1995	1.420E+05
07/13/1995	1.230E+05
07/14/1995	1.180E+05
07/15/1995	1.160E+05
07/16/1995	1.250E+05
07/17/1995	1.370E+05
07/18/1995	1.450E+05
07/19/1995	1.330E+05
07/20/1995	1.240E+05
07/21/1995	1.320E+05
07/22/1995	1.110E+05
07/23/1995	1.110E+05
07/24/1995	1.300E+05
07/25/1995	1.080E+05
07/26/1995	1.280E+05
07/27/1995	1.600E+05
07/28/1995	1.310E+05
07/29/1995	1.120E+05
07/30/1995	1.180E+05
07/31/1995	1.330E+05
08/01/1995	1.260E+05
08/02/1995	1.040E+05
08/03/1995	1.050E+05
08/04/1995	9.500E+04
08/05/1995	8.870E+04
08/06/1995	6.710E+04
08/07/1995	8.850E+04
08/08/1995	1.310E+05
08/09/1995	1.020E+05
08/10/1995	1.020E+05
08/11/1995	1.240E+05
08/12/1995	9.980E+04
08/13/1995	8.180E+04
08/14/1995	1.150E+05
08/15/1995	1.130E+05
08/16/1995	1.000E+05
08/17/1995	1.040E+05
08/18/1995	8.770E+04
08/19/1995	7.990E+04
08/20/1995	7.970E+04
08/21/1995	1.100E+05
08/22/1995	1.210E+05
08/23/1995	1.110E+05

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
08/24/1995	9.580E+04
08/25/1995	8.830E+04
08/26/1995	6.980E+04
08/27/1995	8.250E+04
08/28/1995	1.040E+05
08/29/1995	9.950E+04
08/30/1995	1.000E+05
08/31/1995	1.060E+05
09/01/1995	8.530E+04
09/02/1995	6.170E+04
09/03/1995	4.730E+04
09/04/1995	5.820E+04
09/05/1995	7.300E+04
09/06/1995	8.320E+04
09/07/1995	6.890E+04
09/08/1995	6.510E+04
09/09/1995	5.360E+04
09/10/1995	4.900E+04
09/11/1995	7.780E+04
09/12/1995	7.420E+04
09/13/1995	8.300E+04
09/14/1995	8.230E+04
09/15/1995	8.290E+04
09/16/1995	7.110E+04
09/17/1995	6.530E+04
09/18/1995	8.330E+04
09/19/1995	7.760E+04
09/20/1995	7.130E+04
09/21/1995	7.620E+04
09/22/1995	7.520E+04
09/23/1995	6.320E+04
09/24/1995	5.720E+04
09/25/1995	7.840E+04
09/26/1995	7.480E+04
09/27/1995	8.300E+04
09/28/1995	8.880E+04
09/29/1995	8.460E+04
09/30/1995	6.590E+04
10/01/1995	6.180E+04
10/02/1995	9.570E+04
10/03/1995	9.680E+04
10/04/1995	7.620E+04
10/05/1995	8.220E+04
10/06/1995	8.440E+04
10/07/1995	7.950E+04
10/08/1995	7.960E+04
10/09/1995	9.620E+04

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
10/10/1995	9.150E+04
10/11/1995	7.650E+04
10/12/1995	1.310E+05
10/13/1995	1.430E+05
10/14/1995	1.090E+05
10/15/1995	5.030E+04
10/16/1995	6.190E+04
10/17/1995	8.100E+04
10/18/1995	8.810E+04
10/19/1995	9.530E+04
10/20/1995	9.190E+04
10/21/1995	8.730E+04
10/22/1995	7.830E+04
10/23/1995	8.400E+04
10/24/1995	8.970E+04
10/25/1995	9.090E+04
10/26/1995	9.860E+04
10/27/1995	9.810E+04
10/28/1995	8.400E+04
10/29/1995	7.690E+04
10/30/1995	9.680E+04
10/31/1995	1.040E+05
11/01/1995	1.020E+05
11/02/1995	1.010E+05
11/03/1995	9.770E+04
11/04/1995	9.640E+04
11/05/1995	6.860E+04
11/06/1995	8.530E+04
11/07/1995	9.400E+04
11/08/1995	9.490E+04
11/09/1995	9.250E+04
11/10/1995	9.280E+04
11/11/1995	9.410E+04
11/12/1995	9.380E+04
11/13/1995	8.750E+04
11/14/1995	9.860E+04
11/15/1995	9.880E+04
11/16/1995	1.000E+05
11/17/1995	1.000E+05
11/18/1995	1.020E+05
11/19/1995	9.600E+04
11/20/1995	1.280E+05
11/21/1995	1.430E+05
11/22/1995	1.310E+05
11/23/1995	9.240E+04
11/24/1995	1.000E+05
11/25/1995	1.230E+05

PRIEST RAPIDS-RIVER

OFF DATE	FLOW_RATE
11/26/1995	1.350E+05
11/27/1995	1.490E+05
11/28/1995	1.450E+05
11/29/1995	1.550E+05
11/30/1995	1.860E+05
12/01/1995	1.690E+05
12/02/1995	1.670E+05
12/03/1995	1.690E+05
12/04/1995	1.560E+05
12/05/1995	1.570E+05
12/06/1995	1.690E+05
12/07/1995	1.680E+05
12/08/1995	1.820E+05
12/09/1995	1.810E+05
12/10/1995	1.730E+05
12/11/1995	1.610E+05
12/12/1995	1.370E+05
12/13/1995	1.990E+05
12/14/1995	1.830E+05
12/15/1995	1.730E+05
12/16/1995	1.580E+05
12/17/1995	1.540E+05
12/18/1995	1.660E+05
12/19/1995	1.730E+05
12/20/1995	1.630E+05
12/21/1995	1.760E+05
12/22/1995	1.770E+05
12/23/1995	1.750E+05
12/24/1995	1.780E+05
12/25/1995	1.710E+05
12/26/1995	1.730E+05
12/27/1995	1.630E+05
12/28/1995	1.470E+05
12/29/1995	1.290E+05
12/30/1995	1.130E+05
12/31/1995	1.020E+05

MEAN	1.132E+05
MINIMUM	4.730E+04
MAXIMUM	2.050E+05
2STD. ERR	3.465E+03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

2186 RICHLAND PUMP HOUSE (FILTERED , CONTINUOUS , RIVER)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	PU-238 PCI/L	PU39-40 PCI/L
01/31/1995		4.590E-04 (7.080E-04)	8.980E-04 (7.870E-04)	nra	nra
02/28/1995		8.070E-04 (7.240E-04)	2.480E-03 (1.270E-03)	nra	nra
03/27/1995	1	< -1.850E-03 (1.400E-03)	2.450E-03 (1.260E-03)	4.500E-06 (1.080E-05)	5.640E-05 (2.560E-05)
MEAN		-1.947E-04	1.943E-03	4.500E-06	5.640E-05
MINIMUM		< -1.850E-03	8.980E-04	4.500E-06	5.640E-05
MAXIMUM		8.070E-04	2.480E-03	4.500E-06	5.640E-05
2STD. ERR		1.667E-03	1.045E-03	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 1 SAMPLE STATION BEING SHUT DOWN FOR MOVE TO NEW LOCATION.
 NO SAMPLE. AREA UNDER CONSTRUCTION.

2175 PRIEST RAPIDS-RIVER (FILTERED , CONTINUOUS , RIVER)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	PU-238 PCI/L	PU39-40 PCI/L
01/31/1995		9.070E-04 (6.120E-04)	1.470E-03 (7.740E-04)	nra	nra
02/28/1995	1	< -7.000E-04 (6.880E-04)	2.790E-03 (1.480E-03)	nra	nra
03/27/1995	2	< -2.780E-04 (7.630E-04)	1.510E-03 (1.060E-03)	3.400E-06 (1.180E-05)	3.100E-05 (1.650E-05)
04/25/1995		6.860E-04 (6.420E-04)	2.360E-04 (7.040E-04)	nra	nra
05/23/1995		4.910E-04 (8.290E-04)	1.150E-03 (7.660E-04)	nra	nra
07/05/1995	3	1.520E-03 (9.700E-04)	1.680E-03 (8.900E-04)	9.280E-06 (1.170E-05)	5.490E-05 (2.980E-05)
08/01/1995		3.180E-04 (7.130E-04)	4.300E-04 (7.350E-04)	nra	nra
08/30/1995		2.370E-04 (7.340E-04)	6.170E-04 (6.130E-04)	nra	nra
09/27/1995		8.830E-04 (6.670E-04)	4.260E-04 (6.180E-04)	1.950E-07 (1.380E-06)	1.040E-05 (5.640E-06)
11/08/1995	<	-7.770E-04 (7.330E-04)	7.130E-04 (1.190E-03)	nra	nra
12/05/1995	4	2.890E-04 (9.940E-04)	4.530E-04 (1.080E-03)	nra	nra
01/03/1996	<	-3.320E-04 (9.650E-04)	1.900E-03 (1.010E-03)	3.200E-06 (2.160E-06)	2.590E-05 (6.380E-06)
MEAN		2.703E-04	1.115E-03	4.019E-06	3.055E-05
MINIMUM	<	-7.770E-04	2.360E-04	1.950E-07	1.040E-05
MAXIMUM		1.520E-03	2.790E-03	9.280E-06	5.490E-05
2STD. ERR		3.995E-04	4.468E-04	3.802E-06	1.845E-05

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 Comment for sample 2177 on 02/28/1995

HEAVY LAYER OF MUD-FILTER RESULTED IN A HEAVY SLUDGE.

2 Comment for sample 2177 on 03/27/1995

FILTER DISINTEGRATED.

3 Comment for sample 2177 on 06/06/1995

FILTER DIRTY.

4 Comment for sample 2177 on 12/05/1995

PAPER FILTER DAMAGED PRIOR TO OR DURING PREVIOUS INSTALLING, THREE HOLES IN FILTER BUT APPEARS FAIRLY NORMAL.

2183 RICHLAND PUMP HOUSE (RESIN , CONTINUOUS , RIVER)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	I-129 PCI/L	PU-238 PCI/L	PU39-40 PCI/L
01/31/1995		< -1.350E-03 (4.350E-03)	4.830E-03 (3.880E-03)	nra	nra	nra
02/28/1995		6.210E-03 (5.420E-03)	3.240E-03 (5.610E-03)	nra	nra	nra
03/27/1995	1	4.720E-03 (4.040E-03)	2.080E-03 (3.700E-03)	5.710E-05 (4.682E-06)	< -2.260E-06 (7.220E-05)	2.400E-05 (4.820E-05)
07/05/1995	2	nra	nra	NR	NR	NR
09/27/1995	3	nra	nra	NR	NR	NR
01/03/1996	4	nra	nra	NR	NR	NR
MEAN		3.193E-03	3.383E-03	5.710E-05	-2.260E-06	2.400E-05
MINIMUM		< -1.350E-03	2.080E-03	5.710E-05	< -2.260E-06	2.400E-05
MAXIMUM		6.210E-03	4.830E-03	5.710E-05	< -2.260E-06	2.400E-05
2STD. ERR		4.624E-03	1.594E-03	.000E+00	.000E+00	.000E+00

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 { } - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 1 Comment for sample 2185 on 03/14/1995
 SAMPLE STATION BEING SHUT DOWN FOR MOVE TO NEW LOCATION.
 2 NO SAMPLE. CONSTRUCTION IN AREA.
 3 NO SAMPLE. CONSTRUCTION IN AREA.
 4 NO SAMPLE. CONSTRUCTION IN AREA.

2178 PRIEST RAPIDS-RIVER (RESIN , CONTINUOUS , RIVER)

OFF DATE	COM	CO-60 PCI/L	CS-137 PCI/L	I-129 PCI/L	PU-238 PCI/L	PU39-40 PCI/L
01/31/1995		2.570E-03 < -4.800E-03 (4.710E-03) (4.070E-03)	nra	nra	nra	nra
02/28/1995		1.960E-03 < -1.820E-03 (4.400E-03) (4.350E-03)	nra	nra	nra	nra
03/27/1995		< -2.660E-03 < -5.230E-03 (5.890E-03) (5.430E-03)	3.300E-06 < -1.730E-06 < .000E+00 (4.752E-07) (4.690E-05)	nra	nra	nra
04/25/1995		< -7.450E-03 < -4.590E-03 (8.240E-03) (5.610E-03)	nra	nra	nra	nra
05/23/1995		< -7.010E-03 < -7.320E-03 (6.110E-03) (5.150E-03)	nra	nra	nra	nra
07/05/1995		1.120E-03 (4.050E-03) (5.250E-03)	4.100E-06 < -1.780E-05 (6.970E-07) (6.930E-05)	nra	nra	nra
08/01/1995		< -1.550E-03 7.650E-03 (3.910E-03) (4.030E-03)	nra	nra	nra	nra
08/30/1995		5.840E-04 (5.310E-03) (5.330E-03)	nra	nra	nra	nra
09/27/1995	1	< -5.220E-04 (4.240E-03) (4.400E-03)	4.000E-06 < -9.260E-06 (6.160E-07) (1.030E-05)	nra	nra	nra
11/08/1995		< -4.100E-03 1.870E-03 (4.940E-03) (4.020E-03)	nra	nra	nra	nra
12/05/1995		4.510E-03 (4.450E-03) (4.970E-03)	nra	nra	nra	nra
01/03/1996		6.540E-03 (5.730E-03) (5.050E+00)	3.000E-06 2.970E-05 (3.420E-07) (5.880E-05)	nra	nra	nra
MEAN		-5.007E-04	1.951E-02	3.600E-06	2.275E-07	2.690E-05
MINIMUM		< -7.450E-03	< -7.320E-03	3.000E-06	< -1.780E-05	< .000E+00
MAXIMUM		6.540E-03	2.400E-01	4.100E-06	2.970E-05	7.150E-05
2STD. ERR		2.482E-03	4.017E-02	5.354E-07	2.072E-05	3.266E-05

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 PU-238 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.
 PU39-40 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.

(RIVER , RAW GRAB , TRANSECT)									
2026 100 F -1	SR-90	LO_TRITIUM	U-234	U-235	U-238	UISO_TOTAL			
OFF DATE COM	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L			
09/12/1995	5.970E-02 (4.050E-02)	3.600E+01 (8.930E+00)	2.270E-01 (5.320E-02)	1.100E-02 (1.350E-02)	2.030E-01 (4.840E-02)	4.410E-01 (7.318E-02)			

(RIVER , RAW GRAB , TRANSECT)									
2045 100 F -2	SR-90	LO_TRITIUM	U-234	U-235	U-238	UISO_TOTAL			
OFF DATE COM	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L			
09/12/1995	8.060E-02 (5.620E-02)	3.790E+01 (8.980E+00)	2.250E-01 (5.410E-02)	7.670E-03 (1.140E-02)	1.930E-01 (4.840E-02)	4.257E-01 (7.348E-02)			

(RIVER , RAW GRAB , TRANSECT)									
2030 100 F -3	SR-90	LO_TRITIUM	U-234	U-235	U-238	UISO_TOTAL			
OFF DATE COM	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L			
09/12/1995	7.450E-02 (5.140E-02)	3.630E+01 (8.900E+00)	2.090E-01 (5.460E-02)	9.340E-03 (1.310E-02)	1.800E-01 (4.930E-02)	3.983E-01 (7.472E-02)			

(RIVER , RAW GRAB , TRANSECT)									
2060 100 F -4	SR-90	LO_TRITIUM	U-234	U-235	U-238	UISO_TOTAL			
OFF DATE COM	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L			
09/12/1995	9.070E-02 (5.840E-02)	3.620E+01 (8.880E+00)	2.870E-01 (6.290E-02)	< -2.920E-03 (7.870E-03)	1.760E-01 (4.640E-02)	4.601E-01 (7.856E-02)			

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis

2061 100 F -5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/12/1995		6.210E-02 (5.440E-02)	3.640E+01 (8.930E+00)	2.170E-01 (5.180E-02)	5.580E-03 (1.120E-02)	2.130E-01 (5.010E-02)	4.356E-01 (7.293E-02)

2062 100 F -6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/12/1995		8.680E-02 (4.950E-02)	3.550E+01 (8.810E+00)	3.050E-01 (7.360E-02)	4.980E-03 (1.130E-02)	1.870E-01 (5.500E-02)	4.970E-01 (9.257E-02)

2067 100 F -7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/12/1995		8.970E-02 (4.690E-02)	3.310E+01 (8.660E+00)	2.580E-01 (5.720E-02)	1.190E-02 (1.180E-02)	1.930E-01 (4.750E-02)	4.629E-01 (7.528E-02)

2068 100 F -8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/12/1995		2.740E-02 (4.770E-02)	3.600E+01 (8.810E+00)	2.500E-01 (5.430E-02)	5.630E-03 (9.530E-03)	1.680E-01 (4.260E-02)	4.236E-01 (6.967E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2072 100 F -9

(RIVER , RAW GRAB , TRANSECT)

SR-90	LO_TRITIUM	U-234	U-235	U-238	UIISO_TOTAL
PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L
6.360E-02	3.640E+01	1.800E-01	4.680E-03	1.730E-01	3.577E-01
(5.330E-02)	(8.920E+00)	(4.720E-02)	(1.070E-02)	(4.500E-02)	(6.609E-02)

2071 100 F -10

(RIVER , RAW GRAB , TRANSECT)

SR-90	LO_TRITIUM	U-234	U-235	U-238	UIISO_TOTAL
PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L
7.190E-02	3.610E+01	2.480E-01	6.190E-03	1.730E-01	4.272E-01
(8.100E-02)	(8.610E+00)	(5.600E-02)	(1.010E-02)	(4.450E-02)	(7.224E-02)

2016 100 N -1

(RIVER , RAW GRAB , TRANSECT)

ALPHA	BETA	CO-60	CS-137	SR-90	TC-99	LO_TRITIUM	U-234
PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L
1.890E-02	2.390E+00	< -2.070E+00	< -3.950E-01	1.680E-01	< -2.840E-01	7.000E+01	2.460E-01
(3.470E-01)	(1.570E+00)	(1.810E+00)	(1.600E+00)	(1.150E-01)	(1.010E+00)	(1.140E+01)	(4.460E-02)

2016 100 N -1

(RIVER , RAW GRAB , TRANSECT)

U-235	U-238	UIISO_TOTAL
PCI/L	PCI/L	PCI/L
6.340E-03	1.730E-01	4.253E-01
(6.830E-03)	(3.540E-02)	(5.735E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

(RIVER , RAW GRAB , TRANSECT)									
2017 100 N -2	ALPHA	BETA	CO-60	CS-137	SR-90	TC-99	LO-TRITIUM	U-234	
OFF DATE COM	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	
09/11/1995	7.260E-01 (6.490E-01)	1.260E+00 (1.520E+00)	3.690E-01 (1.280E+00)	1.350E+00 (1.660E+00)	1.220E-01 (9.960E-02)	< -2.130E-01 (1.010E+00)	3.740E+01 (9.020E+00)	2.480E-01 (5.580E-02)	

(RIVER , RAW GRAB , TRANSECT)									
2017 100 N -2	U-235	U-238	UISO_TOTAL						
OFF DATE COM	PCI/L	PCI/L	PCI/L						
09/11/1995	1.220E-02 (1.160E-02)	1.400E-01 (3.950E-02)	4.002E-01 (6.934E-02)						

(RIVER , RAW GRAB , TRANSECT)									
2144 100 N -3	ALPHA	BETA	CO-60	CS-137	SR-90	TC-99	LO-TRITIUM	U-234	
OFF DATE COM	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	
09/11/1995 1	2.210E-01 (4.210E-01)	1.720E+00 (1.460E+00)	6.920E-01 (1.700E+00)	6.120E-01 (1.850E+00)	7.920E-02 (8.830E-02)	1.560E-01 (7.320E-01)	3.710E+01 (8.860E+00)	2.100E-01 (4.980E-02)	

(RIVER , RAW GRAB , TRANSECT)									
2144 100 N -3	U-235	U-238	UISO_TOTAL						
OFF DATE COM	PCI/L	PCI/L	PCI/L						
09/11/1995 1	< -4.030E-04 (6.450E-03)	1.830E-01 (4.510E-02)	3.926E-01 (6.750E-02)						

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 TC-99 REFER TO 1/24/96 INCIDENT REPORT, RESULT NOT LOST AT LAB, MODIFIED RESULT REPORTED 2/21/96.

2146 100 N -4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L
09/11/1995	1	4.740E-01 (5.020E-01)	6.210E-01 (1.370E+00)	< -1.830E-01 (1.320E+00)	9.560E-02 (1.240E+00)	1.450E-01 (1.130E-01)	3.370E-02 (1.030E+00)	3.440E+01 (8.780E+00)	2.310E-01 (5.230E-02)

2146 100 N -4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/11/1995	1	1.110E-02 (1.120E-02)	2.030E-01 (4.800E-02)	4.451E-01 (7.187E-02)

2020 100 N -5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L
09/11/1995		4.660E-01 (5.410E-01)	2.320E+00 (1.580E+00)	< -9.000E-01 (1.720E+00)	< -2.290E-01 (1.360E+00)	3.220E-01 (8.560E-02)	< -4.820E-01 (1.210E+00)	3.330E+01 (8.600E+00)	2.720E-01 (9.340E-02)

2020 100 N -5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/11/1995		3.950E-04 (1.310E-02)	1.970E-01 (7.740E-02)	4.694E-01 (1.220E-01)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
1 SR-90 RESULT MODIFIED, REFER TO FOLLOW-UP ANALYSIS ORDER W030.

2151 100 N -6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L
09/11/1995		8.930E-01 (6.730E-01)	3.630E+00 (1.690E+00)	6.730E-01 (1.580E+00)	< -9.960E-01 (1.540E+00)	1.100E-01 (9.530E-02)	< -8.240E-02 (1.020E+00)	3.880E+01 (9.060E+00)	2.310E-01 (5.310E-02)

2151 100 N -6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/11/1995		1.370E-02 (1.330E-02)	1.950E-01 (4.700E-02)	4.397E-01 (7.215E-02)

2152 100 N -7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L
09/11/1995		4.800E-01 (5.240E-01)	2.610E+00 (1.590E+00)	9.200E-02 (1.450E+00)	1.480E+00 (1.360E+00)	2.120E-02 (8.700E-02)	< -3.050E-01 (1.000E+00)	3.330E+01 (8.700E+00)	2.450E-01 (5.560E-02)

2152 100 N -7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/11/1995		1.010E-02 (1.300E-02)	1.380E-01 (4.020E-02)	3.931E-01 (6.983E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2153 100 N -8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L
09/11/1995		2.440E-01 (4.010E-01)	7.140E-01 (1.460E+00)	2.960E-01 (2.030E+00)	< -6.110E-01 (1.680E+00)	4.420E-02 (1.020E-01)	< -1.530E-01 (1.010E+00)	3.380E+01 (8.710E+00)	2.500E-01 (5.780E-02)

2153 100 N -8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/11/1995		3.070E-03 (8.310E-03)	1.760E-01 (4.600E-02)	4.291E-01 (7.434E-02)

2154 100 N -9 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L
09/11/1995		4.170E-01 (4.910E-01)	1.710E+00 (1.450E+00)	< -2.960E-01 (1.830E+00)	1.930E+00 (1.320E+00)	2.970E-02 (9.510E-02)	< -3.810E-01 (9.980E-01)	3.450E+01 (8.830E+00)	2.460E-01 (5.820E-02)

2154 100 N -9 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/11/1995		8.680E-03 (1.480E-02)	1.980E-01 (5.080E-02)	4.527E-01 (7.866E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

(RIVER , RAW GRAB , TRANSECT)												
2135	100 N -10											
OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L			
09/11/1995		3.850E-01 (5.130E-01)	1.560E+00 (1.480E+00)	5.500E-01 (2.140E+00)	8.790E-01 (2.600E+00)	1.310E-01 (1.090E-01)	< -3.780E-01 (9.990E-01)	3.400E+01 (8.770E+00)	2.980E-01 (5.910E-02)			
(RIVER , RAW GRAB , TRANSECT)												
2135	100 N -10											
OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L								
09/11/1995		4.210E-03 (1.080E-02)	1.820E-01 (4.310E-02)	4.842E-01 (7.394E-02)								
(RIVER , RAW GRAB , TRANSECT)												
2092	300 AREA -1											
OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L					
09/18/1995		8.340E-02 (5.050E-02)	1.280E+02 (1.590E+01)	2.990E-01 (6.110E-02)	1.610E-02 (1.350E-02)	2.460E-01 (5.390E-02)	5.611E-01 (8.259E-02)					
(RIVER , RAW GRAB , TRANSECT)												
2093	300 AREA -2											
OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L					
09/18/1995		1.180E-01 (7.400E-02)	7.920E+01 (1.210E+01)	2.150E-01 (5.830E-02)	4.840E-03 (1.500E-02)	1.670E-01 (4.910E-02)	3.868E-01 (7.768E-02)					

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2094 300 AREA -3 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/18/1995		1.060E-01 (6.430E-02)	4.000E+01 (9.070E+00)	2.330E-01 (5.250E-02)	7.750E-03 (1.110E-02)	1.390E-01 (3.850E-02)	3.798E-01 (6.604E-02)

2095 300 AREA -4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/18/1995		8.750E-02 (5.210E-02)	3.800E+01 (9.000E+00)	2.110E-01 (5.010E-02)	7.820E-04 (7.790E-03)	1.740E-01 (4.390E-02)	3.858E-01 (6.707E-02)

2096 300 AREA -5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/18/1995		7.630E-02 (5.480E-02)	3.710E+01 (8.920E+00)	2.210E-01 (5.830E-02)	7.830E-03 (1.410E-02)	1.900E-01 (5.280E-02)	4.188E-01 (7.991E-02)

2097 300 AREA -6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/18/1995		7.710E-02 (5.280E-02)	3.420E+01 (8.680E+00)	2.640E-01 (5.870E-02)	5.970E-03 (1.170E-02)	2.240E-01 (5.220E-02)	4.940E-01 (7.942E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2098 300 AREA -7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/18/1995		8.300E-02 (5.230E-02)	3.320E+01 (8.680E+00)	2.870E-01 (6.350E-02)	8.620E-04 (1.060E-02)	2.360E-01 (5.560E-02)	5.239E-01 (8.508E-02)

2099 300 AREA -8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/18/1995		7.240E-02 (4.680E-02)	3.530E+01 (8.800E+00)	3.050E-01 (6.360E-02)	1.320E-02 (1.310E-02)	2.010E-01 (4.900E-02)	5.192E-01 (8.135E-02)

2100 300 AREA -9 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/18/1995		1.980E-02 (4.040E-02)	2.500E+01 (8.050E+00)	2.620E-01 (5.960E-02)	2.740E-03 (1.030E-02)	2.020E-01 (5.020E-02)	4.667E-01 (7.860E-02)

2101 300 AREA -10 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/18/1995		1.200E-01 (1.020E-01)	3.630E+01 (8.920E+00)	3.220E-01 (7.260E-02)	1.710E-02 (1.620E-02)	2.700E-01 (6.390E-02)	6.091E-01 (9.806E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2073 HANFORD TOWNSITE-1 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/12/1995		6.240E-02 (4.720E-02)	< -5.390E-01 (1.140E+00)	1.900E+02 (2.110E+01)	2.380E-01 (5.270E-02)	9.120E-03 (9.990E-03)	2.040E-01 (4.720E-02)	4.511E-01 (7.145E-02)

2077 HANFORD TOWNSITE-2 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/12/1995		8.570E-02 (4.670E-02)	< -3.420E-01 (1.160E+00)	5.040E+01 (9.950E+00)	2.130E-01 (5.170E-02)	4.130E-03 (9.290E-03)	1.610E-01 (4.330E-02)	3.781E-01 (6.807E-02)

2091 HANFORD TOWNSITE-3 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/12/1995		8.690E-02 (4.980E-02)	< -8.370E-01 (1.270E+00)	3.910E+01 (9.110E+00)	2.240E-01 (5.290E-02)	3.590E-03 (1.060E-02)	1.720E-01 (4.540E-02)	3.996E-01 (7.051E-02)

2342 HANFORD TOWNSITE-4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/12/1995		8.430E-02 (4.890E-02)	< -5.870E-01 (1.020E+00)	3.490E+01 (8.790E+00)	2.020E-01 (4.870E-02)	4.440E-03 (8.480E-03)	1.540E-01 (4.040E-02)	3.604E-01 (6.384E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2085 HANFORD TOWNSITE-5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	TC-99 PCI/L	LO_TRTIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/12/1995		8.980E-02 (5.080E-02)	< -2.760E-01 (1.160E+00)	3.740E+01 (8.990E+00)	2.100E-01 (5.280E-02)	3.710E-03 (1.290E-02)	1.700E-01 (4.640E-02)	3.837E-01 (7.146E-02)

2043 HANFORD TOWNSITE-6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	TC-99 PCI/L	LO_TRTIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/12/1995		9.090E-02 (5.880E-02)	< -3.340E-01 (1.160E+00)	3.410E+01 (8.740E+00)	2.240E-01 (5.160E-02)	1.840E-02 (1.530E-02)	1.430E-01 (3.930E-02)	3.854E-01 (6.664E-02)

2086 HANFORD TOWNSITE-7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	TC-99 PCI/L	LO_TRTIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/12/1995		9.730E-02 (5.390E-02)	< -5.490E-01 (1.140E+00)	3.750E+01 (8.920E+00)	2.250E-01 (5.160E-02)	8.760E-03 (1.120E-02)	1.390E-01 (3.890E-02)	3.728E-01 (6.558E-02)

2087 HANFORD TOWNSITE-8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	TC-99 PCI/L	LO_TRTIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/12/1995		1.160E-01 (5.470E-02)	< -3.650E-01 (1.160E+00)	3.520E+01 (8.840E+00)	2.060E-01 (4.840E-02)	3.710E-03 (9.370E-03)	1.340E-01 (3.740E-02)	3.437E-01 (6.188E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis

2088 HANFORD TOWNSITE-9 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/12/1995		9.090E-02 (5.330E-02)	< -7.070E-01 (1.200E+00)	3.580E+01 (8.800E+00)	2.100E-01 (4.920E-02)	1.310E-02 (1.330E-02)	1.900E-01 (4.540E-02)	4.131E-01 (6.825E-02)

2089 HANFORD TOWNSITE-10 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
09/12/1995		8.190E-02 (8.770E-02)	< -8.140E-01 (2.070E+00)	3.440E+01 (8.830E+00)	1.890E-01 (4.640E-02)	1.580E-02 (1.430E-02)	1.580E-01 (4.060E-02)	3.628E-01 (6.329E-02)

2102 RICHLAND PUMPHOUSE-1 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/17/1995		8.180E-02 (3.560E-02)	2.240E+02 (2.330E+01)	2.030E-01 (4.380E-02)	6.270E-03 (8.030E-03)	1.640E-01 (3.790E-02)	3.733E-01 (5.848E-02)
06/16/1995		7.560E-02 (4.440E-02)	3.330E+01 (8.430E+00)	1.970E-01 (4.560E-02)	8.990E-03 (1.110E-02)	2.020E-01 (4.560E-02)	4.080E-01 (6.544E-02)
09/18/1995		9.280E-02 (5.010E-02)	1.340E+02 (1.650E+01)	2.580E-01 (5.950E-02)	6.640E-03 (9.700E-03)	1.560E-01 (4.390E-02)	4.206E-01 (7.458E-02)
12/07/1995	1	1.150E-01 (1.460E-01)	3.610E+01 (8.830E+00)	1.820E-01 (5.010E-02)	8.400E-03 (1.180E-02)	1.560E-01 (4.460E-02)	3.464E-01 (6.811E-02)
MEAN		9.130E-02	1.069E+02	2.100E-01	7.575E-03	1.695E-01	3.871E-01
MINIMUM		7.560E-02	3.330E+01	1.820E-01	6.270E-03	1.560E-01	3.464E-01
MAXIMUM		1.150E-01	2.240E+02	2.580E-01	8.990E-03	2.020E-01	4.206E-01
2STD. ERR		1.733E-02	9.106E+01	3.320E-02	1.324E-03	2.199E-02	3.371E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 SR-90 REFER TO 1/24/96 INCIDENT REPORT. SAMPLE HAD CHEMICAL YIELD LESS THAN 20 PERCENT.

2103 RICHLAND PUMPHOUSE-2 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRTIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/17/1995		9.330E-02 (3.810E-02)	1.670E-02 (1.910E-01)	2.460E-01 (5.210E-02)	1.720E-02 (1.270E-02)	1.770E-01 (4.210E-02)	4.402E-01 (6.818E-02)
06/16/1995		1.050E-01 (5.180E-02)	3.240E-01 (8.400E+00)	2.270E-01 (5.350E-02)	4.410E-03 (1.040E-02)	1.540E-01 (4.180E-02)	3.854E-01 (6.869E-02)
09/18/1995		6.130E-02 (5.040E-02)	5.740E-01 (1.040E+01)	2.650E-01 (5.940E-02)	2.110E-03 (8.450E-03)	1.890E-01 (4.800E-02)	4.561E-01 (7.684E-02)
12/07/1995	1	3.050E-02 (1.070E-01)	3.410E-01 (8.670E+00)	1.930E-01 (5.200E-02)	8.850E-03 (1.220E-02)	1.570E-01 (4.550E-02)	3.589E-01 (7.016E-02)
MEAN		7.253E-02	7.273E-01	2.328E-01	8.142E-03	1.693E-01	4.101E-01
MINIMUM		3.050E-02	3.240E-01	1.930E-01	2.110E-03	1.540E-01	3.589E-01
MAXIMUM		1.050E-01	1.670E-02	2.650E-01	1.720E-02	1.890E-01	4.561E-01
2STD. ERR		3.356E-02	6.388E+01	3.071E-02	6.655E-03	1.668E-02	4.568E-02

2104 RICHLAND PUMPHOUSE-3 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRTIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/17/1995		4.760E-01 (1.000E-01)	1.170E+02 (1.500E+01)	1.970E-01 (4.570E-02)	6.260E-03 (8.370E-03)	2.030E-01 (4.520E-02)	4.063E-01 (6.482E-02)
06/16/1995		9.430E-02 (5.540E-02)	3.390E+01 (8.530E+00)	2.710E-01 (5.820E-02)	5.430E-03 (1.100E-02)	2.020E-01 (4.810E-02)	4.784E-01 (7.630E-02)
09/18/1995		4.770E-02 (4.400E-02)	5.480E+01 (1.010E+01)	2.300E-01 (5.810E-02)	6.890E-03 (1.220E-02)	2.230E-01 (5.600E-02)	4.599E-01 (8.161E-02)
12/07/1995		6.460E-02 (5.660E-02)	3.180E+01 (8.590E+00)	1.960E-01 (5.360E-02)	6.530E-03 (1.140E-02)	1.290E-01 (4.170E-02)	3.315E-01 (6.886E-02)
MEAN		1.707E-01	5.938E+01	2.235E-01	6.278E-03	1.893E-01	4.190E-01
MINIMUM		4.770E-02	3.180E+01	1.960E-01	5.430E-03	1.290E-01	3.315E-01
MAXIMUM		4.760E-01	1.170E+02	2.710E-01	6.890E-03	2.230E-01	4.784E-01
2STD. ERR		2.045E-01	3.980E+01	3.539E-02	6.211E-04	4.131E-02	6.587E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 SR-90 REFER TO 1/24/96 INCIDENT REPORT. SAMPLE HAD CHEMICAL YIELD LESS THAN 20 PERCENT.

2105 RICHLAND PUMPHOUSE-4 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRTIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/17/1995		4.030E-01 (9.040E-02)	5.960E+01 (1.050E+01)	2.150E-01 (4.640E-02)	5.140E-03 (7.790E-03)	1.320E-01 (3.460E-02)	3.521E-01 (5.840E-02)
06/16/1995		7.150E-02 (4.150E-02)	3.230E+01 (8.390E+00)	2.110E-01 (4.920E-02)	4.460E-03 (9.210E-03)	1.640E-01 (4.160E-02)	3.795E-01 (6.508E-02)
09/18/1995		8.340E-02 (5.000E-02)	4.850E+01 (9.680E+00)	2.790E-01 (7.510E-02)	1.130E-02 (1.870E-02)	2.160E-01 (6.410E-02)	5.063E-01 (1.005E-01)
12/07/1995	1	NR	3.220E+01 (8.540E+00)	1.730E-01 (4.200E-02)	< -3.400E-04 (5.810E-03)	1.240E-01 (3.420E-02)	2.967E-01 (5.447E-02)
MEAN		1.861E-01	4.315E+01	2.195E-01	5.140E-03	1.590E-01	3.836E-01
MINIMUM		7.150E-02	3.220E+01	1.730E-01	< -3.400E-04	1.240E-01	2.967E-01
MAXIMUM		4.030E-01	5.960E+01	2.790E-01	1.130E-02	2.160E-01	5.063E-01
2STD. ERR		2.171E-01	1.338E+01	4.395E-02	4.776E-03	4.175E-02	8.873E-02

2106 RICHLAND PUMPHOUSE-5 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRTIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/17/1995		1.090E-01 (3.670E-02)	4.740E+01 (9.580E+00)	2.800E-01 (6.070E-02)	3.820E-03 (7.920E-03)	1.940E-01 (4.810E-02)	4.778E-01 (7.785E-02)
06/16/1995		8.850E-02 (4.290E-02)	3.520E+01 (8.600E+00)	2.130E-01 (5.000E-02)	9.740E-03 (1.120E-02)	1.770E-01 (4.440E-02)	3.997E-01 (6.780E-02)
09/18/1995		1.060E-01 (5.400E-02)	5.390E+01 (1.010E+01)	1.920E-01 (5.140E-02)	9.530E-03 (1.400E-02)	2.070E-01 (5.250E-02)	4.085E-01 (7.479E-02)
12/07/1995		7.780E-02 (8.590E-02)	3.140E+01 (8.550E+00)	1.730E-01 (4.220E-02)	4.620E-03 (8.970E-03)	1.430E-01 (3.710E-02)	3.206E-01 (5.690E-02)
MEAN		9.533E-02	4.198E+01	2.145E-01	6.928E-03	1.803E-01	4.017E-01
MINIMUM		7.780E-02	3.140E+01	1.730E-01	3.820E-03	1.430E-01	3.206E-01
MAXIMUM		1.090E-01	5.390E+01	2.800E-01	9.740E-03	2.070E-01	4.778E-01
2STD. ERR		1.477E-02	1.048E+01	4.662E-02	3.145E-03	2.771E-02	6.434E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
1 SR-90 REFER TO 1/24/96 INCIDENT REPORT, RESULT LOST AT LAB.

2107 RICHLAND PUMPHOUSE-6 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRTIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/17/1995		8.220E-02 (3.270E-02)	4.080E+01 (9.050E+00)	2.010E-01 (4.940E-02)	1.000E-02 (1.070E-02)	1.690E-01 (4.360E-02)	3.800E-01 (6.675E-02)
06/16/1995		8.430E-02 (4.550E-02)	3.610E+01 (8.670E+00)	2.840E-01 (6.170E-02)	< -5.170E-03 (6.190E-03)	1.880E-01 (4.800E-02)	4.668E-01 (7.842E-02)
09/18/1995		6.270E-02 (4.520E-02)	5.120E+01 (9.950E+00)	1.940E-01 (4.980E-02)	4.160E-03 (1.190E-02)	1.650E-01 (4.420E-02)	3.632E-01 (6.764E-02)
12/07/1995		7.400E-02 (5.490E-02)	2.560E+01 (8.270E+00)	1.630E-01 (4.600E-02)	1.000E-02 (1.210E-02)	1.670E-01 (4.560E-02)	3.400E-01 (6.589E-02)
MEAN		7.580E-02	3.843E+01	2.105E-01	4.748E-03	1.723E-01	3.875E-01
MINIMUM		6.270E-02	2.560E+01	1.630E-01	< -5.170E-03	1.650E-01	3.400E-01
MAXIMUM		8.430E-02	5.120E+01	2.840E-01	1.000E-02	1.880E-01	4.668E-01
2STD. ERR		9.799E-03	1.063E+01	5.171E-02	7.162E-03	1.063E-02	5.537E-02

2108 RICHLAND PUMPHOUSE-7 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_TRTIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/17/1995		9.340E-02 (3.570E-02)	4.240E+01 (9.180E+00)	2.790E-01 (5.450E-02)	1.970E-02 (1.280E-02)	1.980E-01 (4.370E-02)	4.967E-01 (7.102E-02)
06/16/1995		7.610E-02 (4.160E-02)	3.150E+01 (8.340E+00)	2.660E-01 (5.620E-02)	2.540E-04 (8.940E-03)	1.750E-01 (4.390E-02)	4.413E-01 (7.187E-02)
09/18/1995		8.630E-02 (5.370E-02)	5.260E+01 (1.010E+01)	2.190E-01 (5.350E-02)	< -2.450E-03 (5.570E-03)	1.470E-01 (4.210E-02)	3.636E-01 (6.831E-02)
12/07/1995		4.550E-01 (1.210E-01)	3.170E+01 (8.510E+00)	1.910E-01 (4.560E-02)	5.790E-03 (9.240E-03)	1.260E-01 (3.560E-02)	3.228E-01 (5.858E-02)
MEAN		1.777E-01	3.955E+01	2.388E-01	5.823E-03	1.615E-01	4.061E-01
MINIMUM		7.610E-02	3.150E+01	1.910E-01	< -2.450E-03	1.260E-01	3.228E-01
MAXIMUM		4.550E-01	5.260E+01	2.790E-01	1.970E-02	1.980E-01	4.967E-01
2STD. ERR		1.850E-01	1.008E+01	4.096E-02	9.866E-03	3.154E-02	7.788E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2109 RICHLAND PUMPHOUSE-8 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/17/1995		7.530E-02 (3.390E-02)	4.280E+01 (9.190E+00)	2.340E-01 (5.560E-02)	3.160E-03 (8.440E-03)	2.210E-01 (5.270E-02)	4.582E-01 (7.707E-02)
06/16/1995		5.940E-02 (4.350E-02)	3.150E+01 (8.460E+00)	2.340E-01 (5.040E-02)	8.200E-03 (9.250E-03)	1.980E-01 (4.490E-02)	4.402E-01 (6.813E-02)
09/18/1995		1.060E-01 (5.040E-02)	5.330E+01 (1.010E+01)	2.520E-01 (6.870E-02)	5.330E-03 (1.490E-02)	1.760E-01 (5.490E-02)	4.333E-01 (8.919E-02)
12/07/1995		5.260E-02 (4.800E-02)	2.750E+01 (8.220E+00)	2.130E-01 (5.100E-02)	1.140E-02 (1.220E-02)	1.230E-01 (3.680E-02)	3.474E-01 (6.406E-02)
MEAN		7.333E-02	3.878E+01	2.333E-01	7.022E-03	1.795E-01	4.198E-01
MINIMUM		5.260E-02	2.750E+01	2.130E-01	3.160E-03	1.230E-01	3.474E-01
MAXIMUM		1.060E-01	5.330E+01	2.520E-01	1.140E-02	2.210E-01	4.582E-01
2STD. ERR		2.377E-02	1.165E+01	1.595E-02	3.575E-03	4.191E-02	4.937E-02

2110 RICHLAND PUMPHOUSE-9 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/17/1995		9.740E-02 (3.500E-02)	4.170E+01 (9.140E+00)	3.930E-01 (8.150E-02)	1.260E-02 (1.390E-02)	3.450E-01 (7.450E-02)	7.506E-01 (1.113E-01)
06/16/1995		6.610E-02 (4.300E-02)	3.600E+01 (8.590E+00)	2.560E-01 (5.350E-02)	2.360E-03 (8.100E-03)	2.260E-01 (4.890E-02)	4.844E-01 (7.293E-02)
09/18/1995		7.150E-02 (4.830E-02)	4.960E+01 (9.860E+00)	2.480E-01 (6.760E-02)	1.100E-02 (1.540E-02)	2.870E-01 (7.160E-02)	5.460E-01 (9.967E-02)
12/07/1995		7.770E-02 (4.950E-02)	2.690E+01 (8.210E+00)	1.690E-01 (4.840E-02)	1.680E-02 (1.540E-02)	1.970E-01 (5.200E-02)	3.828E-01 (7.269E-02)
MEAN		7.818E-02	3.855E+01	2.665E-01	1.069E-02	2.638E-01	5.409E-01
MINIMUM		6.610E-02	2.690E+01	1.690E-01	2.360E-03	1.970E-01	3.828E-01
MAXIMUM		9.740E-02	4.960E+01	3.930E-01	1.680E-02	3.450E-01	7.506E-01
2STD. ERR		1.366E-02	9.561E+00	9.303E-02	6.068E-03	6.589E-02	1.551E-01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

2111 RICHLAND PMHOUSE-10 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_Tritium PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/17/1995		1.060E-01 (4.060E-02)	4.210E+01 (9.150E+00)	3.990E-01 (7.290E-02)	8.870E-03 (1.130E-02)	3.160E-01 (6.210E-02)	7.239E-01 (9.643E-02)
06/16/1995		3.690E-01 (9.910E-02)	3.340E+01 (8.420E+00)	2.890E-01 (5.840E-02)	1.120E-02 (1.150E-02)	2.810E-01 (5.670E-02)	5.812E-01 (8.221E-02)
09/18/1995		1.080E-01 (8.100E-02)	4.740E+01 (9.650E+00)	3.250E-01 (6.970E-02)	1.630E-02 (1.460E-02)	2.350E-01 (5.680E-02)	5.763E-01 (9.109E-02)
12/07/1995		6.890E-02 (4.800E-02)	2.870E+01 (8.380E+00)	3.760E-01 (7.880E-02)	3.160E-03 (1.180E-02)	2.830E-01 (6.490E-02)	6.622E-01 (1.028E-01)
MEAN		1.630E-01	3.790E+01	3.473E-01	9.883E-03	2.788E-01	6.359E-01
MINIMUM		6.890E-02	2.870E+01	2.890E-01	3.160E-03	2.350E-01	5.763E-01
MAXIMUM		3.690E-01	4.740E+01	3.990E-01	1.630E-02	3.160E-01	7.239E-01
2STD. ERR		1.385E-01	8.422E+00	4.964E-02	5.451E-03	3.329E-02	7.065E-02

2012 VERNITA-1 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO_Tritium PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/16/1995		1.220E-01 (3.860E-02)	3.920E+01 (9.000E+00)	2.920E-01 (6.500E-02)	6.880E-03 (1.290E-02)	2.310E-01 (5.600E-02)	5.299E-01 (8.676E-02)
06/15/1995		7.450E-02 (4.620E-02)	3.300E+01 (8.400E+00)	2.370E-01 (5.110E-02)	1.390E-02 (1.140E-02)	1.430E-01 (3.740E-02)	3.939E-01 (6.434E-02)
09/11/1995		9.050E-02 (1.100E-01)	3.030E+01 (8.460E+00)	2.250E-01 (5.370E-02)	1.010E-03 (8.240E-03)	1.630E-01 (4.380E-02)	3.890E-01 (6.979E-02)
12/08/1995		6.760E-02 (4.950E-02)	2.910E+01 (8.320E+00)	2.180E-01 (5.030E-02)	1.140E-03 (7.650E-03)	1.590E-01 (4.110E-02)	3.781E-01 (6.541E-02)
MEAN		8.865E-02	3.290E+01	2.430E-01	5.733E-03	1.740E-01	4.227E-01
MINIMUM		6.760E-02	2.910E+01	2.180E-01	1.010E-03	1.430E-01	3.781E-01
MAXIMUM		1.220E-01	3.920E+01	2.920E-01	1.390E-02	2.310E-01	5.299E-01
2STD. ERR		2.421E-02	4.506E+00	3.360E-02	6.094E-03	3.897E-02	7.173E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

2013 VERNITA-2 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/16/1995		8.500E-02 (3.200E-02)	3.760E+01 (8.850E+00)	3.150E-01 (6.670E-02)	1.800E-03 (1.040E-02)	2.270E-01 (5.390E-02)	5.438E-01 (8.638E-02)
06/15/1995		3.980E-02 (3.940E-02)	3.300E+01 (8.410E+00)	2.300E-01 (5.050E-02)	9.660E-03 (1.040E-02)	1.550E-01 (3.950E-02)	3.947E-01 (6.495E-02)
09/11/1995		3.050E-02 (1.030E-01)	3.030E+01 (8.650E+00)	2.200E-01 (5.310E-02)	1.010E-02 (1.240E-02)	1.760E-01 (4.590E-02)	4.061E-01 (7.128E-02)
12/08/1995	1	1.150E-01 (8.180E-02)	3.310E+01 (8.550E+00)	2.050E-01 (5.090E-02)	2.090E-02 (1.620E-02)	1.500E-01 (4.230E-02)	3.759E-01 (6.814E-02)
MEAN		6.758E-02	3.350E+01	2.455E-01	1.062E-02	1.770E-01	4.301E-01
MINIMUM		3.050E-02	3.030E+01	2.050E-01	1.800E-03	1.500E-01	3.759E-01
MAXIMUM		1.150E-01	3.760E+01	3.150E-01	2.090E-02	2.270E-01	5.438E-01
2STD. ERR		3.958E-02	3.025E+00	4.941E-02	7.846E-03	3.519E-02	7.681E-02

2014 VERNITA-3 (RIVER , RAW GRAB , TRANSECT)

OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/16/1995		1.080E-01 (3.730E-02)	3.640E+01 (8.780E+00)	2.840E-01 (5.810E-02)	6.440E-03 (1.010E-02)	2.150E-01 (4.840E-02)	5.054E-01 (7.629E-02)
06/15/1995		7.630E-02 (4.190E-02)	3.390E+01 (8.530E+00)	2.320E-01 (5.000E-02)	8.600E-03 (1.070E-02)	1.730E-01 (4.120E-02)	4.136E-01 (6.567E-02)
09/11/1995		1.310E-01 (1.090E-01)	3.460E+01 (8.980E+00)	2.460E-01 (5.280E-02)	6.590E-03 (1.080E-02)	1.500E-01 (3.890E-02)	4.026E-01 (6.647E-02)
12/08/1995	2	1.160E-01 (5.240E-02)	3.040E+01 (8.400E+00)	2.210E-01 (5.060E-02)	8.060E-03 (1.030E-02)	1.780E-01 (4.400E-02)	4.071E-01 (6.784E-02)
MEAN		1.078E-01	3.383E+01	2.458E-01	7.422E-03	1.790E-01	4.322E-01
MINIMUM		7.630E-02	3.040E+01	2.210E-01	6.440E-03	1.500E-01	4.026E-01
MAXIMUM		1.310E-01	3.640E+01	2.840E-01	8.600E-03	2.150E-01	5.054E-01
2STD. ERR		2.308E-02	2.514E+00	2.748E-02	1.073E-03	2.692E-02	4.905E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 SR-90 REFER TO 1/24/96 INCIDENT REPORT. SAMPLE HAD CHEMICAL YIELD LESS THAN 20 PERCENT.

