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**TWRS Privatization Support Project Waste
Characterization Database Development**

Work Order BE0216

Prepared for

Pacific Northwest National Laboratory

November 1995

For the U.S. Department of Energy
Contract DE-AC06-93RL12359

Prepared By

ICF Kaiser Hanford Company
Richland, Washington

VOLUME I

ICF Kaiser Hanford Company

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TWRS PRIVATIZATION SUPPORT PROJECT WASTE CHARACTERIZATION DATABASE DEVELOPMENT

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WORK ORDER BE0216

LETTER REPORT

TWRS PRIVATIZATION SUPPORT PROJECT WASTE CHARACTERIZATION DATABASE DEVELOPMENT

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ABSTRACT

Pacific Northwest National Laboratory requested support from ICF Kaiser Hanford Company in assembling radionuclide and chemical analyte sample data and inventory estimates for fourteen Hanford underground storage tanks: 241-AN-102, -104, -105, -106, and -107; 241-AP-102, -104, and -105; 241-AW-101, -103, and -105; 241-AZ-101 and -102; and 241-C-109. Sample data were assembled for sixteen radionuclides and thirty-five chemical analytes. The characterization data were provided to Pacific Northwest National Laboratory in support of the Tank Waste Remediation Services Privatization Support Project.

The purpose of this report is to present the results and document the methodology used in preparing the waste characterization information data set to support the Tank Waste Remediation Services Privatization Support Project. This report describes the methodology used in assembling the waste characterization information and how that information was validated by a panel of independent technical reviewers. Also, contained in this report are the various data sets created: the master data set, a subset, and an unreviewed data set. The master data set contains waste composition information for Tanks 241-AN-102 and -107; 241-AP-102 and -105; 241-AW-101; and 241-AZ-101 and -102. The subset contains only the validated analytical sample data from the master data set. The unreviewed data set contains all collected but unreviewed sample data for Tanks 241-AN-104, -105, and -106; 241-AP-104; 241-AW-103 and -105; and 241-C-109. The methodology used to review the waste characterization information was found to be an accurate, useful way to separate the invalid or questionable data from the more reliable data. In the future, this methodology should be considered when validating waste characterization information.

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LIST OF TERMS

ANL	Argonne National Laboratory
Braun	Refers to the data set developed by Mr. D. J. Braun
HTCE Inv.	Historical Tank Content Estimate Inventory, estimated inventory of individual tank wastes created by S. F. Agnew and published by ICF KH for WHC in the HTCE reports WHC-SD-WM-ER-349 through 352
ICF KH	ICF Kaiser Hanford Company
Waste Characterization Information	This is the combination of sample data and inventory estimates
Inventory Estimates	Estimates of tank contents based on computer models, process history, process flow sheets, and waste transfer data
LANL	Los Alamos National Laboratory
Master Data Set	This is the data set that contains all collected waste characterization information for the seven tanks selected to review
PNNL	Pacific Northwest National Laboratory
PSP	Privatization Support Project
Sample Data	Analytical results from an actual tank sampling event
STIV	Source Term Inventory Validation data set, data from WHC-SD-WM-ER-400, <u>Tank Waste Source Term Inventory Validation</u>
Subset	This is a subset of the master data set. It contains only the valid waste characterization information.
TCD	Tank Characterization Database. It contains current characterization information and is operated by PNNL.
TRAC	Track Radioactive Components data set. A computer estimate of the tank inventories
TWRS	Tank Waste Remediation Services
Unreviewed Data Set	This data set contains all collected waste characterization information for the seven tanks that were not selected for review. This data has not gone through a review process.
Wastren	Refers to the Wastren/Van Vleet data set
WHC	Westinghouse Hanford Company

TWRS PRIVATIZATION SUPPORT PROJECT WASTE CHARACTERIZATION DATABASE DEVELOPMENT

INTRODUCTION

Pacific Northwest National Laboratory (PNNL) requested support from ICF Kaiser Hanford Company (ICF KH) in the sample data assembly, tabulation, and plotting of liquid and solid radionuclide and chemical analyte sample data and inventory estimates for up to 14 Hanford underground waste storage tanks. Sample data were to be assembled for 17 radionuclides and 35 chemical analytes that might be present in the underground waste storage tanks. The characterization data were to be provided to PNNL in support of the Tank Waste Remediation Services (TWRS) Privatization Support Project.

The PNNL requested ICF KH to perform this work because of our experience in assembling characterization data sets. In 1994 and 1995, ICF KH published Historical Tank Content Estimate (HTCE) reports for all four tank farm quadrants (northeast, northwest, southeast, and southwest), WHC-SD-WM-ER-349 through 352, Rev. 0. The Supporting Documents, WHC-SD-WM-ER-308 through 325, Rev. 0 (by tank farm), were also published for WHC. These documents contain sample information in tables, with copies of the original reports and memoranda on all tanks until December 1989. In April 1995, ICF KH published the Tank Waste Source Term Inventory Validation (STIV) report (WHC-SD-WM-ER-400, Rev. 0) for the WHC Safety Analysis and Nuclear Engineering group. This group was preparing an accident analysis for the Hanford tank farms. The accident analysis required the calculation of unit-doses, dose consequences, and source terms for radionuclides and toxic chemicals. They needed concentrations of toxic chemicals and radionuclides present in all 177 tanks. The list of constituents was limited to 24 toxic chemicals and 11 radionuclides. This initial data set (STIV data set) consisted of the Braun, Wastren, and Kaiser ("raw") data sets, the HTCE and Track Radioactive Components (TRAC) inventory estimates, and Tank Characterization Database (TCD) sample results.

The initial scope of the work consisted of assembling liquid and solid characterization data, both inventory and analytical, for up to fourteen tanks (K. D. Wiemers, PNNL, to R. T. Steen, ICF KH, "Letter of Instruction from TWRS Privatization Support Project, Waste Characterization Task," dated November 9, 1995). The data were to be placed in a tabular format and scatter plots prepared representing the individual sample data points in an identifiable manner. In addition, an electronic file (or electronic application) of the sample data for the selected tanks was to be made available in an electronic Site-supported database. As the project progressed, some changes to the initial work scope occurred. The scatter plots were deemed not useful for this project and were eliminated from the scope. Due to the acceleration of the schedule, time did not permit the review of the solid radionuclide and analyte data - only liquid waste characterization information was reviewed and validated. The liquid waste characterization information was needed to support the waste facility low-activity feed envelope development. Antimony-129 was deleted from the data set due to its short half-life and tin-127 was changed to tin-126 (cc:Mail from K. D. Wiemers to C. H. Brevick, dated June 8, 1995). Dysprosium, which was originally in the STIV data set, was excluded from this data set because dysprosium has never been quantifiably detected in any tank at Hanford (it occasionally shows up on an inductively coupled plasma analysis because heavy-element corrections have not been made). The final data set includes 16 radionuclides and 35 chemical analytes.