2 BOAT ENGINE LEFT RUNNING WHEN SAMPLES WERE COLLECTED.

2015 VERNITA-4		(RIVER , RAW GRAB , TRANSECT)							
OFF DATE	COM	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L		
03/16/1995		6.430E-02 (2.840E-02)	3.680E+01 (8.880E+00)	2.850E-01 (6.220E-02)	7.140E-03 (1.190E-02)	2.890E-01 (6.190E-02)	5.811E-01 (8.56E-02)		
06/15/1995		5.350E-02 (3.670E-02)	3.350E+01 (8.470E+00)	2.790E-01 (5.710E-02)	< -1.390E-03 (6.180E-03)	1.780E-01 (4.320E-02)	4.556E-01 (7.187E-02)		
09/11/1995		3.860E-02 (9.860E-02)	3.000E+01 (8.460E+00)	1.950E-01 (4.520E-02)	< -2.770E-03 (6.110E-03)	1.610E-01 (3.970E-02)	3.532E-01 (6.047E-02)		
12/08/1995	1	1.340E-01 (5.980E-02)	3.570E+01 (8.780E+00)	2.020E-01 (4.770E-02)	2.400E-03 (8.890E-03)	1.810E-01 (4.400E-02)	3.854E-01 (6.550E-02)		
MEAN		7.260E-02	3.400E+01	2.403E-01	1.345E-03	2.023E-01	4.438E-01		
MINIMUM		3.860E-02	3.000E+01	1.950E-01	< -2.770E-03	1.610E-01	3.532E-01		
MAXIMUM		1.340E-01	3.680E+01	2.850E-01	7.140E-03	2.890E-01	5.811E-01		
2STD. ERR		4.227E-02	2.999E+00	4.836E-02	4.439E-03	5.850E-02	1.010E-01		

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
1 BOAT ENGINE LEFT RUNNING WHEN SAMPLES WERE COLLECTED.

2116 100 N SPRING 8-13 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L
08/29/1995		4.260E-02 (3.560E-01)	1.480E+00 (1.490E+00)	< -1.230E-01 (1.420E+00)	< -1.180E-01 (1.360E+00)	7.900E-02 (1.040E-01)	8.420E-01 (6.170E-01)	1.200E+04 (9.690E+02)	1.290E-01 (3.770E-02)

2116 100 N SPRING 8-13 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
08/29/1995		< -5.260E-04 (6.220E-03)	1.110E-01 (3.400E-02)	2.395E-01 (5.115E-02)

2117 100 N SPRING 8-13 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L
09/11/1995	1	NR	NR	NR	NR	NR	NR	NR	NR

2117 100 N SPRING 8-13 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L
09/11/1995	1	NR	NR

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 1 NO SAMPLE. UNABLE TO COLLECT.

2112 100-B SPRING (SURFACE , RAW GRAB , UNFILTERED)											
OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L		
08/28/1995	1	2.440E+00 (1.240E+00)	1.240E+01 (2.640E+00)	1.760E+00 (2.130E+00)	< -1.100E+00 (2.210E+00)	1.980E-02 (1.490E-01)	2.530E+01 (3.160E+00)	2.250E+04 (1.730E+03)	1.710E+00 (2.090E-01)		

2112 100-B SPRING (SURFACE , RAW GRAB , UNFILTERED)											
OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L							
08/28/1995	1	4.560E-02 (2.000E-02)	1.400E+00 (1.760E-01)	3.156E+00 (2.740E-01)							

2120 100-D SPRING (SURFACE , RAW GRAB , UNFILTERED)											
OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L		
08/29/1995		1.280E+00 (8.320E-01)	2.140E+00 (1.560E+00)	2.740E+00 (1.760E+00)	1.670E-01 (2.080E+00)	6.940E-02 (9.570E-02)	< -1.170E-01 (5.420E-01)	8.650E+01 (1.330E+02)	1.590E-01 (4.050E-02)		

2120 100-D SPRING (SURFACE , RAW GRAB , UNFILTERED)											
OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L							
08/29/1995		< -1.090E-03 (3.900E-03)	1.250E-01 (3.450E-02)	2.829E-01 (5.335E-02)							

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
1 HIGH AMOUNT OF SUSPENDED SEDIMENT IN THE SAMPLE.

2121 100-D SPRING (SURFACE , RAW GRAB , UNFILTERED)										
OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L	
09/11/1995		9.300E-01 (9.050E-01)	9.300E+00 (2.390E+00)	< -1.860E+00 (1.700E+00)	2.640E-01 (1.710E+00)	3.960E+00 (8.710E-01)	< -1.820E-01 (1.010E+00)	5.870E+03 (5.310E+02)	6.660E-01 (1.040E-01)	

2121 100-D SPRING (SURFACE , RAW GRAB , UNFILTERED)										
OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L						
09/11/1995		1.710E-02 (1.320E-02)	5.700E-01 (9.200E-02)	1.253E+00 (1.395E-01)						

2124 100-F SPRING (SURFACE , RAW GRAB , UNFILTERED)										
OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99	TRITIUM PCI/L	U-234 PCI/L	
09/12/1995	1	3.730E+00 (1.710E+00)	1.740E+00 (1.630E+00)	6.240E-01 (1.970E+00)	1.120E+00 (1.970E+00)	< -3.030E-02 (4.270E-02)	NR	1.620E+03 (2.330E+02)	1.780E+00 (2.300E-01)	

2124 100-F SPRING (SURFACE , RAW GRAB , UNFILTERED)										
OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L						
09/12/1995		5.630E-02 (2.440E-02)	1.530E+00 (2.030E-01)	3.366E+00 (3.077E-01)						

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.

1 TC-99 REFER TO 3/12/96 AND 4/12/96 INCIDENT REPORTS. REQUESTED TC-99 FROM GAMMA FRACTION, BUT LAB UNABLE TO PERFORM.

(SURFACE , RAW GRAB , UNFILTERED)										
2122 100-H SPRING	ALPHA	BETA	CO-60	CS-137	SR-90	TC-99	TRITIUM	U-234		
OFF DATE COM	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L		
09/05/1995	3.910E+00 (1.640E+00)	3.940E+01 (4.720E+00)	< -4.080E+00 (6.370E+00)	3.020E+00 (4.160E+00)	1.240E+01 (2.420E+00)	1.360E+02 (1.520E+01)	1.100E+03 (1.940E+02)	4.350E+00 (5.330E-01)		

(SURFACE , RAW GRAB , UNFILTERED)										
2122 100-H SPRING	U-235	U-238	UIISO_TOTAL							
OFF DATE COM	PCI/L	PCI/L	PCI/L							
09/05/1995	2.010E-01 (5.340E-02)	3.400E+00 (4.250E-01)	7.951E+00 (6.838E-01)							

(SURFACE , RAW GRAB , UNFILTERED)										
2114 100-K SPRING	ALPHA	BETA	CO-60	CS-137	SR-90	TC-99	TRITIUM	U-234		
OFF DATE COM	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L		
09/05/1995	6.090E-01 (7.220E-01)	1.840E+00 (1.610E+00)	2.120E+00 (2.780E+00)	3.230E+00 (2.250E+00)	< -2.440E-02 (1.160E-01)	< -2.110E-02 (5.120E-01)	1.970E+04 (1.530E+03)	6.970E-01 (1.090E-01)		

(SURFACE , RAW GRAB , UNFILTERED)										
2114 100-K SPRING	U-235	U-238	UIISO_TOTAL							
OFF DATE COM	PCI/L	PCI/L	PCI/L							
09/05/1995	3.670E-02 (1.960E-02)	5.380E-01 (8.960E-02)	1.272E+00 (1.425E-01)							

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis

2128 300 AREA SPRING 42-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L
09/05/1995	1	4.160E+01 (8.790E+00)	6.420E+00 (2.030E+00)	1.790E+00 (1.370E+00)	2.140E-01 (1.650E+00)	1.950E-01 (1.100E-01)	1.350E+01 (1.860E+00)	1.160E+04 (9.400E+02)	4.700E+01 (4.960E+00)

2128 300 AREA SPRING 42-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/05/1995	1	NR	3.990E+01 (4.210E+00)	8.690E+01 (6.506E+00)

2788 300 AREA SPRING 42-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	I-129 PCI/L
09/05/1995		4.923E-03 (6.302E-04)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 1 U-235 REFER TO 3/12/96 INCIDENT REPORT, U-235 ACTIVITY COULD NOT BE CALCULATED.

2126 HANFORD SPRING 28-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L
09/05/1995		8.210E-01 (8.540E-01)	6.120E+00 (2.080E+00)	2.450E+00 (1.330E+00)	< -1.120E-01 (1.290E+00)	8.230E-02 (1.150E-01)	6.110E+00 (1.090E+00)	2.220E+04 (1.710E+03)	1.310E+00 (1.810E-01)

2126 HANFORD SPRING 28-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	UISO_TOTAL PCI/L
09/05/1995		2.910E-02 (1.860E-02)	9.790E-01 (1.430E-01)	2.318E+00 (2.314E-01)

2787 HANFORD SPRING 28-2 (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	I-129 PCI/L
09/05/1995		6.381E-02 (5.743E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis

2755 B POND EXTENSION (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L
01/03/1995		2.850E-01 (4.860E-01)	1.600E+00 (1.470E+00)	1.050E+00 (8.020E-01)	1.140E+00 (7.990E-01)	1.500E-01 (1.370E-01)	< -1.510E-01 (1.390E+00)	8.360E+01 (1.820E+02)
04/04/1995	1	5.930E-01 (5.740E-01)	1.650E+00 (1.450E+00)	< -8.170E-01 (1.310E+00)	< -5.360E-01 (1.190E+00)	6.650E-02 (3.660E-02)	2.120E+00 (2.690E+00)	8.040E+01 (1.380E+02)
07/05/1995		1.450E-01 (3.800E-01)	3.860E+00 (1.740E+00)	< -1.870E+00 (1.790E+00)	4.430E+00 (1.480E+00)	2.350E-02 (5.110E-01)	2.390E-01 (5.110E-01)	1.020E+02 (1.480E+02)
10/03/1995	2	NR	NR	NR	NR	NR	NR	NR
11/21/1995		3.630E-01 (4.890E-01)	1.000E+00 (1.440E+00)	< -1.450E-01 (1.050E+00)	1.190E+00 (1.020E+00)	1.210E-01 (8.670E-02)	< -5.000E-04 (7.050E-01)	1.050E+02 (1.460E+02)
MEAN		3.465E-01	2.028E+00	-4.455E-01	1.566E+00	9.025E-02	5.519E-01	9.275E+01
MINIMUM		1.450E-01	1.000E+00	< -1.870E+00	< -5.360E-01	2.350E-02	< -1.510E-01	8.040E+01
MAXIMUM		5.930E-01	3.860E+00	1.050E+00	4.430E+00	1.500E-01	2.120E+00	1.050E+02
2STD. ERR		1.875E-01	1.257E+00	1.224E+00	2.077E+00	5.638E-02	1.058E+00	1.254E+01

2133 FTFP POND (SURFACE , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TRITIUM PCI/L
01/03/1995		< -3.390E-01 (4.480E-01)	9.610E+00 (2.390E+00)	1.390E+00 (1.130E+00)	5.850E-01 (9.130E-01)	6.490E+03 (6.050E+02)
04/04/1995		2.460E-01 (6.110E-01)	1.770E+01 (3.100E+00)	< -6.890E-02 (1.310E+00)	< -1.720E-01 (1.030E+00)	5.500E+03 (5.120E+02)
07/05/1995		2.180E+00 (1.440E+00)	1.340E+01 (2.740E+00)	< -1.090E+00 (1.430E+00)	6.310E-01 (1.030E+00)	1.640E+04 (1.290E+03)
10/03/1995		< -7.390E-01 (9.740E-01)	1.500E+01 (2.870E+00)	8.980E-01 (1.220E+00)	< -8.710E-01 (1.240E+00)	4.900E+03 (4.700E+02)
MEAN		3.370E-01	1.393E+01	2.823E-01	4.325E-02	8.323E+03
MINIMUM		< -7.390E-01	9.610E+00	< -1.090E+00	< -8.710E-01	4.900E+03
MAXIMUM		2.180E+00	1.770E+01	1.390E+00	6.310E-01	1.640E+04
2STD. ERR		1.294E+00	3.381E+00	1.097E+00	7.121E-01	5.425E+03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

na - Not routinely analyzed or analyzed on a less frequent basis

1 TC-99 REFER TO 5/16/95 INCIDENT REPORT, RESULT LOST AT LAB, HOWEVER, GAMMA FRACTION WAS USED TO RUN TC-99.

2 NO SAMPLE. RWP HAS EXPIRED, UNABLE TO ENTER RADIATION ZONE.

(SURFACE , RAW GRAB , UNFILTERED)								
2131 WEST LAKE	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	TRITIUM PCI/L	U-234 PCI/L
OFF DATE COM	NR	NR	NR	NR	NR	NR	NR	NR
01/03/1995 1								
03/15/1995	2.850E+02 (1.320E+02)	3.100E+02 (5.580E+01)	1.830E+00 (1.980E+00)	< -1.740E+00 (2.260E+00)	5.530E-01 (1.850E-01)	9.090E+00 (1.400E+00)	1.830E+02 (1.360E+02)	1.750E+02 (1.910E+01)
04/04/1995	2.680E+02 (1.250E+02)	2.460E+02 (6.830E+01)	1.090E+00 (2.260E+00)	4.160E+00 (2.890E+00)	2.360E-01 (1.310E-01)	3.180E+01 (3.840E+00)	2.990E+02 (1.500E+02)	1.130E+02 (1.250E+01)
07/05/1995 2	NR	NR	NR	NR	NR	NR	NR	NR
10/04/1995 3	2.830E+02 (6.910E+01)	4.580E+02 (7.040E+01)	3.240E+00 (6.650E+00)	< -1.490E+00 (1.040E+01)	NR	2.000E+01 (3.020E+00)	2.500E+02 (1.580E+02)	1.360E+03 (1.740E+02)
MEAN	2.787E+02	3.380E+02	2.053E+00	3.100E-01	3.947E-01	2.030E+01	2.440E+02	5.493E+02
MINIMUM	2.680E+02	2.460E+02	1.090E+00	< -1.740E+00	2.360E-01	9.090E+00	1.830E+02	1.130E+02
MAXIMUM	2.850E+02	4.580E+02	3.240E+00	4.160E+00	5.530E-01	3.180E+01	2.990E+02	1.360E+03
2STD. ERR	1.073E+01	1.256E+02	1.261E+00	3.853E+00	3.170E-01	1.311E+01	6.724E+01	8.115E+02

(SURFACE , RAW GRAB , UNFILTERED)												
2131 WEST LAKE	U-235	U-238	UISO_TOTAL	U-235	U-238	UISO_TOTAL	U-235	U-238	UISO_TOTAL	U-235	U-238	UISO_TOTAL
OFF DATE COM	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L
01/03/1995 1	NR	NR	nra	NR	NR	nra	NR	NR	nra	NR	NR	nra
03/15/1995	6.860E+00 (9.380E-01)	1.640E+02 (1.800E+01)	3.459E+02 (2.626E+01)	6.860E+00 (9.380E-01)	1.640E+02 (1.800E+01)	3.459E+02 (2.626E+01)	6.860E+00 (9.380E-01)	1.640E+02 (1.800E+01)	3.459E+02 (2.626E+01)	6.860E+00 (9.380E-01)	1.640E+02 (1.800E+01)	3.459E+02 (2.626E+01)
04/04/1995	4.270E+00 (6.490E-01)	1.050E+02 (1.160E+01)	2.223E+02 (1.707E+01)	4.270E+00 (6.490E-01)	1.050E+02 (1.160E+01)	2.223E+02 (1.707E+01)	4.270E+00 (6.490E-01)	1.050E+02 (1.160E+01)	2.223E+02 (1.707E+01)	4.270E+00 (6.490E-01)	1.050E+02 (1.160E+01)	2.223E+02 (1.707E+01)
07/05/1995 2	NR	NR	nra	NR	NR	nra	NR	NR	nra	NR	NR	nra
10/04/1995 3	5.250E+01 (7.410E+00)	1.250E+03 (1.600E+02)	2.663E+03 (2.365E+02)	5.250E+01 (7.410E+00)	1.250E+03 (1.600E+02)	2.663E+03 (2.365E+02)	5.250E+01 (7.410E+00)	1.250E+03 (1.600E+02)	2.663E+03 (2.365E+02)	5.250E+01 (7.410E+00)	1.250E+03 (1.600E+02)	2.663E+03 (2.365E+02)
MEAN	2.121E+01	5.063E+02	1.077E+03	2.121E+01	5.063E+02	1.077E+03	2.121E+01	5.063E+02	1.077E+03	2.121E+01	5.063E+02	1.077E+03
MINIMUM	4.270E+00	1.050E+02	2.223E+02	4.270E+00	1.050E+02	2.223E+02	4.270E+00	1.050E+02	2.223E+02	4.270E+00	1.050E+02	2.223E+02
MAXIMUM	5.250E+01	1.250E+03	2.663E+03	5.250E+01	1.250E+03	2.663E+03	5.250E+01	1.250E+03	2.663E+03	5.250E+01	1.250E+03	2.663E+03
2STD. ERR	3.133E+01	7.444E+02	1.587E+03	3.133E+01	7.444E+02	1.587E+03	3.133E+01	7.444E+02	1.587E+03	3.133E+01	7.444E+02	1.587E+03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 NO SAMPLE. WEST LAKE FROZEN.

2 NO SAMPLE. NO WATER AVAILABLE.

3 PER LAB, SAMPLE IS VERY BASIC. AN ALIQUOT WAS PULLED FOR TRITIUM. REMAINDER OF SAMPLE NEUTRALIZED BY ADDING 1-2 LITERS OF ACID.

SR-90 NO SAMPLE. LOST AT LAB, REFER TO 12/1/95 INCIDENT REPORT.

2141 RIVERVIEW CANAL (IRRIGATION , RAW GRAB , UNFILTERED)									
OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L
06/07/1995		3.830E-01	< -2.400E-01	< -1.540E+00	1.610E+00	6.080E-02	1.130E+01	2.190E-01	1.110E-02
		(4.690E-01)	(1.250E+00)	(1.440E+00)	(9.770E-01)	(3.610E-02)	(1.420E+02)	(5.560E-02)	(1.510E-02)
07/05/1995	1	6.400E-01	1.940E+00	< -1.670E+00	5.930E-01	1.330E-02	1.390E+02	3.380E-01	7.410E-03
		(6.050E-01)	(1.580E+00)	(1.570E+00)	(1.060E+00)	(2.630E-02)	(1.500E+02)	(7.890E-02)	(1.350E-02)
07/27/1995		2.090E-01	1.800E+00	2.180E-01	2.060E-01	7.810E-02	5.110E+00	2.550E-01	1.430E-02
		(3.860E-01)	(1.470E+00)	(8.480E-01)	(9.310E-01)	(3.650E-02)	(1.380E+02)	(5.470E-02)	(1.230E-02)
MEAN		4.107E-01	1.167E+00	-9.973E-01	8.030E-01	5.073E-02	5.180E+01	2.707E-01	1.094E-02
MINIMUM		2.090E-01	< -2.400E-01	< -1.670E+00	2.060E-01	1.330E-02	5.110E+00	2.190E-01	7.410E-03
MAXIMUM		6.400E-01	1.940E+00	2.180E-01	1.610E+00	7.810E-02	1.390E+02	3.380E-01	1.430E-02
2STD. ERR		2.504E-01	1.409E+00	1.218E+00	8.374E-01	3.874E-02	8.727E+01	7.047E-02	3.981E-03

2141 RIVERVIEW CANAL (IRRIGATION , RAW GRAB , UNFILTERED)			
OFF DATE	COM	U-238 PCI/L	UISO_TOTAL PCI/L
06/07/1995		2.040E-01 { 5.230E-02}	4.341E-01 { 7.781E-02}
07/05/1995	1	1.790E-01 { 5.410E-02}	5.244E-01 { 9.661E-02}
07/27/1995		1.770E-01 { 4.340E-02}	4.463E-01 { 7.090E-02}
MEAN		1.867E-01	4.683E-01
MINIMUM		1.770E-01	4.341E-01
MAXIMUM		2.040E-01	5.244E-01
2STD. ERR		1.737E-02	5.658E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis
 1 SR-90 RESULT MODIFIED BY LAB ON 1/5/96, REFER TO FOLLOW-UP ORDER W027.

2140 ALEXANDER FARM (SANITARY , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
06/07/1995		1.480E+01 (4.000E+00)	1.140E+01 (2.580E+00)	< -3.950E-01 (1.370E+00)	6.430E-01 (1.510E+00)	1.020E+02 (1.470E+02)	2.310E+01 (2.610E+00)	5.620E-01 (1.000E-01)	1.430E+01 (1.630E+00)

2140 ALEXANDER FARM (SANITARY , RAW GRAB , UNFILTERED)

OFF DATE	COM	UISO_TOTAL PCI/L
06/07/1995		3.796E+01 (3.079E+00)

2137 MATHEWS CORNER (SANITARY , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
06/07/1995		3.700E+00 (1.910E+00)	3.680E+00 (1.730E+00)	2.130E-01 (1.090E+00)	7.570E-01 (1.070E+00)	5.430E+01 (1.440E+02)	3.060E+00 (3.630E-01)	8.190E-02 (2.860E-02)	2.550E+00 (3.070E-01)

2137 MATHEWS CORNER (SANITARY , RAW GRAB , UNFILTERED)

OFF DATE	COM	UISO_TOTAL PCI/L
06/07/1995		5.692E+00 (4.763E-01)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis

2136 RINGOLD HATCHERY (SANITARY , RAW GRAB , UNFILTERED)									
OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
06/07/1995		4.860E-01 (7.880E-01)	9.940E+00 (2.430E+00)	7.750E-01 (1.080E+00)	9.360E-02 (1.170E+00)	< -2.970E+01 (1.400E+02)	2.360E-01 (5.520E-02)	3.780E-03 (1.090E-02)	1.330E-01 (4.000E-02)

2136 RINGOLD HATCHERY (SANITARY , RAW GRAB , UNFILTERED)									
UIISO_TOTAL									
OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
06/07/1995		3.728E-01 (6.904E-02)							

2139 WHITE BLUFFS-DEEP (SANITARY , RAW GRAB , UNFILTERED)									
OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
06/07/1995		< -2.330E-01 (3.190E-01)	9.090E+00 (2.290E+00)	7.410E-02 (1.170E+00)	6.580E-01 (1.050E+00)	< -1.050E+02 (1.360E+02)	1.350E-02 (1.800E-02)	< -5.220E-03 (6.320E-03)	8.380E-03 (1.540E-02)

2139 WHITE BLUFFS-DEEP (SANITARY , RAW GRAB , UNFILTERED)									
UIISO_TOTAL									
OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
06/07/1995		1.666E-02 (2.452E-02)							

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis

2138 WHITE BLUFFS-SHALLOW (SANITARY , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	TRITIUM PCI/L	U-234 PCI/L	U-235 PCI/L	U-238 PCI/L
06/07/1995		< -9.900E-02 (5.110E-01)	6.660E+00 (1.990E+00)	1.380E-01 (1.270E+00)	7.280E-01 (1.110E+00)	< -8.760E+01 (1.370E+02)	< -1.090E-02 (9.710E-03)	< -4.640E-03 (2.770E-03)	< -5.720E-03 (9.740E-03)

2138 WHITE BLUFFS-SHALLOW (SANITARY , RAW GRAB , UNFILTERED)

OFF DATE	COM	UIISO_TOTAL PCI/L
06/07/1995		< -2.126E-02 (1.403E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis

Table W-1. Preliminary USGS Columbia River Water Quality Data for Vernita Bridge Near Priest Rapids Dam, Washington

Date	Discharge (cfs)	Specific Conductance (uS/cm)		pH	Temperature (°C)	Turbidity (NTU)	Oxygen, Dissolved (mg/L)		Oxygen, (% saturation)	Coliform, Fecal (colonies/100 mL)		Streptococci, Fecal (colonies/100 mL)		Hardness, Total (mg/L as CaCO ₃)		Hardness, Noncarbonate (mg/L as CaCO ₃)	
03/08/95	115,000	148		8.0	3.5	1.2	13.2		102	K2 ^(a)		K12 ^(a)		70		7	
05/16/95	144,000	134		8.2	11.0	1.7	12.4		115	K8 ^(a)		25		62		9	
07/25/95	77,500	132		8.1	19.0	1.2	10.0		109	K2 ^(a)		420		56		0	
09/19/95	45,500	140		8.0	20.0	0.7	9.1		101	K1 ^(a)		800		59		4	

Date	Calcium, Dissolved (mg/L)	Magnesium, Dissolved (mg/L)	Sodium, Dissolved (mg/L)	Sodium, Percent	Sodium Adsorption Ratio	Potassium, Dissolved (mg/L)	Alkalinity (mg/L as CaCO ₃)	Bicarbonate (mg/L as CaCO ₃)	Carbonate (mg/L as CaCO ₃)	Sulfate, Dissolved (mg/L)	Chloride, Dissolved (mg/L)
03/08/95	20	4.9	2.5	7	0.1	0.9	63	77	0	8.6	1.4
05/16/95	18	4.1	2.7	9	0.1	0.9	53	65	0	6.8	1.5
07/25/95	16	3.9	2.5	9	0.1	0.7	56	68	0	7.7	1.3
09/19/95	17	4.1	2.3	8	0.1	0.8	56	68	0	9.1	1.8

Date	Fluoride, Dissolved (mg/L)	Silica, Dissolved (mg/L)	Solids, Residue at 180°C, Dissolved (mg/L)	Solids, Sum of Constituents, Dissolved (mg/L)	Solids, Dissolved (T/acc-ft)	Solids, Dissolved (T/d)	Nitrogen, Nitrate Dissolved (mg/L as N)	Nitrogen, NO ₂ +NO ₃ , Total (mg/L as N)	Nitrogen, NO ₂ +NO ₃ , Dissolved (mg/L as N)	Nitrogen, Ammonia, Dissolved (mg/L as N)	Nitrogen, Total Kjeldahl, (mg/L as N)
03/08/95	<0.1	6.6	85	84	0.12	26,400	<0.01	0.25	<0.015	<0.015	0.2
05/16/95	<0.1	6.9	79	73	0.11	30,700	<0.01	NA ^(b)	0.02	0.02	0.4
07/25/95	<0.1	5.6	71	72	0.10	14,900	<0.01	0.08	0.02	0.02	0.3
09/19/95	<0.1	4.3	79	73	0.11	9,710	<0.01	0.07	0.02	0.02	0.4

Date	Phosphorus, Total (mg/L as P)		Phosphorus, Ortho, Dissolved (mg/L as P)		Aluminum, Dissolved (ug/L)	Barium, Dissolved (ug/L)	Chromium, Dissolved (ug/L)	Cobalt, Dissolved (ug/L)	Iron, Dissolved (ug/L)	Lithium, Dissolved (ug/L)	Manganese, Dissolved (ug/L)	Molybdenum, Dissolved (ug/L)
03/08/95	<0.01	<0.01	<0.01	<0.01	10	29	NA ^(b)	<3	15	5	<1	<10
05/16/95	<0.01	<0.01	<0.01	<0.01	<10	27	NA ^(b)	<3	8	5	<1	<10
07/25/95	<0.01	<0.01	<0.01	<0.01	110	30	NA ^(b)	<3	3	6	<1	<10
09/19/95	0.01	<0.01	<0.01	<0.01	<10	28	NA ^(b)	<3	9	4	1	10

Date	Nickel, Dissolved (ug/L)	Selenium, Dissolved (ug/L)	Silver, Dissolved (ug/L)	Strontium, Dissolved (ug/L)	Vanadium, Dissolved (ug/L)	Carbon, Organic, Dissolved (mg/L)	Sediment, Suspended (mg/L)	Sediment Discharge, Suspended (T/d)
03/08/95	<1	<1	<1	95	<6	2.3	2	621
05/16/95	<1	<1	<1	84	<6	3.2	-	-
07/25/95	<1	<1	<1	74	<6	2.8	-	-
09/19/95	2	<1	<1	95	<6	3.3	-	-

(a) K signifies results based on colony count outside the acceptable range (non-ideal colony count).
(b) NA signifies constituent was not analyzed.

Table W-2. Preliminary USGS Columbia River Water Quality Data for Richland, Washington Near the Richland PumpHouse

Streptococcus

Date	Discharge (cfs)	Specific Conductance (uS/cm)	pH	Temperature (°C)	Turbidity (NTU)	Oxygen, Dissolved (mg/L)	Oxygen, Dissolved (% saturation)	Coliform, Fecal (colonies/100 mL)	Streptococci, Fecal (colonies/100 mL)	Hardness, Total (mg/L as CaCO ₃)	Hardness, Noncarbonate (mg/L as CaCO ₃)
03/10/95	NR(a)	152	8.1	3.5	1.1	12.6	98	K6(b)	K4(b)	70	8
05/15/95	NR(a)	137	8.2	11.5	2.1	12.2	114	K3(b)	50	60	2
08/08/95	NR(a)	140	8	19	1.1	9.2	99	K6(b)	440	63	5

Date	Calcium, Dissolved (mg/L)	Magnesium, Dissolved (mg/L)	Sodium, Dissolved (mg/L)	Sodium, Percent	Sodium Adsorption Ratio	Potassium, Dissolved (mg/L)	Alkalinity (mg/L as CaCO ₃)	Bicarbonate (mg/L as CaCO ₃)	Carbonate (mg/L as CaCO ₃)	Sulfate, Dissolved (mg/L)	Chloride, Dissolved (mg/L)
03/10/95	20	4.9	NA(c)	NA(c)	NA(c)	NA(c)	62	76	0	9.5	1.4
05/15/95	17	4.3	NA(c)	NA(c)	NA(c)	NA(c)	58	71	0	7.1	1.7
08/08/95	18	4.5	NA(c)	NA(c)	NA(c)	NA(c)	58	71	0	8.4	1.7

Date	Fluoride, Dissolved (mg/L)	Silica, Dissolved (mg/L)	Residue at 180°C, Dissolved (mg/L)	Solids, Dissolved (mg/L)	Sum of Constituents, Dissolved (mg/L)	Solids, Dissolved (TAC-R)	Solids, Dissolved (T/d)	Nitrogen, Nitrite Dissolved (mg/L as N)	Nitrogen, NO ₃ +NO ₂ , Total (mg/L as N)	Nitrogen, NO ₃ +NO ₂ , Dissolved (mg/L as N)	Nitrogen, Total Kjeldahl, (mg/L as N)
03/10/95	<0.1	NA(c)	87	NA(c)	NA(c)	NA(c)	NA(c)	<0.01	NA(c)	0.27	0.3
05/15/95	<0.1	NA(c)	84	NA(c)	NA(c)	NA(c)	NA(c)	<0.01	NA(c)	<0.05	0.4
08/08/95	0.1	NA(c)	81	NA(c)	NA(c)	NA(c)	NA(c)	<0.01	NA(c)	<0.05	0.4

Date	Phosphorus, Total (mg/L as P)	Phosphorus, Dissolved (mg/L as P)	Ortho, Dissolved (mg/L as P)	Aluminum, Dissolved (ug/L)	Barium, Dissolved (ug/L)	Chromium, Dissolved (ug/L)	Cobalt, Dissolved (ug/L)	Iron, Dissolved (ug/L)	Lithium, Dissolved (ug/L)	Manganese, Dissolved (ug/L)	Molybdenum, Dissolved (ug/L)
03/10/95	<0.01	NA(c)	<0.01	NA(c)	NA(c)	<1	NA(c)	10	NA(c)	NA(c)	NA(c)
05/15/95	<0.01	NA(c)	<0.01	NA(c)	NA(c)	<1	NA(c)	14	NA(c)	NA(c)	NA(c)
08/08/95	0.02	NA(c)	<0.01	NA(c)	NA(c)	<1	NA(c)	6	NA(c)	NA(c)	NA(c)

Date	Nickel, Dissolved (ug/L)	Selenium, Dissolved (ug/L)	Silver, Dissolved (ug/L)	Strontium, Dissolved (ug/L)	Vanadium, Dissolved (ug/L)	Carbon, Organic, Dissolved (mg/L)	Sediment, Suspended (mg/L)	Sediment Discharge, Suspended (T/d)
03/10/95	NA(c)	NA(c)	NA	NA(c)	NA(c)	3	4	NA(c)
05/15/95	NA(c)	NA(c)	NA	NA(c)	NA(c)	3.5	6	NA(c)
08/08/95	NA(c)	NA(c)	NA	NA(c)	NA(c)	3.2	NA(c)	NA(c)

(a) Not Reported.

(a) K signifies results based on colony count outside the acceptable range (non-ideal colony count).

(b) NA signifies constituent was not analyzed.

Table W-3. Volatile Organic Compound Data for Columbia River Transects and Riverbank Springs, 1995

Sample Type	Sample Site	Station ^(a)	Collection Date	Compound Detected ^(b)	Concentration (µg/L)	Water MDL
Columbia River Transects:	Vernita Bridge	1	03/16/95	Toluene	0.64	0.3
		2		Trichloroethylene	0.34	0.32
		3	06/15/95	Acetone	5.9	4.7
		3		Benzene	0.62	0.14
		3		Toluene	2.3	0.13
		3		Total Xylene	2.1	0.57
			09/11/95	ND ^(c)		
		1	12/08/95	Toluene	0.6	0.13
		1		Trichloroethylene	0.56	0.24
		2		Toluene	0.99	0.13
	100-N Area	3		Toluene	0.97	0.13
			09/11/95	ND ^(c)		
			09/12/95	ND ^(c)		
	100-F Area	9	09/12/95	p-Dichlorobenzene	0.49	0.2
		7	09/18/95	Trichloroethylene	0.8	0.24
		10		Trichloroethylene	0.8	0.24
	Old Hanford Townsite 300 Area	1	03/17/95	Methylene Chloride	0.48	0.16
		2		Methylene Chloride	0.38	0.16
		1	06/16/95	Acetone	5.3	4.7
		8		Acetone	7	4.7
	Richland Pumphouse	7		Total Xylene	2.4	0.57
		1	09/18/95	Trichloroethylene	0.44	0.24
		3		Trichloroethylene	0.55	0.24
		6		Trichloroethylene	0.42	0.24
		7		Trichloroethylene	1.1	0.24
		1	12/07/95	Toluene	0.47	0.13
		3		Toluene	0.44	0.13
		4		Toluene	0.45	0.13
		8		Toluene	0.54	0.13
		9		Toluene	0.58	0.13
		10		Toluene	0.61	0.13

^(a) Each transect consists of ten sampling stations except for Vernita Bridge which has four. Stations are numbered consecutively.

^(b) Only compounds which exceeded minimum detection limit are shown.

^(c) No Compounds detected.

Table W-3. Volatile Organic Compound Data for Columbia River Transects and Riverbank Springs, 1995

Sample Type	Sample Site	Station ^(a)	Collection Date	Compound Detected ^(b)	Concentration (µg/L)	Water MDL
Riverbank Springs:	100-B Spring		08/28/95	Trichloroethylene	0.53	0.24
	100-K Spring		09/05/95	Trichloroethylene	7.4	0.24
			09/05/95	p-Dichlorobenzene	0.62	0.2
	100-N Spring		08/29/95	Chloroform	0.75	0.21
	100-D Spring		08/29/95	ND ^(c)		
			09/11/95	Chloroform	2.5	0.21
	100-H Spring		09/05/95	Chloroform	3.7	0.21
	100-F Spring		09/12/95	ND ^(c)		
	Old Hanford Townsite Spring		09/05/95	ND ^(c)		
	300 Area Spring		09/05/95	Acetone	5.9	4.7

Volatile Organic Compound List	
Acetone	Tetrachloroethylene
Benzene	Tetrahydrofuran
Carbon Tetrachloride	Toluene
Chloroform	1,1,1-Trichloroethane
p-Dichlorobenzene	1,1,2-Trichloroethane
1,1-Dichloroethane	Trichloroethylene
1,2-Dichloroethane	Vinyl Chloride
1,2-Dichloroethylene	Total Xylene
Methylene Chloride	1-Butanol
Methyl Ethyl Ketone	Propionitrile
4-Methyl-2-Pentanone	Carbon Disulfide

(a) Each transect consists of ten sampling stations except for Vernita Bridge which has four. Stations are numbered consecutively.
 (b) Only compounds which exceeded minimum detection limit are shown.
 (c) No Compounds detected.

Table W-4. Total Recoverable Metal and Anion Data for Columbia River Transects Water, 1995

Location	Sample Date	µg/L														Fe	Pb	Mg
		Al	Sb	As	Ba	Be	Br	Cd	Ca	Cl ⁻	Cr	Co	Cu	CN	F ⁻			
Vernita-1	03/16/95	560 (151)	ND	nra	33 (16)	ND	ND	ND	19,000 (3,420)	1,300 (234)	ND	ND	ND	nra	300 (117)	nra	nra	5,100 (1,070)
Vernita-2		540 (146)	ND	nra	32 (15)	ND	ND	ND	20,000 (3,600)	1,200 (216)	ND	ND	ND	nra	ND	nra	nra	5,100 (1,070)
Vernita-3		580 (157)	ND	nra	33 (16)	ND	ND	ND	19,000 (3,420)	1,200 (216)	ND	ND	ND	nra	300 (117)	nra	nra	5,000 (1,050)
Vernita-4		440 (119)	ND	nra	32 (15)	ND	ND	ND	20,000 (3,600)	1,400 (252)	ND	ND	ND	nra	300 (117)	nra	nra	5,100 (1,070)
Vernita-1	06/15/95	90 (24.3)	ND	nra	26 (12.5)	ND	ND	ND	16,000 (2,880)	900 (162)	ND	ND	ND	nra	400 (156)	110 (10)	1.3 (0.39)	3,800 (798)
Vernita-2		78 (21.1)	ND	nra	26 (12.5)	ND	ND	ND	16,000 (2,880)	900 (162)	ND	ND	3.1 (1.3)	nra	300 (117)	100 (9)	2.8 (0.84)	3,800 (798)
Vernita-3		92 (24.8)	ND	nra	26 (12.5)	ND	ND	ND	16,000 (2,880)	900 (162)	ND	ND	3.1 (1.3)	nra	400 (156)	97 (9)	2.2 (0.66)	3,800 (798)
Vernita-4		82 (22.1)	ND	nra	25 (12)	ND	ND	ND	16,000 (2,880)	900 (162)	ND	ND	ND	nra	300 (117)	110 (10)	2 (0.6)	3,900 (819)
Vernita-1	09/11/95	60 (16.2)	ND	ND	33 (15.8)	ND	ND	1 (0.46)	18,000 (3,240)	nra	ND	ND	2.9 (1.22)	nra	200 (78)	67 (6)	ND	4,500 (945)
Vernita-2		77 (20.8)	ND	ND	34 (16.3)	ND	ND	ND	18,000 (3,240)	nra	ND	ND	ND	nra	200 (78)	76 (7)	ND	4,500 (945)
Vernita-3		32 (8.64)	ND	ND	33 (15.8)	ND	ND	1 (0.4)	18,000 (3,240)	nra	ND	ND	2.4 (1.01)	nra	200 (78)	49 (4)	ND	4,500 (945)
Vernita-4		58 (15.7)	27 (58.3)	ND	33 (15.8)	ND	ND	2 (0.59)	18,000 (3,240)	nra	ND	ND	3.4 (1.43)	nra	300 (117)	65 (6)	ND	4,500 (945)
Vernita-1	12/08/95	1,900 (513)	ND	ND	45 (21.6)	ND	nra	1.1 (0.36)	17,000 (3,060)	nra	ND	ND	5.9 (2.48)	ND	nra	1,500 (135)	ND	4,600 (966)
Vernita-2		2,000 (540)	49 (106)	ND	45 (21.6)	ND	nra	ND	17,000 (3,060)	nra	ND	ND	4.7 (1.97)	ND	nra	1,500 (135)	2 (1)	4,700 (987)
Vernita-3		1,700 (459)	49 (106)	ND	42 (20.2)	ND	nra	0.98 (0.32)	17,000 (3,060)	nra	5 (2)	ND	5.3 (2.23)	ND	nra	1,400 (126)	ND	4,600 (966)
Vernita-4		2,300 (621)	ND	ND	47 (22.6)	ND	nra	ND	18,000 (3,240)	nra	5 (2)	ND	5.9 (2.48)	ND	nra	1,600 (144)	2 (1)	4,800 (1,010)
100 N-1	09/11/95	ND	ND	ND	33 (15.8)	ND	ND	2 (1)	18,000 (3,240)	nra	ND	ND	2.4 (1.01)	nra	400 (156)	47 (4)	ND	4,600 (966)
100 N-2		35 (9.45)	ND	ND	32 (15.4)	ND	ND	ND	18,000 (3,240)	nra	ND	ND	ND	nra	200 (78)	56 (5)	1.4 (0.42)	4,600 (966)
100 N-3		ND	ND	ND	33 (15.8)	ND	ND	ND	18,000 (3,240)	nra	ND	ND	ND	nra	200 (78)	50 (5)	ND	4,600 (966)
100 N-4		44 (11.9)	ND	ND	33 (15.8)	ND	ND	1 (0)	18,000 (3,240)	nra	ND	ND	ND	nra	300 (117)	77 (7)	ND	4,600 (966)
100 N-5		ND	ND	ND	32 (15.4)	ND	ND	2 (1)	18,000 (3,240)	nra	ND	ND	ND	nra	300 (117)	47 (4)	ND	4,500 (945)
100 N-6		ND	ND	ND	32 (15.4)	ND	ND	1 (0)	18,000 (3,240)	nra	ND	ND	ND	nra	200 (78)	55 (5)	ND	4,400 (924)
100 N-7		ND	ND	ND	32 (15.4)	ND	ND	ND	18,000 (3,240)	nra	ND	ND	ND	nra	300 (117)	74 (7)	ND	4,500 (945)

{ } - Total Propagated Analytical Uncertainty.

ND - Compound was not detected.

nra - Not routinely analyzed.

Table W-4. Total Recoverable Metal and Anion Data for Columbia River Transects Water, 1995

Location	Sample Date	µg/L														
		Mn	Hg	Ni	No ₃ ⁻	No ₂ ⁻	Po ₄ ⁻³	K	Se	Ag	Na	So ₄ ⁻²	Tl	Sn	V	Zn
Vernita-1	03/16/95	9.7 {1.46}	nra	ND	1,100 {231}	ND	ND	ND	nra	ND	2,700 {729}	10,000 {3,600}	nra	ND	ND	22 {7.26}
Vernita-2		9.5 {1.43}	nra	ND	1,100 {231}	ND	ND	ND	nra	ND	2,700 {729}	11,000 {3,960}	nra	ND	ND	6.4 {2.11}
Vernita-3		9.8 {1.47}	nra	ND	1,100 {231}	ND	ND	ND	nra	ND	2,700 {729}	9,900 {3,560}	nra	ND	ND	ND
Vernita-4		8.6 {1.29}	nra	ND	1,300 {273}	ND	ND	ND	nra	ND	2,800 {756}	11,000 {3,960}	nra	ND	ND	ND
Vernita-1	06/15/95	6 {1}	nra	ND	300 {63}	ND	ND	580 {122}	nra	ND	2,400 {648}	7,700 {2,770}	nra	ND	ND	12 {3.96}
Vernita-2		7 {1}	nra	ND	300 {63}	ND	ND	1,100 {231}	nra	ND	2,400 {648}	7,600 {2,740}	nra	ND	2.4 {1.44}	15 {4.95}
Vernita-3		6 {1}	nra	ND	300 {63}	ND	ND	750 {158}	nra	ND	2,400 {648}	7,700 {2,770}	nra	ND	ND	28 {9.24}
Vernita-4		7 {1}	nra	ND	300 {63}	ND	ND	1,200 {252}	nra	ND	2,400 {648}	7,600 {2,740}	nra	ND	2.6 {1.56}	17 {5.61}
Vernita-1	09/11/95	7 {1}	nra	ND	300 {63}	ND	ND	740 {155}	ND	ND	2,600 {702}	8,900 {3,200}	ND	ND	ND	4.2 {1.39}
Vernita-2		7 {1}	nra	ND	200 {42}	ND	ND	710 {148}	ND	ND	2,800 {756}	8,900 {3,200}	ND	35 {32}	ND	9.4 {3.1}
Vernita-3		6 {1}	nra	ND	200 {42}	ND	ND	1,000 {210}	ND	ND	2,700 {729}	9,000 {3,240}	ND	ND	ND	6.3 {2.08}
Vernita-4		6 {1}	nra	ND	200 {42}	ND	ND	780 {164}	ND	ND	2,700 {729}	8,900 {3,200}	ND	ND	ND	9 {2.97}
Vernita-1	12/08/95	36 {5.4}	0 {0}	ND	nra	nra	nra	860 {181}	ND	ND	2,400 {648}	nra	ND	ND	4.1 {2.46}	14 {4.62}
Vernita-2		36 {5.4}	ND	ND	nra	nra	nra	860 {181}	ND	ND	2,500 {675}	nra	ND	ND	5.4 {3.24}	9.8 {3.23}
Vernita-3		34 {5.1}	0 {0}	ND	nra	nra	nra	570 {120}	ND	ND	2,300 {621}	nra	ND	41 {36.9}	1.9 {1.14}	8.5 {2.81}
Vernita-4		38 {5.7}	ND	ND	nra	nra	nra	1100 {231}	ND	ND	2,600 {702}	nra	ND	ND	5.5 {3.3}	14 {4.62}
100 N -1	09/11/95	5 {1}	nra	ND	200 {42}	ND	ND	690 {145}	ND	ND	2,700 {729}	9,000 {3,240}	ND	49 {44}	ND	10 {3.3}
100 N -2		6 {1}	nra	ND	200 {42}	ND	ND	1,200 {252}	ND	ND	2,700 {729}	9,000 {3,240}	ND	ND	3.1 {1.86}	12 {3.96}
100 N -3		6 {1}	nra	ND	300 {63}	ND	ND	480 {101}	ND	ND	2,800 {756}	9,100 {3,280}	ND	ND	ND	5.3 {1.75}
100 N -4		6 {1}	nra	ND	1,000 {210}	ND	ND	550 {116}	ND	ND	2,800 {756}	9,000 {3,240}	ND	40 {36}	ND	5.9 {1.95}
100 N -5		6 {1}	nra	ND	1,600 {336}	ND	ND	650 {137}	ND	ND	2,600 {702}	8,900 {3,200}	ND	ND	ND	5.9 {1.95}
100 N -6		6 {1}	nra	ND	200 {42}	ND	ND	630 {132}	ND	ND	2,700 {729}	9,000 {3,240}	ND	ND	ND	6.3 {2.08}
100 N -7		6 {1}	nra	ND	200 {42}	ND	ND	870 {132}	ND	ND	2,600 {729}	9,100 {3,240}	ND	ND	ND	9.7 {2.08}

{ } - Total Propagated Analytical Uncertainty.

ND - Compound was not detected.

nra - Not routinely analyzed.

Table W-4. Total Recoverable Metal and Anion Data for Columbia River Transects Water, 1995

Location	Sample Date	Al	Sb	As	Ba	Be	Br	Cd	Ca	Cl	Cr	Cu	CN	F	Fe	Pb	Mg
µg/L																	
100 N-8		ND	ND	ND	{15.4} 31	ND	ND	1	{3,240} 18,000	nra	ND	ND	nra	{117} 300	{7} 51	ND	{945} 4,400
100 N-9		ND	ND	ND	{14.9} 31	ND	ND	{0}	{3,240} 18,000	nra	ND	ND	nra	{117} 200	{5} 51	ND	{924} 4,400
100 N-10		ND	ND	ND	{14.9} 32	ND	ND	{1}	{3,240} 18,000	nra	4.4	ND	nra	{78} 300	{5} 56	ND	{924} 4,600
					{15.4}			{0}	{3,240}		{1.85}			{117}	{5}		{966}
100 F-1	09/12/95	40 {10.8}	ND	ND	30	ND	ND	ND	18,000	nra	ND	ND	nra	100	50	ND	4,400
100 F-2		32 {8.64}	ND	ND	{14.4} 42	ND	ND	ND	{3,240}	nra	ND	ND	nra	{39}	{5}	ND	{924}
100 F-3		52 {14}	ND	ND	{20.2}	ND	ND	ND	{3,240}	nra	ND	ND	nra	{507}	{5}	ND	4,400
100 F-4		ND	ND	ND	{14.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	300	61	1.8	4,400
100 F-5		ND	ND	ND	{14.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	{117}	{5}	{0.54}	{924}
100 F-6		ND	ND	ND	{14.9}	ND	ND	ND	{3,240}	nra	ND	ND	nra	200	42	ND	4,400
100 F-7		37 {9.99}	ND	ND	{14.9}	ND	ND	ND	{3,240}	nra	ND	ND	nra	{78}	{4}	ND	{924}
100 F-8		70 {18.9}	ND	ND	{15.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	200	45	ND	4,400
100 F-9		60 {16.2}	ND	ND	{15.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	{78}	{8}	ND	{924}
100 F-10		ND	ND	ND	{15.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	{117}	{5}	ND	{945}
														{78}	{5}		{945}
Hanford Towsite-1	09/12/95	ND	ND	ND	31	ND	ND	ND	18,000	nra	ND	ND	nra	300	35	ND	4,500
Hanford Towsite-2		ND	ND	ND	{14.9}	ND	ND	ND	{3,240}	nra	ND	ND	nra	{117}	{3}	ND	{945}
Hanford Towsite-3		ND	ND	ND	{14.9}	ND	ND	ND	{3,240}	nra	ND	ND	nra	300	48	1.6	4,500
Hanford Towsite-4		ND	ND	ND	{15.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	{117}	{4}	{0.48}	{945}
Hanford Towsite-5		ND	ND	ND	{15.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	400	44	1.7	4,500
Hanford Towsite-6		35 {9.45}	ND	ND	{15.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	{156}	{4}	{0.51}	{945}
Hanford Towsite-7		67 {18.1}	ND	ND	{15.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	200	45	ND	4,400
Hanford Towsite-8		34 {9.18}	ND	ND	{15.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	{78}	{4}	ND	{924}
Hanford Towsite-9		ND	ND	ND	{15.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	300	59	ND	4,500
Hanford Towsite-10		ND	ND	ND	{15.4}	ND	ND	ND	{3,240}	nra	ND	ND	nra	{117}	{5}	ND	{945}
														200	41	ND	4,500
														{78}	{4}	1.6	4,500
														300	73	{0.48}	{945}
														{117}	{7}	ND	4,500
														200	50	ND	4,500
														{78}	{5}	ND	{945}
														200	49	ND	4,600
														{78}	{4}	ND	{966}
														600	51	ND	4,500
														{234}	{5}		{945}

{ } - Total Propagated Analytical Uncertainty.

ND - Compound was not detected.

nra - Not routinely analyzed.

Table W-4. Total Recoverable Metal and Anion Data for Columbia River Transects Water, 1995

Location	Sample Date	Mn	Hg	Ni	No ₃ ⁻	No ₂ ⁻	P _{0.3} ⁻	K	Se	Ag	Na	So ₄ ⁻²	Tl	Sn	V	Zn
µg/L																
100 N-8		{1}	nra	ND	{42}	ND	ND	{183}	ND	ND	{702}	{3,280}	ND	ND	2.2	{3,2}
100 N-9		6	nra	ND	{42}	ND	ND	{210}	ND	ND	{702}	{3,200}	ND	ND	{1,32}	13
100 N-10		6	nra	ND	{42}	ND	ND	730	ND	ND	2,700	9,200	ND	ND	ND	{4,29}
		{1}	nra	ND	{42}	ND	ND	{153}	ND	ND	{729}	{3,310}	ND	ND	2.1	4.9
		6	nra	ND	{63}	ND	ND	1,100	ND	ND	{637}	9,700	ND	ND	{1,26}	{1,62}
		{1}	nra	ND	{63}	ND	ND	{231}	ND	ND		{3,490}	ND	ND		9.7
100 F-1	09/12/95	5	nra	ND	300	ND	ND	730	ND	ND	2,600	9,100	ND	57	2.1	3.9
100 F-2		{1}	nra	ND	{63}	ND	ND	{153}	ND	ND	{702}	{3,280}	ND	{51}	{1,26}	{1,29}
100 F-3		5	nra	ND	300	ND	ND	550	ND	ND	2,600	9,100	ND	ND	ND	18
100 F-4		{1}	nra	ND	{63}	ND	ND	{116}	ND	ND	{702}	{3,280}	ND	ND	ND	{5,94}
100 F-5		5	nra	ND	1,600	ND	ND	1,100	ND	ND	2,500	9,100	ND	ND	ND	11
100 F-6		{1}	nra	ND	{336}	ND	ND	{231}	ND	ND	{675}	{3,280}	ND	ND	ND	{3,63}
100 F-7		5	nra	ND	300	ND	ND	610	ND	ND	2,600	9,200	ND	ND	ND	ND
100 F-8		{1}	nra	ND	{63}	ND	ND	{128}	ND	ND	{702}	{3,310}	ND	37	ND	7.1
100 F-9		5	nra	ND	200	ND	ND	520	ND	ND	2,600	9,200	ND	{33}	ND	{2,34}
100 F-10		{1}	nra	ND	{42}	ND	ND	{109}	ND	ND	{702}	{3,310}	ND	ND	ND	16
		5	nra	ND	200	ND	ND	710	ND	ND	2,700	9,500	ND	ND	ND	{5,28}
		{1}	nra	ND	{42}	ND	ND	{149}	ND	ND	{729}	{3,420}	ND	47	ND	20
		8	nra	ND	200	ND	ND	420	ND	ND	2,600	9,200	ND	{42}	ND	{6,6}
		{1}	nra	ND	{42}	ND	ND	{88}	ND	ND	{702}	{3,310}	ND	ND	ND	8.8
		5	nra	ND	700	ND	ND	650	ND	ND	2,600	9,300	ND	ND	ND	{2,9}
		{1}	nra	ND	{147}	ND	ND	{137}	ND	ND	{702}	{3,350}	ND	ND	ND	4.3
		5	nra	ND	200	ND	ND	410	ND	ND	2,700	9,200	ND	ND	ND	{1,42}
		{1}	nra	ND	{42}	ND	ND	{88}	ND	ND	{729}	{3,310}	ND	ND	ND	5.7
		5	nra	ND	300	ND	ND	980	ND	ND	2,700	9,200	ND	ND	ND	{1,88}
		{1}	nra	ND	{63}	ND	ND	{206}	ND	ND	{729}	{3,310}	ND	ND	ND	
Hanford Towsite-1	09/12/95	4	nra	ND	300	ND	ND	660	ND	ND	2,600	9,200	ND	ND	ND	4.6
Hanford Towsite-2		{1}	nra	ND	{63}	ND	ND	{139}	ND	ND	{702}	{3,310}	ND	49	ND	{1,52}
Hanford Towsite-3		4	nra	ND	200	ND	ND	730	ND	ND	2,600	9,100	ND	ND	ND	5.3
Hanford Towsite-4		{1}	nra	ND	{42}	ND	ND	{153}	ND	ND	{702}	{3,280}	ND	{44.1}	ND	{1,75}
Hanford Towsite-5		5	nra	ND	200	ND	ND	690	ND	ND	2,600	9,000	ND	ND	ND	7
Hanford Towsite-6		{1}	nra	ND	{42}	ND	ND	{145}	ND	ND	{702}	{3,240}	ND	ND	ND	{2,31}
Hanford Towsite-7		8	nra	ND	2,100	ND	ND	ND	ND	ND	2,600	9,200	ND	ND	ND	6
Hanford Towsite-8		{1}	nra	ND	{441}	ND	ND	660	ND	ND	{702}	{3,310}	ND	ND	ND	{1,98}
Hanford Towsite-9		5	nra	ND	400	ND	ND	{139}	ND	ND	2,600	9,200	ND	ND	ND	6.7
Hanford Towsite-10		{1}	nra	ND	{84}	ND	ND	790	ND	ND	{702}	{3,310}	ND	41	ND	{2,21}
		5	nra	ND	400	ND	ND	{166}	ND	ND	2,600	9,200	ND	{36.9}	ND	ND
		{1}	nra	ND	{84}	ND	ND	900	ND	ND	{702}	{3,310}	ND	ND	ND	4.6
		5	nra	ND	200	ND	ND	{189}	ND	ND	2,600	9,200	ND	ND	ND	{1,52}
		{1}	nra	ND	{42}	ND	ND	600	ND	ND	{702}	{3,310}	ND	43	ND	ND
		5	nra	ND	800	ND	ND	{126}	ND	ND	2,700	9,400	ND	{38.7}	ND	4.6
		{1}	nra	ND	{168}	ND	ND	880	ND	ND	{729}	{3,380}	ND	ND	ND	{1,52}
		5	nra	ND	200	ND	ND	{185}	ND	ND	2,700	9,400	ND	ND	ND	ND
		{1}	nra	ND	{42}	ND	ND	660	ND	ND	{729}	{3,380}	ND	43	ND	ND
		9	nra	ND	1,500	ND	ND	{315}	ND	ND	2,700	9,100	ND	{38.7}	ND	ND

{ } - Total Propagated Analytical Uncertainty.

ND - Compound was not detected.

nra - Not routinely analyzed.

Table W-4. Total Recoverable Metal and Anion Data for Columbia River Transects Water, 1995

Location	Sample Date	Al	Sb	As	Ba	Be	Br	Cd	Ca	Cl	Cr	Co	Cu	CN	F	Fe	Pb	Mg
µg/L																		
300 Area -1	09/18/95	ND	ND	ND	30 {14.4}	ND	ND	ND	18,000 {3,240}	nra	ND	ND	ND	ND	200 {78}	39 {4}	ND	4,400 {924}
300 Area -2		ND	ND	ND	30 {14.4}	ND	ND	2	18,000 {3,240}	nra	ND	ND	2.9 {1.22}	ND	200 {78}	48 {4}	ND	4,400 {924}
300 Area -3		ND	ND	ND	30 {14.4}	ND	ND	2	18,000 {3,240}	nra	ND	ND	3.4 {1.43}	ND	200 {78}	77 {7}	ND	4,400 {924}
300 Area -4		ND	ND	ND	31 {14.9}	ND	ND	2	18,000 {3,240}	nra	ND	ND	ND	ND	200 {78}	72 {6}	ND	4,600 {966}
300 Area -5		50 {13.5}	ND	ND	31 {14.9}	ND	ND	2	18,000 {3,240}	nra	ND	ND	3.4 {1.43}	ND	200 {78}	64 {6}	ND	4,500 {945}
300 Area -6		ND	ND	ND	30 {14.4}	ND	ND	ND	18,000 {3,240}	nra	ND	ND	ND	ND	200 {78}	52 {5}	ND	4,600 {966}
300 Area -7		34 {9.18}	ND	ND	31 {14.9}	ND	ND	ND	18,000 {3,240}	nra	ND	ND	ND	ND	200 {78}	60 {5}	ND	4,700 {987}
300 Area -8		71 {19.2}	ND	ND	30 {14.4}	ND	ND	1	18,000 {3,240}	nra	ND	ND	2.4 {1.01}	ND	200 {78}	86 {8}	ND	4,700 {987}
300 Area -9		56 {15.1}	ND	ND	31 {14.9}	ND	ND	ND	19,000 {3,420}	nra	ND	ND	ND	ND	200 {78}	84 {8}	ND	4,800 {1,010}
300 Area -10		48 {13}	ND	ND	31 {14.9}	ND	ND	ND	19,000 {3,420}	nra	ND	ND	ND	ND	200 {78}	74 {7}	ND	5,200 {1,090}
Richland Pumphouse-1	03/17/95	270 {72.9}	ND	nra	30 {14.4}	ND	ND	ND	19,000 {3,420}	1,300 {234}	ND	ND	ND	nra	300 {117}	nra	nra	5,000 {1,050}
Richland Pumphouse-2		300 {81}	ND	nra	30 {14.4}	ND	ND	ND	19,000 {3,420}	1,300 {234}	ND	ND	ND	nra	300 {117}	nra	nra	5,000 {1,050}
Richland Pumphouse-3		340 {91.8}	ND	nra	30 {14.4}	ND	ND	ND	19,000 {3,420}	1,300 {234}	ND	ND	ND	nra	400 {156}	nra	nra	4,900 {1,030}
Richland Pumphouse-4		270 {72.9}	ND	nra	31 {14.9}	ND	ND	ND	19,000 {3,420}	1,300 {234}	ND	ND	ND	nra	400 {156}	nra	nra	5,000 {1,050}
Richland Pumphouse-5		420 {113}	ND	nra	30 {14.4}	ND	ND	ND	19,000 {3,420}	1,300 {234}	ND	ND	ND	nra	300 {117}	nra	nra	4,900 {1,030}
Richland Pumphouse-6		340 {91.8}	ND	nra	30 {14.4}	ND	ND	ND	19,000 {3,420}	1,300 {234}	ND	ND	ND	nra	400 {156}	nra	nra	4,800 {1,010}
Richland Pumphouse-7		280 {75.6}	ND	nra	31 {14.9}	ND	ND	ND	19,000 {3,420}	1,300 {234}	ND	ND	ND	nra	300 {117}	nra	nra	4,900 {1,030}
Richland Pumphouse-8		310 {83.7}	ND	nra	30 {14.4}	ND	ND	ND	19,000 {3,420}	1,300 {234}	ND	ND	ND	nra	300 {117}	nra	nra	4,900 {1,030}
Richland Pumphouse-9		310 {83.7}	ND	nra	30 {14.4}	ND	ND	ND	19,000 {3,420}	1,400 {252}	ND	ND	ND	nra	400 {156}	nra	nra	5,000 {1,050}
Richland Pumphouse-10		250 {67.5}	ND	nra	31 {14.9}	ND	ND	ND	20,000 {3,600}	1,900 {342}	ND	ND	ND	nra	400 {156}	nra	nra	5,400 {1,130}
Richland Pumphouse-1	06/16/95	60 {16.2}	ND	nra	25 {12}	ND	ND	ND	17,000 {3,060}	1,000 {180}	ND	ND	ND	nra	300 {117}	120 {11}	2.1 {0.63}	4,000 {840}
Richland Pumphouse-2		91 {24.6}	ND	nra	26 {12.5}	ND	ND	ND	17,000 {3,060}	900 {162}	ND	ND	2.4 {1.01}	nra	400 {156}	120 {11}	4.8 {1.38}	3,900 {819}
Richland Pumphouse-3		88 {23.8}	ND	nra	25 {12}	ND	ND	ND	17,000 {3,060}	1,000 {180}	ND	ND	3.8 {1.6}	nra	400 {156}	120 {11}	4.3 {1.29}	4,000 {840}

{ } - Total Propagated Analytical Uncertainty.

ND - Compound was not detected.

nra - Not routinely analyzed.

Table W-4. Total Recoverable Metal and Anion Data for Columbia River Transects Water, 1995

Location	Sample Date	Mn	Hg	Ni	No ₃ ⁻	No ₂ ⁻	Po ₄ ⁻³	K	Se	Ag	Na	So ₄ ⁻²	Tl	Sn	V	Zn
µg/L																
300 Area -1	09/18/95	5.3	nra	ND	200	ND	ND	530	ND	ND	2,600	9,400	ND	ND	ND	6
300 Area -2		{0.8}	nra	ND	{44.1}	ND	ND	{111}	ND	ND	{702}	{3,380}	ND	ND	ND	{1.98}
300 Area -3		5.6	nra	ND	200	ND	ND	1,100	ND	ND	2,500	9,100	ND	43	2.6	4.2
300 Area -4		{0.84}	nra	ND	{50.4}	ND	ND	{231}	ND	ND	{675}	{3,280}	ND	{38.7}	{1.56}	{1.39}
300 Area -5		5.8	nra	ND	300	ND	ND	850	ND	ND	2,600	9,200	ND	ND	ND	10
300 Area -6		{0.87}	nra	ND	{54.6}	ND	ND	{179}	ND	ND	{702}	{3,310}	ND	ND	ND	{3.3}
300 Area -7		6.1	nra	ND	300	ND	ND	590	ND	ND	2,800	9,400	ND	31	ND	11
300 Area -8		{0.92}	nra	ND	{52.5}	ND	ND	{124}	ND	ND	{756}	{3,380}	ND	{27.9}	ND	{3.63}
300 Area -9		6.2	nra	ND	200	ND	ND	1,100	ND	ND	2,700	9,400	ND	32	ND	9.7
300 Area -10		{0.93}	nra	ND	{50.4}	ND	ND	{231}	ND	ND	{729}	{3,380}	ND	{28.8}	ND	{3.2}
300 Area -1	03/17/95	5.2	nra	ND	300	ND	ND	550	ND	ND	2,900	9,700	ND	ND	ND	6.3
300 Area -2		{0.78}	nra	ND	{67.2}	ND	ND	{116}	ND	ND	{783}	{3,490}	ND	ND	ND	{2.08}
300 Area -3		5.3	nra	ND	300	ND	ND	900	ND	ND	3,000	9,600	ND	40	ND	7.3
300 Area -4		{0.8}	nra	ND	{65.1}	ND	ND	{189}	ND	ND	{810}	{3,460}	ND	{36}	ND	{2.41}
300 Area -5		6.4	nra	ND	400	ND	ND	940	ND	ND	3,000	9,900	ND	44	ND	5.2
300 Area -6		{0.96}	nra	ND	{86.1}	ND	ND	{197}	ND	ND	{810}	{3,560}	ND	{39.6}	ND	{1.72}
300 Area -7		6.7	nra	ND	400	ND	ND	750	ND	ND	3,200	9,900	ND	ND	ND	6.6
300 Area -8		{1}	nra	ND	{86.1}	ND	ND	{158}	ND	ND	{864}	{3,560}	ND	ND	ND	{2.18}
300 Area -9		8.4	nra	ND	500	ND	ND	860	ND	ND	3,900	11,000	ND	ND	ND	8.3
300 Area -10		{1.26}	nra	ND	{113}	ND	ND	{181}	ND	ND	{1,050}	{3,960}	ND	ND	ND	{2.74}
Richland Pumphouse-1	06/16/95	8.4	nra	ND	1,100	ND	ND	1000	nra	ND	2,700	10,000	nra	ND	ND	10
Richland Pumphouse-2		{1.26}	nra	ND	{231}	ND	ND	{210}	nra	ND	{729}	{3,600}	nra	ND	ND	{3.3}
Richland Pumphouse-3		9.6	nra	ND	1,100	ND	ND	1000	nra	ND	2,700	10,000	nra	ND	ND	9.6
Richland Pumphouse-4		{1.44}	nra	ND	{231}	ND	ND	{210}	nra	ND	{729}	{3,600}	nra	ND	ND	{3.17}
Richland Pumphouse-5		9.3	nra	ND	1,100	ND	ND	ND	nra	ND	2,700	11,000	nra	ND	ND	7.9
Richland Pumphouse-6		{1.4}	nra	ND	{231}	ND	ND	ND	nra	ND	{729}	{3,960}	nra	ND	ND	{2.61}
Richland Pumphouse-7		11	nra	ND	1,100	ND	ND	ND	nra	ND	2,700	10,000	nra	ND	ND	6.9
Richland Pumphouse-8		{1.65}	nra	ND	{231}	ND	ND	1000	nra	ND	{729}	{3,600}	nra	ND	ND	{2.28}
Richland Pumphouse-9		9.6	nra	ND	1,100	ND	ND	{210}	nra	ND	{729}	{3,960}	nra	ND	ND	9.6
Richland Pumphouse-10		{1.44}	nra	ND	{231}	ND	ND	1100	nra	ND	2,600	10,000	nra	ND	ND	{3.17}
Richland Pumphouse-1	06/16/95	9.1	nra	ND	1,100	ND	ND	{231}	nra	ND	{702}	{3,800}	nra	ND	ND	7.5
Richland Pumphouse-2		{1.37}	nra	ND	{231}	ND	ND	1100	nra	ND	2,600	10,000	nra	ND	ND	{2.48}
Richland Pumphouse-3		9	nra	ND	1,100	ND	ND	{231}	nra	ND	{702}	{3,800}	nra	ND	ND	6.7
Richland Pumphouse-4		{1.35}	nra	ND	{231}	ND	ND	{231}	nra	ND	{702}	{3,600}	nra	ND	ND	{2.21}
Richland Pumphouse-5		9.4	nra	ND	1,100	ND	ND	1200	nra	ND	2,700	10,000	nra	ND	ND	6.9
Richland Pumphouse-6		{1.41}	nra	ND	{231}	ND	ND	{252}	nra	ND	{729}	{3,600}	nra	ND	ND	{2.28}
Richland Pumphouse-7		9.1	nra	ND	1,300	ND	ND	1000	nra	ND	2,900	11,000	nra	ND	ND	ND
Richland Pumphouse-8		{1.37}	nra	ND	{273}	ND	ND	{210}	nra	ND	{783}	{3,960}	nra	ND	ND	8.1
Richland Pumphouse-9		9.3	nra	ND	1,900	ND	ND	1100	nra	ND	3,900	12,000	nra	ND	ND	{2.67}
Richland Pumphouse-10		{1.4}	nra	ND	{399}	ND	ND	{231}	nra	ND	{1,050}	{4,320}	nra	ND	ND	ND
Richland Pumphouse-1	06/16/95	6	nra	ND	300	ND	ND	850	nra	ND	2,500	8,100	nra	ND	ND	28
Richland Pumphouse-2		{1}	nra	ND	{63}	ND	ND	{179}	nra	ND	{675}	{2,920}	nra	ND	ND	{9.24}
Richland Pumphouse-3		6	nra	ND	300	ND	ND	770	nra	6	2,400	8,000	nra	ND	ND	19
Richland Pumphouse-4	06/16/95	{1}	nra	ND	{63}	ND	ND	{162}	nra	{2}	{648}	{2,880}	nra	ND	ND	{6.27}
Richland Pumphouse-5		6	nra	ND	300	ND	ND	780	nra	ND	2,500	8,100	nra	ND	2.4	19
Richland Pumphouse-6		{1}	nra	ND	{63}	ND	ND	{164}	nra	ND	{675}	{2,920}	nra	ND	{1.44}	{6.27}

{ } - Total Propagated Analytical Uncertainty.

ND - Compound was not detected.

nra - Not routinely analyzed.

Table W-4. Total Recoverable Metal and Anion Data for Columbia River Transects Water, 1995

Location	Sample Date	µg/L														F ⁻	Fe	Pb	Mg
		Al	Sb	As	Ba	Be	Br ⁻	Cd	Ca	Cl ⁻	Cr	Co	Cu	CN					
Richland Pumphouse-4		99 {26.7}	ND	nra	26 {12.5}	ND	ND	ND	16,000 {2,880}	1,000 {180}	ND	ND	3.1 {1.3}	nra	400 {156}	110 {10}	6.7 {2.01}	3,900 {819}	
Richland Pumphouse-5		84 {22.7}	ND	nra	26 {12.5}	ND	ND	ND	16,000 {2,880}	1,000 {180}	ND	ND	ND	nra	400 {156}	120 {11}	1.3 {0.39}	4,000 {840}	
Richland Pumphouse-6		78 {21.1}	ND	nra	26 {12.5}	ND	ND	ND	16,000 {2,880}	1,000 {180}	ND	ND	ND	nra	400 {156}	110 {10}	1.4 {0.42}	3,900 {819}	
Richland Pumphouse-7		110 {29.7}	ND	nra	25 {12}	ND	ND	ND	16,000 {2,880}	1,000 {180}	ND	ND	2.8 {1.18}	nra	400 {156}	120 {11}	4.4 {1.32}	3,900 {819}	
Richland Pumphouse-8		94 {25.4}	ND	nra	25 {12}	ND	ND	ND	16,000 {2,880}	1,000 {180}	ND	ND	3.1 {1.3}	nra	400 {156}	130 {12}	1 {0.3}	3,900 {819}	
Richland Pumphouse-9		110 {29.7}	ND	nra	26 {12.5}	ND	ND	ND	17,000 {3,060}	1,100 {198}	ND	ND	2.4 {1.01}	nra	400 {156}	150 {14}	0.99 {0.3}	4,100 {861}	
Richland Pumphouse-10		160 {43.2}	ND	nra	28 {13.4}	ND	ND	ND	17,000 {3,060}	1,400 {252}	ND	ND	3.1 {1.3}	nra	400 {156}	200 {18}	3.3 {0.99}	4,500 {945}	
Richland Pumphouse-1	09/18/95	67 {18.1}	ND	ND	30 {14}	ND	ND	ND	18,000 {3,240}	nra	ND	ND	ND	nra	200 {78}	50 {5}	ND	4,400 {924}	
Richland Pumphouse-2		67 {18.1}	ND	ND	30 {14}	ND	ND	ND	18,000 {3,240}	nra	ND	ND	3.2 {1.34}	nra	200 {78}	72 {6}	ND	4,400 {924}	
Richland Pumphouse-3		120 {32.4}	ND	ND	30 {14}	ND	ND	1.8 {0.59}	17,000 {3,060}	nra	ND	ND	2.1 {0.88}	nra	200 {78}	110 {10}	ND	4,200 {882}	
Richland Pumphouse-4		130 {35.1}	ND	ND	31 {15}	ND	ND	ND	18,000 {3,240}	nra	ND	ND	ND	nra	200 {78}	110 {10}	ND	4,400 {924}	
Richland Pumphouse-5		100 {27}	ND	ND	31 {15}	ND	ND	1.1 {0.36}	18,000 {3,240}	nra	4.3 {1.81}	ND	3.7 {1.55}	nra	200 {78}	60 {5}	4.2 {1.26}	4,500 {945}	
Richland Pumphouse-6		100 {27}	ND	ND	30 {14}	ND	ND	ND	18,000 {3,240}	nra	ND	ND	3.2 {1.34}	nra	200 {78}	80 {7}	16 {4.8}	4,500 {945}	
Richland Pumphouse-7		91 {24.6}	ND	ND	30 {14}	ND	ND	ND	18,000 {3,240}	nra	ND	ND	2.7 {1.13}	nra	200 {78}	85 {8}	ND	4,400 {924}	
Richland Pumphouse-8		49 {13.2}	ND	ND	31 {15}	ND	ND	ND	18,000 {3,240}	nra	3.7 {1.55}	ND	2.7 {1.13}	nra	200 {78}	55 {5}	8.7 {2.61}	4,400 {924}	
Richland Pumphouse-9		110 {29.7}	ND	ND	30 {14}	ND	ND	ND	18,000 {3,240}	nra	ND	ND	2.7 {1.13}	nra	200 {78}	90 {8}	ND	4,500 {945}	
Richland Pumphouse-10		140 {37.8}	ND	ND	32 {15}	ND	ND	ND	18,000 {3,240}	nra	ND	ND	2.7 {1.13}	nra	300 {117}	130 {12}	ND	4,700 {987}	
Richland Pumphouse-1	12/07/95	660 {178}	37 {79.9}	ND	30 {14}	ND	ND	1.5 {0.5}	16,000 {2,880}	nra	ND	ND	2.3 {0.97}	ND	170 {66.3}	490 {44}	1.4 {0.42}	3,900 {819}	
Richland Pumphouse-2		680 {184}	46 {99.4}	ND	31 {15}	ND	nra	ND	16,000 {2,880}	nra	ND	ND	4.1 {1.72}	ND	140 {54.6}	570 {51}	ND	4,000 {840}	
Richland Pumphouse-3		660 {178}	31 {67}	ND	30 {14}	ND	nra	ND	16,000 {2,880}	nra	ND	ND	4.1 {1.72}	ND	140 {54.6}	530 {48}	1.5 {0.45}	3,900 {819}	
Richland Pumphouse-4		810 {219}	ND	ND	32 {15}	ND	nra	ND	16,000 {2,880}	nra	ND	ND	4.7 {1.97}	ND	170 {66.3}	620 {56}	ND	4,000 {840}	
Richland Pumphouse-5		660 {178}	ND	ND	31 {15}	ND	nra	1 {0.33}	16,000 {2,880}	nra	ND	ND	3.5 {1.47}	ND	160 {62.4}	560 {50}	ND	4,000 {840}	
Richland Pumphouse-6		780 {211}	ND	ND	31 {15}	ND	nra	1 {0.33}	16,000 {2,880}	nra	ND	ND	2.3 {0.97}	ND	160 {62.4}	580 {52}	ND	4,000 {840}	
Richland Pumphouse-7		860	ND	ND	33	ND	nra	ND	16,000	nra	ND	ND	ND	ND	150	590	ND	4,100	

{ } - Total Propagated Analytical Uncertainty.

ND - Compound was not detected.

nra - Not routinely analyzed.

Table W-4. Total Recoverable Metal and Anion Data for Columbia River Transects Water, 1995

Location	Sample Date	Mn	Hg	Ni	No ₃ ⁻	No ₂ ⁻	Po ₄ ⁻³	K	Se	Ag	Na	So ₄ ⁻²	Tl	Sn	V	Zn
µg/L																
Richland Pumphouse-4		7	nra	ND	300 {105}	ND	ND	1,300 {273}	nra	ND	2,500 {675}	8,100 {2,920}	nra	ND	3.1 {1.86}	35 {11.6}
Richland Pumphouse-5		6	nra	ND	300 {63}	ND	ND	970 {204}	nra	ND	2,500 {675}	8,100 {2,920}	nra	ND	2 {1.2}	11 {3.63}
Richland Pumphouse-6		6	nra	ND	300 {63}	ND	ND	770 {162}	nra	ND	2,500 {675}	8,200 {2,950}	nra	ND	2.3 {1.38}	13 {4.29}
Richland Pumphouse-7		7	nra	ND	300 {63}	ND	ND	1,100 {231}	nra	ND	2,500 {675}	8,100 {2,920}	nra	31 {27.9}	2.3 {1.38}	16 {5.28}
Richland Pumphouse-8		6	nra	ND	300 {84}	ND	ND	950 {200}	nra	ND	2,500 {675}	8,200 {2,950}	nra	ND	ND	8.5 {2.81}
Richland Pumphouse-9		7	nra	ND	300 {105}	ND	ND	920 {193}	nra	ND	2,800 {756}	8,600 {3,100}	nra	ND	ND	8.8 {2.9}
Richland Pumphouse-10		8	nra	ND	300 {189}	ND	ND	790 {166}	nra	ND	3,600 {972}	9,900 {3,560}	nra	ND	ND	15 {4.95}
Richland Pumphouse-1	09/18/95	5.3 {0.8}	nra	ND	200 {48}	ND	ND	1,200 {252}	ND	ND	2,400 {648}	9,300 {3,350}	ND	ND	ND	ND
Richland Pumphouse-2		6.2 {0.93}	nra	ND	200 {50}	ND	ND	1,000 {210}	ND	ND	2,500 {675}	9,400 {3,380}	ND	ND	ND	ND
Richland Pumphouse-3		10	nra	15 {4}	200 {50}	ND	ND	1,000 {210}	ND	ND	2,400 {648}	9,300 {3,350}	ND	ND	ND	7.5 {2.48}
Richland Pumphouse-4		7.6 {1.14}	nra	ND	300 {55}	ND	ND	1,100 {231}	ND	ND	2,500 {675}	9,400 {3,380}	ND	ND	ND	5.9 {1.95}
Richland Pumphouse-5		7.2 {1.08}	nra	ND	300 {59}	ND	ND	890 {187}	ND	ND	2,600 {702}	9,300 {3,350}	ND	ND	ND	6.3 {2.08}
Richland Pumphouse-6		14 {2.1}	nra	ND	300 {59}	ND	ND	1,000 {210}	ND	ND	2,600 {702}	9,300 {3,350}	ND	ND	ND	ND
Richland Pumphouse-7		8.9 {1.34}	nra	ND	300 {67}	ND	ND	1,400 {294}	ND	ND	2,500 {675}	9,300 {3,350}	ND	ND	ND	ND
Richland Pumphouse-8		6.8 {0.99}	nra	ND	400 {82}	ND	ND	1,400 {294}	ND	ND	2,500 {675}	9,300 {3,350}	ND	ND	ND	4.3 {1.42}
Richland Pumphouse-9		9.2 {1.38}	nra	ND	400 {78}	ND	ND	850 {179}	ND	ND	2,700 {729}	9,600 {3,460}	ND	39 {35.1}	ND	ND
Richland Pumphouse-10		7.5 {1.13}	nra	ND	600 {134}	ND	ND	1,400 {294}	ND	ND	3,100 {837}	10,000 {3,600}	ND	ND	ND	3.8 {1.25}
Richland Pumphouse-1	12/07/95	13	0	ND	440 {92}	ND	ND	760 {160}	ND	ND	2,100 {567}	8,100 {2,920}	ND	ND	ND	6 {2}
Richland Pumphouse-2		14	nra	ND	520 {109}	ND	ND	ND	ND	ND	2,100 {567}	8,200 {2,950}	ND	33 {29.7}	ND	9 {3}
Richland Pumphouse-3		15	0	ND	480 {101}	ND	ND	900 {189}	ND	ND	2,100 {567}	8,100 {2,920}	ND	ND	2.8 {1.68}	6 {2}
Richland Pumphouse-4		16	ND	ND	610 {128}	ND	ND	620 {130}	ND	ND	2,100 {567}	8,200 {2,950}	ND	44 {39.6}	2.5 {1.5}	7 {2}
Richland Pumphouse-5		15	ND	ND	510 {107}	ND	ND	390 {82}	ND	ND	2,100 {567}	8,300 {2,990}	ND	ND	3 {1.8}	6 {2}
Richland Pumphouse-6		16	ND	ND	490 {103}	ND	ND	620 {130}	ND	ND	2,200 {594}	8,300 {2,990}	ND	ND	2.2 {1.32}	6 {2}
Richland Pumphouse-7		16	ND	ND	570	ND	ND	ND	ND	ND	2,300	8,300	ND	ND	ND	5

{ } - Total Propagated Analytical Uncertainty.

ND - Compound was not detected.

nra - Not routinely analyzed.

Table W-4. Total Recoverable Metal and Anion Data for Columbia River Transects Water, 1995

Location	Sample Date	Mn	Hg	Ni	NO ₃ ⁻	NO ₂ ⁻	P ₀₄ ⁻³	K	Se	Ag	Na	S ₀₄ ⁻²	Tl	Sn	V	Zn
Richland Pumphouse-8		{2} 14	0	ND	{120} 520	ND	ND	760	ND	ND	{621} 2,100	{2,990} 8,200	ND	ND	ND	{2} 6
Richland Pumphouse-9		{2} 14	{0} ND	ND	{109} 490	ND	ND	{160} 740	ND	ND	{567} 2,200	{2,950} 8,300	ND	ND	ND	{2} 9
Richland Pumphouse-10		{2} 13	0	ND	{103} 920	ND	ND	{155} 950	ND	ND	{594} 2,900	{2,990} 9,300	ND	39	3.9	{3} 4
		{2}	{0}		{193}			{200}			{783}	{3,350}		{35.1}	{2.34}	{1}

µg/L

{ } - Total Propagated Analytical Uncertainty.
 ND - Compound was not detected.
 nra - Not routinely analyzed.