APPROACH/EVALUATION

Additions to the STIV data set increased the radionuclides to 16 and chemical analytes to 35, but narrowed the number of tanks from 177 to 14. A list of the radionuclides and chemical analytes are provided in Tables 1 and 2, respectively. The 14 tanks that waste composition information was compiled for are listed in Table 3.

TABLE 1. List of Radionuclides in the Data Set

Americium-241 (²⁴¹ Am)	Plutonium-238 (²³⁸ Pu)
*Carbon-14 (¹⁴ C)	Plutonium-239/240 (^{239/240} Pu)
Curium-244 (²⁴⁴ Cm)	Plutonium-241 (²⁴¹ Pu)
Cobalt-60 (⁶⁰ Co)	Selenium-79 (⁷⁹ Se)
Cesium-137 (¹³⁷ Cs)	*Tin-126 (¹²⁶ Sn)
Europium-154 (¹⁵⁴ Eu)	Strontium-90 (⁹⁰ Sr)
*Iodine-129 (¹²⁹ I)	*Technetium-99 (⁹⁹ Tc)
Neptunium-237 (²³⁷ Np)	Yttrium-90 (⁹⁰ Y)

*Denotes radionuclides added for TWRS Privatization Support Project

TABLE 2. List of Chemical Analytes in the Data Set

*Aluminum (Al)	Chromium (Cr)	Hydroxide (OH)
Arsenic (As)	*Fluorine (F)	*Lead (Pb)
Barium (Ba)	*Iron (Fe)	*Phosphate (PO ₄)
Beryllium (Be)	Mercury (Hg)	Antimony (Sb)
Calcium (Ca)	*Potassium (K)	Selenium (Se)
Cadmium (Cd)	Lanthanum (La)	*Sulphate (SO ₄)
Cerium (Ce)	Sodium (Na)	Strontium (Sr)
*Chlorine (Cl)	Neodymium (Nd)	Tellurium (Te)
Cyanide (CN)	Ammonia (NH ₃)	Thallium (Tl)
Cobalt (Co)	*Nickel (Ni)	*Total Organic Carbon (TOC)
Chromium ⁺³ (Cr ⁺³)	*Nitrite (NO ₂)	Uranium (U)
Chromium ⁺⁶ (Cr ⁺⁶)	*Nitrate (NO ₃)	Vanadium (V)

*Denotes chemical analytes added for TWRS Privatization Support Project

TABLE 3. List of Tanks in the Data Set

*241-AN-102	*241-AP-105
241-AN-104	*241-AW-101
241-AN-105	241-AW-103
241-AN-106	241-AW-105
*241-AN-107	*241-AZ-101
*241-AP-102	*241-AZ-102
241-AP-104	241-C-109

*Denotes tanks contained in the master data set and its subset

The following is a list and brief description of the six different sources of tank characterization and inventory estimate data used in compiling the data set.

Kaiser Data Set ("raw"):

Sample information from reports, memoranda, and letters found in the Tank Characterization Resource Center (TCRC). This information was entered into an electronic database (Paradox™).

Braun Data Set:

This data set was developed by Mr. D. J. Braun for safety analysis. The data set contains analytical data from the TCRC selected based on highest concentrations for fissile material and lowest for neutron poisons.

Wastren Data Set:

The Wastren data set (also known as the Van Vleet data set) is a compilation of sample information before 1990 prepared by Wastren, Inc., that attempted to select the highest, most recent sample information from the TCRC to calculate a tank waste inventory. The inventories for the tanks are documented in two reports: WHC-SD-WM-TI-543, Radionuclide and Chemical Inventories for the Double-Shell Tanks, and WHC-SD-WM-TI-565, Radionuclide and Chemical Inventories for the Single-Shell Tanks.

Tank Characterization Database:

Operated by PNNL, the TCD contains analytical results from Tank Characterization Reports (TCRs). This information is either received directly from the analytical laboratories or entered from the TCRs.

Historical Tank Content Estimate Inventory Data Set:

The HTCE documents provide historical evaluations of the mixed wastes stored in the Hanford Site 200 Areas underground single- and double-shell tanks. These estimates were derived by reviewing the process histories, process flow sheets, waste transfer data, and any available physical and

chemical characterization data from the various Department of Energy and Department of Defense contractors. This work is a compilation of efforts done in 1994 and 1995 by ICF KH, Los Alamos National Laboratory, and WHC.

Track Radioactive Components Data Set:

The TRAC system estimates the amounts of selected radionuclides and stable chemicals in the total waste management system and how they are distributed among the underground tanks. Input data are based upon historical records. Models of reactor, chemical process, and waste management were created. All computer codes except isotope generation and depletion were written within the scope of the project.

A series of four steps (described below) was completed to place the waste characterization information in a form suitable for review by the independent technical reviewers. Figure 1 is a graphical representation of the process and methodology used to produce the master data set, subset, and unreviewed data set. The remaining portion of the figure represents the iterative review process used to attain the subsets, how the data sets were derived, and where they are.

STEP 1. Extract Information

The STIV data set is organized by analyte and the TWRS Privatization Support Project required the data to be organized by tank. Therefore, the STIV data set needed to be reorganized to allow for the extraction of the necessary information. This was accomplished by taking the individual analyte and radionuclide files and converting from Excel™ format to dBASE 4™ format. Once in dBASE 4™ format, all files were added to form one large database table. This table was converted to Paradox™ 5.0, queried by tank and radionuclide or analyte for each of the 14 tanks, and exported to Excel™. The result was an Excel™ spreadsheet that contained either all of the analytes or all of the radionuclides contained in the STIV data set for each of the fourteen tanks (e.g., an AN-102 analyte file and an AN-102 radionuclide file).