Table W-5. Total Recoverable Metal and Anion Data for Columbia Riverbank Springs, 1995

Location	Sample Date	Al	Sb	Ba	Be	Br ⁻	Cd	Ca	Cr	Co	Cu	F ⁻	Fe	Mg	Mn	Ni
		µg/L														
100-B Spring	08/28/95	610 {165}	ND	59 {28.3}	ND	ND	ND	38,000 {6,840}	22 {9.24}	ND	ND	400 {156}	860 {77.4}	8,700 {1,830}	22 {3.3}	ND
100-K Spring	09/05/95	4,800 {1,300}	ND	120 {57.6}	ND	ND	2 {0.66}	44,000 {7,920}	66 {27.7}	ND	37	400 {156}	9,300 {837}	11,000 {2,310}	330 {49.5}	ND
100-N Spring	08/29/95	ND	24 {51.8}	32 {15.4}	ND	ND	ND	22,000 {3,960}	ND	ND	ND	200 {78}	60 {5.4}	5,300 {1,110}	3.2 {0.48}	ND
100-D Spring	08/29/95	66 {17.8}	ND	34 {16.3}	ND	ND	ND	19,000 {3,420}	ND	ND	ND	200 {78}	93 {8.37}	4,500 {945}	6.6 {0.99}	ND
	09/11/95	180 {48.6}	ND	72 {34.6}	ND	100 {12}	ND	48,000 {8,640}	240 {101}	ND	ND	400 {156}	180 {16.2}	9,900 {2,080}	11 {1.65}	ND
100-H Spring	09/05/95	88 {23.8}	ND	48 {23}	ND	ND	ND	41,000 {7,380}	44 {18.5}	ND	2.4	400 {156}	180 {16.2}	7,200 {1,510}	11 {1.65}	ND
100-F Spring	09/12/95	1,700 {459}	ND	58 {27.8}	ND	ND	1.1 {0.363}	48,000 {8,640}	37 {15.5}	ND	3.9	600 {234}	2,500 {225}	11,000 {2,310}	39 {5.85}	ND
Hanford Spring	09/05/95	67 {18.1}	ND	43 {20.6}	ND	ND	ND	33,000 {5,940}	ND	ND	ND	400 {156}	100 {9}	7,600 {1,600}	7.1 {1.07}	ND
300 Area Spring	09/05/95	140 {37.8}	ND	96 {46.1}	ND	100 {12}	ND	48,000 {8,640}	4.4 {1.85}	ND	ND	500 {195}	190 {17.1}	9,900 {2,080}	5.8 {0.87}	ND

{ } - Total Propagated Analytical Uncertainty.

ND - Compound was not detected.

nra - Not routinely analyzed.

Table W-5. Total Recoverable Metal and Anion Data for Columbia Riverbank Springs, 1995

Location	Sample Date	No ₃ ⁻	No ₂ ⁻	Po ₄ ⁻³	K	Ag	Na	So ₄ ⁻²	Sn	V	Zn
<i>µg/kg dry weight</i> <i>2/9/2</i>											
100-B Spring	08/28/95	7,900 {1,660}	ND	ND	4,100 {861}	ND	9,900 {2,670}	34,000 {12,200}	ND	11 {6.6}	45 {14.9}
100-K Spring	09/05/95	15,000 {3,150}	ND	ND	4,600 {966}	ND	5,500 {1,490}	25,000 {9,000}	ND	33 {19.8}	410 {135}
100-N Spring	08/29/95	3,800 {798}	ND	ND	1,700 {357}	ND	3,300 {891}	13,000 {4,680}	ND	6.6 {3.96}	3.8 {1.25}
100-D Spring	08/29/95	1,000 {210}	ND	ND	1,600 {336}	ND	2,500 {675}	8,800 {3,170}	ND	4.2 {2.52}	7.3 {2.41}
	09/11/95	27,000 {5,670}	ND	ND	2,700 {567}	ND	7,300 {1,970}	60,000 {21,600}	ND	5.3 {3.18}	7.6 {2.51}
100-H Spring	09/05/95	47,000 {9,870}	ND	ND	3,000 {630}	ND	18,000 {4,860}	31,000 {11,200}	ND	3.6 {2.16}	10 {3.3}
100-F Spring	09/12/95	30,000 {6,300}	ND	ND	4,800 {1,010}	ND	16,000 {4,320}	42,000 {15,100}	ND	9.3 {5.58}	62 {20.5}
Hanford Spring	09/05/95	9,600 {2,020}	ND	ND	3,000 {630}	ND	14,000 {3,780}	27,000 {9,720}	ND	3 {1.8}	5.4 {1.78}
300 Area Spring	09/05/95	23,000 {4,830}	ND	ND	3,800 {798}	ND	19,000 {5,130}	49,000 {1,760}	ND	4 {2.4}	9.6 {3.17}

{ } - Total Propagated Analytical Uncer
 ND - Compound was not detected.
 nra - Not routinely analyzed.



Drinking Water

2189 100 B AREA-RIVER (DRINKING , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	LO-TRITIUM PCI/L
02/14/1995		8.640E-02 (3.490E-01)	4.880E-01 (1.370E+00)	4.790E-01 (8.870E-01)	1.110E-01 (8.570E-01)	6.000E-02 (3.430E-02)	4.450E+01 (9.050E+00)
05/02/1995		5.330E-01 (5.430E-01)	3.850E+00 (1.730E+00)	2.480E+00 (1.550E+00)	< -1.850E-02 (1.410E+00)	5.810E-02 (4.730E-02)	3.670E+01 (8.990E+00)
07/25/1995	1	5.550E-01 (5.650E-01)	< -3.860E-01 (1.240E+00)	8.990E-01 (9.420E-01)	2.570E-01 (1.170E+00)	5.870E-02 (3.510E-02)	5.090E+01 (9.600E+00)
10/17/1995		4.700E-01 (5.340E-01)	< -2.060E-01 (1.320E+00)	6.900E-01 (1.640E+00)	< -9.280E-01 (1.320E+00)	7.760E-02 (4.310E-02)	4.700E+01 (9.480E+00)
MEAN		4.111E-01	9.365E-01	1.137E+00	-1.446E-01	6.360E-02	4.478E+01
MINIMUM		8.640E-02	< -3.860E-01	4.790E-01	< -9.280E-01	5.810E-02	3.670E+01
MAXIMUM		5.550E-01	3.850E+00	2.480E+00	2.570E-01	7.760E-02	5.090E+01
2STD. ERR		2.194E-01	1.979E+00	9.116E-01	5.342E-01	9.367E-03	5.993E+00

2190 100 D AREA (DRINKING , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
02/07/1995		4.170E-01 (5.710E-01)	< -1.170E+00 (1.210E+00)	3.450E-01 (1.310E+00)	2.750E-01 (9.180E-01)	9.140E-02 (4.040E-02)	4.610E+01 (9.180E+00)
05/02/1995		1.510E-02 (4.300E-01)	6.380E-01 (1.360E+00)	< -6.360E-02 (1.100E+00)	< -3.940E-01 (1.370E+00)	7.690E-02 (5.020E-02)	7.830E+01 (1.250E+02)
08/02/1995		5.730E-02 (3.110E-01)	< -8.510E-01 (1.110E+00)	8.660E-01 (9.500E-01)	1.700E+00 (1.180E+00)	6.220E-02 (3.750E-02)	7.790E+01 (1.260E+02)
10/17/1995		2.830E-01 (4.240E-01)	1.480E+00 (1.440E+00)	< -2.910E-01 (1.480E+00)	< -2.950E-02 (1.250E+00)	1.080E-01 (4.680E-02)	5.430E+01 (1.460E+02)
MEAN		1.931E-01	2.425E-02	2.141E-01	3.879E-01	8.463E-02	6.415E+01
MINIMUM		1.510E-02	< -1.170E+00	< -2.910E-01	< -3.940E-01	6.220E-02	4.610E+01
MAXIMUM		4.170E-01	1.480E+00	8.660E-01	1.700E+00	1.080E-01	7.830E+01
2STD. ERR		1.900E-01	1.250E+00	5.081E-01	9.165E-01	1.962E-02	1.645E+01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

1 - Not routinely analyzed or analyzed on a less frequent basis

1 COLLECTED FROM SINK AT FILTER PLANT.

2199 ALE HDQTRS

(DRINKING , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
02/21/1995		2.160E+00 (1.240E+00)	6.620E+00 (2.020E+00)	< .000E+00 (1.110E+00)	< -5.360E-01 (1.190E+00)	< -2.280E-03 (2.310E-02)	6.660E+00 (1.370E+02)
05/16/1995		1.110E+00 (1.110E+00)	1.010E+01 (1.010E+01)	4.160E-02 (1.450E+00)	< -5.460E-01 (1.240E+00)	< -3.310E-02 (2.870E+02)	3.590E+01 (1.290E+02)
08/08/1995		2.990E-01 (1.210E+00)	1.050E+01 (2.400E+00)	4.100E-01 (1.450E+00)	7.330E-01 (1.240E+00)	< -9.740E-03 (2.880E-02)	2.460E+01 (1.230E+02)
11/01/1995	1	3.980E-01 (7.860E-01)	1.180E+01 (2.580E+00)	2.980E-01 (8.620E-01)	3.700E+00 (1.880E+00)	1.070E-02 (2.660E-02)	< -5.430E+01 (1.400E+02)
MEAN		9.918E-01	9.755E+00	1.874E-01	8.378E-01	-8.605E-03	3.215E+00
MINIMUM		2.990E-01	6.620E+00	< .000E+00	< -5.460E-01	< -3.310E-02	< -5.430E+01
MAXIMUM		2.160E+00	1.180E+01	4.100E-01	3.700E+00	1.070E-02	3.590E+01
2STD. ERR		8.585E-01	2.212E+00	1.985E-01	2.000E+00	1.838E-02	4.019E+01

2198 FIRING RANGE

(DRINKING , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
02/21/1995		9.120E-01 (8.550E-01)	1.500E+00 (1.470E+00)	2.220E-01 (1.130E+00)	2.750E-01 (9.190E-01)	8.070E-03 (3.290E-02)	< -4.920E+01 (1.340E+02)
05/16/1995		2.140E+00 (1.300E+00)	4.740E+00 (1.880E+00)	1.270E+00 (8.560E-01)	< -9.740E-01 (1.080E+00)	1.220E-03 (2.860E-02)	< -3.480E+01 (1.260E+02)
08/08/1995		5.450E-01 (7.170E-01)	5.300E+00 (1.950E+00)	6.190E-01 (9.350E-01)	< -6.310E-01 (1.210E+00)	1.480E-02 (3.240E-02)	4.710E+01 (1.240E+02)
11/01/1995	2	7.560E-01 (7.720E-01)	5.630E+00 (1.890E+00)	< -8.380E-01 (1.010E+00)	< -1.160E+00 (1.150E+00)	< -7.790E-03 (1.940E-02)	2.560E+01 (1.440E+02)
MEAN		1.088E+00	4.293E+00	3.183E-01	-6.225E-01	4.075E-03	-2.825E+00
MINIMUM		5.450E-01	1.500E+00	< -8.380E-01	< -1.160E+00	< -7.790E-03	< -4.920E+01
MAXIMUM		2.140E+00	5.630E+00	1.270E+00	2.750E-01	1.480E-02	4.710E+01
2STD. ERR		7.171E-01	1.898E+00	8.836E-01	6.372E-01	9.659E-03	4.645E+01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 BETA RESULT MODIFIED BY LAB ON 12/21/95 BECAUSE ORIGINAL RESULT WAS NOT BLANK SUBTRACTED.

2 BETA RESULT MODIFIED BY LAB ON 12/21/95 BECAUSE ORIGINAL RESULT WAS NOT BLANK SUBTRACTED.

2191 YAKIMA BARRICADE (DRINKING , RAW GRAB , UNFILTERED)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
02/07/1995		1.890E+00 (1.770E+00)	7.380E+00 (2.160E+00)	1.730E-01 (8.840E-01)	< -5.890E-01 (1.240E+00)	< -2.310E-02 (2.710E-02)	9.940E-01 (6.200E+00)
05/02/1995		3.590E-01 (7.790E-01)	8.880E+00 (2.280E+00)	< -1.250E+00 (1.320E+00)	5.320E-02 (8.910E-01)	1.290E-02 (4.470E-02)	< -2.410E+01 (1.190E+02)
07/25/1995		1.140E+00 (1.120E+00)	4.900E+00 (1.900E+00)	6.920E-01 (1.080E+00)	2.600E-01 (1.210E+00)	< -2.110E-02 (3.360E-02)	< -6.290E+01 (1.340E+02)
10/17/1995		1.810E+00 (1.250E+00)	1.050E+01 (2.470E+00)	2.470E-01 (9.520E-01)	< -2.450E-01 (1.280E+00)	< -1.010E-02 (3.370E-02)	1.230E+01 (1.390E+02)
MEAN		1.300E+00	7.915E+00	-3.450E-02	-1.302E-01	-1.035E-02	-1.843E+01
MINIMUM		3.590E-01	4.900E+00	< -1.250E+00	< -5.890E-01	< -2.310E-02	< -6.290E+01
MAXIMUM		1.890E+00	1.050E+01	6.920E-01	2.600E-01	1.290E-02	1.230E+01
2STD. ERR		7.116E-01	2.380E+00	8.421E-01	3.695E-01	1.652E-02	3.332E+01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

(DRINKING , RAW GRAB , UNFILTERED)								
2194	FFTF	ALPHA	BETA	CO-60	CS-137	I-129	SR-90	TRITIUM
OFF DATE	COM	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L	PCI/L
01/25/1995		nra	nra	nra	nra	nra	nra	6.280E+03 (5.690E+02)
02/21/1995		< -3.760E-01 (1.550E-01)	5.740E+00 (1.960E+00)	2.250E-01 (1.480E+00)	5.620E-01 (1.240E+00)	nra	5.720E-03 (3.150E-02)	6.100E+03 (5.520E+02)
03/21/1995		nra	nra	nra	nra	nra	nra	6.420E+03 (5.650E+02)
04/18/1995		nra	nra	nra	nra	nra	nra	7.270E+03 (6.330E+02)
05/16/1995		6.750E-01 (8.810E-01)	8.790E+00 (2.310E+00)	< -1.130E+00 (1.270E+00)	7.900E-01 (1.100E+00)	nra	< -2.850E-03 (3.130E-02)	6.110E+03 (5.420E+02)
06/12/1995	1	nra	nra	nra	nra	nra	nra	2.110E+04 (1.640E+03)
07/11/1995		nra	nra	nra	nra	nra	nra	2.030E+04 (1.580E+03)
08/08/1995		2.190E-01 (5.980E-01)	4.760E+00 (1.890E+00)	6.880E-02 (7.530E-01)	5.590E-01 (8.360E-01)	9.533E-03 (1.030E-03)	1.230E-02 (2.670E-02)	6.530E+03 (5.690E+02)
09/06/1995		nra	nra	nra	nra	nra	nra	6.120E+03 (5.490E+02)
10/03/1995		nra	nra	nra	nra	nra	nra	6.370E+03 (5.740E+02)
11/01/1995	2	< -3.730E-02 (2.120E-01)	7.610E+00 (2.120E+00)	4.990E-01 (1.290E+00)	7.800E-02 (1.260E+00)	nra	2.260E-03 (2.050E-02)	6.120E+03 (5.560E+02)
11/28/1995		nra	nra	nra	nra	nra	nra	5.410E+03 (5.110E+02)
12/27/1995		nra	nra	nra	nra	nra	nra	5.380E+03 (4.950E+02)
MEAN		1.202E-01	6.725E+00	-8.430E-02	4.973E-01	9.533E-03	4.357E-03	8.424E+03
MINIMUM		< -3.760E-01	4.760E+00	< -1.130E+00	7.800E-02	9.533E-03	< -2.850E-03	5.380E+03
MAXIMUM		6.750E-01	8.790E+00	4.990E-01	7.900E-01	9.533E-03	1.230E-02	2.110E+04
2STD. ERR		4.429E-01	1.815E+00	7.195E-01	2.997E-01	.000E+00	6.358E-03	3.035E+03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 WATER COLLECTED OUTSIDE VISITOR CENTER.

2 BETA RESULT MODIFIED BY LAB ON 12/21/95 BECAUSE ORIGINAL RESULT WAS NOT BLANK SUBTRACTED.

2196 300 AREA (UNFILTERED , CUMULATIVE , DRINKING)

OFF DATE	COM	ALPHA PCI/L	BETA PCI/L	CO-60 PCI/L	CS-137 PCI/L	SR-90 PCI/L	TC-99 PCI/L	LO-TRITIUM PCI/L	U-234 PCI/L
03/27/1995		9.640E-01 (8.050E-01)	2.640E-01 (1.300E+00)	1.050E+00 (8.030E-01)	1.030E+00 (1.190E+00)	9.000E-02 (3.920E-02)	1.960E-01 (5.360E-01)	1.300E+02 (1.610E+01)	3.910E-01 (9.810E-02)
06/20/1995		9.680E-01 (7.960E-01)	3.630E+00 (1.700E+00)	< -2.550E-01 (1.130E+00)	< -8.930E-01 (1.300E+00)	6.010E-02 (3.030E-02)	8.290E-03 (4.930E-01)	7.210E+01 (1.150E+01)	3.520E-01 (6.660E-02)
10/10/1995	1	1.490E+00 (9.290E-01)	1.540E+00 (1.500E+00)	1.230E+00 (1.210E+00)	2.060E-01 (1.100E+00)	6.940E-02 (3.710E-02)	< -3.640E-02 (5.310E-01)	1.970E+02 (2.150E+01)	3.310E-01 (6.810E-02)
01/04/1996		7.930E-01 (6.110E-01)	2.380E+00 (1.520E+00)	< -3.930E-01 (1.050E+00)	6.500E-01 (1.020E+00)	4.170E-01 (9.800E-02)	8.610E-02 (5.370E-01)	1.180E+02 (1.510E+01)	3.220E-01 (6.130E-02)
MEAN		1.054E+00	1.954E+00	4.080E-01	2.483E-01	1.591E-01	6.350E-02	1.293E+02	3.490E-01
MINIMUM		7.930E-01	2.640E-01	< -3.930E-01	< -8.930E-01	6.010E-02	< -3.640E-02	7.210E+01	3.220E-01
MAXIMUM		1.490E+00	3.630E+00	1.230E+00	1.030E+00	4.170E-01	1.960E-01	1.970E+02	3.910E-01
2STD. ERR		3.021E-01	1.416E+00	8.503E-01	8.320E-01	1.724E-01	1.018E-01	5.159E+01	3.069E-02

2196 300 AREA (UNFILTERED , CUMULATIVE , DRINKING)

OFF DATE	COM	U-235 PCI/L	U-238 PCI/L	U-238 PCI/L	UIISO_TOTAL PCI/L
03/27/1995		2.870E-02 (2.780E-02)	3.270E-01 (8.740E-02)	7.467E-01 (1.343E-01)	
06/20/1995		7.770E-03 (1.110E-02)	2.380E-01 (5.170E-02)	5.978E-01 (8.504E-02)	
10/10/1995		9.750E-03 (1.420E-02)	3.740E-01 (7.260E-02)	7.148E-01 (1.005E-01)	
01/04/1996		2.080E-02 (1.420E-02)	3.100E-01 (5.900E-02)	6.528E-01 (8.626E-02)	
MEAN		1.676E-02	3.123E-01	6.780E-01	
MINIMUM		7.770E-03	2.380E-01	5.978E-01	
MAXIMUM		2.870E-02	3.740E-01	7.467E-01	
2STD. ERR		9.812E-03	5.642E-02	6.619E-02	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

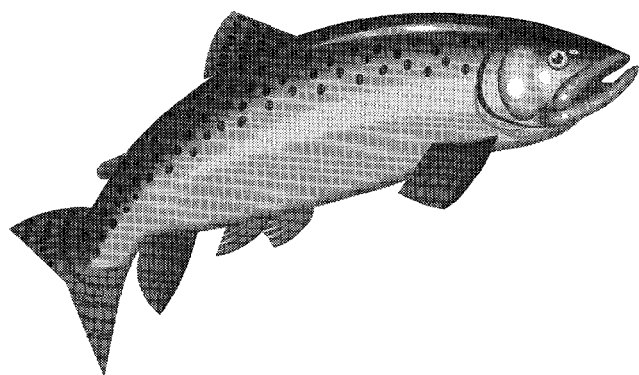
NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 U-234 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.

U-235 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.

U-238 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.



Thermoluminescent Dosimeters (TLDs)

2400 BASIN CITY SCHOOL	2389 BENTON CITY	2399 EDWIN MARKHAM SCHOOL	2382 KENNEWICK-ELY STREET					
OFF DATE	COM	RESULT	OFF DATE	COM	RESULT			
03/22/1995		2.090E-01 (7.000E-03)	03/28/1995		1.870E-01 (5.000E-03)	03/22/1995		2.040E-01 (5.000E-03)
06/28/1995		2.080E-01 (3.000E-03)	06/20/1995		1.800E-01 (1.000E-03)	06/28/1995		1.980E-01 (.000E+00)
09/20/1995	1	2.170E-01 (3.000E-03)	09/27/1995		1.810E-01 (2.000E-03)	09/20/1995		2.100E-01 (7.000E-03)
12/13/1995		2.180E-01 (8.000E-03)	12/19/1995		2.000E-01 (7.000E-03)	12/13/1995		2.100E-01 (1.000E-02)
MEAN		2.130E-01			1.870E-01			2.055E-01
MINIMUM		2.080E-01			1.800E-01			1.980E-01
MAXIMUM		2.180E-01			2.000E-01			2.100E-01
2STD. ERR		5.228E-03			9.201E-03			5.745E-03

2381 PASCO

2792 OTHELLO

2413 MATTAWA

2402 LESLIE GROVES-RCHLND

OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT
03/22/1995		2.110E-01 (6.000E-03)	03/21/1995		1.980E-01 (6.000E-03)	03/21/1995		2.070E-01 (1.800E-02)	03/22/1995		2.340E-01 (7.000E-03)
06/28/1995		2.050E-01 (.000E+00)	06/27/1995		1.960E-01 (5.000E-03)	06/27/1995		2.000E-01 (7.000E-03)	06/28/1995		2.300E-01 (5.000E-03)
09/20/1995		2.040E-01 (5.000E-03)	09/19/1995		2.000E-01 (9.000E-03)	09/19/1995		2.100E-01 (6.000E-03)	09/20/1995		2.460E-01 (8.000E-03)
12/13/1995	2	2.100E-01 (1.200E-02)	12/12/1995		2.070E-01 (9.000E-03)	12/12/1995		2.040E-01 (6.000E-03)	12/13/1995		2.550E-01 (1.400E-02)
MEAN		2.075E-01			2.003E-01			2.053E-01			2.413E-01
MINIMUM		2.040E-01			1.960E-01			2.000E-01			2.300E-01
MAXIMUM		2.110E-01			2.070E-01			2.100E-01			2.550E-01
2STD. ERR		3.512E-03			4.787E-03			4.272E-03			1.141E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 TLD FOUND ON GROUND.
2 LOCATION VANDALIZED, TLD REPLACED ON 11/09/96.

2387 SUNNYSIDE				2388 YAKIMA				2383 100 D AREA			
2827 TOPPENISH											
OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT	
03/28/1995		2.110E-01		03/28/1995		1.900E-01		03/29/1995		2.380E-01	
		(6.000E-03)				(1.100E-02)				(1.600E-02)	
06/20/1995		2.160E-01		06/20/1995		1.940E-01		06/21/1995		2.290E-01	
		(5.000E-03)				(5.000E-03)				(8.000E-03)	
				09/27/1995		1.820E-01		09/27/1995		2.370E-01	
						(3.000E-03)				(8.000E-03)	
				12/19/1995		2.060E-01		12/20/1995		2.340E-01	
						(1.000E-02)				(2.000E-03)	
MEAN		2.135E-01				1.930E-01				2.345E-01	
MINIMUM		2.110E-01				1.820E-01				2.290E-01	
MAXIMUM		2.160E-01				1.920E-01				2.380E-01	
2STD. ERR		5.000E-03				1.000E-02				4.041E-03	

2384 100 K AREA				2395 200 TEL. EXCHANGE				2396 200 W SE			
2394 200 ESE											
OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT	
03/29/1995		1.980E-01		03/21/1995		2.300E-01		03/21/1995		2.390E-01	
		(4.000E-03)				(2.000E-03)				(2.100E-02)	
06/21/1995		1.920E-01		06/27/1995		2.330E-01		06/27/1995		2.230E-01	
		(6.000E-03)				(4.000E-03)				(.000E+00)	
09/27/1995		1.970E-01		09/19/1995		2.330E-01		09/19/1995		2.350E-01	
		(9.000E-03)				(1.000E-03)				(1.000E-02)	
12/20/1995		2.020E-01		12/12/1995		2.410E-01		12/12/1995	1	2.540E-01	
		(1.100E-02)				(8.000E-03)				(3.000E-03)	
MEAN		1.973E-01				2.343E-01				2.378E-01	
MINIMUM		1.920E-01				2.300E-01				2.230E-01	
MAXIMUM		2.020E-01				2.410E-01				2.540E-01	
2STD. ERR		4.113E-03				4.717E-03				1.279E-02	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 1 TLD FOUND ON GROUND UNDER SNOW AND ICE.

2408 300 NE				2406 300 SOUTH GATE				2407 300 SOUTHWEST GATE				2403 300 TRENCH			
OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT	
03/22/1995		2.330E-01 (1.200E-02)		03/22/1995		2.220E-01 (2.700E-02)		03/22/1995		2.220E-01 (8.000E-03)		03/22/1995		2.210E-01 (2.000E-03)	
06/28/1995		2.210E-01 (4.000E-03)		06/28/1995		2.080E-01 (2.000E-03)		06/28/1995		2.200E-01 (3.000E-03)		06/28/1995		2.180E-01 (1.000E-03)	
09/20/1995		2.330E-01 (3.000E-03)		09/20/1995		2.250E-01 (4.000E-03)		09/20/1995		2.230E-01 (4.000E-03)		09/20/1995		2.220E-01 (4.000E-03)	
12/12/1995		2.250E-01 (8.000E-03)		12/12/1995		2.260E-01 (3.000E-03)		12/12/1995		2.120E-01 (3.000E-03)		12/12/1995		2.300E-01 (1.000E-03)	
MEAN		2.280E-01				2.203E-01				2.193E-01				2.228E-01	
MINIMUM		2.210E-01				2.080E-01				2.120E-01				2.180E-01	
MAXIMUM		2.330E-01				2.260E-01				2.230E-01				2.300E-01	
2STD. ERR		6.000E-03				8.342E-03				4.992E-03				5.123E-03	
2405 300 WATER INTAKE				2404 3705 BLDG. 300 AREA				2409 400 E				2410 400 N			
OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT	
03/22/1995		2.260E-01 (5.000E-03)		03/22/1995		2.220E-01 (2.000E-03)		03/22/1995	1	NR		03/22/1995		2.340E-01 (3.900E-02)	
06/28/1995		2.440E-01 (1.500E-02)		06/28/1995		2.220E-01 (7.000E-03)		06/28/1995		2.200E-01 (1.000E-03)		06/28/1995		2.140E-01 (2.000E-03)	
09/20/1995		2.480E-01 (1.000E-02)		09/20/1995		2.360E-01 (7.000E-03)		09/20/1995		2.250E-01 (1.000E-02)		09/20/1995		2.290E-01 (2.000E-03)	
12/12/1995		2.510E-01 (3.000E-03)		12/12/1995		2.360E-01 (1.000E-02)		12/12/1995		2.230E-01 (1.000E-02)		12/12/1995		2.280E-01 (1.400E-02)	
MEAN		2.423E-01				2.290E-01				2.227E-01				2.263E-01	
MINIMUM		2.260E-01				2.220E-01				2.200E-01				2.140E-01	
MAXIMUM		2.510E-01				2.360E-01				2.250E-01				2.340E-01	
2STD. ERR		1.121E-02				8.083E-03				2.906E-03				8.578E-03	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. TLD MISSING.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1995 TO 12/31/1995
TLD SAMPLES - mr/Day

Page 193

2411 400 S		2412 400 W		2393 B POND		2392 E OF 200 E	
OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM
03/22/1995		2.280E-01 (1.300E-02)	03/22/1995		2.350E-01 (3.000E-03)	03/21/1995	
06/28/1995		2.140E-01 (3.000E-03)	06/28/1995		2.300E-01 (9.000E-03)	06/27/1995	
09/20/1995		2.190E-01 (5.000E-03)	09/20/1995		2.400E-01 (2.000E-03)	09/19/1995	
12/12/1995		2.280E-01 (1.400E-02)	12/12/1995	1	2.470E-01 (2.000E-03)	12/12/1995	
MEAN		2.223E-01			2.380E-01		
MINIMUM		2.140E-01			2.300E-01		
MAXIMUM		2.280E-01			2.470E-01		
2STD. ERR		6.946E-03			7.257E-03		

2391 N OF 200 E 2390 S OF 200 E 2375 US ECOLOGY NE CORNER 2377 US ECOLOGY NW CORNER

OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT
03/21/1995		2.360E-01 (7.000E-03)	03/21/1995		2.610E-01 (1.000E-02)	03/29/1995		2.270E-01 (4.000E-03)
06/27/1995		2.270E-01 (6.000E-03)	06/27/1995		2.520E-01 (2.000E-03)	06/26/1995		2.180E-01 (.000E+00)
09/19/1995		2.380E-01 (.000E+00)	09/19/1995		2.560E-01 (.000E+00)	09/28/1995		2.280E-01 (1.000E-03)
12/12/1995		2.380E-01 (7.000E-03)	12/12/1995		2.420E-01 (1.000E-03)	12/14/1995		2.360E-01 (1.300E-02)
MEAN		2.348E-01			2.528E-01			2.273E-01
MINIMUM		2.270E-01			2.420E-01			2.180E-01
MAXIMUM		2.380E-01			2.610E-01			2.360E-01
2STD. ERR		5.252E-03			8.057E-03			7.365E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 TLD FOUND ON GROUND.

2376 US ECOLOGY SE CORNER				2378 US ECOLOGY SW CORNER				2386 WYE BARRICADE				2401 BATTELLE COMPLEX			
OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT	
03/29/1995		2.440E-01		03/29/1995		3.570E-01		03/29/1995		2.250E-01		03/22/1995		2.170E-01	
		(7.000E-03)				(2.000E-02)				(4.000E-03)				(3.000E-03)	
06/26/1995		2.430E-01		06/26/1995		3.400E-01		06/21/1995	1	2.380E-01		06/28/1995	2	NR	
		(4.000E-03)				(4.000E-03)				(1.600E-02)					
09/28/1995		2.660E-01		09/28/1995		3.880E-01						09/20/1995	3	2.000E-01	
		(7.000E-03)				(4.000E-03)								(3.000E-03)	
12/14/1995		2.580E-01		12/14/1995		3.920E-01									
		(7.000E-03)				(1.000E-03)									
MEAN		2.528E-01				3.693E-01									
MINIMUM		2.430E-01				3.400E-01				2.250E-01				2.085E-01	
MAXIMUM		2.660E-01				3.920E-01				2.380E-01				2.000E-01	
2STD. ERR		1.118E-02				2.500E-02				1.300E-02				1.700E-02	

2398 BYERS LANDING				2397 RINGOLD MET TOWER				2380 WPPSS 4; WPS WAREHOUSE				2374 WPPSS 8; FIR ROAD			
OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT	
03/23/1995		2.430E-01		03/23/1995		2.380E-01		03/29/1995		2.030E-01		03/29/1995		2.480E-01	
		(4.000E-03)				(8.000E-03)				(6.000E-03)				(7.000E-03)	
06/28/1995		2.400E-01		06/28/1995		2.450E-01		06/26/1995		2.050E-01		06/26/1995		2.530E-01	
		(2.000E-03)				(1.000E-03)				(7.000E-03)				(4.000E-03)	
09/20/1995		2.580E-01		09/20/1995		2.470E-01		09/28/1995		2.030E-01		09/28/1995		2.570E-01	
		(2.000E-03)				(.000E+00)				(1.000E-03)				(1.000E-03)	
12/13/1995		2.630E-01		12/13/1995		2.460E-01		12/14/1995		2.100E-01		12/13/1995		2.620E-01	
		(1.600E-02)				(1.000E-03)				(1.200E-02)				(3.000E-03)	
MEAN		2.510E-01				2.440E-01				2.053E-01				2.550E-01	
MINIMUM		2.400E-01				2.380E-01				2.030E-01				2.480E-01	
MAXIMUM		2.630E-01				2.470E-01				2.100E-01				2.620E-01	
2STD. ERR		1.122E-02				4.082E-03				3.304E-03				5.944E-03	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
{ } - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 DISCONTINUED.
2 DISCONTINUED. TLD NOT COLLECTED ON 6/28/95 BUT LEFT OUT IN FIELD UNTIL 9/20/95.
3 DISCONTINUED.

SURFACE ENVIRONMENTAL SURVEILLANCE DATA REPORT 01/10/1995 TO 12/31/1995
TLD SAMPLES - mr/Day

Page 195

2362 100 F FLOOD PLAIN				2346 100 N TRENCH SPRING				2368 100-D ISLAND				2365 ABOVE 100 B AREA			
OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT	
03/29/1995		3.030E-01		01/31/1995		5.130E-01		03/30/1995		2.120E-01		03/30/1995		2.310E-01	
		(2.200E-02)				(3.300E-02)				(2.000E-03)				(1.400E-02)	
06/29/1995		2.950E-01		03/01/1995		4.980E-01		06/29/1995		2.160E-01		06/29/1995		2.210E-01	
		(7.000E-03)				(7.000E-03)				(4.000E-03)				(6.000E-03)	
09/28/1995		3.340E-01		03/29/1995		5.080E-01		09/28/1995		2.330E-01		09/28/1995		2.380E-01	
		(1.800E-02)				(3.300E-02)				(2.900E-02)				(3.000E-03)	
12/14/1995		3.140E-01		06/27/1995		4.890E-01		12/14/1995	2	2.290E-01		12/14/1995		2.350E-01	
		(1.000E-03)				(1.000E-03)				(1.400E-02)				(3.000E-03)	
				09/27/1995	1	5.570E-01									
						(3.900E-02)									
				12/14/1995		5.080E-01									
						(2.200E-02)									
MEAN		3.115E-01				5.122E-01				2.225E-01				2.313E-01	
MINIMUM		2.950E-01				4.890E-01				2.120E-01				2.210E-01	
MAXIMUM		3.340E-01				5.570E-01				2.330E-01				2.380E-01	
2STD. ERR		1.690E-02				1.926E-02				1.008E-02				7.411E-03	
2364 ABOVE 1K BOAT RAMP				2345 ABOVE TIP 100N BERM				2367 BELOW 100 D AREA				2373 BELOW 100 F			
OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT		OFF DATE	COM	RESULT	
03/30/1995		2.220E-01		01/31/1995		3.530E-01		03/30/1995		2.390E-01		03/30/1995	5	2.150E-01	
		(1.200E-02)				(8.000E-03)				(3.000E-02)				(1.100E-02)	
06/29/1995		2.240E-01		03/01/1995		3.300E-01		06/29/1995		2.330E-01		06/26/1995		2.150E-01	
		(4.000E-03)				(2.500E-02)				(6.000E-03)				(9.000E-03)	
09/28/1995	3	2.450E-01		03/29/1995		3.400E-01		09/28/1995		2.510E-01		09/28/1995		2.260E-01	
		(1.500E-02)				(7.000E-03)				(2.000E-03)				(7.000E-03)	
12/14/1995		2.300E-01		06/27/1995		3.170E-01		12/14/1995		2.420E-01		12/14/1995		2.260E-01	
		(5.000E-03)				(4.000E-03)				(1.100E-02)				(2.000E-02)	
				09/27/1995	4	9.890E-01									
						(2.000E-03)									
				12/14/1995		3.290E-01									
						(1.000E-02)									
MEAN		2.303E-01				4.430E-01				2.413E-01				2.205E-01	
MINIMUM		2.220E-01				3.170E-01				2.330E-01				2.150E-01	
MAXIMUM		2.450E-01				9.890E-01				2.510E-01				2.260E-01	
2STD. ERR		1.040E-02				2.186E-01				7.500E-03				6.351E-03	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

1 TLD FOUND ON GROUND.

2 TLD FOUND ON GROUND 20 FEET FROM STAKE.

3 TLD ON GROUND.

4 TLD FOUND ON GROUND.

5 GM INSTRUMENT FAILURE, NO SURVEY READING.

2366 BELOW 100B RET BASIN 2343 BELOW 100N OUTFALL 2344 BELOW 100N STACK 2369 BELOW OPP 100 D

OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT
03/30/1995		2.900E-01 (7.000E-03)	01/31/1995		4.840E-01 (3.800E-02)	01/31/1995		3.520E-01 (2.800E-02)	03/30/1995		2.170E-01 (7.000E-03)
06/29/1995		2.740E-01 (9.000E-03)	03/01/1995		4.690E-01 (3.700E-02)	03/01/1995		3.370E-01 (8.000E-03)	06/29/1995		2.030E-01 (3.000E-03)
09/28/1995		3.220E-01 (2.000E-03)	03/29/1995		4.900E-01 (5.000E-03)	03/29/1995		3.490E-01 (9.000E-03)	09/28/1995		2.250E-01 (4.000E-03)
12/14/1995		3.130E-01 (1.500E-02)	06/27/1995		4.590E-01 (1.000E-02)	06/27/1995		3.270E-01 (5.000E-03)	12/14/1995		2.170E-01 (6.000E-03)
			09/27/1995		7.370E-01 (5.600E-02)	09/27/1995		1.111E+00 (3.800E-02)			
			12/14/1995		3.690E-01 (2.000E-03)	12/14/1995		3.120E-01 (2.100E-02)			
MEAN		2.998E-01			5.013E-01			4.647E-01			2.155E-01
MINIMUM		2.740E-01			3.690E-01			3.120E-01			2.030E-01
MAXIMUM		3.220E-01			7.370E-01			1.111E+00			2.250E-01
2STD. ERR		2.182E-02			1.009E-01			2.588E-01			9.147E-03

2348 HANF POWERLINE XING 2349 HANFORD FERRY LND. 2350 HANFORD RR TRACK 2363 HANFORD SLOUGH

OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT
03/31/1995		2.500E-01 (1.100E-02)	03/31/1995		2.130E-01 (8.000E-03)	03/31/1995		2.500E-01 (3.000E-03)	03/29/1995		2.600E-01 (1.000E-03)
06/30/1995		2.500E-01 (2.000E-03)	06/30/1995	1	NR	06/30/1995		2.510E-01 (2.000E-03)	06/26/1995		2.640E-01 (2.000E-03)
09/29/1995		2.450E-01 (5.000E-03)	09/29/1995	2	2.350E-01 (5.000E-03)	09/29/1995		2.690E-01 (1.400E-02)	09/28/1995		3.040E-01 (5.000E-03)
12/15/1995		2.650E-01 (1.900E-02)	12/15/1995	3	NR	12/15/1995		2.690E-01 (2.000E-03)	12/14/1995		2.900E-01 (1.400E-02)
MEAN		2.525E-01			2.240E-01			2.598E-01			2.795E-01
MINIMUM		2.450E-01			2.130E-01			2.500E-01			2.600E-01
MAXIMUM		2.650E-01			2.350E-01			2.690E-01			3.040E-01
2STD. ERR		8.660E-03			2.200E-02			1.069E-02			2.106E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 NO SAMPLE. TLDs MISSING.
2 TAPE BROKE, TLD FOUND WEDGED ON POST.
3 NO SAMPLE. TLD MISSING.

2361 ISL DS BATEMAN ISL	2359 ISLAND NEAR 300 AREA	2358 ISLAND ABOVE 300 AREA	2370 LO END LOCKE ISL						
OFF DATE	COM	RESULT	OFF DATE	COM	RESULT				
03/31/1995		2.510E-01 (2.000E-03)	03/31/1995		2.420E-01 (2.500E-02)	03/30/1995		2.470E-01 (9.000E-03)	2.380E-01 (1.900E-02)
07/06/1995		2.500E-01 (6.000E-03)	06/30/1995		2.270E-01 (1.000E-03)	06/30/1995		2.600E-01 (1.700E-02)	2.300E-01 (5.000E-03)
09/29/1995	1	NR	09/29/1995	2	2.330E-01 (3.000E-03)	09/29/1995		2.520E-01 (1.000E-02)	2.590E-01 (3.000E-03)
12/15/1995		2.530E-01 (1.100E-02)	12/15/1995		2.440E-01 (1.600E-02)	12/15/1995		2.570E-01 (6.000E-03)	2.530E-01 (.000E+00)
MEAN		2.513E-01			2.365E-01			2.540E-01	2.450E-01
MINIMUM		2.500E-01			2.270E-01			2.470E-01	2.300E-01
MAXIMUM		2.530E-01			2.440E-01			2.600E-01	2.590E-01
2STD. ERR		1.764E-03			7.937E-03			5.715E-03	1.334E-02

2354 N END WOODED ISLAND 2360 PORT OF BENTON-RIVER 2353 POWERLINE CROSSING 2352 RINGOLD ISLAND

OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT
03/31/1995		2.540E-01 (7.000E-03)	03/31/1995	4	NR	03/31/1995		2.300E-01 (9.000E-03)	03/31/1995	6	NR
06/30/1995		2.380E-01 (2.000E-03)	06/30/1995		2.210E-01 (6.000E-02)	06/30/1995		2.380E-01 (1.700E-02)	06/30/1995		2.420E-01 (1.200E-02)
09/29/1995	3	2.700E-01 (5.000E-03)	09/29/1995		2.330E-01 (2.000E-03)	09/29/1995		2.470E-01 (4.000E-03)	09/29/1995	7	2.520E-01 (9.000E-03)
12/15/1995		2.770E-01 (2.200E-02)	12/15/1995	5	2.600E-01 (8.000E-03)	12/15/1995		2.460E-01 (1.600E-02)	12/15/1995		2.410E-01 (1.700E-02)
MEAN		2.598E-01			2.380E-01			2.403E-01			2.450E-01
MINIMUM		2.380E-01			2.210E-01			2.300E-01			2.410E-01
MAXIMUM		2.770E-01			2.600E-01			2.470E-01			2.520E-01
2STD. ERR		1.740E-02			2.307E-02			7.932E-03			7.024E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

1 NO SAMPLE. TLD MISSING.

2 TLD ON GROUND, WATER IN PLASTIC BAG.

3 TLD ON GROUND.

4 NO SAMPLE. TLD AND WIRE HOLDER MISSING.

5 TLD FOUND ON GROUND.

6 NO SAMPLE. TLD, TLD STAKE AND SIGN MISSING.

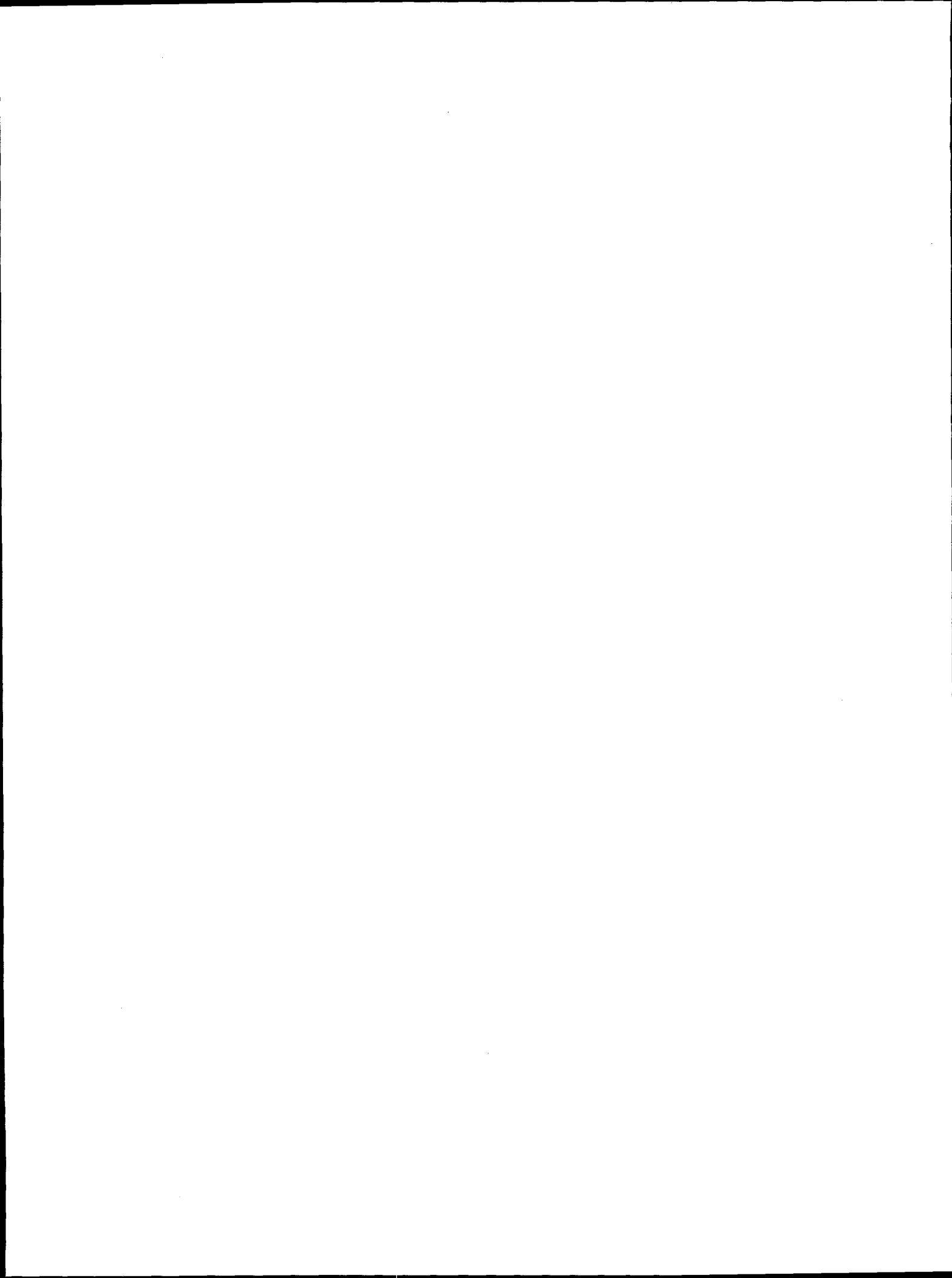
7 TLD ON GROUND.