STEP 2. Gather and Enter New Information

Since the analytes and radionuclides included in the STIV data set did not include all of the radionuclides and analytes required for the TWRS Privatization Support Project, the new ones needed to be gathered, entered, and checked. For the Braun, Wastren, TCD, TRAC, and HTCE Inventory data, the original electronic sources were revisited and the new radionuclide and analytes extracted and placed into Excel™ files. Also, for the TCD data, all information entered since October 1994 (date of our last data download) was downloaded and the necessary radionuclides and analytes for the specific fourteen tanks were removed and placed in Excel™ spreadsheets. For the Kaiser ("raw") data, the original documents were revisited and the additional analytes and radionuclides were entered by hand into Excel™ and checked for accuracy.

STEP 3. Integrate Information

The information gathered in Steps 1 and 2 was integrated into 28 Excel™ spreadsheet files (i.e., two files for each tank, one containing the chemical analytes and the other the radionuclides). These files were used to create the data tables.

STEP 4. Create Data Tables

Tables were created using the spreadsheets created in Step 3. Two tables were created for each tank, one containing the chemical analytes and the other containing the radionuclides. The tables were sorted by analyte (or radionuclide) with a secondary sort by value in descending order.

Figure 1: TWRS PSP Waste Characterization Database Development Methodology Roadmap

Upon completion of Step 4, the tables and plots were delivered to PNNL in draft form for review. The PNNL assembled a review team consisting of senior scientists from WHC, PNNL, Argonne National Laboratory, and LANL. From this review session, the number of tanks was narrowed from fourteen to seven. These tanks are denoted by the asterisk in Table 3.

Each tank was assigned to an independent technical review team member for review. The review process consisted of evaluating each data point for the major components and determining if it was valid waste characterization information. The major components were aluminum, chlorine, chromium, iron, potassium, sodium, nitrite, nitrate, hydroxide, phosphate, sulphate, total organic carbon, americium-241, cesium-137, neptunium-237, plutonium 239/240, strontium-90, and technetium-99. The rest of the analytes and radionuclides in the data set are considered nonmajor components. The reviewers would consult the original memorandum or report from which the data was extracted to make their decisions. All points considered not valid (see Assumptions for validity rules) were given a justification. At the completion of this task, all data points had a qualifier (only the initials are actually entered into the database):

- Y (Yes)
- N (No)
- NR (Not Reviewed)
- D (Duplicate) (a sample result that is already represented from another source).

The nonmajor components were reviewed for the highest value only; i.e., the highest value for that constituent was reviewed and, if it was deemed a valid point, no other points for that constituent were reviewed, if it was deemed invalid, the next highest point would be reviewed. This process would continue until a valid data point was found and the remaining points would receive an NR. Duplicate points were not included for statistical reasons.

Once the data tables (the master data set) had been completely reviewed, a subset was created. The subset consisted of only the data points labeled Y. The master set is contained in Appendix A and the subset in Appendix B. Minimum, maximum and best-estimate tables were created from the subsets. See the Technical Support Document for more information on the creation of these tables.

ASSUMPTIONS

The following rules were used to disqualify data during the review process.

- The value is a less-than (<) value. These values would be considered valid if no other data existed for that analyte or radionuclide.
- The value was a duplicate point.
- The value was a TRAC value. TRAC was not used for this project.
- The value was an HTCE Inventory value. HTCE Inventory data were used for comparison only.
- Braun data. The Braun database was not used.
- Wastren data. The Wastren data set was not used.
- The waste is no longer in the tank; the sample was taken before a large waste transfer.
- The laboratory reported matrix interference for that particular analyte.

- The value could not be traced back to a report or memorandum; reference unavailable.
- The value is from an evaporator feed sample.
- Miscellaneous problems with the sampling or analytical methods, based on chemical knowledge.

The following assumptions and/or rules were used in determining if a sample was solid or liquid.

Solids: Saltcake; sludge; composite; slurry; crust; potassium hydroxide (KOH) fusion; acid-washed, filtered, or centrifuged solids; and samples equal to or greater than 50 percent solids by volume.

Liquids: Supernate, filtrate, liquid/liquor, centrate, centrifuged decant, and samples with less than 50 percent solids by volume.

PARADOX™ DATABASE

The sample data subset information will be made available to the public through the Internet (http://twrs.pnl.gov:8001/twrs_rfp/homepage.htm). A Paradox™ runtime application database will contain all of the subset radionuclide and analyte information from the seven selected tanks, along with all of the references used. The application will allow the user to either view the information on-screen or export a query. The user can export either the radionuclide or analyte information for a specific tank, or for all tanks, while doing queries on the major column (field) headings. The on-screen view has the option of a record or spreadsheet view. The record view shows only one record (or entry) at a time, while the spreadsheet view shows multiple record entries at once. The subset data, in Excel™ format, is also available on the Internet. For more information, please contact Eric D. Johnson by cc:Mail, telephone [(509) 373-9542], or by e-mail (eric_d_johnson@rl.gov).

SUMMARY AND CONCLUSIONS

Of the original fourteen tanks, seven were selected for review: Tanks 241-AN-102 and -107; 241-AP-102 and -107; 241-AW-101; and 241-AZ-101 and -102. The waste characterization information gathered for these tanks was reviewed by an independent technical review team, and the valid data were extracted from the master data set. A subset of the master data set, comprising the valid data, can be found in Appendix B and in the TWRS Privatization Waste Characterization Database. From this subset, the technical reviewers selected minimum and maximum values and calculated or chose a best estimate for the major components (see Approach and Evaluation section). For the nonmajor components, only a maximum value was selected. The minimum, maximum, and best-estimate values were used in the development of concentration bands that will be a part of the draft request for proposal. The master set of data for the seven tanks specified in the Approach and Evaluation section can be found in Appendix A. The unreviewed data for the remaining seven tanks can be found in Appendix C. Reference tables for sample data contained in the master data set, a subset, and unreviewed data set can be found in Appendix D. These references apply only to data from the Kaiser ("raw") source. Some of these references were rejected by the independent technical reviewers because they did not contain valid waste characterization data.

When entering historical information from reports, letters, or memoranda, it is recommended that all available information be entered. To validate waste characterization information accurately, all available information about that sample should be gathered (e.g., sample location, sample depth, type of sample, percent water, percent solids, viscosity, pH). A consistent vocabulary and set of rules (or assumptions) need to be established early in the process. Time should be allowed throughout the project for the vocabulary and rules to be regularly updated. This will ensure that all reviewers are using the same process to validate data. In assembling the review team, it

is important to use experienced scientists and engineers that are familiar with the history of the Hanford processes, waste tanks, and the analytical procedures used in the laboratories. In developing an electronic application to control the sample data, knowing the limitations of the software is important. The amount of sample information available is quite large and some applications have limitations in the number of rows (e.g., Excel™ has a row limitation of 16,384).

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APPENDIX A

This appendix contains the radionuclide and chemical analyte data tables for the master data set. The master data set contains all waste characterization information collected for Tanks 241-AN-102, -AN-107, -AP-102, -AP-105, -AW-101, -AZ-101, and -AZ-102.

Table A-1 gives a brief description of the different fields in the data tables. Table A-2 lists the abbreviations used in the code field.

The abbreviations NA and NS will appear throughout the tables in any of the fields. They are defined as follows.

NA: Not Available. The information for that field was not given in the original report, memorandum, or letter.

NS: Not Searched For. The original report, memorandum, or letter was not searched for this information. This only applies for invalid or unreviewed data.

Table A-1: Descriptions of Data Table Fields (Columns)

COLUMN	DEFINITION
Reported Chemical/Radionuclide	The radionuclide or Chemical as it was reported in the original report
Memo Date	Date of the memorandum or report that value was taken from
Start Analysis Date	Start date for the sample analysis
Start Sample Date	Start date of the sampling event
Sample Number	Generic sample number
Tank Farm Number	Tank Farm assigned sample number
Lab Sample Number	Lab assigned sample number
Density (g/mL)	Density as reported, if no density assumed 1.6 for solids and 1.2 for liquids
Reported Value	The concentration as reported in the report
Reported Unit	The unit the concentration was reported in
Code	A code letter representing the type of sample
Source	Where the sample value originates from (i.e. Braun, Wastren, Raw, etc.)
Radionuclide/Analyte	The element or compound used
Conc. (ug/L or Bq/L)	The standard units values were converted to
Conc. (mol/L) or (Bq/L Decayed)	Molarity concentration, chemicals only; Decayed radionuclide value, decayed to 12/31/94, except ^{237}Np , $^{239/240}\text{Pu}$, and ^{90}Y
Conc. (Ci/L Decayed)	Decayed radionuclide value, see Conc. (Bq/L Decayed)
Reference Number	For Raw data points, a reference number that refers to the report or memorandum containing the data
Validated (Y/N)	Is the value valid yes, no, not reviewed, or duplicate
Notes	Reason for not validating the value, misc. Information

Table A-2: Definitions of Code Column Found in the Data Tables

CODE	DESCRIPTION	PHASE
A	Salts	S
B	Solids that have been centrifuged to remove water	S
C	Centrate; Liquid removed from solids by centrifugation	L
D	Suspended Solids	S
E	Solids that have been washed with water	S
F	Filtrate; solution used to wash solids	L
G	Sludge	S
I*	Composite; sample composed from more than one source	S
K	Saltcake	S
L**	Denotes samples are to be considered as liquids	L
O	Other (must be accompanied by a % solid)	S or L
P	Untreated supernatant samples	L
R	Slurry	S
S**	Denotes samples are to be considered as solids	S
T	Crust	S
U	Unknown	L
Y	Untreated sludge samples (e.g. cores)	S
-1***	Primary analysis result	S or L
-2***	Duplicate analysis result	S or L
-3***	Averaged value of primary and duplicate results	S or L

* Used in conjunction with other codes (e.g. BI denotes that a composite solid has been centrifuged to remove water).

** Used in a separate column (L/S) to denote whether samples are considered liquid or Solid. Not used in the code column.

*** Used in conjunction with other codes (e.g. P-3 denotes a supernatant sample that is an average of the primary and duplicate results).