2357 S END WOODED ISLAND			2351 SAVAGE ISL SLOUGH			2372 WHITE BLUFFS FY LND.			2371 WHITE BLUFFS SLOUGH		
OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT	OFF DATE	COM	RESULT
03/31/1995		2.510E-01 (3.000E-03)	03/31/1995		2.140E-01 (7.000E-03)	03/30/1995	3	2.240E-01 (4.000E-03)	03/30/1995		2.820E-01 (5.000E-03)
06/30/1995		2.660E-01 (1.000E-02)	06/30/1995		2.020E-01 (4.000E-03)	06/29/1995		2.210E-01 (2.000E-03)	06/29/1995		2.670E-01 (1.300E-02)
09/29/1995	1	2.690E-01 (1.000E-02)	09/29/1995		2.230E-01 (1.400E-02)	09/28/1995		2.370E-01 (1.600E-02)	09/28/1995		3.080E-01 (2.800E-02)
12/15/1995	2	NR	12/15/1995		2.310E-01 (4.000E-03)	12/14/1995		2.310E-01 (9.000E-03)	12/14/1995		2.930E-01 (1.900E-02)
MEAN		2.620E-01			2.175E-01			2.283E-01			2.875E-01
MINIMUM		2.510E-01			2.020E-01			2.210E-01			2.670E-01
MAXIMUM		2.690E-01			2.310E-01			2.370E-01			3.080E-01
2STD. ERR		1.114E-02			1.245E-02			7.182E-03			1.733E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
1 TLD ON GROUND, WATER IN PLASTIC BAG.
2 NO SAMPLE. TLD MISSING.
3 GM INSTRUMENT FAILURE, NO SURVEY READING.



Foodstuffs



2335 SAGEMOOR COMPOSITE (COW , Milk)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
01/11/1995		2.180E+00 (2.260E+01)	< -1.590E+00 (3.250E+00)	9.250E-01 (2.470E+00)	7.490E-01 (2.830E+00)	< -9.150E+00 (1.060E+01)	1.400E+03 (1.880E+02)	nra (1.960E+02)	1.990E+02 (1.960E+02)
02/08/1995		9.810E+00 (2.420E+01)	< -9.340E-01 (3.330E+00)	< -3.590E+00 (2.660E+00)	< -1.220E-01 (2.940E+00)	9.600E+00 (8.920E+00)	1.340E+03 (1.880E+02)	3.540E-01 (3.070E-01)	1.270E+02 (2.090E+02)
03/08/1995		< -2.450E+01 (2.100E+01)	< -7.730E-01 (2.980E+00)	< -2.390E+00 (2.260E+00)	< -2.060E+00 (2.830E+00)	3.570E+00 (8.960E+00)	9.860E+02 (1.470E+02)	nra (1.460E+02)	1.740E+01 (1.460E+02)
04/05/1995		6.920E+00 (2.120E+01)	1.140E+00 (3.370E+00)	3.130E-01 (2.430E+00)	4.800E-01 (2.680E+00)	4.120E-01 (9.720E+00)	1.440E+03 (1.830E+02)	nra (1.450E+02)	7.070E+01 (1.450E+02)
05/03/1995		< -7.640E-01 (2.130E+01)	< -1.090E+00 (3.380E+00)	< -7.320E-01 (2.450E+00)	1.660E+00 (2.680E+00)	7.220E+00 (9.520E+00)	1.210E+03 (1.680E+02)	1.630E-01 (4.050E-01)	8.140E+01 (1.290E+02)
05/31/1995		2.750E+01 (2.470E+01)	2.080E-01 (3.830E+00)	< -1.730E+00 (2.830E+00)	2.580E+00 (2.980E+00)	9.210E+00 (8.990E+00)	1.190E+03 (1.700E+02)	nra (1.530E+02)	1.530E+02 (1.530E+02)
06/28/1995		1.600E+01 (2.190E+01)	< -2.520E+00 (3.420E+00)	< -3.910E+00 (2.980E+00)	< -4.180E-01 (3.130E+00)	4.390E+00 (1.060E+01)	1.390E+03 (1.870E+02)	nra (1.430E+02)	1.480E+02 (1.430E+02)
07/27/1995	1	1.850E+00 (2.330E+01)	3.750E+00 (3.430E+00)	1.670E-01 (2.830E+00)	1.560E+00 (2.980E+00)	6.800E-02 (1.090E+01)	1.420E+03 (1.920E+02)	NR (1.410E+02)	7.380E+01 (1.410E+02)
08/23/1995		< -9.450E-01 (2.340E+01)	3.080E+00 (3.380E+00)	< -9.800E-01 (2.880E+00)	< -1.590E+00 (3.250E+00)	< -4.760E+00 (1.120E+01)	1.380E+03 (1.880E+02)	nra (1.530E+02)	2.040E+02 (1.530E+02)
09/20/1995		2.330E+01 (2.100E+01)	1.030E-01 (2.720E+00)	< -2.950E+00 (2.420E+00)	< -4.690E-01 (3.460E+00)	1.050E+01 (8.850E+00)	1.130E+03 (1.660E+02)	nra (1.330E+02)	4.920E+01 (1.330E+02)
10/18/1995	2	< -2.580E+01 (2.280E+01)	< -4.180E+00 (3.320E+00)	3.700E-01 (2.230E+00)	3.340E+00 (2.380E+00)	< -1.030E+01 (9.880E+00)	1.260E+03 (1.730E+02)	4.570E-01 (3.780E-01)	2.760E+01 (1.520E+02)
11/15/1995		3.380E+00 (1.980E+01)	1.150E+00 (3.270E+00)	< -1.590E+00 (2.770E+00)	< -2.610E-01 (2.840E+00)	1.590E+01 (9.580E+00)	1.290E+03 (1.900E+02)	1.000E+00 (7.270E-01)	1.220E+02 (1.390E+02)
12/13/1995		2.390E+01 (1.980E+01)	< -2.280E+00 (3.380E+00)	9.900E-01 (2.240E+00)	6.560E-01 (2.740E+00)	< -5.770E+00 (9.200E+00)	1.240E+03 (1.740E+02)	4.660E-01 (4.090E-01)	3.100E+02 (1.540E+02)
MEAN		4.833E+00	-3.028E-01	-1.162E+00	4.696E-01	2.376E+00	1.283E+03	4.881E-01	1.218E+02
MINIMUM		< -2.580E+01	< -4.180E+00	< -3.910E+00	< -2.060E+00	< -1.030E+01	9.860E+02	1.630E-01	1.740E+01
MAXIMUM		2.750E+01	3.750E+00	9.900E-01	3.340E+00	1.590E+01	1.440E+03	1.000E+00	3.100E+02
2STD. ERR		9.134E+00	1.232E+00	9.358E-01	8.564E-01	4.520E+00	7.325E+01	2.783E-01	4.569E+01

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 SR-90 REFER TO 1/1/96 INCIDENT REPORT, RESULT LOST AT LAB.

2 MILK COMPOSITE COLLECTED AT ONLY TWO LOCATIONS.

2337 SAGEMOOR COMPOSITE (COW , MILK)

I-129	
OFF DATE	COM PCI/L
03/08/1995	9.449E-04 (1.606E-04)
08/23/1995	6.813E-04 (1.158E-04)
MEAN	8.131E-04
MINIMUM	6.813E-04
MAXIMUM	9.449E-04
2STD. ERR	2.636E-04

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis

2340 SUNNYSIDE AREA (COW , Milk)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
02/28/1995	<	.000E+00	< -4.990E+00	7.820E-02	< -1.390E+00	1.100E+00	1.300E+03	2.850E-01	< -1.900E+01
		(2.200E+01)	(3.270E+00)	(2.560E+00)	(3.160E+00)	(9.230E+00)	(1.750E+02)	(3.130E-01)	(1.450E+02)
05/23/1995	<	-2.000E+01	1.280E+00	9.910E-01	1.900E+00	3.560E+00	1.170E+03	4.110E-01	< -1.640E+01
		(2.120E+01)	(3.150E+00)	(2.620E+00)	(2.920E+00)	(1.030E+01)	(1.730E+02)	(4.480E-01)	(1.420E+02)
08/16/1995		4.960E+01	1.120E+00	< -1.840E+00	1.500E+00	1.590E+01	6.140E+02	2.580E-01	2.310E+01
		(2.070E+01)	(2.210E+00)	(2.800E+00)	(2.660E+00)	(7.440E+00)	(1.210E+02)	(3.810E-01)	(2.070E+02)
11/07/1995	<	-1.700E+01	4.380E+00	< -1.500E+00	< -1.070E+00	< -5.570E+00	9.530E+02	3.670E-01	9.420E+01
		(2.150E+01)	(2.530E+00)	(2.490E+00)	(2.610E+00)	(1.000E+01)	(1.470E+02)	(3.230E-01)	(1.380E+02)
MEAN		3.150E+00	4.475E-01	-5.677E-01	2.350E-01	3.748E+00	1.009E+03	3.303E-01	2.048E+01
MINIMUM	<	-2.000E+01	< -4.990E+00	< -1.840E+00	< -1.390E+00	< -5.570E+00	6.140E+02	2.580E-01	< -1.900E+01
MAXIMUM		4.960E+01	4.380E+00	9.910E-01	1.900E+00	1.590E+01	1.300E+03	4.110E-01	9.420E+01
2STD. ERR		3.219E+01	3.923E+00	1.333E+00	1.705E+00	8.973E+00	2.999E+02	7.104E-02	5.279E+01

2341 SUNNYSIDE AREA (COW , Milk)

OFF DATE	COM	I-129 PCI/L
02/28/1995		4.218E-04
		(9.870E-05)
08/16/1995		1.585E-04
		(2.282E-05)
MEAN		2.902E-04
MINIMUM		1.585E-04
MAXIMUM		4.218E-04
2STD. ERR		2.633E-04

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2338 WAHLUKE AREA COMP (COW , Milk)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	SR-90 PCI/L	TRITIUM PCI/L
03/07/1995		1.510E+01 (2.070E+01)	< -4.790E+00 (4.010E+00)	8.920E-01 (2.770E+00)	2.070E+00 (2.840E+00)	4.900E+00 (1.090E+01)	1.250E+03 (1.840E+02)	1.490E-01 (2.590E-01)	< -8.700E+00 (1.450E+02)
05/30/1995		< -1.470E+01 (2.410E+01)	< -9.010E-01 (3.360E+00)	1.300E+00 (2.490E+00)	< -4.370E-02 (2.960E+00)	< -7.450E+00 (9.880E+00)	1.380E+03 (1.810E+02)	4.420E-01 (4.280E-01)	< -4.410E+01 (1.390E+02)
08/22/1995		< -1.450E+01 (2.300E+01)	6.010E-01 (3.850E+00)	2.060E-01 (2.880E+00)	< -1.510E+00 (2.980E+00)	1.430E+00 (1.150E+01)	1.230E+03 (1.710E+02)	7.880E-01 (4.250E-01)	1.410E+02 (1.500E+02)
11/15/1995		6.360E+00 (2.250E+01)	< -1.720E+00 (3.210E+00)	< -2.100E+00 (2.490E+00)	< -3.490E+00 (3.010E+00)	< -1.240E+00 (9.140E+00)	1.460E+03 (1.850E+02)	6.820E-01 (6.810E-01)	2.050E+00 (1.310E+02)
MEAN		-1.935E+00	-1.703E+00	7.450E-02	-7.434E-01	-5.900E-01	1.330E+03	5.153E-01	2.256E+01
MINIMUM		< -1.470E+01	< -4.790E+00	< -2.100E+00	< -3.490E+00	< -7.450E+00	1.230E+03	1.490E-01	< -4.410E+01
MAXIMUM		1.510E+01	6.010E-01	1.300E+00	2.070E+00	4.900E+00	1.460E+03	7.880E-01	1.410E+02
2STD. ERR		1.505E+01	2.272E+00	1.518E+00	2.348E+00	5.219E+00	1.092E+02	2.838E-01	8.138E+01

2339 WAHLUKE AREA COMP (COW , Milk)

OFF DATE	COM	1-129 PCI/L
03/07/1995		3.970E-04 (5.320E-05)
08/22/1995		2.680E-04 (4.449E-05)
MEAN		3.325E-04
MINIMUM		2.680E-04
MAXIMUM		3.970E-04
2STD. ERR		1.290E-04

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2471 RIVERVIEW AREA (LEAFY VEGETABLES , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TC-99 PCI/G
05/24/1995		6.590E-02 (1.080E-01)	< -2.190E-03 (1.220E-02)	2.570E-03 (9.800E-03)	< -7.950E-03 (1.030E-02)	< -1.860E-02 (3.950E-02)	4.470E+00 (5.980E-01)	3.520E-04 (3.090E-03)	1.200E-02 (3.460E-01)

2470 SAGEMOOR AREA (LEAFY VEGETABLES , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	I-129 PCI/G	K-40 PCI/G	SR-90 PCI/G
08/02/1995		5.560E-02 (1.330E-01)	8.850E-03 (1.510E-02)	< -1.770E-02 (1.510E-02)	< -9.000E-03 (1.560E-02)	< -5.260E-02 (4.740E-02)	< -3.460E-02 (5.440E-02)	4.180E+00 (6.770E-01)	5.970E-03 (3.210E-03)

2472 SUNNYSIDE AREA (LEAFY VEGETABLES , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
06/14/1995		4.020E-02 (1.050E-01)	< -1.140E-02 (1.430E-02)	1.920E-03 (8.140E-03)	< -1.470E-02 (9.940E-03)	1.340E-02 (3.680E-02)	1.820E+00 (4.180E-01)	1.660E-04 (2.960E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2656 RIVERVIEW AREA (CARROT , Root)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	
09/25/1995		< -4.710E-02 (7.480E-02)	< .000E+00 (1.240E-02)	< -3.800E-03 (9.850E-03)	< -1.030E-02 (1.170E-02)	1.360E-02 (3.650E-02)	4.050E+00 (5.900E-01)	3.910E-03 (2.880E-03)	

2651 HORN RAPIDS AREA (POTATO , Tuber)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	PU-238 PCI/G	PU39-40 PCI/G
09/29/1995	1	8.310E-02 (7.770E-02)	6.870E-03 (1.010E-02)	< -8.160E-03 (9.070E-03)	9.610E-03 (7.880E-03)	< -4.550E-03 (3.570E-02)	4.390E+00 (6.410E-01)	2.500E-05 (9.220E-05)	< -4.680E-07 (5.650E-05)

2651 HORN RAPIDS AREA (POTATO , Tuber)									
OFF DATE	COM	SR-90 PCI/G	TC-99 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G	UISO_TOTAL PCI/G		
09/29/1995		4.800E-03 (3.850E-03)	2.180E-02 (3.820E-01)	< -5.070E-04 (1.960E-03)	< -6.800E-04 (1.070E-03)	< -1.590E-04 (1.470E-03)	< -1.346E-03 (2.673E-03)		

2650 RIVERVIEW AREA (POTATO , Tuber)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	
10/04/1995		< -8.010E-02 (8.900E-02)	< .000E+00 (1.410E-02)	< -7.080E-03 (1.000E-02)	< -1.200E-03 (1.130E-02)	< -9.900E-03 (3.430E-02)	4.050E+00 (6.050E-01)	< -4.530E-04 (2.800E-03)	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 U-238 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.
U-238 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.
U-238 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.

2652 SAGEMOOR AREA (POTATO , Tuber)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	PU-238 PCI/G	PU39-40 PCI/G
09/25/1995		< -8.170E-02 (8.660E-02)	< -1.600E-04 (1.130E-02)	6.450E-04 (1.040E-02)	3.270E-03 (9.410E-03)	2.300E-02 (3.590E-02)	3.620E+00 (6.000E-01)	1.790E-04 (1.440E-04)	< -8.540E-05 (9.410E-05)

2652 SAGEMOOR AREA (POTATO , Tuber)		
OFF DATE	COM	SR-90 PCI/G
09/25/1995	<	-8.560E-04 (2.690E-03)

2653 SUNNYSIDE AREA (POTATO , Tuber)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	PU-238 PCI/G	PU39-40 PCI/G
09/25/1995	1	< -3.890E-02 (7.870E-02)	6.890E-03 (1.450E-02)	< -5.610E-03 (1.140E-02)	< -9.040E-03 (1.190E-02)	1.240E-02 (4.590E-02)	4.470E+00 (7.050E-01)	< -3.060E-05 (1.010E-04)	6.170E-05 (1.010E-04)

2653 SUNNYSIDE AREA (POTATO , Tuber)							
OFF DATE	COM	SR-90 PCI/G	TC-99 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G	UIISO_TOTAL PCI/G
09/25/1995		< -1.230E-03 (2.920E-03)	1.130E-02 (3.800E-01)	4.490E-04 (2.990E-03)	< -8.010E-04 (1.700E-03)	< -1.230E-03 (1.620E-03)	< -1.582E-03 (3.802E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

na - Not routinely analyzed or analyzed on a less frequent basis

1 U-234 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.

U-235 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.

U-238 ORIGINAL RESULT NOT BLANK SUBTRACTED, MODIFIED RESULT PER 1/9/96 REPORT.

2812 HARRAH/WAPATO AREA (TOMATO , Fruit)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TRITIUM PCI/L
08/11/1995		7.870E-04 (5.030E-02)	< -4.920E-04 (6.600E-03)	< -1.910E-03 (5.130E-03)	4.810E-03 (4.730E-03)	< -1.110E-02 (2.200E-02)	1.760E+00 (2.830E-01)	< -1.440E-03 (2.460E-03)	1.450E+02 (1.410E+02)

2655 RIVERVIEW AREA (TOMATO , Fruit)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TRITIUM PCI/L
08/02/1995		4.420E-02 (5.610E-02)	< -1.320E-03 (6.030E-03)	4.320E-03 (6.330E-03)	3.000E-03 (5.610E-03)	3.830E-03 (1.880E-02)	1.540E+00 (3.200E-01)	1.210E-03 (2.370E-03)	2.710E+01 (1.340E+02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2639 RINGOLD AREA (APPLES , Fruit)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	PU-238 PCI/G	PU39-40 PCI/G
08/23/1995		< -9.840E-02 (1.780E-01)	1.150E-02 (1.520E-02)	5.420E-03 (1.110E-02)	< -5.720E-03 (1.670E-02)	< -1.220E-03 (4.020E-02)	1.820E+00 (4.950E-01)	4.970E-05 (9.760E-05)	< -5.220E-06 (8.030E-05)

2639 RINGOLD AREA (APPLES , Fruit)			
OFF DATE	COM	SR-90 PCI/G	TRITIUM PCI/L
08/23/1995		< -1.100E-03 { 2.410E-03 }	3.910E+01 { 1.430E+02 }

2638 RIVERVIEW AREA (APPLES , Fruit)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TRITIUM PCI/L
08/23/1995		< -4.110E-02 (1.080E-01)	< -1.880E-03 (9.570E-03)	6.370E-04 (8.590E-03)	8.270E-03 (9.270E-03)	8.900E-03 (3.160E-02)	6.470E-01 (2.840E-01)	< -2.950E-03 (1.910E-03)	1.030E+00 (1.410E+02)

2635 SAGEMOOR AREA (APPLES , Fruit)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	PU-238 PCI/G	PU39-40 PCI/G
08/23/1995		3.290E-02 (1.140E-01)	< -6.140E-03 (1.360E-02)	1.240E-02 (8.350E-03)	< -2.330E-03 (9.900E-03)	1.120E-02 (2.610E-02)	8.390E-01 (3.260E-01)	6.260E-06 (5.460E-05)	5.750E-05 (8.730E-05)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2635 SAGEMOOR AREA (APPLES , Fruit)

OFF DATE	COM	SR-90 PCI/G	TRITIUM PCI/L
08/23/1995		< -2.990E-04 (2.510E-03)	< -5.960E+01 (1.380E+02)

2637 SUNNYSIDE AREA (APPLES , Fruit)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	PU-238 PCI/G	PU39-40 PCI/G
08/29/1995		1.780E-02 (8.260E-02)	5.980E-03 (1.190E-02)	< -2.280E-03 (1.030E-02)	< -1.030E-03 (1.060E-02)	1.620E-02 (3.910E-02)	9.730E-01 (3.600E-01)	< -2.410E-05 (7.000E-05)	9.610E-08 (6.270E-05)

2637 SUNNYSIDE AREA (APPLES , Fruit)

OFF DATE	COM	SR-90 PCI/G	TRITIUM PCI/L
08/29/1995		< -1.090E-05 (3.820E-03)	5.580E+01 (1.350E+02)

2620 RINGOLD AREA (CHERRIES , Fruit)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TRITIUM PCI/L
06/21/1995		2.260E-02 (5.360E-02)	< -8.290E-03 (8.780E-03)	2.560E-03 (5.440E-03)	< -2.540E-03 (6.110E-03)	8.100E-03 (2.080E-02)	1.590E+00 (2.810E-01)	1.030E-04 (2.370E-03)	8.650E+01 (1.400E+02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2618 SAGEMOOR AREA (CHERRIES , Fruit)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TRITIUM PCI/L
06/21/1995		6.950E-02 (5.860E-02)	2.300E-03 (7.800E-03)	< -4.460E-03 (6.060E-03)	4.760E-03 (7.250E-03)	3.630E-02 (2.030E-02)	2.070E+00 (3.490E-01)	< -2.720E-04 (2.670E-03)	9.720E+00 (1.360E+02)

2619 SUNNYSIDE AREA (CHERRIES , Fruit)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TRITIUM PCI/L
06/23/1995		4.530E-02 (4.690E-02)	8.760E-03 (5.360E-03)	4.250E-03 (4.490E-03)	8.080E-03 (5.060E-03)	< -8.560E-03 (2.030E-02)	2.340E+00 (3.590E-01)	< -1.980E-03 (2.750E-03)	4.450E+01 (1.380E+02)

2643 COLD CREEK AREA (CONCORD GRAPES , Fruit)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TRITIUM PCI/L
09/29/1995		< -3.590E-02 (9.650E-02)	1.290E-02 (1.330E-02)	3.510E-03 (1.050E-02)	< -7.050E-03 (1.170E-02)	< -3.050E-02 (3.700E-02)	2.730E+00 (4.880E-01)	< -5.840E-04 (3.070E-03)	< -9.160E+01 (1.370E+02)

2813 HARRAH/WAPATO AREA (CONCORD GRAPES , Fruit)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	I-129 PCI/G	K-40 PCI/G	SR-90 PCI/G
10/16/1995		< -5.490E-02 (7.800E-02)	< -6.620E-03 (1.330E-02)	< -5.570E-03 (7.870E-03)	< -2.140E-03 (8.770E-03)	5.370E-03 (3.260E-02)	< -1.390E-02 (4.680E-02)	1.800E+00 (3.610E-01)	1.960E-03 (3.060E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2813 HARRAH/WAPATO AREA (CONCORD GRAPES , Fruit)

TRITIUM		(CONCORD GRAPES , Fruit)									
OFF DATE	COM	PCI/L	BE-7	CO-60	CS-134	CS-137	EU-154	K-40	SR-90	TRITIUM	
			PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/L	
10/16/1995		3.750E+02 (1.640E+02)									

2645 RIVERVIEW AREA											
OFF DATE	COM	BE-7	CO-60	CS-134	CS-137	EU-154	K-40	SR-90	TRITIUM		
		PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/L		
09/25/1995		8.760E-02 (8.400E-02)	5.810E-03 (1.130E-02)	< -5.680E-03 (1.050E-02)	< -6.730E-03 (1.150E-02)	< -1.900E-02 (3.800E-02)	3.530E+00 (5.370E-01)	1.430E-03 (3.540E-03)	1.900E+02 (1.530E+02)		

2645 RIVERVIEW AREA (CONCORD GRAPES , Fruit)

2642 SAGEMOOR AREA (CONCORD GRAPES , Fruit)										
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TRITIUM PCI/L	
09/25/1995		8.760E-02 (8.400E-02)	5.810E-03 (1.130E-02)	< -5.680E-03 (1.050E-02)	< -6.730E-03 (1.150E-02)	< -1.900E-02 (3.800E-02)	3.530E+00 (5.370E-01)	1.430E-03 (3.540E-03)	1.900E+02 (1.530E+02)	

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	I-129 PCI/G	K-40 PCI/G	SR-90 PCI/G	
10/04/1995		< -1.050E-02 (9.180E-02)	< -8.910E-03 (1.070E-02)	< -2.000E-03 (8.660E-03)	< -5.540E-03 (9.750E-03)	4.010E-02 (2.670E-02)	3.940E-02 (3.790E-02)	2.890E+00 (4.830E-01)	2.200E-03 (3.440E-03)	

2642 SAGEMOOR AREA (CONCORD GRAPES , Fruit)

2642 SAGEMOOR AREA (CONCORD GRAPES , Fruit)										
		BE-7	CO-60	CS-134	CS-137	EU-154	I-129	K-40	SR-90	
OFF DATE	COM	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G
10/04/1995		< -1.050E-02 (9.180E-02)	< -8.910E-03 (1.070E-02)	< -2.000E-03 (8.660E-03)	< -5.540E-03 (9.750E-03)	4.010E-02 (2.670E-02)	3.940E-02 (3.790E-02)	2.890E+00 (4.830E-01)	2.200E-03 (3.440E-03)	

TRITIUM		
OFF DATE	COM	PCI/L
10/04/1995		1.380E+01 (1.430E+02)

2642 SAGEMOOR AREA (CONCORD GRAPES , Fruit)

TRITIUM			
OFF DATE	COM	PCI/L	
10/04/1995		1.380E+01 (1.430E+02)	

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2644 SUNNYSIDE AREA (CONCORD GRAPES , Fruit)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	I-129 PCI/G	K-40 PCI/G	SR-90 PCI/G
09/27/1995		6.720E-02 (9.320E-02)	6.430E-03 (1.260E-02)	< -4.480E-03 (1.110E-02)	6.520E-04 (1.080E-02)	< -6.220E-03 (3.940E-02)	3.820E-02 (3.990E-02)	3.600E+00 (5.980E-01)	2.550E-03 (3.040E-03)

2644 SUNNYSIDE AREA (CONCORD GRAPES , Fruit)									
TRITIUM									
OFF DATE	COM	PCI/L							
09/27/1995		1.430E+02 (1.490E+02)							

2814 HARRAH/WAPATO AREA (MELON , Fruit)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TRITIUM PCI/L
08/11/1995		7.760E-03 (5.880E-02)	9.250E-03 (7.200E-03)	< -2.040E-03 (6.820E-03)	< -4.790E-03 (7.500E-03)	1.230E-02 (2.600E-02)	1.840E+00 (3.340E-01)	< -1.040E-03 (2.270E-03)	< -1.690E+01 (1.330E+02)

2733 RIVERVIEW AREA (MELON , Fruit)									
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TRITIUM PCI/L
08/02/1995		< .000E+00 (6.420E-02)	3.200E-03 (8.170E-03)	3.470E-03 (6.150E-03)	2.120E-03 (7.630E-03)	2.480E-02 (2.010E-02)	1.370E+00 (2.940E-01)	< -1.040E-03 (2.120E-03)	8.090E+01 (1.370E+02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2727 COLUMBIA BASIN (WINE , Red Wine)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	TRITIUM PCI/L
12/07/1995	1	< -5.920E+00 (3.550E+01)	3.310E+00 (4.340E+00)	< -2.000E+00 (4.010E+00)	< -1.790E+00 (4.420E+00)	< -1.090E+01 (1.480E+01)	1.590E+03 (2.290E+02)	6.090E+02 (1.640E+02)
	2	3.250E+01 (3.320E+01)	1.040E+00 (5.160E+00)	< -1.810E+00 (4.100E+00)	< -3.070E+00 (4.660E+00)	< -6.280E+00 (1.270E+01)	1.450E+03 (2.250E+02)	1.040E+03 (1.910E+02)
	3	7.050E+00 (3.000E+01)	2.120E+00 (4.080E+00)	< -1.200E+00 (4.010E+00)	< -3.170E+00 (3.950E+00)	7.820E+00 (1.260E+01)	1.710E+03 (2.380E+02)	9.660E+02 (1.860E+02)
MEAN		1.122E+01	2.157E+00	-1.670E+00	-2.677E+00	-3.120E+00	1.583E+03	8.717E+02
MINIMUM		< -5.920E+00	1.040E+00	< -2.000E+00	< -3.170E+00	< -1.090E+01	1.450E+03	6.090E+02
MAXIMUM		3.250E+01	3.310E+00	< -1.200E+00	< -1.790E+00	7.820E+00	1.710E+03	1.040E+03
2STD. ERR		2.256E+01	1.311E+00	4.826E-01	8.885E-01	1.128E+01	1.503E+02	2.661E+02

2725 YAKIMA VALLEY (WINE , Red Wine)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	TRITIUM PCI/L
01/19/1996	4	6.510E+00 (2.150E+01)	1.430E+00 (3.310E+00)	1.050E+00 (2.620E+00)	1.890E+00 (2.680E+00)	1.590E+00 (8.920E+00)	1.380E+03 (1.820E+02)	1.800E+02 (1.510E+02)
	5	< -9.540E+00 (2.260E+01)	4.790E-01 (2.980E+00)	< -1.160E+00 (2.230E+00)	2.830E-02 (2.560E+00)	< -2.470E+00 (1.030E+01)	1.780E+03 (2.130E+02)	< -1.130E+02 (1.360E+02)
	6	7.540E-01 (1.910E+01)	1.550E+00 (2.140E+00)	< -1.640E-01 (2.090E+00)	< -2.430E+00 (2.350E+00)	6.480E+00 (6.880E+00)	1.610E+03 (1.970E+02)	9.770E+01 (1.610E+02)
MEAN		-7.587E-01	1.153E+00	-9.133E-02	-1.706E-01	1.867E+00	1.590E+03	5.490E+01
MINIMUM		< -9.540E+00	4.790E-01	< -1.160E+00	< -2.430E+00	< -2.470E+00	1.380E+03	< -1.130E+02
MAXIMUM		6.510E+00	1.550E+00	1.050E+00	1.890E+00	6.480E+00	1.780E+03	1.800E+02
2STD. ERR		9.389E+00	6.776E-01	1.278E+00	2.502E+00	5.175E+00	2.318E+02	1.745E+02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.

NR - No result reported.

na - Not routinely analyzed or analyzed on a less frequent basis

1 GORDON BROTHERS CABERNET SAUVIGNON, PASCO WA.

2 GORDON BROTHERS CABERNET SAUVIGNON, PASCO WA.

3 GORDON BROTHERS CABERNET SAUVIGNON, PASCO WA.

4 1995 CABERNET FRANC VARIETAL, HOGUE VINEYARDS, PROSSER, WA.

5 1995 CABERNET FRANC VARIETAL, HOGUE VINEYARDS, PROSSER, WA.

6 1995 CABERNET FRANC VARIETAL, HOGUE VINEYARDS, PROSSER, WA.

2728 COLUMBIA BASIN (WINE , White Wine)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	TRITIUM PCI/L
01/19/1996	1	8.590E+00 (2.200E+01)	4.360E+00 (2.520E+00)	< -2.770E-01 (2.410E+00)	5.540E+00 (2.400E+00)	< -8.060E+00 (7.960E+00)	5.180E+02 (1.010E+02)	4.400E+01 (1.440E+02)
	2	6.540E+00 (2.250E+01)	1.350E-01 (3.220E+00)	< -7.730E-01 (2.540E+00)	2.210E+00 (2.690E+00)	< -2.200E+00 (9.960E+00)	5.020E+02 (1.090E+02)	1.680E+02 (1.510E+02)
	3	1.800E+01 (2.660E+01)	< -1.910E+00 (3.690E+00)	< -3.390E+00 (2.960E+00)	3.110E-01 (3.280E+00)	4.970E+02 (1.050E+01)	2.180E+02 (1.260E+02)	2.180E+02 (1.600E+02)
MEAN		1.104E+01	8.617E-01	-1.480E+00	2.687E+00	-2.190E+00	5.057E+02	1.433E+02
MINIMUM		6.540E+00	< -1.910E+00	< -3.390E+00	3.110E-01	< -8.060E+00	4.970E+02	4.400E+01
MAXIMUM		1.800E+01	4.360E+00	< -2.770E-01	5.540E+00	3.690E+00	5.180E+02	2.180E+02
2STD. ERR		7.057E+00	3.692E+00	1.931E+00	3.056E+00	6.784E+00	1.267E+01	1.034E+02

2726 YAKIMA VALLEY (WINE , White Wine)

OFF DATE	COM	BE-7 PCI/L	CO-60 PCI/L	CS-134 PCI/L	CS-137 PCI/L	EU-154 PCI/L	K-40 PCI/L	TRITIUM PCI/L
12/07/1995	4	1.400E+01 (3.170E+01)	< -2.170E+00 (5.210E+00)	2.980E+00 (3.810E+00)	3.280E-01 (4.040E+00)	< -7.680E+00 (1.280E+01)	9.680E+02 (1.830E+02)	9.690E+02 (1.860E+02)
	5	2.820E+01 (3.190E+01)	< -1.790E+00 (4.960E+00)	1.350E+00 (3.610E+00)	< -7.490E-01 (4.070E+00)	< -3.140E+00 (1.270E+01)	8.750E+02 (1.730E+02)	7.990E+02 (1.750E+02)
	6	3.570E+01 (3.370E+01)	1.290E+00 (5.220E+00)	3.560E-01 (4.260E+00)	2.060E-01 (4.900E+00)	< -4.480E+00 (1.390E+01)	9.170E+02 (1.890E+02)	6.560E+02 (1.670E+02)
MEAN		2.597E+01	-8.900E-01	1.562E+00	-7.167E-02	-5.100E+00	9.200E+02	8.080E+02
MINIMUM		1.400E+01	< -2.170E+00	3.560E-01	< -7.490E-01	< -7.680E+00	8.750E+02	6.560E+02
MAXIMUM		3.570E+01	1.290E+00	2.980E+00	3.280E-01	< -3.140E+00	9.680E+02	9.690E+02
2STD. ERR		1.273E+01	2.191E+00	1.530E+00	6.810E-01	2.693E+00	5.378E+01	1.809E+02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty

NR - No result reported.

na - Not routinely analyzed or analyzed on a less frequent basis

1 1995 RIESLING VARIETAL, CLAR VINEYARDS, MATHEWS CORNERS, WA.

2 1995 RIESLING VARIETAL, CLAR VINEYARDS, MATHEWS CORNERS, WA.

3 1995 RIESLING VARIETAL, CLAR VINEYARDS, MATHEWS CORNERS, WA.

4 SS CHENIN BLANC, SUNNYSIDE WA.

5 SS CHENIN BLANC, SUNNYSIDE WA.

6 SS CHENIN BLANC, SUNNYSIDE WA.

2476 BENTON CITY AREA (ALFALFA , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
05/18/1995		1.260E+00 (2.020E-01)	< -6.900E-03 (1.530E-02)	8.270E-03 (9.750E-02)	< -7.560E-03 (1.160E-02)	< -8.280E-02 (5.170E-02)	2.980E+01 (3.080E+00)	4.930E-02 (1.160E-02)
	1	1.390E+00 (2.310E-01)	1.820E-02 (1.620E-02)	3.780E-03 (1.000E-02)	< -2.320E-03 (1.200E-02)	< -2.980E-02 (4.970E-02)	3.060E+01 (3.160E+00)	NR
		1.480E+00 (2.280E-01)	< -1.210E-03 (1.460E-02)	< -4.760E-03 (9.300E-03)	< -3.320E-03 (1.080E-02)	< -8.060E-02 (5.390E-02)	3.000E+01 (3.090E+00)	5.490E-02 (1.230E-02)
MEAN		1.377E+00	3.363E-03	2.430E-03	-4.400E-03	-6.440E-02	3.013E+01	5.230E-02
MINIMUM		1.260E+00	< -6.900E-03	< -4.760E-03	< -7.560E-03	< -8.280E-02	2.980E+01	4.930E-02
MAXIMUM		1.480E+00	1.820E-02	8.270E-03	< -2.320E-03	< -2.980E-02	3.060E+01	5.490E-02
2STD. ERR		1.277E-01	1.520E-02	7.643E-03	3.212E-03	3.462E-02	4.807E-01	5.600E-03

2480 HORN RAPIDS AREA (ALFALFA , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
05/18/1995		2.170E+00 (3.260E-01)	< -1.010E-02 (1.590E-02)	1.970E-03 (1.090E-02)	6.560E-04 (1.150E-02)	< -1.740E-02 (5.110E-02)	2.550E+01 (2.690E+00)	1.750E-02 (6.110E-03)
		1.840E+00 (2.800E-01)	< -1.010E-02 (1.280E-02)	4.020E-03 (8.520E-03)	3.930E-04 (9.940E-03)	< -2.480E-02 (3.880E-02)	1.760E+01 (1.880E+00)	9.500E-02 (2.580E-02)
	2	2.040E+00 (2.790E-01)	< -4.660E-04 (1.420E-02)	1.930E-03 (1.040E-02)	1.650E-03 (1.160E-02)	8.210E-03 (4.950E-02)	2.440E+01 (2.550E+00)	NR
MEAN		2.017E+00	-6.889E-03	2.640E-03	8.997E-04	-1.133E-02	2.250E+01	5.645E-02
MINIMUM		1.840E+00	< -1.010E-02	1.930E-03	3.930E-04	< -2.480E-02	1.760E+01	1.750E-02
MAXIMUM		2.170E+00	< -4.660E-04	4.020E-03	1.650E-03	8.210E-03	2.550E+01	9.500E-02
2STD. ERR		1.919E-01	6.423E-03	1.380E-03	7.653E-04	2.000E-02	4.941E+00	7.750E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
1 SR-90 REFER TO 9/7/95 INCIDENT REPORT, RESULT LOST AT LAB.
2 SR-90 REFER TO 9/7/95 INCIDENT REPORT, RESULT LOST AT LAB.

2475 RIVERVIEW AREA (ALFALFA , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
05/30/1995		2.100E-02 (9.180E-02)	9.280E-03 (1.290E-02)	3.290E-03 (9.130E-03)	< -9.330E-03 (1.040E-02)	< -3.440E-02 (4.510E-02)	1.840E+01 (1.940E+00)	9.670E-02 (2.710E-02)
		1.180E-02 (8.880E-02)	8.230E-03 (1.180E-02)	< -7.290E-03 (8.780E-03)	9.240E-03 (9.130E-03)	1.450E-02 (4.060E-02)	1.720E+01 (1.810E+00)	1.270E-01 (2.540E-02)
		1.870E-02 (9.680E-02)	< -3.540E-03 (1.280E-02)	3.170E-03 (8.680E-03)	3.090E-03 (1.050E-02)	< -2.700E-03 (4.070E-02)	1.700E+01 (1.820E+00)	1.220E-01 (3.290E-02)
MEAN		1.717E-02	4.657E-03	-2.767E-04	1.000E-03	-7.533E-03	1.753E+01	1.152E-01
MINIMUM		1.180E-02	< -3.540E-03	< -7.290E-03	< -9.330E-03	< -3.440E-02	1.700E+01	9.670E-02
MAXIMUM		2.100E-02	9.280E-03	3.290E-03	9.240E-03	1.450E-02	1.840E+01	1.270E-01
2STD. ERR		5.529E-03	8.219E-03	7.014E-03	1.092E-02	2.864E-02	8.743E-01	1.876E-02

2474 SAGENMOOR AREA (ALFALFA , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
05/30/1995		7.410E-01 (1.650E-01)	7.360E-03 (1.210E-02)	< -3.030E-03 (7.940E-03)	1.030E-02 (8.840E-03)	2.080E-02 (3.870E-02)	2.100E+01 (2.170E+00)	9.470E-02 (2.460E-02)
		9.090E-01 (2.000E-01)	6.490E-03 (1.300E-02)	< -1.460E-02 (1.070E-02)	8.770E-03 (1.200E-02)	< -1.680E-02 (5.000E-02)	2.080E+01 (2.180E+00)	9.680E-02 (2.580E-02)
		9.100E-01 (2.720E-01)	< -2.340E-02 (1.690E-02)	1.960E-02 (1.090E-02)	4.150E-03 (1.330E-02)	< -1.180E-03 (5.830E-02)	3.030E+01 (3.150E+00)	1.330E-01 (2.710E-02)
MEAN		8.533E-01	-3.183E-03	6.567E-04	7.740E-03	9.400E-04	2.403E+01	1.082E-01
MINIMUM		7.410E-01	< -2.340E-02	< -1.460E-02	4.150E-03	< -1.680E-02	2.080E+01	9.470E-02
MAXIMUM		9.100E-01	7.360E-03	1.960E-02	1.030E-02	2.080E-02	3.030E+01	1.330E-01
2STD. ERR		1.123E-01	2.022E-02	2.009E-02	3.697E-03	2.181E-02	6.268E+00	2.486E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

2478 SUNNYSIDE AREA (ALFALFA , STM-LV)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
05/18/1995		1.610E+00 (2.150E-01)	2.000E-02 (1.170E-02)	< -6.820E-03 (7.940E-03)	< -6.880E-04 (9.360E-03)	< -3.400E-02 (4.100E-02)	2.250E+01 (2.340E+00)	1.770E-02 (6.420E-03)
		2.070E+00 (2.720E-01)	< -8.110E-03 (1.250E-02)	1.290E-02 (7.960E-03)	4.580E-03 (9.400E-03)	< -7.470E-03 (4.280E-02)	2.670E+01 (2.740E+00)	1.720E-02 (7.000E-03)
		2.380E+00 (3.220E-01)	3.550E-03 (1.390E-02)	4.620E-03 (9.210E-03)	4.890E-04 (1.160E-02)	< -7.180E-02 (5.270E-02)	2.830E+01 (2.930E+00)	1.890E-02 (7.250E-03)
MEAN		2.020E+00	5.147E-03	3.557E-03	1.460E-03	-3.776E-02	2.583E+01	1.793E-02
MINIMUM		1.610E+00	< -8.110E-03	< -6.820E-03	< -6.880E-04	< -7.180E-02	2.250E+01	1.720E-02
MAXIMUM		2.380E+00	2.000E-02	1.290E-02	4.580E-03	< -7.470E-03	2.830E+01	1.890E-02
2STD. ERR		4.474E-01	1.631E-02	1.143E-02	3.193E-03	3.733E-02	3.459E+00	1.009E-03

2585 RIVERVIEW AREA (RYE , Grain)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
11/16/1995		< -1.340E-02 (4.010E-02)	4.280E-03 (6.220E-03)	< -2.900E-03 (4.940E-03)	2.440E-03 (5.120E-03)	1.460E-02 (1.950E-02)	4.970E+00 (5.660E-01)	8.850E-03 (6.310E-03)

2586 BENTON CITY AREA (WHEAT , Grain)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
11/16/1995		8.230E-04 (3.430E-02)	< -1.170E-04 (4.990E-03)	9.800E-05 (3.590E-03)	< -4.860E-03 (4.660E-03)	< -5.380E-03 (1.560E-02)	3.030E+00 (3.700E-01)	< -1.030E-03 (5.300E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2584 SAGEMOOR AREA (WHEAT , Grain)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	PU-238 PCI/G	PU39-40 PCI/G
10/04/1995	1	< -1.520E-03 (7.350E-02)	2.680E-03 (1.070E-02)	2.000E-03 (9.010E-03)	8.880E-03 (8.430E-03)	1.330E-02 (3.180E-02)	4.780E+00 (6.350E-01)	nra	nra

2584 SAGEMOOR AREA (WHEAT , Grain)

OFF DATE	COM	SR-90 PCI/G
10/04/1995	1	NR

2587 SUNNYSIDE AREA (WHEAT , Grain)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	PU-238 PCI/G	PU39-40 PCI/G
11/16/1995		3.620E-02 (3.440E-02)	2.140E-03 (4.560E-03)	3.420E-03 (3.920E-03)	3.050E-03 (4.050E-03)	9.150E-03 (1.300E-02)	3.360E+00 (3.920E-01)	< -2.900E-05 (3.560E-05)	< -6.690E-05 (4.780E-05)

2587 SUNNYSIDE AREA (WHEAT , Grain)

OFF DATE	COM	SR-90 PCI/G
11/16/1995		4.350E-03 (8.950E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
1 SR-90 NO SAMPLE. LOST AT LAB, REFER TO 12/1/95 INCIDENT REPORT.