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Am241	2/28/85	NA	NA	R3640	NA	NA	1.39	268	uCi/L	L	RAW
Am241	2/28/85	NA	NA	R3639	NA	NA	1.39	147.0	uCi/L	P	Raw
Am241	12/16/91	NA	8/1/91	NA	NA	NA	1.35	89.2	nCi/mL	P	Raw
Am241	8/1/91	NS	NS	NS	NS	NS	NS	NS	NS	P	Waste
C14	8/1/91	NS	NS	NS	NS	NS	NS	55500	Bq/L	P	Waste
C-14	12/16/91	NA	8/1/91	NA	NA	NA	1.35	0.00066	uCi/mL	P	Raw
Cm243/244	12/16/91	NA	8/1/91	NA	NA	NA	1.35	6.76	nCi/mL	P	Raw
Co60	2/28/85	NA	NA	R3640	NA	NA	1.39	635	uCi/L	L	RAW
Co60	2/28/85	NA	NA	R3639	NA	NA	1.39	551.0	uCi/L	P	Raw
Co60	12/16/91	NA	8/1/91	NA	NA	NA	1.35	0.135	uCi/g	P	Raw
Co60	8/1/91	NS	NS	NS	NS	NS	NS	NS	NS	P	Waste
Cs137	2/28/85	NA	NA	R3640	NA	NA	1.39	448000	uCi/L	L	RAW
Cs137	10/12/89	9/22/89	NA	R-5779	NA	NA	1.34	400000	uCi/L	P	Raw
¹³⁷ Cs	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	385000	uCi/L	L	Raw
¹³⁷ Cs	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	382000	uCi/L	L	Raw
¹³⁷ Cs	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	378000	uCi/L	L	Raw
Cs137	8/1/91	NS	NS	NS	NS	NS	NS	NS	NS	P	Waste
Cs137	2/28/85	NA	NA	R3639	NA	NA	1.39	310000	uCi/L	P	Raw
Cs137	12/16/91	NA	8/1/91	NA	NA	NA	1.35	195	uCi/g	P	Raw
Cs	NA	NA	NA	NA	NA	NA	1.27	0.2011	Ci/L	P	HTCE li
Eu154	8/1/91	NS	NS	NS	NS	NS	NS	NS	NS	P	Waste
Eu154	12/16/91	NA	8/1/91	NA	NA	NA	1.35	0.297	uCi/g	P	Raw
Pu239/240	12/16/91	NA	8/1/91	NA	NA	NA	1.35	70.3	nCi/mL	P	Raw
Pu239/240	8/1/91	NS	NS	NS	NS	NS	NS	NS	NS	P	Waste
Pu239/240	2/28/85	NA	NA	R3640	NA	NA	1.39	24.6	uCi/L	L	RAW
Pu239/240	2/28/85	NA	NA	R3639	NA	NA	1.39	13.8	uCi/L	P	Raw
Pu241	2/28/85	NA	NA	R3640	NA	NA	1.39	63.8	uCi/L	L	RAW
Pu241	2/28/85	NA	NA	R3639	NA	NA	1.39	18.0	uCi/L	P	Raw
Se-79	12/16/91	NA	8/1/91	NA	NA	NA	1.35	0.000167	uCi/mL	P	Raw
Sr90	2/28/85	NA	NA	R3639	NA	NA	1.39	124000	uCi/L	P	Raw
Sr89/90	8/1/91	NS	NS	NS	NS	NS	NS	NS	NS	P	Waste
Sr90	2/28/85	NA	NA	R3640	NA	NA	1.39	101000	uCi/L	L	RAW
⁹⁰ Sr	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	74300	uCi/L	L	Raw
⁹⁰ Sr	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	74250	uCi/L	L	Raw
⁹⁰ Sr	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	72500	uCi/L	L	Raw
Sr90	12/16/91	NA	8/1/91	NA	NA	NA	1.35	45.1	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Am241	9.92E+06	9.77E+06	2.64E-04	AN102-1	Y	Centrate data point, moved from solids table, changed code (S to L) and sample state (Solids to Centrate)
Am241	5.44E+06	5.35E+06	1.45E-04	AN102-1	Y	Supernate sample, new data (missed)
Am241	3.30E+06	3.28E+06	8.88E-05	AN102-5	Y	
Am241	3.30E+06	3.28E+06	8.86E-05	NA	N	Exclude, recomend to use the Raw data from 2/28/85 and 12/18/91 memo
C14	5.55E+04	5.55E+04	1.50E-06	NA	N	Exclude, Wastren Data
C14	2.44E+04	2.44E+04	6.60E-07	AN102-5	Y	Changed units uCi/g to uCi/mL and date 11/1/91 to 8/92
Cm243/244	2.50E+05	2.23E+05	6.02E-06	AN102-5	Y	Added, missed initially
Co60	2.35E+07	6.47E+06	1.75E-04	AN102-1	Y	Centrate data, changed code from P to L
Co60	2.04E+07	5.61E+06	1.52E-04	AN102-1	Y	Supernate sample, new data (missed)
Co60	6.74E+06	4.53E+06	1.22E-04	AN102-5	Y	Added, missed initially
Co60	5.85E+05	3.74E+05	1.01E-05	NA	N	Exclude, Wastren Data
Cs137	1.66E+10	1.32E+10	3.58E-01	AN102-1	Y	Centrate data point, moved from solids table, changed code (S to L) and sample state (Solids to Centrate)
Cs137	1.48E+10	1.31E+10	3.55E-01	AN102-6	N	Added, new report found, reference to unpublished data
Cs137	1.42E+10	1.42E+10	3.85E-01	AN102-6	Y	
Cs137	1.41E+10	1.41E+10	3.82E-01	AN102-6	Y	
Cs137	1.40E+10	1.40E+10	3.78E-01	AN102-6	Y	
Cs137	1.35E+10	1.25E+10	3.38E-01	NA	N	Exclude, Wastren used data from 2/28/85 and 12/18/91 memos. Need to use the original Raw data
Cs137	1.15E+10	9.15E+09	2.47E-01	AN102-1	Y	Supernate sample, new data (missed)
Cs137	9.74E+09	9.08E+09	2.45E-01	AN102-5	Y	Added, missed initially
Cs137	7.44E+09	7.44E+09	2.01E-01	NA	N	HTCE Data
Eu154	5.78E+07	4.41E+07	1.19E-03	NA	N	Exclude, Wastren Data
Eu154	1.48E+07	1.17E+07	3.15E-04	AN102-5	Y	Added, missed initially
Pu239/240	2.60E+06	2.60E+06	7.03E-05	AN102-5	Y	Added, missed initially
Pu239/240	2.60E+06	2.60E+06	7.03E-05	NA	N	Exclude, Wastren used data from 2/28/85 and 12/18/91 memos. Need to use the original Raw data
Pu239/240	9.10E+05	9.10E+05	2.46E-05	AN102-1	Y	Centrate data point, moved from solids table, changed code (S to L) and sample state (Solids to Centrate)
Pu239/240	5.11E+05	5.11E+05	1.38E-05	AN102-1	Y	Supernate sample, new data (missed)
Pu241	2.36E+06	1.47E+06	3.98E-05	AN102-1	Y	Centrate data point, moved from solids table, changed code (S to L) and sample state (Solids to Centrate)
Pu241	6.66E+05	4.15E+05	1.12E-05	AN102-1	Y	Supernate sample, new data (missed)
Se79	6.18E+03	6.18E+03	1.67E-07	AN102-5	Y	Changed units uCi/g to uCi/mL and date 11/1/91 to 8/93
Sr89/90	4.59E+09	3.62E+09	9.79E-02	AN102-1	Y	Supernate sample, new data (missed)
Sr89/90	4.33E+09	3.99E+09	1.08E-01	NA	N	Exclude, Wastren used data from 2/28/85 and 12/18/91 memos. Need to use the original Raw data
Sr89/90	3.74E+09	2.95E+09	7.98E-02	AN102-1	Y	Centrate data point, moved from solids table, changed code (S to L) and sample state (Solids to Centrate)
Sr89/90	2.75E+09	2.75E+09	7.43E-02	AN102-6	Y	
Sr89/90	2.75E+09	2.75E+09	7.42E-02	AN102-6	Y	
Sr89/90	2.68E+09	2.68E+09	7.25E-02	AN102-6	Y	
Sr89/90	1.67E+09	1.55E+09	4.19E-02	AN102-5	Y	

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Sour
Sr	NA	NA	NA	NA	NA	NA	1.27	0.0095	Ci/L	P	HTCE
Tc99	8/1/91	NS	NS	NS	NS	NS	NS	11400000	Bq/L	P	Wastr
Tc-99	12/16/91	NA	8/1/91	NA	NA	NA	1.35	0.0296	uCi/mL	P	Rav

Waste Characterization Database
r Tank 241-AN-102

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Sr89/90	3.52E+08	3.52E+08	9.50E-03	NA	N	HTCE Data
Tc99	1.14E+07	1.14E+07	3.08E-04	NA	N	Exclude, Wastren used data from 2/28/85 and 12/18/91 memos. Need to use the original Raw data, this data is missing
Tc99	1.10E+06	1.10E+06	2.96E-05	AN102-5	Y	Changed units uCi/g to uCi/mL and date 11/1/91 to 8/91

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Con
Am-241	2/28/85	NS	NS	R-3638	NS	NS	1.35	875	uCi/l	L
Am-241	2/28/85	NA	NA	R-3638	NA	NA	1.35	875	uCi/l	L
Am-241	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	757	uCi/l	P
Am241	3/7/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Am241	8/10/94	NA	2/7/93	R3155	NA	NA	1.38	0.66	uCi/mL	P
Am241	8/10/94	NA	2/7/93	R2686	NA	NA	1.41	0.66	uCi/mL	P
Am241	8/10/94	NA	2/7/93	R3154	NA	NA	1.40	0.58	uCi/mL	P
Am-241	2/28/85	NA	NA	R-3637	NA	NA	1.41	135	uCi/l	P
Am-241	2/28/85	NA	NA	R-3637	NA	NA	1.41	130	uCi/l	P
Am-241	2/28/85	NS	NS	R-3637	NS	NS	1.41	130	uCi/l	P
Am-241	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	111	uCi/l	P
Am-241	2/28/85	NA	NA	R-3637	NA	NA	1.41	111	uCi/l	P
C14	2/1/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Cm-244	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	5	uCi/l	P
Cm244	3/8/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Co-60	2/28/85	NS	NS	R-3637	NS	NS	1.41	859	uCi/l	P
Co-60	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	859	uCi/l	P
Co60	3/1/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Co-60	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	847	uCi/l	P
Cs-137	2/28/85	NS	NS	R-3637	NS	NS	1.41	450000	uCi/l	P
Cs-137	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	450000	uCi/l	P
Cs-137	2/28/85	NA	NA	R-3637	NA	NA	1.35	450000	uCi/l	L
Cs-137	2/28/85	NA	NA	R-3638	NA	NA	1.35	376000	uCi/l	P
Cs-137	2/28/85	NS	NS	R-3638	NS	NS	1.35	376000	uCi/l	L
Cs	NA	NA	NA	NA	NA	NA	1.43	358993.9911	uCi/L	
Cs137	3/3/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Cs-137	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	355000	uCi/l	P
Cs137	8/10/94	NA	2/7/93	R2686	NA	NA	1.41	302	uCi/mL	P
Cs137	8/10/94	NA	2/7/93	R3154	NA	NA	1.4	259	uCi/mL	P
Cs137	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	197	uCi/mL	P
Eu154	2/28/85	NS	NS	R-3637	NS	NS	1.41	2690	uCi/l	P
Eu154	3/6/85	NS	NS	RAT-AN107-1A	NS	NS		2690	uCi/l	P
Eu154	3/4/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Eu154	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	2610	uCi/l	P
Np237	8/10/94	NA	2/7/93	R3154	NA	NA	1.40	<0.0005	uCi/mL	P
Np237	8/10/94	NA	2/7/93	R2686	NA	NA	1.41	<0.0005	uCi/mL	P
Np237	8/10/94	NA	2/7/93	R3155	NA	NA	1.38	0.0009	uCi/mL	P
Pu-239/240	2/28/85	NA	NA	R-3638	NA	NA	1.35	122	uCi/l	P
Pu-239/240	2/28/85	NS	NS	R-3638	NS	NS	1.35	122	uCi/l	L
Pu-239/240	2/28/85	NS	NS	R-3637	NS	NS	1.41	108	uCi/l	P
Pu-239/240	2/28/85	NA	NA	R-3637	NA	NA	1.41	108	uCi/l	P
Pu239/240	3/1/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Pu-239/240	2/28/85	NA	NA	R-3637	NA	NA	1.41	89	uCi/l	L
Pu-239/240	2/28/85	NA	NA	R-3638	NA	NA	1.35	86	uCi/l	L
Pu239/240	8/10/94	NA	2/7/93	R2686	NA	NA	1.41	0.035	uCi/mL	P
Pu239/240	8/10/94	NA	2/7/93	R3155	NA	NA	1.38	0.034	uCi/mL	P
Pu239/240	8/10/94	NA	2/7/93	R3154	NA	NA	1.40	0.033	uCi/mL	P
Pu-241	2/28/85	NS	NS	R-3637	NS	NS	1.41	740	uCi/l	P
Pu241	3/6/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Pu-241	2/28/85	NA	NA	R-3637	NA	NA	1.41	740	uCi/l	P