2421 SAGEMOOR AREA		(CHICKEN , Eggs)						
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
03/08/1995	1	< -2.330E-02 (2.840E-01)	1.060E-02 (3.120E-02)	9.000E-03 (3.120E-02)	2.030E-02 (3.040E-02)	< .000E+00 (1.110E-01)	3.890E+00 (8.260E-01)	2.090E-01 (6.550E-02)

2423 SUNNYSIDE AREA		(CHICKEN , Eggs)						
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
02/28/1995	1	< -1.260E-01 (2.370E-01)	< -5.400E-03 (3.330E-02)	< -1.740E-02 (2.810E-02)	< -2.800E-04 (2.650E-02)	1.830E-02 (8.980E-02)	1.600E+00 (6.390E-01)	1.310E-01 (4.990E-02)

2420 SAGEMOOR AREA		(CHICKEN , Muscle)						
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
03/08/1995		2.170E-01 (2.950E-01)	< -7.620E-03 (3.350E-02)	< -1.990E-02 (2.950E-02)	3.600E-02 (3.100E-02)	6.910E-02 (8.580E-02)	2.230E+00 (9.440E-01)	< -7.490E-05 (2.210E-03)

2422 SUNNYSIDE AREA		(CHICKEN , Muscle)						
OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
02/28/1995		5.730E-02 (2.100E-01)	< .000E+00 (3.110E-02)	< -2.500E-03 (2.600E-02)	2.350E-02 (2.510E-02)	1.670E-02 (9.210E-02)	3.220E+00 (7.480E-01)	< -3.340E-03 (5.420E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis



Wildlife

2698 100-N - 100-D (WHITEFISH , Carcass)

OFF DATE	COM	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G	UISO_TOTAL PCI/G
12/18/1995		1.680E-02 (6.510E-03)	2.220E-02 (4.770E-03)	7.230E-04 (8.380E-04)	1.660E-02 (4.000E-03)	3.952E-02 (6.281E-03)
		4.640E-01 (8.830E-02)	9.560E-03 (2.650E-03)	< -1.090E-05 (3.140E-04)	6.390E-03 (2.130E-03)	1.594E-02 (3.414E-03)
		2.120E-02 (7.690E-03)	9.300E-03 (2.920E-03)	1.680E-04 (5.330E-03)	6.550E-03 (2.360E-03)	1.602E-02 (3.792E-03)
		1.540E-02 (6.550E-03)	4.320E-03 (3.880E-03)	5.560E-04 (1.790E-03)	3.670E-03 (3.160E-03)	8.546E-03 (5.315E-03)
		2.030E-02 (8.370E-03)	1.930E-02 (4.130E-03)	9.300E-04 (8.510E-04)	1.520E-02 (3.530E-03)	3.543E-02 (5.499E-03)
	1	NR	9.710E-03 (3.070E-03)	1.500E-04 (7.370E-04)	6.090E-03 (2.350E-03)	1.595E-02 (3.936E-03)
		2.350E-02 (9.900E-03)	1.100E-02 (2.860E-03)	8.330E-04 (7.730E-04)	7.750E-03 (2.360E-03)	1.958E-02 (3.788E-03)
12/20/1995	2	NR	8.410E-03 (3.090E-03)	1.780E-03 (1.370E-03)	7.860E-03 (2.960E-03)	1.805E-02 (4.493E-03)
MEAN		9.367E-02	1.173E-02	6.411E-04	8.764E-03	2.113E-02
MINIMUM		1.540E-02	4.320E-03	< -1.090E-05	3.670E-03	8.546E-03
MAXIMUM		4.640E-01	2.220E-02	1.780E-03	1.660E-02	3.952E-02
2STD. ERR		1.482E-01	4.210E-03	4.072E-04	3.255E-03	7.526E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 SR-90 RESULT LOST AT LAB.

2 SR-90 RESULT LOST AT LAB.

2697 100-N - 100-D (WHITEFISH , Muscle)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
12/18/1995		3.570E-02 (1.500E-01) < -1.730E-01 (2.070E-01) < -1.910E-01 (2.650E-01) < -2.580E-01 (2.650E-01) (3.990E-02) (2.080E-01) < -2.350E-02 (2.170E-01) < -1.430E-01 (2.120E-01) < -9.430E-02 (1.990E-01)	< -1.470E-02 (1.980E-02) (1.370E-02) (2.520E-02) (8.130E-03) (3.940E-02) (3.390E-02) (2.460E-02) (2.390E-02) (2.230E-02) < -3.500E-03 (2.470E-02) (3.730E-02) (2.280E-02) (1.960E-02) (2.080E-02)	2.250E-03 (1.460E-02) < -6.030E-03 (1.960E-02) (1.020E-02) (2.460E-02) (2.750E-03) (2.130E-02) < -2.660E-02 (1.870E-02) (1.080E-02) (1.990E-02) < -9.570E-04 (2.190E-02) < -1.010E-02 (1.670E-02)	1.300E-02 (1.620E-02) (1.790E-02) (2.110E-02) (1.880E-02) (2.500E-02) < -1.990E-02 (2.910E-02) (2.390E-02) (1.390E-02) (2.370E-02) (1.710E-02) (2.550E-02) (8.320E-03) (1.800E-02)	< -5.180E-02 (5.180E-02) < -1.860E-02 (5.840E-02) < -5.670E-02 (7.800E-02) < .000E+00 (7.910E-02) < -4.390E-02 (6.300E-02) (1.500E-02) (6.740E-02) (9.090E-03) (7.560E-02) (2.430E-02) (5.630E-02)	2.500E+00 (6.680E-01) (3.150E+00) (7.780E-01) (3.020E+00) (9.450E-01) (2.850E+00) (8.450E-01) (2.540E+00) (7.680E-01) (2.220E+00) (9.540E-01) (3.260E+00) (8.080E-01) (2.240E+00) (5.910E-01)	3.550E-03 (4.330E-03) (1.160E-03) (3.410E-03) (3.970E-04) (4.960E-03) (9.030E-04) (3.910E-03) < -8.400E-04 (1.940E-03) (9.420E-04) (3.280E-03) (4.810E-03) (1.430E-02) < -5.150E-05 (2.750E-03)
12/20/1995		-1.009E-01 < -2.580E-01 3.990E-02 7.759E-02	1.479E-02 < -1.470E-02 3.730E-02 1.261E-02	-2.211E-03 < -2.660E-02 1.080E-02 8.623E-03	9.458E-03 < -1.990E-02 1.880E-02 8.948E-03	-1.533E-02 < -5.670E-02 2.430E-02 2.266E-02	2.723E+00 2.220E+00 3.260E+00 2.859E-01	1.359E-03 < -8.400E-04 4.810E-03 1.333E-03

MEAN
MINIMUM
MAXIMUM
2STD. ERR

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 SR-90 LOW CHEMICAL YIELD. REANALYSIS OBTAINED FROM GAMMA SCAN ALIQUOT.

2 SR-90 REFER TO 3/19/96 INCIDENT REPORT REGARDING LOW CHEMICAL YIELD. REANALYSIS OBTAINED USING GAMMA SCAN ALIQUOT.

2700 300 AREA (SUCKER , Carcass)

SR-90	U-234	U-235	U-238	UISO_TOTAL
PCI/G	PCI/G	PCI/G	PCI/G	PCI/G
4.550E-02	3.150E-02	1.830E-03	3.080E-02	6.413E-02
{ 1.070E-02}	{ 6.610E-03}	{ 1.500E-03}	{ 6.470E-03}	{ 9.370E-03}
3.350E-02	2.500E-02	3.910E-04	1.620E-02	4.159E-02
{ 1.050E-02}	{ 5.920E-03}	{ 1.240E-03}	{ 4.610E-03}	{ 7.605E-03}
4.110E-02	1.180E-02	< -2.090E-04	9.850E-03	2.144E-02
{ 1.050E-02}	{ 1.910E-03}	{ 6.430E-04}	{ 3.490E-03}	{ 5.280E-03}
3.150E-02	1.210E-02	1.220E-03	8.460E-03	2.178E-02
{ 8.290E-03}	{ 3.840E-03}	{ 1.210E-03}	{ 3.210E-03}	{ 5.149E-03}
5.250E-02	2.530E-02	2.230E-03	1.840E-02	4.593E-02
{ 1.160E-02}	{ 5.600E-03}	{ 1.530E-03}	{ 4.640E-03}	{ 7.432E-03}
4.830E-02	8.000E-02	3.620E-03	5.610E-02	1.397E-01
{ 1.210E-02}	{ 1.090E-02}	{ 1.570E-03}	{ 8.270E-03}	{ 1.377E-02}
4.207E-02	3.095E-02	1.514E-03	2.330E-02	5.577E-02
3.150E-02	1.180E-02	< -2.090E-04	8.460E-03	2.144E-02
5.250E-02	8.000E-02	3.620E-03	5.610E-02	1.397E-01
6.787E-03	2.064E-02	1.117E-03	1.464E-02	3.605E-02
2STD. ERR				
MEAN				
MINIMUM				
MAXIMUM				

```
< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
      which includes the 2 sigma counting error and analytical error
      ( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
```

2699 300 AREA (SUCKER , Muscle)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
01/08/1996		5.300E-02 (1.980E-01) < -3.870E-02 (1.960E-01) < -1.330E-01 (2.150E-01) (2.790E-02) (2.600E-02) (2.710E-02) (2.010E-01) (1.060E-01) (1.940E-01) < -1.150E-01 (2.330E-01)	3.260E-03 (3.090E-02) < -9.780E-04 (2.300E-02) (2.900E-02) (2.690E-02) (2.700E-02) (2.710E-02) (2.710E-02) (1.460E-02) (2.960E-02) < -1.230E-02 (2.890E-02)	9.800E-03 (2.540E-02) (1.790E-02) (2.110E-02) < -2.300E-03 (2.370E-02) (2.300E-02) (1.040E-03) (2.120E-02) < -1.940E-03 (2.390E-02) < -1.070E-02 (2.580E-02)	1.240E-03 (2.610E-02) (1.340E-02) (2.280E-02) (3.590E-02) (2.600E-02) (2.330E-02) (2.200E-02) < -5.710E-03 (2.470E-02) (1.700E-02) (2.740E-02)	< -1.850E-02 (8.310E-02) < -5.290E-03 (7.850E-02) (2.580E-03) (8.340E-02) < -3.550E-02 (7.120E-02) < -2.280E-02 (7.870E-02) (5.250E-02) (7.390E-02)	3.570E+00 (9.040E-01) (4.000E+00) (8.240E-02) (3.030E+00) (8.970E-01) (4.030E+00) (8.190E-01) (2.820E+00) (9.000E-01) (3.920E+00) (8.580E-01)	1.630E-03 (3.420E-03) (1.950E-03) (2.670E-03) (6.870E-04) (2.440E-03) < -3.380E-04 (2.490E-03) (8.740E-04) (2.850E-03) (5.760E-04) (2.660E-03)
MEAN		-1.308E-02	1.506E-02	2.300E-03	1.419E-02	-4.502E-03	3.562E+00	8.965E-04
MINIMUM		< -1.330E-01	< -1.230E-02	< -1.070E-02	< -5.710E-03	< -3.550E-02	2.820E+00	< -3.380E-04
MAXIMUM		1.060E-01	5.850E-02	1.790E-02	3.590E-02	5.250E-02	4.030E+00	1.950E-03
STND. ERR		7.988E-02	2.065E-02	8.241E-03	1.226E-02	2.528E-02	4.278E-01	6.652E-04

```
< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
      which includes the 2 sigma counting error and analytical error
( ) - Total Propagated Analytical Uncertainty.
```

NR - No result reported.

nnra - Not routinely analyzed or analyzed on a less frequent basis

2700 300 AREA (WHITEFISH , Carcass)

OFF DATE	COM	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G	UISO TOTAL PCI/G
02/09/1995		1.060E-02	2.870E-03	2.680E-04	1.350E-03	4.488E-03
		(5.260E-03)	(1.900E-03)	(8.080E-04)	(1.340E-03)	(2.461E-03)
12/04/1995		6.230E-03	< -1.080E-03	7.430E-04	4.160E-04	7.900E-05
		(5.220E-03)	(1.620E-03)	(1.380E-03)	(1.400E-03)	(2.547E-03)
		6.090E-03	1.560E-05	1.570E-04	< -4.940E-04	< -3.214E-04
		(4.260E-03)	(1.540E-03)	(7.870E-03)	(6.560E-04)	(1.850E-03)
01/08/1996		1.840E-02	1.540E-03	< -5.540E-05	1.010E-03	2.495E-03
		(7.720E-03)	(1.890E-03)	(8.330E-04)	(1.410E-03)	(2.501E-03)
MEAN		1.033E-02	8.364E-04	2.782E-04	5.705E-04	1.685E-03
MINIMUM		6.090E-03	< -1.080E-03	< -5.540E-05	< -4.940E-04	< -3.214E-04
MAXIMUM		1.840E-02	2.870E-03	7.430E-04	1.350E-03	4.488E-03
2STD. ERR		5.773E-03	1.730E-03	3.377E-04	8.078E-04	2.245E-03

2699 300 AREA (WHITEFISH , Muscle)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G	TC-99 PCI/G
02/09/1995		< -4.140E-02	2.800E-02	< -3.090E-02	2.450E-02	< -1.240E-02	4.630E+00	< -1.220E-04	< -4.120E-02
		(2.390E-01)	(3.120E-02)	(2.960E-02)	(3.210E-02)	(1.230E-01)	(1.070E+00)	(4.330E-03)	(3.650E-01)
12/04/1995		1.340E-02	< -4.430E-03	1.130E-03	1.240E-02	< -2.200E-02	4.050E+00	< -3.380E-03	< -1.490E-02
		(2.400E-01)	(3.330E-02)	(3.050E-02)	(3.120E-02)	(1.100E-01)	(1.080E+00)	(7.110E-03)	(1.970E-01)
	1	3.510E-02	1.020E-02	3.790E-03	2.010E-02	6.570E-02	3.400E+00	1.050E-03	4.740E-02
		(1.200E-01)	(1.470E-02)	(1.330E-02)	(1.440E-02)	(3.690E-02)	(6.260E-01)	(3.040E-03)	(1.690E-01)
01/08/1996		9.720E-02	1.090E-02	< -1.060E-03	3.360E-02	2.120E-02	3.620E+00	5.920E-04	nra
		(2.710E-01)	(2.540E-02)	(3.440E-02)	(3.710E-02)	(1.090E-01)	(1.030E+00)	(3.030E-03)	
MEAN		2.608E-02	1.117E-02	-6.760E-03	2.255E-02	1.113E-02	3.925E+00	-4.650E-04	-2.900E-03
MINIMUM		< -4.140E-02	< -4.430E-03	< -3.090E-02	1.240E-02	< -2.200E-02	3.400E+00	< -3.380E-03	< -4.120E-02
MAXIMUM		9.720E-02	2.800E-02	3.790E-03	3.360E-02	6.570E-02	4.630E+00	1.050E-03	4.740E-02
2STD. ERR		5.731E-02	1.326E-02	1.622E-02	8.849E-03	3.964E-02	5.420E-01	2.002E-03	5.254E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

nra - No result reported.

1 TC-99 REFER TO 1/24/96 INCIDENT REPORT. RESULT REPORTED ALTHOUGH SAMPLE QUENCH PARAMETER BELOW ESTABLISHED QUENCH CURVE.

2699 300 AREA (WHITEFISH , Muscle)

OFF DATE	COM	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G	UIISO_TOTAL PCI/G
02/09/1995		1.160E-03 (1.810E-03)	< -3.320E-04 (8.590E-04)	5.380E-04 (1.140E-03)	1.366E-03 (2.305E-03)
12/04/1995		< -8.300E-04 (8.600E-04)	4.580E-04 (8.340E-04)	4.050E-04 (9.720E-04)	3.300E-05 (1.543E-03)
1		< -4.950E-04 (8.690E-04)	< -1.790E-04 (5.170E-04)	< -5.750E-04 (3.050E-04)	< -1.249E-03 (1.056E-03)
01/08/1996		nra	nra	nra	nra
MEAN		-5.500E-05	-1.767E-05	1.227E-04	5.000E-05
MINIMUM		< -8.300E-04	< -3.320E-04	< -5.750E-04	< -1.249E-03
MAXIMUM		1.160E-03	4.580E-04	5.380E-04	1.366E-03
2STD. ERR		1.230E-03	4.838E-04	7.019E-04	1.510E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

1 TC-99 REFER TO 1/24/96 INCIDENT REPORT. RESULT REPORTED ALTHOUGH SAMPLE QUENCH PARAMETER BELOW ESTABLISHED QUENCH CURVE.

2702 ROCKY REACH (WHITEFISH , Carcass)

OFF DATE	COM	SR-90 PCI/G	U-234 PCI/G	U-235 PCI/G	U-238 PCI/G	UIISO TOTAL PCI/G
12/31/1995	1	4.130E-02 (1.080E-02)	4.770E-03 (2.250E-03)	1.750E-04 (5.910E-04)	3.860E-03 (2.040E-03)	8.805E-03 (3.094E-03)
	2	4.800E-02 (1.050E-02)	2.980E-03 (1.800E-03)	< -1.620E-04 (4.750E-04)	3.970E-03 (1.910E-03)	6.788E-03 (2.667E-03)
01/01/1996	3	3.470E-02 (9.730E-03)	1.560E-02 (8.870E-03)	< -1.370E-03 (2.460E-03)	1.020E-02 (7.240E-03)	2.443E-02 (1.171E-02)
	4	7.090E-02 (1.830E-02)	5.950E-02 (9.830E-03)	3.300E-03 (1.980E-03)	4.990E-02 (8.660E-03)	1.127E-01 (1.325E-02)
01/06/1996	5	4.030E-02 (8.720E-03)	7.150E-03 (2.720E-03)	1.010E-03 (1.310E-03)	4.940E-03 (2.380E-03)	1.310E-02 (3.844E-03)
	6	6.360E-02 (1.540E-02)	5.250E-03 (2.390E-03)	9.080E-04 (1.010E-03)	4.570E-03 (2.130E-03)	1.073E-02 (3.357E-03)
	7	4.560E-02 (1.150E-02)	7.060E-03 (2.830E-03)	< -3.720E-04 (5.990E-04)	8.050E-03 (2.930E-03)	1.474E-02 (4.117E-03)
MEAN		4.920E-02	1.462E-02	4.984E-04	1.221E-02	2.733E-02
MINIMUM		3.470E-02	2.980E-03	< -1.370E-03	3.860E-03	6.788E-03
MAXIMUM		7.090E-02	5.950E-02	3.300E-03	4.990E-02	1.127E-01
2STD. ERR		9.974E-03	1.527E-02	1.116E-03	1.269E-02	2.878E-02

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error

() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

- 1 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 2 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 3 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 4 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 5 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 6 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 7 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.

2701 ROCKY REACH (WHITEFISH , Muscle)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
12/31/1995	1	1.040E-02 (2.560E-01)	1.120E-02 (2.890E-02)	1.640E-02 (2.480E-02)	1.150E-02 (2.790E-02)	.000E+00 (7.940E-02)	3.600E+00 (9.500E-01)	< -4.850E-04 (1.890E-03)
	2	< -8.630E-02 (3.120E-01)	< -5.700E-03 (2.910E-02)	< -1.140E-02 (2.910E-02)	3.200E-02 (2.590E-02)	1.540E-02 (1.020E-01)	3.160E+00 (1.130E+00)	< -3.310E-03 (4.770E-03)
01/01/1996	3	1.120E-01 (2.120E-01)	1.850E-02 (2.370E-02)	2.390E-02 (2.070E-02)	9.220E-03 (2.400E-02)	.000E+00 (7.610E-02)	2.130E+00 (7.210E-01)	< -1.390E-03 (2.620E-03)
	4	< -1.570E-02 (1.760E-01)	< -1.300E-02 (1.900E-02)	7.900E-03 (1.570E-02)	2.240E-02 (1.840E-02)	3.080E-02 (4.040E-02)	2.620E+00 (6.240E-01)	3.510E-03 (2.920E-03)
01/06/1996	5	1.920E-01 (2.210E-01)	< -3.240E-03 (2.630E-02)	< -1.550E-02 (2.450E-02)	5.630E-02 (3.250E-02)	6.930E-02 (7.670E-02)	2.840E+00 (9.230E-01)	< -2.010E-03 (3.240E-03)
	6	< -3.680E-01 (6.050E-01)	3.800E-03 (6.770E-02)	< -5.190E-02 (5.720E-02)	2.590E-02 (7.160E-02)	1.590E-01 (1.630E-01)	4.100E+00 (1.600E+00)	NR
	7	1.660E-01 (2.410E-01)	< -6.950E-03 (3.310E-02)	< -1.420E-02 (3.290E-02)	8.190E-03 (3.510E-02)	3.140E-02 (9.330E-02)	2.420E+00 (9.570E-01)	4.640E-04 (3.480E-03)
MEAN		1.486E-03	6.586E-04	-6.400E-03	2.364E-02	4.370E-02	2.981E+00	-4.702E-04
MINIMUM		< -3.680E-01	< -1.300E-02	< -5.190E-02	8.190E-03	.000E+00	2.130E+00	< -3.310E-03
MAXIMUM		1.920E-01	1.850E-02	2.390E-02	5.630E-02	1.590E-01	4.100E+00	3.510E-03
2STD. ERR		1.448E-01	8.392E-03	1.923E-02	1.286E-02	4.241E-02	5.216E-01	1.931E-03

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

- 1 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 2 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 3 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 4 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 5 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 6 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.
- 7 SAMPLE COLLECTED 2 MILES ABOVE CASHMERE ON THE WENATCHEE RIVER.

SR-90 RESULT LOST AT LAB.

2742 100-N - 100-D (GOOSE-WESTERN CANADIAN , Bones)

SR-90	
OFF DATE	COM
07/17/1995	PCI/G
	1.040E-01
	(5.270E-02)
	5.970E-01
	(1.320E-01)
	7.170E-01
	(1.640E-01)
	5.280E-02
	(3.790E-02)
	9.410E-02
	(4.180E-02)
MEAN	3.130E-01
MINIMUM	5.280E-02
MAXIMUM	7.170E-01
2STD. ERR	2.840E-01

2741 100-N - 100-D (GOOSE-WESTERN CANADIAN , Muscle)

BE-7		CO-60		CS-134		CS-137		EU-154		K-40		SR-90	
OFF DATE	COM	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G
07/17/1995		2.340E-02	< -9.510E-03	4.050E-04	6.060E-03	< -1.300E-02	3.070E+00	2.100E-03					
		(4.690E-02)	(9.620E-03)	(6.970E-03)	(7.070E-03)	(2.810E-02)	(4.630E-01)	(2.390E-03)					
		< -2.190E-02	4.280E-03	< -6.870E-03	5.420E-04	< -1.060E-02	2.830E+00	< -1.960E-03					
		(5.420E-02)	(9.460E-03)	(6.630E-03)	(6.650E-03)	(2.580E-02)	(4.250E-01)	(2.550E-03)					
		1.630E-02	< -4.970E-03	< -1.310E-03	6.980E-03	< -8.770E-03	2.640E+00	< -4.090E-04					
		(4.720E-02)	(6.880E-03)	(6.450E-03)	(6.820E-03)	(2.370E-02)	(3.800E-01)	(2.130E-03)					
		6.040E-03	3.110E-03	6.010E-04	4.870E-03	< -5.210E-03	3.330E+00	1.430E-04					
		(5.320E-02)	(6.630E-03)	(4.830E-03)	(7.330E-03)	(2.410E-02)	(4.580E-01)	(2.370E-03)					
		< -8.110E-03	5.960E-03	< -3.370E-04	4.320E-03	< -4.550E-03	2.750E+00	< -1.890E-04					
		(4.630E-02)	(7.150E-03)	(5.650E-03)	(5.860E-03)	(2.340E-02)	(3.980E-01)	(2.420E-03)					
MEAN		3.146E-03	-2.260E-04	-1.502E-03	4.554E-03	-8.426E-03	2.924E+00	-6.300E-05					
MINIMUM		< -2.190E-02	< -9.510E-03	< -6.870E-03	5.420E-04	< -1.300E-02	2.640E+00	< -1.960E-03					
MAXIMUM		2.340E-02	5.960E-03	6.010E-04	6.980E-03	< -4.550E-03	3.330E+00	2.100E-03					
2STD. ERR		1.641E-02	5.973E-03	2.767E-03	2.209E-03	3.198E-03	2.474E-01	1.300E-03					

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2744 HANFORD TOWNSITE (GOOSE-WESTERN CANADIAN , Bones)

OFF DATE	COM	SR-90 PCI/G
07/17/1995		3.250E-01 (8.300E-02) 1.460E-01 (4.990E-02) 1.350E-01 (4.600E-02) 5.450E-02 (3.050E-02) 4.390E-01 (1.120E-01)
MEAN		2.199E-01
MINIMUM		5.450E-02
MAXIMUM		4.390E-01
2STD. ERR		1.408E-01

2743 HANFORD TOWNSITE (GOOSE-WESTERN CANADIAN , Muscle)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G	SR-90 PCI/G
07/17/1995		8.290E-03 (6.310E-02) 4.820E-02 (4.510E-02) 7.180E-03 (5.640E-02) < -2.560E-02 (6.080E-02) 1.370E-02 (5.150E-02)	6.510E-03 (9.200E-03) 4.100E-03 (7.070E-03) 5.430E-04 (7.450E-03) < -1.410E-02 (8.310E-03) 3.630E-03 (7.650E-03)	1.730E-03 (5.940E-03) < -2.060E-03 (5.990E-03) 5.940E-03 (4.890E-03) < -1.800E-03 (6.210E-03) 7.210E-04 (6.020E-03)	1.060E-04 (6.870E-03) 2.070E-03 (6.840E-03) 4.810E-03 (5.940E-03) < -1.130E-02 (7.770E-03) 1.130E-03 (6.760E-03)	< -1.270E-02 (2.540E-02) 7.190E-03 (2.350E-02) 2.920E-02 (2.270E-02) < -1.790E-02 (2.340E-02) < -1.370E-02 (2.410E-02)	3.020E+00 (4.400E-01) 2.510E+00 (3.720E-01) 2.970E+00 (4.280E-01) 3.060E+00 (4.230E-01) 2.860E+00 (4.020E-01)	1.150E-03 (2.580E-03) 6.550E-04 (2.890E-03) 4.980E-04 (2.800E-03) < -1.480E-03 (2.710E-03) 2.520E-04 (2.580E-03)
MEAN		1.035E-02	1.366E-04	9.062E-04	-6.368E-04	-1.582E-03	2.884E+00	2.150E-04
MINIMUM		< -2.560E-02	< -1.410E-02	< -2.060E-03	< -1.130E-02	< -1.790E-02	2.510E+00	< -1.480E-03
MAXIMUM		4.820E-02	6.510E-03	5.940E-03	4.810E-03	2.920E-02	3.060E+00	1.150E-03
2STD. ERR		2.345E-02	7.367E-03	2.904E-03	5.556E-03	1.767E-02	1.987E-01	8.969E-04

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.

NR - No result reported.

nra - Not routinely analyzed or analyzed on a less frequent basis

2724 200 PONDS (MULE DEER , Bones)

SR-90
OFF DATE COM PCI/G

06/13/1995 1.620E-03
(2.810E-03)

2722 200 PONDS (MULE DEER , Muscle)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G
06/13/1995	1	< -4.100E-02	< -1.050E-02	< -2.140E-04	3.670E-02	< -1.930E-02	2.790E+00
		(2.070E-01)	(8.700E-03)	(6.820E-03)	(1.170E-02)	(2.880E-02)	(4.230E-01)

2843 EAST AREA (DUNES NEA (MULE DEER , Bones)

SR-90
OFF DATE COM PCI/G

10/14/1995 1 < -2.900E-04
(2.370E-03)

2842 EAST AREA (DUNES NEA (MULE DEER , Muscle)

OFF DATE	COM	BE-7 PCI/G	CO-60 PCI/G	CS-134 PCI/G	CS-137 PCI/G	EU-154 PCI/G	K-40 PCI/G
10/14/1995	1	3.950E-01	1.640E-03	1.760E-03	< -3.150E-03	1.650E-02	2.590E+00
		(3.100E-01)	(7.990E-03)	(7.430E-03)	(7.200E-03)	(2.620E-02)	(3.940E-01)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis
1 Collar ID 148.140.

2805 HANFORD TOWNSITE (MULE DEER , Bones)

SR-90
OFF DATE COM PCI/G

02/03/1995 1.800E-01
(5.780E-02)

2804 HANFORD TOWNSITE (MULE DEER , Liver)

PU-238 PU39-40
OFF DATE COM PCI/G PCI/G

02/03/1995 2.740E-06 < -5.280E-06
(8.410E-05) (1.100E-04)

2803 HANFORD TOWNSITE (MULE DEER , Muscle)

BE-7	CO-60	CS-134	CS-137	EU-154	K-40
PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G
-----	-----	-----	-----	-----	-----
02/03/1995	3.360E-01 < -2.070E-02	1.320E-02 (2.820E-02)	7.570E-03 (2.930E-02)	8.040E-02 (8.020E-02)	3.870E+00 (1.060E+00)
-----	-----	-----	-----	-----	-----

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

Table WL-1. Metals (µg/g dry wt.) in Pigeon Tissue Samples, 1995

MSL Code	Location	Tissue	Rep	Batch	Dry Wt.(%)	Ag	As	Be	Cd	Cr	Cu	Ni	Pd	Sb	Ti	Zn
						0.22	0.83	0.100	0.081	0.085	MDL(a) 1.2	0.25	0.080	0.19	0.04	1.37
891PGN*1	Area-300	Muscle	1	1	30.8	ND	ND	ND	ND	0.241	19.0	0.028 (b)	ND	ND	ND	38.5
891PGN*1	Area-300	Muscle	2	1		ND	ND	ND	ND	0.284	18.9	0.015 (b)	ND	ND	ND	36.4
891PGN*2	Area-300	Liver	1	1	43.4	ND	ND	ND	0.502	0.543	8.1	0.010 (b)	0.098	ND	ND	55.5
891PGN*3	Area-300	Kidney	1	1	21.2	ND	ND	ND	0.188	0.443	7.2	0.062 (b)	ND	ND	ND	85.5
891PGN*4	Area-300	Muscle	1	1	30.8	ND	ND	ND	0.014 (b)	0.291	19.4	0.014 (b)	ND	ND	ND	36.5
891PGN*5	Area-300	Liver	1	1	36.7	0.014 (b)	ND	ND	1.060	0.555	8.1	0.018 (b)	0.131	0.291	ND	49.2
891PGN*6	Area-300	Kidney	1	1	25.9	0.013 (b)	ND	ND	13.700	0.324	14.0	0.040 (b)	0.585	ND	ND	93.9
891PGN*7	Area-300	Muscle	1	1	30.9	ND	ND	ND	ND	0.192	18.3	ND	0.088	ND	ND	36.1
891PGN*8	Area-300	Liver	1	1	35.2	ND	ND	ND	0.769	0.385	7.4	0.050 (b)	0.104	ND	ND	51.8
891PGN*9	Area-300	Kidney	1	1	20.6	0.010 (b)	ND	ND	7.690	0.549	13.1	0.124 (b)	0.487	ND	ND	93.8
891PGN*10	Area-300	Muscle	1	1	31.4	ND	ND	ND	ND	0.235	19.6	0.022 (b)	ND	ND	ND	38.0
891PGN*11	Area-300	Liver	1	1	29.9	ND	ND	ND	0.602	0.416	10.4	0.041 (b)	0.135	ND	ND	79.5
891PGN*12	Area-300	Kidney	1	1	25.2	0.012 (b)	ND	ND	3.430	0.506	12.6	0.146 (b)	0.520	ND	ND	103.0
891PGN*13	Area-300	Muscle	1	1	30.2	ND	ND	ND	ND	0.284	17.8	0.033 (b)	0.113	0.197	ND	37.8
891PGN*14	Area-300	Liver	1	1	30.4	ND	ND	ND	0.444	0.547	8.3	0.059 (b)	ND	ND	ND	61.3
891PGN*15	Area-300	Kidney	1	1	0.5	0.020 (b)	ND	ND	4.180	0.841	12.3	0.042 (b)	0.240	ND	ND	97.0
891PGN*16	Seattle	Muscle	1	1	28.7	ND	ND	ND	ND	0.299	20.9	0.032 (b)	0.154	ND	ND	46.1
891PGN*17	Seattle	Liver	2	1		ND	ND	ND	ND	0.330	21.0	0.026 (b)	0.164	ND	ND	47.2
891PGN*18	Seattle	Kidney	1	1	30.2	ND	ND	ND	5.740	1.410	31.2	0.129 (b)	3.610	ND	ND	327.0
891PGN*19	Seattle	Muscle	1	1	25.1	0.011 (b)	ND	ND	12.200	0.595	24.6	0.128 (b)	2.570	ND	ND	146.0
891PGN*20	Seattle	Liver	1	1	28.3	0.015 (b)	ND	ND	0.948	0.606	15.2	0.016 (b)	ND	ND	ND	39.8
891PGN*21	Seattle	Kidney	1	1	25.6	0.021 (b)	ND	ND	1.888	0.453	15.6	1.240	2.073	0.333	ND	108.6
891PGN*22	Seattle	Muscle	1	1	27.6	0.013 (b)	ND	ND	0.146	0.410	17.6	0.096 (b)	0.130	ND	ND	46.9
891PGN*23	Seattle	Liver	1	1	27.3	0.017 (b)	ND	ND	10.758	1.080	23.7	0.237 (b)	1.363	ND	ND	130.1
891PGN*24	Seattle	Kidney	1	1	24.7	0.013 (b)	ND	ND	16.191	0.491	30.2	0.725	1.992	ND	0.078	127.7
891PGN*25	Seattle	Muscle	1	1	29.0	0.011 (b)	ND	ND	ND	0.273	17.6	0.015 (b)	ND	ND	ND	40.1
891PGN*26	Seattle	Liver	1	1	28.3	0.011 (b)	ND	ND	1.577	0.451	11.1	0.072 (b)	0.536	ND	ND	80.9
891PGN*27	Seattle	Kidney	1	1	27.9	ND	ND	ND	6.269	0.347	12.1	0.282	1.797	ND	ND	77.5
891PGN*28	Seattle	Muscle	1	1	27.3	ND	ND	ND	0.082	0.301	16.0	0.034 (b)	ND	ND	ND	44.8
891PGN*29	Seattle	Liver	1	1	28.5	ND	ND	ND	4.851	0.878	12.1	0.076 (b)	0.348	0.419	ND	70.4
891PGN*30	Seattle	Kidney	1	1	25.7	0.018 (b)	ND	ND	19.193	0.445	14.1	0.158 (b)	0.927	0.302	ND	91.2
891PGN*31	Seattle	Muscle	1	1	29.7	0.010 (b)	ND	ND	0.160	0.475	16.5	0.059 (b)	ND	ND	ND	58.1
891PGN*32	Seattle	Liver	1	1	30.7	0.016 (b)	ND	ND	5.499	0.618	14.5	0.044 (b)	1.200	ND	ND	108.2
891PGN*33	Seattle	Kidney	1	1	27.0	0.019 (b)	ND	ND	21.562	0.505	13.7	0.144 (b)	1.780	ND	0.049	117.3
891PGN*34	Seattle	Muscle	1	1	31.0	0.010 (b)	ND	ND	0.088	0.379	16.2	0.049 (b)	ND	ND	ND	40.4
891PGN*35	Seattle	Liver	1	1	29.9	0.018 (b)	ND	ND	4.665	0.817	13.3	0.050 (b)	1.138	ND	ND	83.3
891PGN*36	Seattle	Kidney	1	2	27.1	ND	ND	ND	9.732	0.710	15.2	0.174 (b)	1.526	ND	ND	88.1
891PGN*37	Seattle	Muscle	1	2	28.7	ND	ND	ND	ND	0.668	17.5	0.101 (b)	0.204	ND	ND	53.2
891PGN*38	Seattle	Liver	2	2	28.5	ND	ND	ND	0.289	0.596	20.7	0.117 (b)	0.191	ND	ND	54.4
891PGN*39	Seattle	Kidney	1	2	24.6	ND	ND	ND	0.474	0.638	39.5	0.211 (b)	5.067	ND	ND	76.7
891PGN*40	Walla Walla	Muscle	1	2	28.3	ND	ND	ND	ND	0.307	16.0	0.056 (b)	10.301	ND	0.057	68.4
891PGN*41	Walla Walla	Liver	1	2	28.0	ND	ND	ND	2.038	0.573	11.7	0.062 (b)	ND	ND	ND	40.2
891PGN*42	Walla Walla	Kidney	1	2	25.5	ND	ND	ND	5.030	0.538	12.1	0.527	0.165	ND	ND	80.9
891PGN*43	Walla Walla	Muscle	1	2	31.2	ND	ND	ND	ND	0.426	16.2	0.047 (b)	0.241	ND	ND	100.8
891PGN*44	Walla Walla	Liver	1	2	28.2	ND	ND	ND	1.493	0.914	10.5	0.053 (b)	ND	ND	ND	29.5
891PGN*45	Walla Walla	Kidney	1	2	18.2	ND	ND	ND	5.842	0.492	15.1	0.149 (b)	0.158	ND	ND	65.9
891PGN*46	Walla Walla	Muscle	1	2	28.0	ND	ND	ND	ND	0.415	15.0	0.039 (b)	0.205	ND	ND	90.5
891PGN*47	Walla Walla	Liver	1	2	27.7	ND	ND	ND	1.655	0.656	10.5	0.071 (b)	0.509	0.307	ND	32.7
																67.1

Table WL-1. Metals ($\mu\text{g/g}$ dry wt.) in Pigeon Tissue Samples, 1995

MSL Code	Location	Tissue	Rep	Batch	Dry Wt.(%)	Ag	As	Be	Cd	Cr	Cu	Ni	Pd	Sb	Tl	Zn	
						0.22	0.83	0.100	0.081	0.085	MDL(a)	1.2	0.25	0.080	0.19	0.04	1.37
891 PGN*48	Walla Walla	Kidney	1	2	20.4	0.018 (b)	ND	ND	7.286	0.536	16.3	0.104 (b)	1.525	ND	ND	ND	122.6
891 PGN*49	Walla Walla	Muscle	1	2	30.3	ND	ND	ND	ND	0.383	15.2	0.062 (b)	ND	ND	ND	ND	43.6
891 PGN*50	Walla Walla	Liver	1	2	31.2	ND	ND	ND	0.842	0.559	9.8	0.062 (b)	ND	ND	ND	ND	58.2
891 PGN*51	Walla Walla	Kidney	1	2	33.8	ND	ND	ND	3.061	0.649	12.9	0.284	0.208	ND	ND	ND	82.7
891 PGN*52	Walla Walla	Muscle	1	2	26.4	ND	ND	ND	ND	0.569	14.1	0.168 (b)	ND	ND	ND	ND	32.8
891 PGN*52	Walla Walla	Muscle	2	2		ND	ND	ND	ND	0.345	13.3	0.058 (b)	ND	ND	ND	ND	31.0
891 PGN*53	Walla Walla	Liver	1	2	28.4	ND	ND	ND	1.369	0.777	14.0	0.046 (b)	ND	ND	ND	ND	133.7
891 PGN*54	Walla Walla	Kidney	1	2	19.2	ND	ND	ND	5.623	0.395	22.8	0.046 (b)	0.162	ND	ND	ND	154.6
891 PGN*55	Walla Walla	Muscle	1	2	28.3	ND	ND	ND	ND	0.354	13.1	0.087 (b)	ND	ND	ND	ND	40.9
891 PGN*56	Walla Walla	Liver	1	2	31.9	ND	ND	ND	0.625	0.668	8.3	0.064 (b)	ND	0.281	ND	ND	66.4
891 PGN*57	Walla Walla	Kidney	1	2	21.8	0.030 (b)	ND	ND	4.754	0.549	15.9	0.162 (b)	0.114	ND	ND	ND	128.8
891 PGN*58	Walla Walla	Muscle	1	2	27.9	ND	ND	ND	ND	0.453	14.8	0.037 (b)	ND	ND	ND	ND	38.2
891 PGN*59	Walla Walla	Liver	1	2	28.9	ND	ND	ND	1.752	0.915	10.7	0.213 (b)	0.102	ND	ND	ND	74.5
891 PGN*60	Walla Walla	Kidney	1	2	21.1	ND	ND	ND	5.285	0.511	14.5	0.154 (b)	0.136	ND	ND	ND	121.6
891 PGN*61	Area-300	Muscle	1	2	30.6	ND	ND	ND	ND	0.386	17.3	0.050 (b)	ND	ND	ND	ND	44.2
891 PGN*62	Area-300	Liver	1	2	31.5	ND	ND	ND	2.056	0.643	13.6	0.075 (b)	1.063	ND	ND	ND	98.1
891 PGN*63	Area-300	Kidney	1	2	25.3	0.110 (b)	ND	ND	6.799	0.588	16.1	0.102 (b)	2.853	ND	ND	ND	122.9
891 PGN*64	Area-300	Muscle	1	2	28.2	0.015 (b)	ND	ND	ND	0.334	17.3	0.053 (b)	ND	0.335	ND	ND	42.3
891 PGN*65	Area-300	Liver	1	2	25.4	ND	ND	ND	0.109	0.992	21.3	0.032 (b)	0.110	ND	ND	ND	357.0
891 PGN*66	Area-300	Kidney	1	2	22.3	0.012 (b)	ND	ND	0.149	0.513	29.7	0.135 (b)	0.218	ND	ND	ND	128.3
891 PGN*67	Area-300	Muscle	1	2	26.9	ND	ND	ND	ND	0.437	17.2	0.057 (b)	0.089	ND	ND	ND	45.9
891 PGN*68	Area-300	Liver	1	2	25.8	0.011 (b)	ND	ND	0.332	0.835	23.9	0.054 (b)	0.665	ND	ND	ND	169.9
891 PGN*69	Area-300	Kidney	1	2	17.3	ND	ND	ND	1.349	0.602	19.4	0.083 (b)	1.124	ND	ND	ND	112.7
891 PGN*70	Area-300	Muscle	1	2	31.8	0.012 (b)	ND	ND	ND	0.415	16.2	0.065 (b)	ND	ND	ND	ND	34.8
891 PGN*71	Area-300	Liver	1	2	27.9	0.017 (b)	ND	ND	0.133	0.858	13.1	0.049 (b)	0.142	ND	ND	ND	148.9
891 PGN*72	Area-300	Kidney	1	2	23.4	0.023 (b)	ND	ND	0.175	0.617	11.8	0.064 (b)	0.206	ND	ND	ND	86.0
891 PGN*73	Area-300	Muscle	1	2	29.1	0.012 (b)	ND	ND	ND	0.448	17.7	0.078 (b)	0.304	0.281	ND	ND	48.4
891 PGN*74	Area-300	Liver	1	2	26.5	ND	ND	ND	0.328	0.706	13.3	0.068 (b)	1.486	ND	ND	ND	101.6
891 PGN*75	Area-300	Kidney	1	2	25.5	ND	ND	ND	0.586	0.645	11.9	0.096 (b)	3.379	ND	ND	ND	69.0

ND - Compound was not detected.

(a) Minimum Detectable Level.

(b) Result measured below detection limit.