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Braun	Am241	3.24E+07	3.19E+07	8.62E-04	NA	N	Duplicate of Raw R3638
Raw	Am241	3.24E+07	3.19E+07	8.61E-04	AN-107-3	Y	
Braun	Am241	2.80E+07	2.76E+07	7.46E-04	NA	N	Braun data ignored
Wastren	Am241	2.80E+07	2.76E+07	7.46E-04	NA	N	Duplicate of Braun RAT-AN107-1B
RAW	Am241	2.44E+07	2.44E+07	6.60E-04	AN107-8	Y	Added, missed initially
RAW	Am241	2.44E+07	2.44E+07	6.60E-04	AN107-8	Y	Added, missed initially
RAW	Am241	2.15E+07	2.14E+07	5.80E-04	AN107-8	Y	Added, missed initially
Raw	Am241	5.00E+06	4.92E+06	1.33E-04	AN-107-3	Y	From Analytical Process Development Unit
Raw	Am241	4.81E+06	4.73E+06	1.28E-04	AN-107-3	Y	From Analytical Process Development Unit
Braun	Am241	4.81E+06	4.73E+06	1.28E-04	NA	N	Braun data ignored
Braun	Am241	4.11E+06	4.04E+06	1.09E-04	NA	N	Braun data ignored
Raw	Am241	4.11E+06	4.04E+06	1.09E-04	AN-107-3	Y	
Wastren	C14	3.13E+07	3.13E+07	8.45E-04		N	Wastren data ignored
Braun	Cm243/244	1.85E+05	1.27E+05	3.43E-06	NA	N	Braun data ignored
Wastren	Cm243/244	1.85E+05	1.27E+05	3.43E-06	NA	N	Duplicate of Braun RAT-AN107-1B
Braun	Co60	3.18E+07	8.75E+06	2.36E-04	NA	N	Braun data ignored
Braun	Co60	3.18E+07	8.77E+06	2.37E-04	NA	N	Braun data ignored
Wastren	Co60	3.13E+07	8.65E+06	2.34E-04	NA	N	Duplicate of Braun RAT-AN107-1B
Braun	Co60	3.13E+07	8.65E+06	2.34E-04	NA	N	Braun data ignored
Braun	Cs137	1.67E+10	1.33E+10	3.59E-01	NA	N	Duplicate of Raw R3637
Braun	Cs137	1.67E+10	1.33E+10	3.59E-01	NA	N	Braun data ignored
Raw	Cs137	1.67E+10	1.33E+10	3.59E-01	AN-107-3	Y	
Raw	Cs137	1.39E+10	1.11E+10	3.00E-01	AN-107-3	Y	
Braun	Cs137	1.39E+10	1.11E+10	3.00E-01	NA	N	Duplicate of Raw R3638
HTCE Inv.	Cs137	1.33E+10	1.33E+10	3.59E-01	NA	N	HTCE Data; Units changed to uCi/L
Wastren	Cs137	1.31E+10	1.04E+10	2.81E-01	NA	N	Duplicate of Braun RAT-AN107-1B
Braun	Cs137	1.31E+10	1.05E+10	2.84E-01	NA	N	Braun data ignored
RAW	Cs137	1.12E+10	1.11E+10	2.99E-01	AN107-8	Y	Added, missed initially
RAW	Cs137	9.58E+09	9.50E+09	2.57E-01	AN107-8	Y	Added, missed initially
RAW	Cs137	7.29E+09	7.22E+09	1.95E-01	AN107-8	Y	Added, missed initially
Braun	Eu154	9.95E+07	4.57E+07	1.24E-03	NA	N	Braun data ignored
Braun	Eu154	9.95E+07	4.58E+07	1.24E-03	NA	N	Braun data ignored
Wastren	Eu154	9.66E+07	4.44E+07	1.20E-03	NA	N	Duplicate of Braun RAT-AN107-1B
Braun	Eu154	9.66E+07	4.44E+07	1.20E-03	NA	N	Braun data ignored
RAW	Np237	#VALUE!	#VALUE!	#VALUE!	AN107-8	Y	Added, missed initially, < value
RAW	Np237	#VALUE!	#VALUE!	#VALUE!	AN107-8	Y	Added, missed initially, < value
RAW	Np237	3.33E+04	3.33E+04	9.00E-07	AN107-8	Y	Added, missed initially
Raw	Pu239/240	4.51E+06	4.51E+06	1.22E-04	AN-107-3	Y	
Braun	Pu239/240	4.51E+06	4.51E+06	1.22E-04	NA	N	Duplicate of Raw R3638
Braun	Pu239/240	4.00E+06	4.00E+06	1.08E-04	NA	N	Duplicate of Raw R3637
Raw	Pu239/240	4.00E+06	4.00E+06	1.08E-04	AN-107-3	Y	
Wastren	Pu239/240	3.70E+06	3.70E+06	1.00E-04	NA	N	No Raw data to back up
Raw	Pu239/240	3.29E+06	3.29E+06	8.90E-05	AN-107-3	Y	From Analytical Process Development Unit
Raw	Pu239/240	3.18E+06	3.18E+06	8.60E-05	AN-107-3	Y	From Analytical Process Development Unit
RAW	Pu239/240	1.30E+06	1.30E+06	3.50E-05	AN107-8	Y	Added, missed initially
RAW	Pu239/240	1.26E+06	1.26E+06	3.40E-05	AN107-8	Y	Added, missed initially
RAW	Pu239/240	1.22E+06	1.22E+06	3.30E-05	AN107-8	Y	Added, missed initially
Braun	Pu241	2.74E+07	1.71E+07	4.62E-04	NA	N	Duplicate of Raw R3637
Wastren	Pu241	2.74E+07	1.71E+07	4.62E-04	NA	N	Duplicate of Raw R3637
Raw	Pu241	2.74E+07	1.71E+07	4.61E-04	AN-107-3	Y	From Analytical Process Development Unit

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Co
Pu-241	2/28/85	NA	NA	R-3638	NA	NA	1.35	330	uCi/l	L
Pu-241	2/28/85	NS	NS	R-3638	NS	NS	1.35	330	uCi/l	L
Sr-89/90	2/28/85	NS	NS	R-3638	NS	NS	1.35	164000	uCi/l	L
Sr89/90	2/28/85	NA	NA	R-3638	NA	NA	1.35	164000	uCi/l	L
Sr-89/90	2/28/85	NS	NS	R-3637	NS	NS	1.41	148000	uCi/l	F
Sr89/90	3/2/85	NS	NS	NS	NS	NS	NS	NS	NS	F
Sr89/90	2/28/85	NA	NA	R-3637	NA	NA	1.41	148000	uCi/l	P
Sr90	8/10/94	NA	2/7/93	R3155	NA	NA	1.38	137	uCi/L	P
Sr90	8/10/94	NA	2/7/93	R3155	NA	NA	1.38	98700	uCi/L	P
Sr	NA	NA	NA	NA	NA	NA	1.43	11001	uCi/L	L
Sr90	8/10/94	NA	2/7/93	R3154	NA	NA	1.40	88.9	uCi/mL	P
Sr90	8/10/94	NA	2/7/93	R2686	NA	NA	1.41	91.5	uCi/mL	P