Sediment

$(0, 0)$

(0.0)

 $(0, 0)$

(0, 0)

```
< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
      which includes the 2 sigma counting error and analytical error
      ( ) - Total Propagated Analytical Uncertainty.
NR - No result reported.
na - Not routinely analyzed or analyzed on a less frequent basis
1 - NO SAMPLE. NOT AVAILABLE.
```


2674 300 AREA SPRING 42-2 (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G	U_238_LEPS PCI/G
09/05/1995		1.550E-02 (7.620E-03)	6.990E-02 (1.200E-02)	< -2.340E-03 (2.260E-02)	4.460E-02 (2.230E-02)	7.600E-03 (6.540E-03)	4.060E-01 (1.650E-01)	5.190E+00 (1.090E+00)

2670 HANFORD SLOUGH (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-152 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU39-40 PCI/G	SR-90 PCI/G
07/21/1995		3.150E-01 (4.590E-02)	5.720E-01 (6.730E-02)	nra	3.310E-02 (4.530E-02)	7.810E-02 (3.820E-02)	7.630E-04 (6.430E-04)	7.290E-03 (2.340E-03)	5.900E-03 (3.310E-03)

2670 HANFORD SLOUGH (0 , 0)

OFF DATE	COM	U_235_LEPS PCI/G	U_238_LEPS PCI/G
07/21/1995		2.350E-01 (1.590E-01)	2.380E+00 (8.850E-01)

2673 HANFORD SPRING 28-2 (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-152 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU39-40 PCI/G	SR-90 PCI/G
09/05/1995		8.640E-02 (1.490E-02)	2.870E-01 (3.190E-02)	2.780E-01 (4.130E-02)	3.900E-02 (2.170E-02)	6.160E-02 (1.970E-02)	nra	nra	8.630E-03 (1.110E-02)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2673 HANFORD SPRING 28-2 (0 , 0)

	U_235_LEPS	U_238_LEPS
OFF DATE	COM	PCI/G
09/05/1995	2.340E-01	1.880E+00
	(1.410E-01)	(5.450E-01)

2661 MCNARY-1/3 OR. SHORE (0 , 0)

	CO-60	CS-137	EU-154	EU-155	PU-238	PU39-40	SR-90	U_235_LEPS	U_238_LEPS
OFF DATE	COM	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G
07/28/1995	9.100E-02	4.090E-01	< -1.520E-02	1.960E-02	5.860E-04	8.300E-03	2.270E-02	1.970E-01	2.330E+00
	(2.220E-02)	(5.480E-02)	(5.660E-02)	(4.610E-02)	(6.370E-04)	(2.530E-03)	(6.760E-03)	(1.290E-01)	(7.100E-01)

2662 MCNARY-2/3 OR. SHORE (0 , 0)

	CO-60	CS-137	EU-154	EU-155	PU-238	PU39-40	SR-90	U_235_LEPS	U_238_LEPS
OFF DATE	COM	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G
07/28/1995	6.690E-02	4.660E-01	8.750E-02	4.740E-02	6.340E-04	1.130E-02	2.710E-02	9.580E-02	1.500E+00
	(3.060E-02)	(6.070E-02)	(5.260E-02)	(4.950E-02)	(4.920E-04)	(2.590E-03)	(1.000E-02)	(1.390E-01)	(6.900E-01)

2660 MCNARY-OREGON SHORE (0 , 0)

	CO-60	CS-137	EU-154	EU-155	PU-238	PU39-40	SR-90	U_235_LEPS	U_238_LEPS
OFF DATE	COM	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G
07/28/1995	5.710E-02	4.410E-01	5.610E-02	6.790E-02	4.240E-04	1.110E-02	2.430E-02	2.010E-01	2.250E+00
	(2.190E-02)	(6.330E-02)	(5.400E-02)	(5.000E-02)	(5.040E-04)	(3.230E-03)	(7.210E-03)	(1.590E-01)	(9.300E-01)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2663 MCNARY-WASH. SHORE (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU39-40 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G	U_238_LEPS PCI/G
07/28/1995		1.680E-01 (3.240E-02)	1.020E+00 (1.100E-01)	9.160E-02 (4.860E-02)	4.940E-02 (4.140E-02)	9.130E-04 (4.760E-04)	1.430E-02 (2.610E-03)	3.920E-02 (1.340E-02)	1.680E-01 (1.470E-01)	1.710E+00 (4.790E-01)

2665 PRD-1/3 GRANT SHORE (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU39-40 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G	U_238_LEPS PCI/G
07/24/1995		1.040E-03 (1.110E-02)	1.950E-01 (3.040E-02)	< -1.340E-02 (3.310E-02)	3.240E-02 (2.690E-02)	6.720E-04 (4.180E-04)	3.500E-03 (1.030E-03)	5.270E-03 (3.710E-03)	5.300E-02 (1.370E-01)	7.110E-01 (4.660E-01)

2666 PRD-2/3 GRANT SHORE (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU39-40 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G	U_238_LEPS PCI/G
07/24/1995		1.000E-02 (1.260E-02)	5.050E-01 (6.100E-02)	2.720E-02 (4.250E-02)	4.900E-02 (3.760E-02)	4.990E-04 (4.170E-04)	7.700E-03 (1.900E-03)	9.110E-03 (4.260E-03)	1.970E-01 (1.570E-01)	1.820E+00 (6.570E-01)

2664 PRD-GRANT COUNTY (0 , 0)

OFF DATE	COM	CO-60 PCI/G	CS-137 PCI/G	EU-154 PCI/G	EU-155 PCI/G	PU-238 PCI/G	PU39-40 PCI/G	SR-90 PCI/G	U_235_LEPS PCI/G	U_238_LEPS PCI/G
07/24/1995		< -3.260E-03 (1.630E-02)	4.090E-01 (5.060E-02)	1.850E-02 (5.340E-02)	1.010E-01 (4.970E-02)	1.240E-03 (8.820E-04)	7.580E-03 (2.310E-03)	1.570E-02 (4.830E-03)	3.170E-01 (1.670E-01)	2.230E+00 (7.080E-01)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis

2667 FRD-YAKIMA CNTY SHOR (0 , 0)

OFF DATE	COM	CO-60	CS-137	EU-154	EU-155	PU-238	PU39-40	SR-90	U_235_LEPS	U_238_LEPS
		PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G
07/24/1995		< -1.590E-02	4.580E-01	< .000E+00	5.360E-02	6.480E-04	1.060E-02	1.560E-02	7.790E-02	1.040E+00
		(1.400E-02)	(5.700E-02)	(3.940E-02)	(3.550E-02)	(4.820E-04)	(2.230E-03)	(5.850E-03)	(1.830E-01)	(5.690E-01)

2671 RICHLAND-RIVER (0 , 0)

OFF DATE	COM	CO-60	CS-137	EU-152	EU-154	EU-155	PU-238	PU39-40	SR-90
		PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G
07/21/1995		6.500E-02	3.420E-01	nra	7.690E-02	6.550E-02	1.010E-04	2.310E-03	2.730E-03
		(2.230E-02)	(4.200E-02)		(3.760E-02)	(3.390E-02)	(2.180E-04)	(7.730E-04)	(2.710E-03)

2671 RICHLAND-RIVER (0 , 0)

OFF DATE	COM	U_235_LEPS	U_238_LEPS
		PCI/G	PCI/G
07/21/1995		< -1.120E-01	1.590E+00
		(1.360E-01)	(5.580E-01)

2668 WHITE BLUFFS SLOUGH (0 , 0)

OFF DATE	COM	CO-60	CS-137	EU-152	EU-154	EU-155	PU-238	PU39-40	SR-90
		PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G	PCI/G
07/21/1995		1.140E-01	6.930E-01	nra	8.280E-03	4.980E-02	2.430E-04	3.140E-03	5.170E-03
		(2.470E-02)	(7.720E-02)		(3.910E-02)	(3.710E-02)	(2.910E-04)	(1.130E-03)	(3.030E-03)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
which includes the 2 sigma counting error and analytical error
() - Total Propagated Analytical Uncertainty.
NR - No result reported.
nra - Not routinely analyzed or analyzed on a less frequent basis

2668 WHITE BLUFFS SLOUGH (0 , 0)

OFF DATE	COM	U_235_LEPS PCI/G	U_238_LEPS PCI/G
07/21/1995		1.550E-01 (1.190E-01)	1.660E+00 (4.880E-01)

< - Result less than the 2 sigma Total Propagated Analytical Uncertainty
 which includes the 2 sigma counting error and analytical error
 () - Total Propagated Analytical Uncertainty.
 NR - No result reported.
 nra - Not routinely analyzed or analyzed on a less frequent basis

Table S-1. Metals in Columbia River Sediment and Riverbank Springs, 1995

Location	Sample Date	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg
Columbia River Sediment														
PRD-Grant Co. Shore	07/24/95	11,638 {3,491}	ND	nra	88 {32}	0.32 {0.039}	9.1 {10.0}	5,603 {3,017}	22 {11}	7.8 {3.0}	30 {7.2}	18,319 {5,496}	37 {31}	6,034 {3,082}
PRD-1/3 Grant Co. Shore	07/24/95	7,143 {2,143}	4.6 {0.96}	nra	57 {20}	0.16 {0.019}	0.73 {0.81}	3,908 {2,116}	9.8 {5.0}	6.3 {2.5}	8.6 {2.1}	20,216 {6,065}	1.6 {1.4}	3,369 {1,725}
PRD-2/3 Grant Co. Shore	07/24/95	12,438 {3,731}	ND	nra	103 {37}	0.32 {0.038}	3.5 {3.9}	5,141 {2,769}	25 {13}	8.0 {3.1}	23 {5.6}	19,900 {5,970}	6.1 {5.2}	6,136 {3,134}
PRD-Yakima Co. Shore	07/24/95	12,766 {3,830}	ND	nra	95 {34}	0.35 {0.042}	5.0 {5.6}	5,029 {2,708}	21 {11}	7.7 {3.0}	27 {6.5}	21,277 {6,383}	62 {52}	5,416 {2,766}
McNary-OR. Shore	07/28/95	22,892 {6,867}	ND	nra	160 {58}	0.78 {0.094}	3.6 {4.0}	6,325 {3,404}	29 {15}	12 {4.7}	39 {9.4}	33,133 {9,940}	9.0 {7.6}	6,928 {3,524}
McNary-1/3 OR. Shore	07/28/95	21,448 {6,434}	ND	nra	150 {54}	0.67 {0.080}	2.9 {3.3}	5,898 {3,190}	26 {13}	11 {4.3}	32 {7.7}	29,491 {8,847}	9.4 {7.9}	6,166 {3,137}
McNary-2/3 OR. Shore	07/28/95	18,718 {5,615}	ND	nra	146 {53}	0.64 {0.077}	2.8 {3.1}	5,641 {3,051}	26 {13}	11 {4.2}	33 {8.0}	28,205 {8,462}	6.2 {5.2}	6,410 {3,282}
McNary-WA. Shore	07/28/95	15,428 {4,628}	ND	nra	112 {40}	0.48 {0.058}	2.6 {2.9}	5,576 {3,011}	24 {12}	9.3 {3.6}	19 {4.5}	24,164 {7,249}	5.4 {4.5}	5,948 {3,030}
White Bluffs Slough	07/21/95	7,752 {2,326}	ND	nra	58 {21}	0.19 {0.022}	2.5 {2.8}	4,264 {2,306}	19 {9.9}	6.2 {2.4}	25 {6.0}	14,341 {4,302}	39 {33}	4,070 {2,074}
100F Slough	07/21/95	6,065 {1,819}	3.1 {0.65}	nra	61 {22}	0.15 {0.018}	0.66 {0.73}	5,121 {2,763}	11 {5.6}	7.3 {2.8}	12 {2.9}	24,259 {7,278}	2.4 {2.0}	4,582 {2,332}
Hanford Slough	07/21/95	13,738 {4,121}	ND	nra	99 {36}	0.35 {0.042}	8.6 {9.6}	7,029 {3,802}	35 {18}	14 {5.6}	45 {11}	31,310 {9,393}	54 {46}	7,029 {3,578}
Richland-River	07/21/95	8,439 {2,532}	ND	nra	67 {24}	0.22 {0.027}	1.9 {2.1}	4,459 {2,404}	15 {7.7}	5.4 {2.1}	21 {5.0}	15,924 {4,777}	7.2 {6.0}	4,299 {2,197}

µg/kg dry weight

{ } - Total Propagated Analytical Uncertainty.
 ND - Compound was not detected.
 nra - Not routinely analyzed.

Table S-1. Metals in Columbia River Sediment and Riverbank Springs, 1995

Location	Sample Date	µg/kg dry weight									
		Mn	Ni	K	Se	Ag	Na	Ti	Sn	V	Zn
Columbia River Sediment											
PRD-Grant Co. Shore	07/24/95	280 {118}	20 {5.3}	1,881 {455}	nra	ND	388 {81}	nra	ND	43 {23}	603 {181}
PRD-1/3 Grant Co. Shore	07/24/95	202 {85}	8.6 {2.3}	930 {251}	nra	ND	296 {62}	nra	4.7 {2.5}	65 {35}	148 {44}
PRD-2/3 Grant Co. Shore	07/24/95	348 {146}	23 {6.3}	1,509 {408}	nra	ND	415 {87}	nra	4.8 {2.6}	46 {25}	398 {119}
PRD-Yakima Co. Shore	07/24/95	309 {130}	19 {5.2}	1,586 {427}	nra	ND	445 {93}	nra	5.4 {2.9}	50 {27}	445 {133}
McNary-OR. Shore	07/28/95	572 {240}	22 {5.9}	2,831 {765}	nra	ND	422 {89}	nra	8.4 {4.5}	63 {34}	277 {83}
McNary-1/3 OR. Shore	07/28/95	617 {259}	20 {5.4}	2,654 {716}	nra	ND	456 {96}	nra	6.7 {3.6}	56 {30}	268 {80}
McNary-2/3 OR. Shore	07/28/95	718 {303}	21 {5.7}	2,333 {631}	nra	1.5 {0.27}	410 {86}	nra	ND	54 {29}	282 {85}
McNary-WA. Shore	07/28/95	465 {195}	17 {4.7}	2,230 {602}	nra	ND	465 {98}	nra	ND	54 {29}	260 {78}
White Bluffs Slough	07/21/95	147 {62}	15 {4.1}	1,105 {288}	nra	ND	329 {69}	nra	6.2 {3.4}	33 {18}	407 {122}
100F Slough	07/21/95	310 {130}	9.4 {2.5}	782 {212}	nra	ND	445 {93}	nra	7.5 {4.1}	71 {39}	135 {40}
Hanford Slough	07/21/95	319 {134}	27 {7.3}	1,885 {508}	nra	ND	511 {107}	nra	8.3 {4.5}	77 {42}	1,086 {326}
Richland-River	07/21/95	159 {67}	11 {3.1}	1,290 {349}	nra	ND	303 {64}	nra	3.8 {2.1}	40 {21}	303 {91}

{ } - Total Propagated Analytical Uncertainty.

ND - Compound was not detected.

nra - Not routinely analyzed.

Table S-1. Metals in Columbia River Sediment and Riverbank Springs, 1995

Location	Sample Date	µg/kg dry weight												
		Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg
Riverbank Springs														
100-B Spring	08/28/95	7,108 {2,132}	4.7 {0.98}	nra	55 {20}	0.21 {0.025}	1.1 {1.2}	3,716 {2,003}	69 {35}	4.5 {1.8}	11 {2.6}	14,863 {4,459}	nra	3,393 {1,729}
100-K Spring	09/05/95	7,914 {2,374}	3.3 {0.69}	nra	60 {22}	0.23 {0.028}	0.94 {1.0}	5,899 {3,180}	104 {53}	5.5 {2.1}	19 {4.5}	17,266 {5,180}	nra	3,885 {1,986}
100-F Spring	09/12/95	11,252 {3,376}	ND	5.3 {0.00}	82 {29}	0.34 {0.041}	1.1 {1.2}	5,989 {3,230}	36 {19}	6.2 {2.4}	22 {5.2}	21,779 {6,534}	24 {0.020}	5,445 {2,777}
Hanford Spring	09/05/95	8,514 {2,554}	5.4 {1.1}	nra	133 {48}	0.36 {0.043}	1.0 {1.2}	8,050 {4,350}	11 {5.6}	15 {5.7}	28 {6.7}	43,344 {13,003}	nra	6,192 {3,158}
300 Area Spring	09/05/95	6,789 {2,037}	3.1 {0.65}	nra	61 {22}	0.21 {0.025}	0.42 {0.47}	3,536 {1,909}	16 {7.9}	4.4 {1.7}	10 {2.4}	16,973 {5,092}	nra	3,678 {1,881}

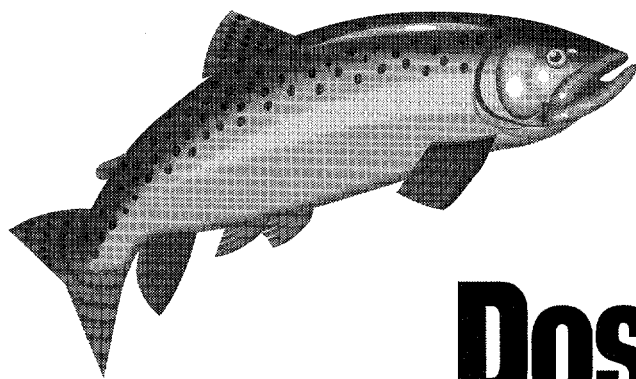
Sediment.3

{ } - Total Propagated Analytical Uncertainty.
 ND - Compound was not detected.
 nra - Not routinely analyzed.

Table S-1. Metals in Columbia River Sediment and Riverbank Springs, 1995

Sample Date	Location	Mn	Ni	K	Se	Ag	Na	Tl	Sn	V	Zn
		µg/kg dry weight									
	Riverbank Springs										
08/28/95	100-B Spring	178 {75}	11 {3.1}	889 {241}	nra	ND	275 {58}	nra	4.4 {2.4}	44 {24}	141 {42}
09/05/95	100-K Spring	259 {109}	14 {3.9}	892 {240}	nra	ND	317 {66}	nra	5.3 {2.9}	50 {27}	158 {47}
09/12/95	100-F Spring	254 {107}	18 {4.9}	1,525 {412}	ND	ND	417 {88}	1.2 {0.00032}	ND	58 {31}	218 {65}
09/05/95	Hanford Spring	851 {358}	15 {4.2}	774 {209}	nra	ND	743 {156}	nra	12 {6.3}	115 {62}	170 {51}
09/05/95	300 Area Spring	198 {83}	12 {3.1}	891 {240}	nra	ND	226 {48}	nra	ND	48 {26}	83 {25}

{ } - Total Propagated Analytical Uncertainty.
 ND - Compound was not detected.
 nra - Not routinely analyzed.



Dose Calculation Information

Table D-1. Distribution of Population in 80-km Radius of the 100-N Area by Grid Sector^(a)

Direction	Number of People						Totals
	0-8 km	8-16 km	16-32 km	32-48 km	48-64 km	64-80 km	
N	0	92	548	559	1497	8376	11072
NNE	0	35	563	691	20440	1784	23513
NE	0	7	829	1761	2111	451	5159
ENE	0	0	799	6161	1292	306	8558
E	0	0	573	1099	1409	677	3758
ESE	0	0	477	1596	892	571	3536
SE	0	0	47	2485	37108	10229	49869
SSE	0	0	0	22090	50126	5662	77878
S	0	0	269	4419	1613	166	6467
SSW	0	0	177	1602	14573	525	16877
SW	0	0	582	5382	18241	780	24985
WSW	0	0	672	1885	7608	18468	28633
W	0	76	622	1257	4249	91485	97689
WNW	0	123	536	637	876	4928	7100
NW	0	135	548	802	600	681	2766
NNW	0	130	548	683	979	5049	7389
Totals	0	598	7790	53109	163614	150138	375249

(a) Based on 1990 census data (Beck, et al. 1991, Hanford Area 1990 Population and 50-Year Projections (PNL-7803, Pacific Northwest Laboratory, Richland, Washington).

Table D-2. Distribution of Population in 80-km Radius of the 200 Areas by Grid Sector^(a)

Direction	Number of People						Totals
	0-8 km	8-16 km	16-32 km	32-48 km	48-64 km	64-80 km	
N	0	0	434	822	969	2418	4643
NNE	0	0	268	1030	5220	17567	24085
NE	0	0	393	6176	2658	1145	10372
ENE	0	0	423	1217	1652	664	3956
E	0	0	452	1373	1416	751	3992
ESE	0	0	289	1674	270	767	3000
SE	0	0	1141	35519	73156	4918	114734
SSE	0	0	2796	8309	2394	5891	19390
S	0	0	2842	1622	237	1144	5845
SSW	0	0	713	11983	503	738	13937
SW	0	0	1308	19589	1132	637	22666
WSW	0	0	1956	5406	16336	7525	31223
W	0	0	771	1295	6269	94203	102538
WNW	0	0	641	1087	1189	2375	5292
NW	0	0	548	738	784	809	2879
NNW	0	0	544	909	876	4979	7308
Totals	0	0	15519	98749	115061	146531	375860

(a) Based on 1990 census data (Beck, et al. 1991, Hanford Area 1990 Population and 50-Year Projections (PNL-7803, Pacific Northwest Laboratory, Richland, Washington).

Table D-3. Distribution of Population in 80-km Radius of the 300 Area by Grid Sector^(a)

Direction	Number of People											Totals
	0-1.6 km	1.6-3.2 km	3.2-4.8 km	4.8-6.4 km	6.4-8 km	8-16 km	16-32 km	32-48 km	48-64 km	64-80 km		
N	0	0	0	0	2	85	602	4203	2894	9998		17790
NNE	0	3	16	25	33	277	678	2242	2411	1218		6903
NE	1	11	18	25	33	277	827	1094	590	306		3182
ENE	2	11	18	25	33	277	754	741	480	535		2876
E	3	11	18	25	33	276	170	255	761	1001		2553
ESE	2	11	18	25	33	264	117	454	878	10548		12350
SE	2	11	18	25	33	277	15318	3337	1322	3257		23600
SSE	0	7	18	25	121	616	57047	4098	3779	4785		70496
S	0	0	3	198	2231	17726	12449	123	13473	10913		57116
SSW	0	0	0	0	297	3518	3788	288	651	1859		10401
SW	0	0	0	0	59	2364	2916	1619	311	763		8032
WSW	0	0	0	0	0	967	3238	5812	13516	713		24246
W	0	0	0	0	0	0	730	1669	16968	12843		32210
WNW	0	0	0	0	0	0	0	417	1703	2120		4240
NW	0	0	0	0	0	0	0	181	1279	1428		2888
NNW	0	0	0	0	0	0	0	273	1277	1153		2703
Totals	10	65	127	375	2912	26924	98634	26806	62293	63440		281586

(a) Based on 1990 census data (Beck, et al. 1991, Hanford Area 1990 Population and 50-Year Projections (PNL-7803, Pacific Northwest Laboratory, Richland, Washington).

Table D-4. Distribution of Population in 80-km Radius of the 400 Area by Grid Sector^(a)

Direction	Number of People						Totals
	0-8 km	8-16 km	16-32 km	32-48 km	48-64 km	64-80 km	
N	0	0	189	1234	1413	15906	18742
NNE	0	56	655	6078	2503	1803	11095
NE	0	177	680	1192	1083	321	3453
ENE	0	266	995	1148	841	399	3649
E	3	277	727	227	560	1006	2800
ESE	0	268	511	260	789	1210	3038
SE	0	1082	27517	18278	1627	2690	51194
SSE	0	6360	48564	11354	3280	9199	78757
S	0	2350	5382	1037	6254	11030	26053
SSW	0	1836	2822	504	263	1557	6982
SW	0	118	2632	6356	427	830	10363
WSW	0	0	1659	8677	17820	723	28879
W	0	0	175	3473	6265	16502	26415
WNW	0	0	0	930	1732	3125	5787
NW	0	0	0	636	1205	1235	3076
NNW	0	0	0	562	1214	1169	2945
Totals	3	12790	92508	61946	47276	68705	283228

(a) Based on 1990 census data (Beck, et al. 1991, Hanford Area 1990 Population and 50-Year Projections (PNL-7803, Pacific Northwest Laboratory, Richland, Washington).

Table D-5. Annual Average Dispersion Factor ($\bar{X}/Q$) Around the 100 Area during 1995 for a 10-Meter Release Height^(a)

Direction	$\bar{X}/Q$									
	0.8 km	2.4 km	4 km	5.6 km	7.2 km	12 km	24 km	40 km	56 km	72 km
N	2.29E-06	4.48E-07	2.10E-07	1.29E-07	9.00E-08	4.38E-08	1.68E-08	8.40E-09	5.36E-09	3.83E-09
NNE	2.44E-06	4.71E-07	2.21E-07	1.36E-07	9.46E-08	4.61E-08	1.77E-08	8.88E-09	5.67E-09	4.06E-09
NE	3.44E-06	6.81E-07	3.21E-07	1.98E-07	1.38E-07	6.75E-08	2.61E-08	1.31E-08	8.39E-09	6.02E-09
ENE	5.56E-06	1.11E-06	5.27E-07	3.24E-07	2.27E-07	1.11E-07	4.29E-08	2.16E-08	1.38E-08	9.91E-09
E	6.59E-06	1.36E-06	6.45E-07	3.98E-07	2.79E-07	1.37E-07	5.30E-08	2.67E-08	1.71E-08	1.23E-08
ESE	5.82E-06	1.18E-06	5.61E-07	3.46E-07	2.42E-07	1.19E-07	4.62E-08	2.33E-08	1.49E-08	1.07E-08
SE	4.06E-06	8.30E-07	3.95E-07	2.44E-07	1.71E-07	8.41E-08	3.28E-08	1.66E-08	1.07E-08	7.70E-09
SSE	3.10E-06	6.20E-07	2.94E-07	1.81E-07	1.27E-07	6.22E-08	2.42E-08	1.22E-08	7.87E-09	5.66E-09
S	2.79E-06	5.73E-07	2.73E-07	1.69E-07	1.19E-07	5.85E-08	2.29E-08	1.17E-08	7.52E-09	5.43E-09
SSW	2.73E-06	5.54E-07	2.63E-07	1.63E-07	1.14E-07	5.64E-08	2.21E-08	1.12E-08	7.25E-09	5.23E-09
SW	2.98E-06	6.25E-07	2.99E-07	1.85E-07	1.30E-07	6.42E-08	2.51E-08	1.27E-08	8.20E-09	5.91E-09
WSW	4.23E-06	8.87E-07	4.23E-07	2.62E-07	1.84E-07	9.05E-08	3.53E-08	1.79E-08	1.15E-08	8.27E-09
W	4.90E-06	1.01E-06	4.79E-07	2.96E-07	2.08E-07	1.02E-07	3.97E-08	2.01E-08	1.29E-08	9.27E-09
WNW	4.43E-06	8.85E-07	4.18E-07	2.57E-07	1.79E-07	8.75E-08	3.38E-08	1.69E-08	1.08E-08	7.77E-09
NW	3.87E-06	7.72E-07	3.65E-07	2.24E-07	1.57E-07	7.68E-08	2.97E-08	1.49E-08	9.55E-09	6.85E-09
NNW	2.55E-06	5.05E-07	2.38E-07	1.46E-07	1.02E-07	4.97E-08	1.92E-08	9.61E-09	6.14E-09	4.40E-09

Dose.4

(a) Calculated from meteorological data collected at the 100-N Area Hanford Meteorology Tower.

Table D-6. Annual Average Dispersion Factor ($\bar{X}/Q$) Around the 200 Area during 1995 for a 89-Meter Release Height^(a)

Direction	$\bar{X}/Q$									
	0.8 km	2.4 km	4 km	5.6 km	7.2 km	12 km	24 km	40 km	56 km	72 km
N	2.08E-08	1.95E-08	1.85E-08	1.58E-08	1.34E-08	8.83E-09	4.55E-09	2.69E-09	1.88E-09	1.43E-09
NNE	3.40E-08	2.38E-08	2.07E-08	1.70E-08	1.42E-08	9.23E-09	4.71E-09	2.77E-09	1.94E-09	1.48E-09
NE	3.84E-08	2.90E-08	2.57E-08	2.15E-08	1.82E-08	1.21E-08	6.29E-09	3.74E-09	2.63E-09	2.01E-09
ENE	5.21E-08	4.08E-08	3.73E-08	3.16E-08	2.68E-08	1.79E-08	9.48E-09	5.70E-09	4.04E-09	3.10E-09
E	5.07E-08	4.17E-08	3.84E-08	3.28E-08	2.82E-08	1.91E-08	1.02E-08	6.16E-09	4.35E-09	3.33E-09
ESE	6.04E-08	6.56E-08	5.80E-08	4.78E-08	3.99E-08	2.58E-08	1.31E-08	7.63E-09	5.29E-09	4.01E-09
SE	1.07E-07	9.82E-08	8.29E-08	6.68E-08	5.49E-08	3.47E-08	1.72E-08	9.89E-09	6.82E-09	5.15E-09
SSE	1.04E-07	6.35E-08	4.96E-08	3.85E-08	3.10E-08	1.88E-08	8.88E-09	4.95E-09	3.35E-09	2.49E-09
S	8.88E-08	6.14E-08	4.61E-08	3.46E-08	2.71E-08	1.56E-08	6.93E-09	3.73E-09	2.48E-09	1.82E-09
SSW	6.18E-08	4.42E-08	3.27E-08	2.43E-08	1.89E-08	1.08E-08	4.77E-09	2.58E-09	1.71E-09	1.26E-09
SW	4.10E-08	4.84E-08	3.66E-08	2.73E-08	2.12E-08	1.21E-08	5.35E-09	2.89E-09	1.92E-09	1.42E-09
WSW	3.79E-08	3.07E-08	2.29E-08	1.74E-08	1.38E-08	8.25E-09	3.92E-09	2.22E-09	1.52E-09	1.14E-09
W	2.73E-08	2.97E-08	2.43E-08	1.90E-08	1.52E-08	9.12E-09	4.21E-09	2.32E-09	1.55E-09	1.15E-09
WNW	2.34E-08	2.73E-08	2.23E-08	1.73E-08	1.38E-08	8.18E-09	3.71E-09	2.02E-09	1.34E-09	9.85E-10
NW	3.83E-08	3.29E-08	2.76E-08	2.21E-08	1.81E-08	1.13E-08	5.51E-09	3.15E-09	2.16E-09	1.62E-09
NNW	2.42E-08	2.69E-08	2.51E-08	2.10E-08	1.76E-08	1.14E-08	5.70E-09	3.30E-09	2.28E-09	1.72E-09

Table D-7. Annual Average Dispersion Factor ($\bar{X}/Q$) Around the 300 Area during 1995 for a 10-Meter Release Height^(a)

Direction	$\bar{X}/Q$									
	0.8 km	2.4 km	4 km	5.6 km	7.2 km	12 km	24 km	40 km	56 km	72 km
N	3.69E-06	7.53E-07	3.58E-07	2.21E-07	1.55E-07	7.65E-08	2.99E-08	1.51E-08	9.71E-09	6.99E-09
NNE	3.34E-06	6.55E-07	3.08E-07	1.90E-07	1.33E-07	6.47E-08	2.50E-08	1.26E-08	8.05E-09	5.78E-09
NE	2.85E-06	5.38E-07	2.51E-07	1.54E-07	1.07E-07	5.21E-08	2.00E-08	9.98E-09	6.36E-09	4.56E-09
ENE	2.04E-06	4.03E-07	1.90E-07	1.17E-07	8.20E-08	4.01E-08	1.55E-08	7.80E-09	4.99E-09	3.58E-09
E	2.16E-06	4.33E-07	2.05E-07	1.26E-07	8.85E-08	4.34E-08	1.68E-08	8.48E-09	5.44E-09	3.91E-09
ESE	2.41E-06	4.92E-07	2.34E-07	1.45E-07	1.02E-07	5.00E-08	1.95E-08	9.83E-09	6.31E-09	4.53E-09
SE	3.39E-06	7.12E-07	3.40E-07	2.10E-07	1.47E-07	7.25E-08	2.82E-08	1.42E-08	9.13E-09	6.56E-09
SSE	4.59E-06	9.43E-07	4.48E-07	2.76E-07	1.93E-07	9.46E-08	3.66E-08	1.84E-08	1.18E-08	8.46E-09
S	4.02E-06	8.33E-07	3.96E-07	2.45E-07	1.71E-07	8.42E-08	3.27E-08	1.65E-08	1.05E-08	7.58E-09
SSW	1.62E-06	3.15E-07	1.48E-07	9.08E-08	6.34E-08	3.10E-08	1.20E-08	6.03E-09	3.87E-09	2.78E-09
SW	9.37E-07	1.73E-07	8.07E-08	4.93E-08	3.43E-08	1.67E-08	6.47E-09	3.26E-09	2.10E-09	1.51E-09
WSW	8.11E-07	1.49E-07	6.88E-08	4.18E-08	2.90E-08	1.40E-08	5.35E-09	2.68E-09	1.71E-09	1.23E-09
W	1.24E-06	2.38E-07	1.11E-07	6.78E-08	4.72E-08	2.29E-08	8.82E-09	4.43E-09	2.84E-09	2.04E-09
WNW	3.37E-06	6.72E-07	3.18E-07	1.96E-07	1.37E-07	6.69E-08	2.59E-08	1.31E-08	8.37E-09	6.01E-09
NW	5.40E-06	1.13E-06	5.40E-07	3.35E-07	2.35E-07	1.16E-07	4.53E-08	2.29E-08	1.47E-08	1.06E-08
NNW	3.82E-06	7.82E-07	3.72E-07	2.30E-07	1.61E-07	7.91E-08	3.08E-08	1.56E-08	9.99E-09	7.18E-09

Dose.6

(a) Calculated from meteorological data collected at the 300 Area and the Hanford Meteorology Tower.

Table D-8. Annual Average Dispersion Factor ($\bar{X}/Q$) Around the 300 Area during 1995 for a 61-Meter Release Height^(a)

Direction	$\bar{X}/Q$									
	0.8 km	2.4 km	4 km	5.6 km	7.2 km	12 km	24 km	40 km	56 km	72 km
N	1.09E-07	1.12E-07	8.58E-08	6.64E-08	5.33E-08	3.26E-08	1.56E-08	8.74E-09	5.93E-09	4.41E-09
NNE	1.26E-07	1.24E-07	8.81E-08	6.55E-08	5.13E-08	3.00E-08	1.37E-08	7.55E-09	5.05E-09	3.74E-09
NE	1.23E-07	1.18E-07	8.18E-08	5.97E-08	4.61E-08	2.62E-08	1.16E-08	6.21E-09	4.11E-09	3.01E-09
ENE	8.32E-08	7.71E-08	5.36E-08	3.94E-08	3.06E-08	1.77E-08	8.01E-09	4.38E-09	2.93E-09	2.16E-09
E	6.92E-08	7.44E-08	5.38E-08	4.03E-08	3.17E-08	1.87E-08	8.64E-09	4.78E-09	3.21E-09	2.38E-09
ESE	4.94E-08	7.38E-08	5.62E-08	4.31E-08	3.44E-08	2.08E-08	9.80E-09	5.47E-09	3.70E-09	2.75E-09
SE	9.58E-08	1.14E-07	8.22E-08	6.20E-08	4.92E-08	2.97E-08	1.42E-08	7.99E-09	5.44E-09	4.06E-09
SSE	1.50E-07	1.64E-07	1.15E-07	8.58E-08	6.73E-08	3.97E-08	1.85E-08	1.03E-08	6.92E-09	5.14E-09
S	1.61E-07	1.57E-07	1.08E-07	7.86E-08	6.10E-08	3.55E-08	1.64E-08	9.05E-09	6.10E-09	4.52E-09
SSW	1.28E-07	7.71E-08	4.87E-08	3.43E-08	2.61E-08	1.47E-08	6.58E-09	3.59E-09	2.41E-09	1.78E-09
SW	8.65E-08	4.74E-08	3.04E-08	2.16E-08	1.65E-08	9.29E-09	4.12E-09	2.23E-09	1.49E-09	1.10E-09
WSW	8.52E-08	4.69E-08	2.86E-08	1.97E-08	1.48E-08	8.08E-09	3.48E-09	1.86E-09	1.23E-09	9.02E-10
W	1.03E-07	6.55E-08	4.17E-08	2.95E-08	2.24E-08	1.26E-08	5.58E-09	3.03E-09	2.02E-09	1.49E-09
WNW	1.64E-07	1.45E-07	1.02E-07	7.58E-08	5.95E-08	3.51E-08	1.63E-08	9.06E-09	6.11E-09	4.53E-09
NW	2.01E-07	1.80E-07	1.32E-07	1.01E-07	8.15E-08	5.02E-08	2.45E-08	1.40E-08	9.58E-09	7.19E-09
NNW	1.25E-07	1.32E-07	9.84E-08	7.55E-08	6.04E-08	3.68E-08	1.76E-08	9.92E-09	6.74E-09	5.03E-09

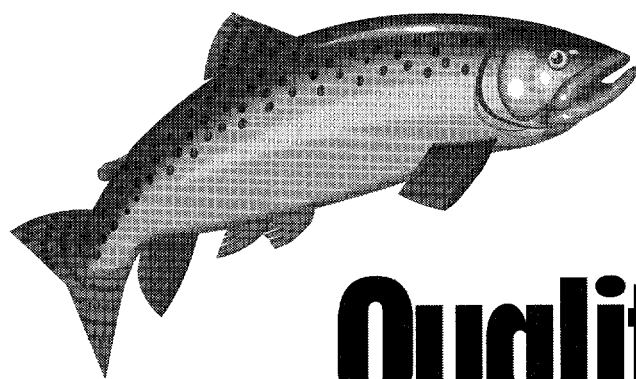
^(a)Calculated from meteorological data collected at the 300 Area and the Hanford Meteorology Tower.

Table D-9. Annual Average Dispersion Factor ($\bar{X}Q'$) Around the 400 Area during 1995 for a 10-Meter Release Height^(a)

Direction	$\bar{X}Q'$									
	0.8 km	2.4 km	4 km	5.6 km	7.2 km	12 km	24 km	40 km	56 km	72 km
N	3.66E-06	7.45E-07	3.54E-07	2.18E-07	1.53E-07	7.52E-08	2.93E-08	1.48E-08	9.50E-09	6.83E-09
NNE	3.86E-06	7.57E-07	3.57E-07	2.20E-07	1.53E-07	7.50E-08	2.90E-08	1.46E-08	9.36E-09	6.72E-09
NE	2.39E-06	4.72E-07	2.23E-07	1.37E-07	9.60E-08	4.70E-08	1.82E-08	9.19E-09	5.90E-09	4.24E-09
ENE	2.00E-06	4.05E-07	1.92E-07	1.18E-07	8.30E-08	4.08E-08	1.59E-08	8.02E-09	5.15E-09	3.70E-09
E	1.88E-06	3.76E-07	1.78E-07	1.09E-07	7.64E-08	3.73E-08	1.44E-08	7.24E-09	4.63E-09	3.32E-09
ESE	2.61E-06	5.23E-07	2.47E-07	1.52E-07	1.07E-07	5.21E-08	2.02E-08	1.01E-08	6.49E-09	4.66E-09
SE	4.38E-06	8.76E-07	4.13E-07	2.54E-07	1.78E-07	8.66E-08	3.34E-08	1.67E-08	1.07E-08	7.65E-09
SSE	3.80E-06	7.74E-07	3.67E-07	2.26E-07	1.58E-07	7.77E-08	3.02E-08	1.52E-08	9.75E-09	7.01E-09
S	3.13E-06	6.52E-07	3.11E-07	1.92E-07	1.35E-07	6.65E-08	2.60E-08	1.31E-08	8.44E-09	6.08E-09
SSW	2.50E-06	4.99E-07	2.36E-07	1.45E-07	1.02E-07	4.98E-08	1.93E-08	9.76E-09	6.26E-09	4.51E-09
SW	1.67E-06	3.30E-07	1.55E-07	9.53E-08	6.66E-08	3.25E-08	1.26E-08	6.36E-09	4.08E-09	2.94E-09
WSW	1.03E-06	1.93E-07	9.02E-08	5.51E-08	3.84E-08	1.86E-08	7.16E-09	3.59E-09	2.30E-09	1.65E-09
W	1.19E-06	2.25E-07	1.05E-07	6.39E-08	4.45E-08	2.15E-08	8.26E-09	4.14E-09	2.64E-09	1.89E-09
WNW	1.29E-06	2.45E-07	1.14E-07	7.00E-08	4.88E-08	2.38E-08	9.20E-09	4.65E-09	2.98E-09	2.15E-09
NW	2.50E-06	4.87E-07	2.29E-07	1.40E-07	9.78E-08	4.76E-08	1.83E-08	9.20E-09	5.88E-09	4.22E-09
NNW	3.31E-06	6.78E-07	3.22E-07	1.99E-07	1.40E-07	6.86E-08	2.67E-08	1.35E-08	8.67E-09	6.24E-09

Dose.8

(a) Calculated from meteorological data collected at the 400 Area and the Hanford Meteorology Tower.



Quality Assurance

Table Q-1. Quanterra Environmental Services (QES) Performance on Surface Environmental Surveillance Project Blind Samples, 1995

Matrix	Radionuclide	True Value	Reported Value	% Bias
Air Filter	Be-7	2.21E-13 pCi/filter	<6.7887 pCi/filter	
	Be-7	8.63E-12 pCi/filter	-1.30E+00 pCi/filter	
	Be-7	3.84E-03 pCi/filter	4.06E+00 pCi/filter	<100
	Ce-144	1.74E+02 pCi/filter	1.63E+02 pCi/filter	-6.12
	Co-57	1.93E+01 pCi/filter	1.32E+01 pCi/filter	-31.67
	Co-60	1.56E+02 pCi/filter	1.44E+02 pCi/filter	-8.09
	Co-60	1.10E+02 pCi/filter	9.49E+01 pCi/filter	-13.60
	Co-60	1.12E+02 pCi/filter	9.92E+01 pCi/filter	-11.34
	Cs-134	3.42E+01 pCi/filter	3.09E+01 pCi/filter	-9.83
	Cs-134	5.04E+01 pCi/filter	4.28E+01 pCi/filter	-15.05
	Cs-137	3.92E+02 pCi/filter	3.98E+02 pCi/filter	1.51
	Cs-137	1.79E+02 pCi/filter	1.69E+02 pCi/filter	-5.41
	Cs-137	1.47E+02 pCi/filter	1.36E+02 pCi/filter	-7.35
	Mn-54	2.00E+01 pCi/filter	1.74E+01 pCi/filter	-12.76
	Pu-238	7.15E+00 pCi/filter	6.84E+00 pCi/filter	-4.35
	Pu-239	5.68E+00 pCi/filter	4.71E+00 pCi/filter	-17.04
	Pu-239	2.52E+00 pCi/filter	2.57E+00 pCi/filter	2.15
	Pu-239	7.70E+00 pCi/filter	7.05E+00 pCi/filter	-8.48
	Sr-90	7.88E+00 pCi/filter	6.34E+00 pCi/filter	-19.48
	Sr-90	4.13E+00 pCi/filter	3.62E+00 pCi/filter	-12.37
	Sr-90	5.26E+00 pCi/filter	5.86E+00 pCi/filter	11.43
Soil	Cs-137	4.00E-01 pCi/g	3.45E-01 pCi/g	-13.75
	Cs-137	3.39E-01 pCi/g	2.88E-01 pCi/g	-15.11
	Cs-137	1.32E-01 pCi/g	1.39E-01 pCi/g	5.15
	K-40	1.05E+00 pCi/g	7.79E-01 pCi/g	-25.81
	K-40	1.94E+01 pCi/g	2.05E+01 pCi/g	5.48
	K-40	6.00E-01 pCi/g	7.55E-01 pCi/g	25.83
	Pu-238	1.32E-03 pCi/g	5.71E-04 pCi/g	-56.76
	Pu-239	1.88E+00 pCi/g	1.23E+00 pCi/g	-34.56
	Pu-239	4.10E-02 pCi/g	2.13E-02 pCi/g	-48.04
	Pu-239	6.89E-01 pCi/g	6.23E-01 pCi/g	-9.61
	Sr-90	1.52E-01 pCi/g	1.09E-01 pCi/g	-28.19
	Sr-90	1.23E-01 pCi/g	1.09E-01 pCi/g	-11.18
	Sr-90	1.13E-01 pCi/g	1.30E-01 pCi/g	14.71
	U-234	6.70E-01 pCi/g	7.76E-02 pCi/g	-88.42
	U-234	8.03E-01 pCi/g	2.50E-01 pCi/g	-68.86
	U-238	6.90E-01 pCi/g	5.78E-02 pCi/g	-91.62
	U-238	8.00E-01 pCi/g	2.58E-01 pCi/g	-67.75
Animal	Cs-137	3.50E-02 pCi/g	2.55E-02 pCi/g	-27.14
	K-40	6.08E-01 pCi/g	1.44E-01 pCi/g	-76.32
	Sr-90	2.37E+00 pCi/g	2.11E+00 pCi/g	-10.88
	U-234	1.00E-02 pCi/g	1.19E-02 pCi/g	19.00
	U-238	1.00E-02 pCi/g	8.57E-03 pCi/g	-14.30
Vegetation	Co-60	7.53E-01 pCi/g	6.77E-01 pCi/g	-10.13
	Cs-137	1.21E+01 pCi/g	1.15E+01 pCi/g	-4.82
	Cs-137	3.92E+00 pCi/g	3.35E+00 pCi/g	-14.51
	Cs-137	6.22E-01 pCi/g	7.19E-01 pCi/g	15.63
	K-40	3.17E+01 pCi/g	3.23E+01 pCi/g	1.89
	K-40	3.60E+01 pCi/g	3.77E+01 pCi/g	4.72
	K-40	7.95E+00 pCi/g	7.24E+00 pCi/g	-8.89

Table Q-1. Quanterra Environmental Services (QES) Performance on Surface Environmental Surveillance Project Blind Samples, 1995

Matrix	Radionuclide	True Value	Reported Value	% Bias
	Pu-238	2.06E-01 pCi/g	2.08E-01 pCi/g	0.97
	Pu-238	2.85E-02 pCi/g	3.34E-02 pCi/g	17.08
	Pu-239	1.17E-01 pCi/g	6.90E-02 pCi/g	-41.01
	Pu-239	4.50E-02 pCi/g	6.19E-02 pCi/g	37.58
	Pu-239	8.41E-03 pCi/g	7.66E-03 pCi/g	-8.87
	Sr-90	1.70E+01 pCi/g	9.83E+00 pCi/g	-42.16
	Sr-90	9.16E+00 pCi/g	1.07E+01 pCi/g	16.79
	Sr-90	9.47E+00 pCi/g	7.38E+00 pCi/g	-22.06
Water	Co-60	4.27E+02 pCi/L	4.56E+02 pCi/L	6.78
	Co-60	1.73E+03 pCi/L	1.94E+03 pCi/L	12.10
	Ce-144	3.80E+02 pCi/L	4.06E+02 pCi/L	6.78
	Co-60	2.73E+03 pCi/L	2.48E+03 pCi/L	-9.16
	Cs-134	3.63E+02 pCi/L	2.73E+02 pCi/L	-24.88
	Cs-134	2.02E+03 pCi/L	1.91E+03 pCi/L	-5.45
	Cs-134	7.27E+02 pCi/L	8.24E+02 pCi/L	13.28
	Cs-137	2.22E+03 pCi/L	2.40E+03 pCi/L	8.02
	Cs-137	4.73E+03 pCi/L	4.76E+03 pCi/L	0.73
	Cs-137	2.14E+03 pCi/L	2.44E+03 pCi/L	14.10
	H-3	4.50E+03 pCi/L	4.08E+03 pCi/L	-9.33
	H-3	3.90E+04 pCi/L	3.69E+04 pCi/L	-5.48
	H-3	5.21E+03 pCi/L	5.61E+03 pCi/L	7.78
	Mn-54	1.44E+02 pCi/L	1.93E+02 pCi/L	34.08
	Pu-238	1.19E+01 pCi/L	1.35E+01 pCi/L	13.58
	Pu-239	5.90E+00 pCi/L	6.33E+00 pCi/L	7.31
	Pu-239	2.81E+01 pCi/L	3.82E+01 pCi/L	35.91
	Pu-239	1.57E+01 pCi/L	1.61E+01 pCi/L	2.70
	Sr-90	4.76E+02 pCi/L	4.83E+02 pCi/L	1.56
	Sr-90	2.63E+03 pCi/L	2.25E+03 pCi/L	-14.48
	Sr-90	5.36E+01 pCi/L	4.94E+01 pCi/L	-7.91
	U-234	4.50E+00 pCi/L	4.23E+00 pCi/L	-6.00
	U-234	2.70E+01 pCi/L	2.70E+01 pCi/L	-0.11
	U-234	1.12E+01 pCi/L	1.21E+01 pCi/L	7.87
	U-238	4.40E+00 pCi/L	3.77E+00 pCi/L	-14.32
	U-238	2.70E+01 pCi/L	2.68E+01 pCi/L	-0.85
	U-238	1.14E+01 pCi/L	1.20E+01 pCi/L	4.95

**Table Q-2. Quanterra Environmental Services (QES) Performance Data
on EPA Intercomparison Program Samples, 1995**

<u>Concentrations (a), pCi/Filter or pCi/L</u>					Out of Control Limits
<u>Matrix</u>	<u>Radionuclide</u>	<u>QES Average Concentration</u>	<u>EPA Known Concentration</u>	<u>%Bias</u>	
Air Filter	Cs-137	30.67 ± 0.58	25 ± 5	22.68	
	Gross Alpha	26.10 ± 1.80	25 ± 6.3	4.40	
	Gross Beta	70.90 ± 0.46	86.6 ± 10	-18.13	
	Sr-90	27.67 ± 1.53	30 ± 5	-7.77	
Milk	Cs-137	42.00 ± 9.85	50 ± 5	-16.00	*
	I-131	80.67 ± 22.59	99 ± 10	-18.52	
	Sr-89	15.33 ± 0.58	20 ± 5	-23.35	
	Sr-90	10.67 ± 0.58	15 ± 5	-28.87	
Water	Ba-133	72.67 ± 2.31	79 ± 8	-8.01	
	Ba-133	94.00 ± 1.00	99 ± 10	-5.05	
	Co-60	38.00 ± 1.73	40 ± 5	-5.00	
	Co-60	45.33 ± 0.58	49 ± 5	-7.49	
	Co-60	28.00 ± 0.00	29 ± 5	-3.45	
	Co-60	59.33 ± 1.15	60 ± 5	-1.12	
	Cs-134	41.67 ± 0.58	50 ± 5	-16.66	
	Cs-134	17.00 ± 1.00	20 ± 5	-15.00	
	Cs-134	35.00 ± 1.73	40 ± 5	-12.50	
	Cs-134	31.67 ± 1.15	40 ± 5	-20.83	
	Cs-137	27.67 ± 0.58	30 ± 5	-7.77	
	Cs-137	10.33 ± 0.58	11 ± 5	-6.09	
	Cs-137	34.33 ± 0.58	35 ± 5	-1.91	
	Cs-137	50.67 ± 1.53	49 ± 5	3.41	
	Gross Alpha	31.33 ± 2.27	51.2 ± 12.8	-38.81	
	Gross Alpha	23.90 ± 2.03	27.5 ± 6.9	-13.09	
	Gross Alpha	4.00 ± 0.00	5 ± 5	-20.00	
	Gross Alpha	42.80 ± 0.26	47.5 ± 11.9	-9.89	
	Gross Alpha	105.17 ± 6.61	99.4 ± 24.9	5.80	
	Gross Beta	20.77 ± 0.25	19.4 ± 5	7.06	
	Gross Beta	24.77 ± 0.46	24.8 ± 5	-0.12	
	Gross Beta	100.33 ± 1.03	86.6 ± 10	15.85	
	Gross Beta	6.00 ± 0.00	5 ± 5	20.00	
	Gross Beta	118.60 ± 0.43	124 ± 18.5	-3.97	
	H-3	4760.00 ± 88.48	4872 ± 487	-2.30	
	H-3	7576.33 ± 131.48	7453 ± 744	1.65	
	I-131	155.00 ± 1.73	148 ± 15	4.73	
	Pu-239	9.87 ± 0.40	11.1 ± 1.1	-11.08	
	Ra-226	23.63 ± 1.63	24.8 ± 3.7	-4.72	
	Ra-226	14.20 ± 1.04	14.9 ± 2.2	-4.70	
	Ra-226	23.10 ± 0.36	24.8 ± 3.7	-6.85	
	Ra-226	14.70 ± 0.40	14.8 ± 2.2	-0.68	
	Ra-226	17.77 ± 0.31	19.1 ± 2.9	-6.96	
	Ra-228	17.20 ± 0.26	20 ± 5	-14.00	

(a) Concentrations are ± 2 sigma total propagated analytical uncertainty.

**Table Q-2. Quanterra Environmental Services (QES) Performance Data
on EPA Intercomparison Program Samples, 1995**

<u>Concentrations (a), pCi/Filter or pCi/L</u>					<u>Out of Control Limits</u>
<u>Matrix</u>	<u>Radionuclide</u>	<u>QES Average Concentration</u>	<u>EPA Known Concentration</u>	<u>%Bias</u>	
	Ra-228	14.63 ± 0.74	15.8 ± 4	-7.41	
	Ra-228	18.47 ± 0.32	20.7 ± 5.2	-10.77	
	Ra-228	13.23 ± 0.57	15 ± 3.8	-11.80	
	Ra-228	16.97 ± 0.15	20 ± 5	-15.15	
	Sr-89	21.33 ± 1.53	20.2 ± 5	5.59	
	Sr-89	20.33 ± 0.58	20 ± 5	1.65	
	Sr-89	18.33 ± 0.24	20 ± 5	-8.35	
	Sr-89	16.67 ± 2.08	20 ± 5	-16.65	
	Sr-90	13.67 ± 0.58	15 ± 5	-8.87	
	Sr-90	12.67 ± 0.58	15 ± 5	-15.53	
	Sr-90	6.00 ± 0.00	8 ± 5	-25.00	
	Sr-90	7.67 ± 0.58	10 ± 5	-23.30	
	Uranium	32.57 ± 0.97	30.5 ± 3	6.79	
	Uranium	14.47 ± 1.43	15.2 ± 3	-4.80	
	Uranium	26.13 ± 0.38	27 ± 3	-3.22	
	Uranium	10.27 ± 0.59	10 ± 3	2.70	
	Uranium	27.23 ± 0.06	25.5 ± 3	6.78	
	Zn-65	80.67 ± 1.15	76 ± 8	6.14	
	Zn-65	132.00 ± 1.73	125 ± 13	5.60	

(a) Concentrations are ± 2 sigma total propagated analytical uncertainty.

**Table Q-3. Quantera Environmental Services (QES) Performance Data on the DOE
Quality Assessment Program Samples, 1995**

Matrix	Radionuclide	True Value	Reported Value	Control Limits Evaluation
Water	Am-241	3.59E+01 pCi/L	2.59E+01 pCi/L	Acceptable w/warning
	Co-60	5.30E+03 pCi/L	6.16E+03 pCi/L	Acceptable w/warning
	Cs-134	2.26E+03 pCi/L	2.60E+03 pCi/L	Acceptable
	Cs-137	2.08E+03 pCi/L	2.54E+03 pCi/L	Acceptable w/warning
	Gross Alpha	3.62E+04 pCi/L	3.51E+04 pCi/L	Acceptable
	Gross Beta	1.76E+04 pCi/L	1.95E+04 pCi/L	Acceptable
	H-3	1.63E+03 pCi/L	1.44E+03 pCi/L	Acceptable
	Mn-54	1.18E+03 pCi/L	1.44E+03 pCi/L	Acceptable w/warning
	Pu-239	1.60E+01 pCi/L	1.78E+01 pCi/L	Acceptable
	Sr-90	6.49E+01 pCi/L	8.35E+01 pCi/L	Acceptable w/warning
	U Total	1.23E+03 ug/ml	3.19E+00 ug/ml	Not Acceptable
Vegetation	Am-241	1.90E-02 pCi/g	1.38E-02 pCi/g	Acceptable w/warning
	Co-60	2.59E-01 pCi/g	2.54E-01 pCi/g	Acceptable
	Cs-137	3.16E+00 pCi/g	3.57E+00 pCi/g	Acceptable
	K-40	2.78E+01 pCi/g	3.03E+01 pCi/g	Acceptable
	Pu-238	2.41E-03 pCi/g	2.70E-03 pCi/g	Acceptable
	Pu-239	3.03E-02 pCi/g	2.95E-02 pCi/g	Acceptable
	Sr-90	1.38E+01 pCi/g	1.41E+01 pCi/g	Acceptable
Soil	Am-241	8.65E-02 pCi/g	6.84E-02 pCi/g	Acceptable
	Cs-137	7.19E+00 pCi/g	8.43E+00 pCi/g	Acceptable
	K-40	1.04E+01 pCi/g	1.09E+01 pCi/g	Acceptable
	Pu-238	8.65E-01 pCi/g	8.70E-01 pCi/g	Acceptable
	Pu-239	1.83E-01 pCi/g	1.96E-01 pCi/g	Acceptable
	Sr-90	3.05E-01 pCi/g	3.16E-01 pCi/g	Acceptable
	U Total	4.60E-01 ug/g	1.15E+00 ug/g	Acceptable
Air Filter	Am-241	4.78E+00 pCi/filter	4.24E+00 pCi/filter	Acceptable
	Ce-144	2.46E+03 pCi/filter	1.61E+03 pCi/filter	Acceptable w/warning
	Co-57	3.43E+02 pCi/filter	2.29E+02 pCi/filter	Acceptable w/warning
	Co-60	1.02E+02 pCi/filter	7.65E+01 pCi/filter	Acceptable w/warning
	Cs-134	1.55E+02 pCi/filter	1.22E+02 pCi/filter	Acceptable
	Cs-137	1.43E+02 pCi/filter	1.12E+02 pCi/filter	Acceptable w/warning
	Gross Alpha	8.70E+01 pCi/filter	1.11E+02 pCi/filter	Acceptable w/warning
	Gross Beta	5.00E+01 pCi/filter	4.43E+01 pCi/filter	Acceptable
	Mn-54	1.27E+02 pCi/filter	1.04E+02 pCi/filter	Acceptable w/warning
	Pu-238	3.30E+00 pCi/filter	3.43E+00 pCi/filter	Acceptable
	Pu-239	1.68E+00 pCi/filter	1.46E+00 pCi/filter	Acceptable
	Sb-125	2.55E+02 pCi/filter	2.28E+02 pCi/filter	Acceptable
	Sr-90	2.00E+01 pCi/filter	1.04E+01 pCi/filter	Not Acceptable
	U Total	1.42E+00 ug/filter	7.64E-01 ug/filter	Acceptable w/warning
Water	Am-241	5.27E+01 pCi/L	4.54E+01 pCi/L	Acceptable
	Co-60	5.30E+03 pCi/L	6.32E+03 pCi/L	Not Acceptable
	Cs-137	2.03E+03 pCi/L	2.53E+03 pCi/L	Acceptable w/warning
	Gross Alpha	3.54E+04 pCi/L	2.95E+04 pCi/L	Acceptable w/warning
	Gross Beta	1.11E+04 pCi/L	9.92E+03 pCi/L	Acceptable w/warning
	H-3	4.54E+03 pCi/L	3.73E+03 pCi/L	Acceptable w/warning
	Mn-54	1.21E+03 pCi/L	1.62E+03 pCi/L	Not Acceptable
	Pu-238	3.81E+01 pCi/L	3.62E+01 pCi/L	Acceptable

**Table Q-3. Quantera Environmental Services (QES) Performance Data on the DOE
Quality Assessment Program Samples, 1995**

Matrix	Radionuclide	True Value	Reported Value	Control Limits Evaluation
	Pu-239	7.35E+00 pCi/L	8.38E+00 pCi/L	Acceptable
	Sr-90	5.41E+01 pCi/L	5.24E+01 pCi/L	Acceptable
	U Total	3.00E-02 ug/ml	2.50E-02 ug/ml	Acceptable w/warning
Vegetation	Am-241	1.90E-02 pCi/g	1.38E-02 pCi/g	Acceptable
	Cm-244	1.84E-02 pCi/g	8.59E-03 pCi/g	Acceptable
	Co-60	2.59E-01 pCi/g	2.54E-01 pCi/g	Acceptable
	Cs-137	3.16E+00 pCi/g	3.57E+00 pCi/g	Acceptable
	K-40	2.78E+01 pCi/g	3.03E+01 pCi/g	Acceptable
	Pu-239	3.03E-02 pCi/g	2.95E-02 pCi/g	Acceptable w/warning
Soil	Am-241	4.76E-02 pCi/g	6.22E-02 pCi/g	Acceptable
	Cs-137	5.59E+00 pCi/g	6.65E+00 pCi/g	Acceptable
	K-40	1.02E+01 pCi/g	1.19E+01 pCi/g	Acceptable
	Pu-238	4.73E-01 pCi/g	4.70E-01 pCi/g	Acceptable
	Pu-239	1.40E-01 pCi/g	1.43E-01 pCi/g	Acceptable
	Sr-90	2.11E-01 pCi/g	2.19E-01 pCi/g	Acceptable
	U Total	2.46E+00 ug/g	1.79E+00 ug/g	Acceptable
Air Filter	Am-241	5.11E+00 pCi/filter	2.68E+00 pCi/filter	Not Acceptable
	Ce-144	1.41E+03 pCi/filter	9.89E+02 pCi/filter	Acceptable w/warning
	Co-57	3.97E+02 pCi/filter	2.92E+02 pCi/filter	Acceptable w/warning
	Co-60	8.81E+02 pCi/filter	7.68E+02 pCi/filter	Acceptable
	Cs-134	4.84E+02 pCi/filter	4.11E+02 pCi/filter	Acceptable
	Cs-137	1.96E+02 pCi/filter	1.57E+02 pCi/filter	Acceptable w/warning
	Gross Alpha	8.92E+01 pCi/filter	8.65E+01 pCi/filter	Acceptable
	Gross Beta	3.03E+01 pCi/filter	2.41E+01 pCi/filter	Acceptable w/warning
	Mn-54	1.44E+02 pCi/filter	1.26E+02 pCi/filter	Acceptable
	Pu-238	2.59E+00 pCi/filter	2.49E+00 pCi/filter	Acceptable
	Pu-239	2.51E+00 pCi/filter	2.24E+00 pCi/filter	Acceptable
	Ru-106	4.59E+02 pCi/filter	4.00E+02 pCi/filter	Acceptable
	Sb-125	3.08E+02 pCi/filter	3.00E+02 pCi/filter	Acceptable
	Sr-90	2.86E+01 pCi/filter	1.54E+01 pCi/filter	Not Acceptable
	U Total	4.30E+00 ug/filter	4.82E+00 ug/filter	Acceptable

Table Q-4. DataChem Laboratory Performance Data on EPA Water Supply and Water Pollution Intercomparison Program Samples, 1995

Study	Constituent	Units	Reported Value	True Value	Performance Evaluation
Trace Metals					
WP034	Aluminum	ug/L	988	990	Acceptable
WP034	Aluminum	ug/L	2720	2700	Acceptable
WS035	Aluminum	ug/L	692	670	Acceptable
WS036	Aluminum	ug/L	53	51	Acceptable
WP034	Antimony	ug/L	121	127	Acceptable
WP034	Antimony	ug/L	430	441	Acceptable
WS035	Antimony	ug/L	29.6	30.8	Acceptable
WS036	Antimony	ug/L	11.5	11	Acceptable
WP034	Arsenic	ug/L	123	121	Acceptable
WP034	Arsenic	ug/L	471	462	Acceptable
WS035	Arsenic	ug/L	62.8	61.7	Acceptable
WS036	Arsenic	ug/L	119	120	Acceptable
WS035	Barium	ug/L	2220	2250	Acceptable
WS036	Barium	ug/L	1220	1300	Acceptable
WP034	Beryllium	ug/L	13.1	13	Acceptable
WP034	Beryllium	ug/L	91.7	92.3	Acceptable
WS035	Beryllium	ug/L	1.29	1.33	Acceptable
WS036	Beryllium	ug/L	7.43	7.7	Acceptable
WS035	Boron	ug/L	1340	1270	Acceptable
WS036	Boron	ug/L	487	480	Acceptable
WP034	Cadmium	ug/L	13.3	13	Acceptable
WP034	Cadmium	ug/L	211	210	Acceptable
WS035	Cadmium	ug/L	2.73	2.8	Acceptable
WS036	Cadmium	ug/L	34.2	34	Acceptable
WP034	Chromium	ug/L	103	97.2	Acceptable
WP034	Chromium	ug/L	364	361	Acceptable
WS035	Chromium	ug/L	123	119	Acceptable
WS036	Chromium	ug/L	38.9	37.8	Acceptable
WP034	Cobalt	ug/L	128	130	Acceptable
WP034	Cobalt	ug/L	327	330	Acceptable
WP034	Copper	ug/L	50.7	50.4	Acceptable
WP034	Copper	ug/L	883	890	Acceptable
WS035	Copper	ug/L	1420	1400	Acceptable
WS036	Copper	ug/L	608	630	Acceptable
WP034	Iron	ug/L	653	626	Acceptable
WP034	Iron	ug/L	995	941	Acceptable
WP034	Lead	ug/L	188	190	Acceptable
WP034	Lead	ug/L	499	500	Acceptable
WS035	Lead	ug/L	63.4	64.1	Acceptable
WS036	Lead	ug/L	38.8	39	Acceptable
WP034	Manganese	ug/L	270	281	Acceptable
WP034	Manganese	ug/L	1370	1400	Acceptable
WS035	Manganese	ug/L	99.2	98	Acceptable
WS036	Manganese	ug/L	969	970	Acceptable
WP034	Mercury	ug/L	1.26	1.33	Acceptable
WP034	Mercury	ug/L	1.7	1.76	Acceptable
WS035	Mercury	ug/L	0.835	0.897	Acceptable
WS036	Mercury	ug/L	2.86	3	Acceptable
WP034	Molybdenum	ug/L	30.8	31	Acceptable
WP034	Molybdenum	ug/L	251	250	Acceptable
WS035	Molybdenum	ug/L	88.7	84.1	Acceptable

Table Q-4. DataChem Laboratory Performance Data on EPA Water Supply and Water Pollution Intercomparison Program Samples, 1995

Study	Constituent	Units	Reported Value	True Value	Performance Evaluation
WS036	Molybdenum	ug/L	10.7	11	Acceptable
WP034	Nickel	ug/L	79.6	80.9	Acceptable
WP034	Nickel	ug/L	772	780	Acceptable
WS035	Nickel	ug/L	194	180	Acceptable
WS036	Nickel	ug/L	379	380	Acceptable
WP034	Selenium	ug/L	200	199	Acceptable
WP034	Selenium	ug/L	441	437	Acceptable
WS035	Selenium	ug/L	81.7	80.5	Acceptable
WS036	Selenium	ug/L	29.8	31.1	Acceptable
WP034	Silver	ug/L	38.1	36.9	Acceptable
WP034	Silver	ug/L	268	260	Acceptable
WS035	Silver	ug/L	76.6	76.2	Acceptable
WS036	Silver	ug/L	55.7	54.2	Acceptable
WP034	Strontium	ug/L	45.1	45.3	Acceptable
WP034	Strontium	ug/L	286	290	Acceptable
WP034	Thallium	ug/L	222	231	Acceptable
WP034	Thallium	ug/L	883	891	Acceptable
WS035	Thallium	ug/L	7.69	8	Acceptable
WS036	Thallium	ug/L	4.68	4.5	Acceptable
WP034	Titanium	ug/L	37.7	38	Acceptable
WP034	Titanium	ug/L	139	142	Acceptable
WP034	Vanadium	ug/L	5070	5200	Acceptable
WP034	Vanadium	ug/L	9020	9100	Acceptable
WP034	Zinc	ug/L	470	484	Acceptable
WP034	Zinc	ug/L	921	967	Acceptable
WS035	Zinc	ug/L	818	818	Acceptable
WS036	Zinc	ug/L	1360	1410	Acceptable
Demands					
WP034	CCD	mg/L	50	48.1	Acceptable
WP034	CCD	mg/L	22.1	15.9	Not Acceptabl
WP034	TOC	mg/L	19.7	19	Acceptable
WP034	TOC	mg/L	6.4	6.3	Acceptable
Minerals					
WP034	Calcium	mg/L	21.9	21	Acceptable
WP034	Calcium	mg/L	82	78	Acceptable
WP034	Chloride	mg/L	56.1	55.9	Acceptable
WP034	Chloride	mg/L	248	246	Acceptable
WS035	Fluoride	mg/L	3.84	3.8	Acceptable
WS036	Fluoride	mg/L	7.11	7.2	Acceptable
WP034	Fluroride	mg/L	2.18	2.1	Acceptable
WP034	Fluroride	mg/L	0.618	0.56	Acceptable
WP034	Magnesium	mg/L	6.44	6.3	Acceptable
WP034	Magnesium	mg/L	30.3	29	Acceptable
WP034	Potassium	mg/L	32.2	32	Acceptable
WP034	Potassium	mg/L	10.2	10.2	Acceptable
WP034	Sodium	mg/L	30	29.5	Acceptable
WP034	Sodium	mg/L	19.1	18.1	Acceptable
WS035	Sodium	mg/L	22.8	22.2	Acceptable
WS036	Sodium	mg/L	18.3	17.5	Acceptable
WP034	Sulfate	mg/L	50.5	52	Acceptable
WP034	Sulfate	mg/L	7.82	8.1	Acceptable
WS035	Sulfate	mg/L	6.25	6.4	Acceptable

Table Q-4. DataChem Laboratory Performance Data on EPA Water Supply and Water Pollution Intercomparison Program Samples, 1995

Study	Constituent	Units	Reported Value	True Value	Performance Evaluation
WS036	Sulfate	mg/L	84.8	81	Acceptable
WP034	Total Alkalinity (as CaCO ₃)	mg/L	45.8	45	Acceptable
WP034	Total Alkalinity (as CaCO ₃)	mg/L	9.75	10	Acceptable
Nutrients					
WP034	Ammonia	mg/L	8.64	8.8	Acceptable
WP034	Ammonia	mg/L	3.83	3.9	Acceptable
WP034	Kjeldahi-Nitrogen	mg/L	3.62	3.71	Acceptable
WP034	Kjeldahi-Nitrogen	mg/L	15.9	16	Acceptable
WS035	Nitrate as N	mg/L	5.23	5.2	Acceptable
WS036	Nitrate as N	mg/L	3.26	2.9	Not Acceptable
WP034	Nitrate-Nitrogen	mg/L	5.68	6.02	Acceptable
WP034	Nitrate-Nitrogen	mg/L	20.6	23.1	Acceptable
WS035	Nitrite as N	mg/L	1.82	1.9	Acceptable
WS036	Nitrite as N	mg/L	0.982	1.1	Acceptable
WP034	Orthophosphate	mg/L	0.95	0.918	Acceptable
WP034	Orthophosphate	mg/L	0.433	0.429	Acceptable
WP034	Total Phosphorus	mg/L	3.7	3.81	Acceptable
WP034	Total Phosphorus	mg/L	2.08	1.9	Acceptable
Miscellaneous Parameters					
WS035	Alkalinity	mg CaCO ₃ /L	46.5	48.3	Acceptable
WS036	Alkalinity	mg CaCO ₃ /L	41	38.1	Acceptable
WS035	Calcium	mg CaCO ₃ /L	126	118	Acceptable
WS036	Calcium	mg CaCO ₃ /L	220	215	Acceptable
WS035	Corrosivity	Langelier Ind. at 20C	0.962	0.94	Acceptable
WS036	Corrosivity	Langelier Ind. at 20C	0.996	1.09	Acceptable
WP034	Non-Filterable Residue	mg/L	28.8	38	Not Acceptabl
WP034	Non-Filterable Residue	mg/L	13.6	23	Not Acceptable
WP034	pH		7.58	7.6	Acceptable
WP034	pH		8.89	9	Acceptable
WS-15	pH		9.1	9.05	Acceptable
WS-16	pH		9.02	9.13	Acceptable
WS-17	pH		9.06	9.11	Acceptable
WS-18	pH		9.07	9.02	Acceptable
WS035	pH		9.14	9.13	Acceptable
WS036	pH		8.99	9.13	Acceptable
WS035	Residual Free Chlorine	mg/L	2.95	3	Acceptable
WS036	Residual Free Chlorine	mg/L	0.475	0.562	Acceptable
WP034	Spec. Cond.	UMHOS/CM	420	414	Acceptable
WP034	Spec. Cond.	UMHOS/CM	868	859	Acceptable
WP034	TDS at 180 C	mg/L	221	237	Acceptable
WS035	Total Cyanide	mg/L	0.41	0.48	Acceptable
WS036	Total Cyanide	mg/L	0.182	0.2	Acceptable
WP034	Total Cyanide	mg/L	0.11	0.12	Acceptable
WP034	Total Cyanide	mg/L	0.714	0.74	Acceptable
WS035	Total Filterable Residue	mg/L	256	306	Acceptable
WS036	Total Filterable Residue	mg/L	354	380	Acceptable
WP034	Total Hardness (as CaCO ₃)	mg/L	81.3	78.4	Acceptable
WP034	Total Hardness (as CaCO ₃)	mg/L	330	314	Acceptable
WP034	Total Phenolics	mg/L	0.0369	0.041	Acceptable
WP034	Total Phenolics	mg/L	0.348	0.381	Acceptable
WP034	Total Residual Chlorine	mg/L	1.25	1.1	Acceptable
WP034	Total Residual Chlorine	mg/L	0.294	0.16	Not Acceptable

Table Q-4. DataChem Laboratory Performance Data on EPA Water Supply and Water Pollution Intercomparison Program Samples, 1995

Study	Constituent	Units	Reported Value	True Value	Performance Evaluation
WS-15	Turbidity	NTU	1.85	1.75	Acceptable
WS035	Turbidity	NTU	3.2	3.5	Acceptable
WS036	Turbidity	NTU	6.82	6.3	Acceptable
Volatile Organic Constituents					
WP034	1,1,1, Trichloroethane	ug/L	49.1	48.1	Acceptable
WP034	1,1,1, Trichloroethane	ug/L	19.5	18.6	Acceptable
WS035	1,1,1,2Tetrachloroethane	ug/L	15	17	Acceptable
WS036	1,1,1,2Tetrachloroethane	ug/L	12.7	12.3	Acceptable
WS035	1,1,1-Trichloroethane	ug/L	6.16	8.78	Acceptable
WS036	1,1,1-Trichloroethane	ug/L	16.5	14.5	Acceptable
WS035	1,1,2-Trichloroethane	ug/L	12.9	12.8	Acceptable
WS036	1,1,2-Trichloroethane	ug/L	7.65	6.46	Acceptable
WS035	1,1-Dichloroethylene	ug/L	11.9	13.9	Acceptable
WS036	1,1-Dichloroethylene	ug/L	10.8	8.49	Acceptable
WS035	1,2 Dibromo3chloropropane	ug/L	0.533	0.589	Acceptable
WS036	1,2 Dibromo3chloropropane	ug/L	0.177	0.196	Acceptable
WS035	1,2 Dichlorobenzene	ug/L	12.4	12.5	Acceptable
WP034	1,2 Dichloroethane	ug/L	63.4	63.4	Acceptable
WP034	1,2 Dichloroethane	ug/L	14.6	13.7	Acceptable
WS035	1,2 Dichloropropane	ug/L	9.56	9	Acceptable
WS036	1,2 Dichloropropane	ug/L	17	16.4	Acceptable
WS035	1,2,3,-Trichloropropane	ug/L	15.6	15.5	Acceptable
WS036	1,2,3,-Trichloropropane	ug/L	7.9	12.8	Acceptable
WS035	1,2,4-Trichlorobenzene	ug/L	19	18.4	Acceptable
WS036	1,2,4-Trichlorobenzene	ug/L	13.5	12.6	Acceptable
WP034	1,2-Dichlorobenzene	ug/L	14.6	13.2	Acceptable
WP034	1,2-Dichlorobenzene	ug/L	58.8	63.3	Acceptable
WS035	1,2-Dichloroethane	ug/L	14.3	14.1	Acceptable
WS036	1,2-Dichloroethane	ug/L	10.7	9	Acceptable
WP034	1,3-Dichlorobenzene	ug/L	16.5	14.9	Acceptable
WP034	1,3-Dichlorobenzene	ug/L	55.5	57.9	Acceptable
WS035	1,3-Dichloropropane	ug/L	15.8	11.8	Not Acceptable
WP034	1,4-Dichlorobenzene	ug/L	18.7	17.3	Acceptable
WP034	1,4-Dichlorobenzene	ug/L	55.6	57	Acceptable
WS035	1,4-Dichlorobenzene	ug/L	18.8	16.7	Acceptable
WS036	1,4-Dichlorobenzene	ug/L	12.6	11.9	Acceptable
WS035	2-Chlorotoluene	ug/L	13.8	13.3	Acceptable
WP034	Benzene	ug/L	11.1	11.4	Acceptable
WP034	Benzene	ug/L	51.9	49.1	Acceptable
WS035	Benzene	ug/L	14.8	14	Acceptable
WS036	Benzene	ug/L	8.61	7.49	Acceptable
WP034	Bromodichloromethane	ug/L	63.4	65.4	Acceptable
WP034	Bromodichloromethane	ug/L	18.4	18.5	Acceptable
WS035	Bromodichloromethane	ug/L	11.5	13.8	Acceptable
WS036	Bromodichloromethane	ug/L	22.7	26.8	Acceptable
WP034	Bromoform	ug/L	54.8	55	Acceptable
WP034	Bromoform	ug/L	14.4	15	Acceptable
WS035	Bromoform	ug/L	15.5	16.4	Acceptable
WS036	Bromoform	ug/L	36.5	38.6	Acceptable
WS035	cis 1,2 Dichloroethylene	ug/L	8.13	6.69	Acceptable
WS035	cis 1,2 Dichloroethylene	ug/L	21.7	23.4	Acceptable
WS036	cis 1,2 Dichloroethylene	ug/L	14.2	16.1	Acceptable

Table Q-4. DataChem Laboratory Performance Data on EPA Water Supply and Water Pollution Intercomparison Program Samples, 1995

Study	Constituent	Units	Reported Value	True Value	Performance Evaluation
WS035	Carbon Tetrachloride	ug/L	8.21	10.8	Not Acceptable
WS036	Carbon Tetrachloride	ug/L	14.2	12.6	Not Acceptable
WP034	Carbontetrachloride	ug/L	63.5	64.2	Acceptable
WP034	Carbontetrachloride	ug/L	18.7	17	Acceptable
WP034	Chlorobenzene	ug/L	55.5	54.7	Acceptable
WP034	Chlorobenzene	ug/L	16.9	15.2	Acceptable
WS035	Chlorobenzene	ug/L	13.1	12.4	Acceptable
WS036	Chlorobenzene	ug/L	17.1	16.3	Acceptable
WS035	Chlorodibromomethane	ug/L	16.7	18.6	Acceptable
WS036	Chlorodibromomethane	ug/L	32.3	34.2	Acceptable
WP034	Chloroform	ug/L	58.8	58.3	Acceptable
WP034	Chloroform	ug/L	17.2	17.8	Acceptable
WS035	Chloroform	ug/L	10.9	12	Acceptable
WS036	Chloroform	ug/L	21.3	21.7	Acceptable
WP034	Dibromochloromethane	ug/L	52.8	53.7	Acceptable
WP034	Dibromochloromethane	ug/L	13.6	12.8	Acceptable
WS036	Dibromomethane	ug/L	18.8	17.7	Acceptable
WS035	Dichloromethane	ug/L	5.67	5.83	Acceptable
WS036	Dichloromethane	ug/L	14.5	12.3	Acceptable
WP034	Ethylbenzene	ug/L	20.8	18.1	Acceptable
WP034	Ethylbenzene	ug/L	57	46.1	Acceptable
WS035	Ethylbenzene	ug/L	14.5	13.6	Acceptable
WS036	Ethylbenzene	ug/L	14.5	14.8	Acceptable
WS035	Ethylene Dibromide	ug/L	0.555	0.609	Acceptable
WS036	Ethylene Dibromide	ug/L	0.35	0.283	Acceptable
WS035	Hexachlorobutadiene	ug/L	12.6	12.6	Acceptable
WS036	Hexachlorobutadiene	ug/L	16.2	15.1	Acceptable
WP034	Methylene Chloride	ug/L	55.1	58.1	Acceptable
WP034	Methylene Chloride	ug/L	11.9	12.3	Acceptable
WS036	N-Butylbenzene	ug/L	12.7	12.6	Acceptable
WS035	Styrene	ug/L	17.1	16.7	Acceptable
WS036	Styrene	ug/L	14	12.9	Acceptable
WS035	trans 1,2 Dichloroethylene	ug/L	8.71	8.41	Acceptable
WS036	trans 1,2 Dichloroethylene	ug/L	11.6	11.6	Acceptable
WS035	trans 1,3 Dichloropropene	ug/L	9.74	10.5	Acceptable
WS036	trans 1,3 Dichloropropene	ug/L	7.07	6.89	Acceptable
WP034	Tetrachloroethene	ug/L	48.7	54.2	Acceptable
WP034	Tetrachloroethene	ug/L	16.2	16.6	Acceptable
WS035	Tetrachloroethylene	ug/L	12.2	11.6	Acceptable
WS036	Tetrachloroethylene	ug/L	14.1	18.5	Not Acceptable
WP034	Toluene	ug/L	18.3	19.8	Acceptable
WP034	Toluene	ug/L	64.8	64.3	Acceptable
WS035	Toluene	ug/L	10.6	9.92	Acceptable
WS036	Toluene	ug/L	13.6	13.2	Acceptable
WS035	Total Trihalomethane	ug/L	54.6	60.8	Acceptable
WS036	Total Trihalomethane	ug/L	113	121.3	Acceptable
WS035	Total Xylenes	ug/L	18.5	17.4	Acceptable
WS036	Total Xylenes	ug/L	10.3	10.4	Acceptable
WP034	Trichloroethene	ug/L	57.8	57.4	Acceptable
WP034	Trichloroethene	ug/L	14	13.3	Acceptable
WS035	Trichloroethylene	ug/L	5.24	6.13	Acceptable
WS036	Trichloroethylene	ug/L	18.7	17.4	Acceptable

Table Q-4. DataChem Laboratory Performance Data on EPA Water Supply and Water Pollution Intercomparison Program Samples, 1995

Study	Constituent	Units	Reported Value	True Value	Performance Evaluation
WS035	Vinyl Chloride	ug/L	4.88	4.91	Acceptable
WS036	Vinyl Chloride	ug/L	15.4	9.47	Not Acceptable
	PCB and Pesticides				
WP034	Aldrin	ug/L	1.38	1.63	Acceptable
WP034	Aldrin	ug/L	0.286	0.364	Acceptable
WS035	Aldrin	ug/L	0.829	1.23	Acceptable
WS036	Aldrin	ug/L	0.671	0.98	Acceptable
WP034	Chlordane	ug/L	1.88	1.89	Acceptable
WP034	Chlordane	ug/L	4.2	4.36	Acceptable
WS035	Chlordane (Total)	ug/L	11.4	13.6	Acceptable
WS036	Chlordane (Total)	ug/L	16.2	16.7	Acceptable
WP034	DDD	ug/L	3.07	3.88	Acceptable
WP034	DDD	ug/L	1.02	1.14	Acceptable
WP034	DDE	ug/L	2.03	2.71	Acceptable
WP034	DDE	ug/L	0.968	1.07	Acceptable
WP034	DDT	ug/L	1.86	2.84	Acceptable
WP034	DDT	ug/L	1.06	1.42	Acceptable
WP034	Dieldrin	ug/L	3.79	4.2	Acceptable
WP034	Dieldrin	ug/L	1.36	1.57	Acceptable
WS035	Dieldrin	ug/L	0.743	0.857	Acceptable
WS036	Dieldrin	ug/L	0.921	1.54	Not Acceptable
WS035	Endrin	ug/L	0.484	0.649	Acceptable
WS036	Endrin	ug/L	0.322	0.383	Acceptable
WP034	Heptachlor	ug/L	1.77	2.23	Acceptable
WP034	Heptachlor	ug/L	0.31	0.426	Acceptable
WS035	Heptachlor	ug/L	1.79	2.54	Acceptable
WS036	Heptachlor	ug/L	0.56	0.751	Acceptable
WP034	Heptachlor Epoxide	ug/L	1.57	1.93	Acceptable
WP034	Heptachlor Epoxide	ug/L	0.301	0.386	Acceptable
WS035	Heptachlor Epoxide	ug/L	1.4	1.49	Acceptable
WS035	Lindane	ug/L	0.535	0.543	Acceptable
WS036	Lindane	ug/L	0.361	0.429	Acceptable
WS035	Methoxychlor	ug/L	45.8	62.6	Acceptable
WS036	Methoxychlor	ug/L	24.6	28.9	Acceptable
WP034	PCB in Oil 1254	ug/Kg	24.5	22.7	Acceptable
WP034	PCB in Oil 1260	ug/Kg	38.5	42.7	Acceptable
WP034	PCB-Aroclor 1016/1242	mg/L	4.84	6.74	Acceptable
WP034	PCB-Aroclor 1260	mg/L	1.43	1.61	Acceptable
WS035	Toxaphene	ug/L	21.5	18.3	Acceptable
WS036	Toxaphene	ug/L	12.7	14.7	Acceptable
	Herbicides				
WS035	2,4,5-TP (Silvex)	ug/L	15.3	17.6	Acceptable
WS036	2,4,5-TP (Silvex)	ug/L	17.8	23	Acceptable
WS035	2,4-D	ug/L	51.1	52.4	Acceptable
WS036	2,4-D	ug/L	31.7	38.6	Acceptable
WS035	Dalapon	ug/L	27.8	48.2	Acceptable
WS036	Dalapon	ug/L	53.2	65.2	Acceptable
WS035	Dicamba	ug/L	54.3	57.3	Acceptable
WS036	Dicamba	ug/L	54	73.8	Acceptable
WS035	Dinoseb	ug/L	21	26.3	Acceptable
WS036	Dinoseb	ug/L	14.8	47.2	Acceptable
WS035	Pentachlorophenol	ug/L	6.79	8.91	Acceptable

Table Q-4. DataChem Laboratory Performance Data on EPA Water Supply and Water Pollution Intercomparison Program Samples, 1995

<u>Study</u>	<u>Constituent</u>	<u>Units</u>	<u>Reported Value</u>	<u>True Value</u>	<u>Performance Evaluation</u>
WS036	Pentachlorophenol	ug/L	11.6	14.6	Acceptable
WS035	Picloram	ug/L	49.3	62.5	Acceptable
WS036	Picloram	ug/L	26.2	42.2	Acceptable
	Oil and Grease				
WP034	Oil and Grease	mg/L	9.6	11	Acceptable
WP034	Oil and Grease	mg/L	274	16.4	Not Acceptable

DISTRIBUTION

No. of
Copies

No. of
Copies

OFFSITE

2 DOE/Office of Scientific and
Technical Information

Basin City Branch of the Mid-
Columbia Library
50-A N Canal Blvd
Basin City, WA 99343

Benton City Branch of the Mid-
Columbia Library
City Hall
Benton City, WA 99320

Burbank Community Library
50 Maple
Burbank, WA 99323

Connell Branch of the Mid-
Columbia Library
130 Columbia
Connell, WA 99326

Dirk Dunning
Oregon Department of Energy
625 Marion Street NE
Salem, OR 97310

J. L. Erickson
Division of Radiation
Protection
Washington State Department of
Health
P.O. Box 47827
Olympia, WA 98504-7827

Kahlotus Branch of the Mid-
Columbia Library
255 E Weston
Kahlotus, WA 99352

Kennewick Branch of the Mid-
Columbia Library
405 S Dayton
Kennewick, WA 99336

David Mayo
Hanford Health Information
Network
c/o Panhandle Health District
2195 Ironwood Court
Coeur d'Alene, ID 83814

Merrill's Corner Branch of the
Mid-Columbia Library
5240 Eltopia Way
Eltopia, WA 99330

Dave Murphy
American Ecology, Inc.
5333 Westheimer, Suite 1000
Houston, TX 77056-5407

Pasco Branch of the Mid-
Columbia Library
1320 W. Hopkins
Pasco, WA 99301

Richland Public Library
955 Northgate
Richland, WA 99352

Roza Branch of the Mid-
Columbia Library
Johnson and Hinzerling Rd
Prosser, WA 99350

Serials Department - Knight
Library
1299 University of Oregon
Eugene, OR 97403-1299

R. F. Stanley
Washington State Department of
Ecology
Nuclear and Mixed Waste
Program
MS PV-11
Olympia, WA 98504-8711

T. Stave
Documents Department
University of Oregon Library
Eugene, OR 96403

No. of
Copies

No. of
Copies

Washington State Department of
Ecology Library
PU-11
Olympia, WA 98504

West Richland Branch of the
Mid-Columbia Library
5456 Van Giesen
West Richland, WA 99352

18 Community-Operated
Environmental Station Managers

P. T. Alexander
630 Henderson Rd.
Wapato, WA 98951

D. D. Brown
4503 Fairbrook Drive
Yakima, WA 98908

L. D. DeWitt
312 S. Columbia Center Blvd.
Kennewick, WA 99336

T. Droppo
3621 W. Sylvester
Pasco, WA 99301

D. R. Johns
59406 E. Main PR SE
Benton City, WA 99320

K. Jones
P. O. Box 481
Benton City, WA 99320

M. P. Madison
1715 N. 18th Avenue
Pasco, WA 99301

K. McEachen
160 Basin Drive
Mesa, WA 99343

J. O'Neill
P.O. Box 255
Umatilla, OR 97882

J. Oord
1028 E. Oak
Othello, WA 99344

C. L. Stevenson
70 Canal Drive
Mesa, WA 99343

B. Taylor
1013 Sundance Road
Othello, WA 99344

K. A. Thomas
6521 W. Argent
Pasco, WA 99301

C. A. Wagner
1528 Hunt Avenue
Richland, WA 99352

D. Weberling
23745 Boulder Lane
Mattawa, WA 99349

B. Whitehouse
P. O. Box 2197
Mattawa, WA 99349

A. J. Williamson
254 Rockwood Drive
Richland, WA 99352

C. Zwiener
65006 E. Sunset View PR SE
Benton City, WA 99320

ONSITE

5 DOE Richland Operations Office

J. B. Hall
R. D. Hildebrand
D. C. Ward
Public Reading Room (2)

3 Westinghouse Hanford Company

L. P. Diediker
J. E. Pieper
J. W. Schmidt

4 Bechtel Hanford Incorporated

S. Weiss (2)
EDMC (2) Attention Susan Wray

27 Pacific Northwest Laboratory

E. J. Antonio
L. E. Bisping (13)
A. T. Cooper
R. L. Dirkes
B. M. Gillespie
R. W. Hanf
B. E. Opitz
G. W. Patton
T. M. Poston
Historical File -- R.L. Dirkes
Technical Report Files (5)