Vaste Characterization Database
Tank 241-AN-107

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Raw	Pu241	1.22E+07	7.61E+06	2.06E-04	AN-107-3	Y	From Analytical Process Development Unit
Braun	Pu241	1.22E+07	7.61E+06	2.06E-04	NA	N	Duplicate of Raw R3638
Braun	Sr89/90	6.07E+09	4.79E+09	1.29E-01	NA	N	Duplicate of Raw R3638
Raw	Sr89/90	6.07E+09	4.79E+09	1.29E-01	AN-107-3	Y	
Braun	Sr89/90	5.48E+09	4.32E+09	1.17E-01	NA	N	Duplicate of Raw R3637
Wastren	Sr89/90	5.48E+09	4.33E+09	1.17E-01	NA	N	Duplicate of Raw R3637
Raw	Sr89/90	5.48E+09	4.32E+09	1.17E-01	AN-107-3	Y	
RAW	Sr89/90	5.07E+09	5.07E+09	1.37E-01	AN107-8	N	Units changed to uCi/L / Can't find
RAW	Sr89/90	3.66E+09	3.50E+09	9.46E-02	AN107-8	Y	Units changed to uCi/L
HTCE Inv.	Sr89/90	4.07E+08	4.07E+08	1.10E-02	NA	N	HTCE Data; Units changed to uCi/L
RAW	Sr89/91	3.29E+09	3.26E+09	8.81E-02	AN107-8	Y	Added, missed initially
RAW	Sr89/92	3.39E+09	3.35E+09	9.06E-02	AN107-8	Y	Added, missed initially

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Am241	6/1/90	4/30/89	4/27/89	BOB2M2	G309	G358	1.20	9.83E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M3	G311	G359	1.20	8.59E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M2	G309	G358	1.20	7.14E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2N4	G323	G341	1.20	6.69E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M3	G311	G359	1.20	5.79E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2L9	G305	G349	1.20	5.27E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M1	G308	G353	1.20	5.01E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2T9	G327	G470*	1.19	4.88E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M0	G306	G352	1.20	4.84E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M1	G308	G353	1.20	4.76E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M6	G318	G459	1.20	4.50E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2N4	G323	G341	1.20	4.49E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2T9	G327	G443	1.20	4.39E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M0	G306	G352	1.20	4.32E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M6	G318	G459	1.20	4.26E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2L9	G305	G349	1.20	4.25E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M9	G302	G477*	1.20	4.12E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2M7	G319	G460	1.20	4.08E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2N4	G323	G341	1.20	3.89E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	BOB2T9	G327	G443	1.20	3.79E-04	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Am241	3.64E+04	3.63E+04	9.80E-07	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Am241	3.18E+04	3.17E+04	8.57E-07	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Am241	2.64E+04	2.63E+04	7.12E-07	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Am241	2.48E+04	2.47E+04	6.67E-07	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Am241	2.14E+04	2.14E+04	5.77E-07	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Am241	1.95E+04	1.94E+04	5.26E-07	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Am241	1.85E+04	1.85E+04	5.00E-07	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Am241	1.81E+04	1.80E+04	4.87E-07	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Am241	1.79E+04	1.79E+04	4.83E-07	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Am241	1.76E+04	1.76E+04	4.75E-07	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Am241	1.67E+04	1.66E+04	4.49E-07	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Am241	1.66E+04	1.66E+04	4.48E-07	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Am241	1.62E+04	1.62E+04	4.38E-07	AP102-3	Y	Density reported for G443 represents a composite sample
Am241	1.60E+04	1.59E+04	4.31E-07	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Am241	1.58E+04	1.57E+04	4.25E-07	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Am241	1.57E+04	1.57E+04	4.24E-07	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Am241	1.52E+04	1.52E+04	4.11E-07	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Am241	1.51E+04	1.51E+04	4.07E-07	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Am241	1.44E+04	1.44E+04	3.88E-07	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Am241	1.40E+04	1.40E+04	3.78E-07	AP102-3	Y	Density reported for G443 represents a composite sample

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Am241	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	3.73E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	3.72E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	3.69E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	3.64E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	3.51E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	3.40E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	3.35E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	3.28E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	3.28E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	3.23E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	3.18E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	3.06E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	2.91E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	2.86E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	2.86E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	2.71E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	2.59E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	2.57E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	2.49E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	2.33E-04	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Am241	1.38E+04	1.38E+04	3.72E-07	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Am241	1.38E+04	1.37E+04	3.71E-07	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Am241	1.37E+04	1.36E+04	3.68E-07	AP102-3	Y	Density reported for G443 represents a composite sample
Am241	1.35E+04	1.34E+04	3.63E-07	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Am241	1.30E+04	1.30E+04	3.50E-07	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Am241	1.26E+04	1.25E+04	3.39E-07	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Am241	1.24E+04	1.24E+04	3.34E-07	AP102-3	Y	Density reported for G443 represents a composite sample
Am241	1.21E+04	1.21E+04	3.27E-07	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Am241	1.21E+04	1.21E+04	3.27E-07	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Am241	1.20E+04	1.19E+04	3.22E-07	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Am241	1.18E+04	1.17E+04	3.17E-07	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Am241	1.13E+04	1.13E+04	3.05E-07	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Am241	1.08E+04	1.07E+04	2.90E-07	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Am241	1.06E+04	1.06E+04	2.85E-07	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Am241	1.06E+04	1.06E+04	2.85E-07	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Am241	1.00E+04	1.00E+04	2.70E-07	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Am241	9.58E+03	9.56E+03	2.58E-07	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Am241	9.51E+03	9.48E+03	2.56E-07	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Am241	9.21E+03	9.19E+03	2.48E-07	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Am241	8.62E+03	8.60E+03	2.32E-07	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Am241	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	2.26E-04	uCi/mL	P	Raw
Am241	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	2.11E-04	uCi/mL	P	Raw
Am241	4/30/84	NS	NS	NS	NS	NS	NS	NS	NS	P	Wastrel
Am241	5/17/84	NS	NS	R8473	NS	NS	NS	7.44E-03	uCi/L	P	RAW
Am241	5/17/84	NS	NS	R8471	NS	NS	NS	4.14E-03	uCi/L	P	RAW
Am241	5/17/84	NS	NS	R8469	NS	NS	NS	1.03E-03	uCi/L	P	RAW
Am241	5/17/84	NS	NS	R8472	NS	NS	NS	9.12E-04	uCi/L	P	RAW
Am241	5/17/84	NS	NS	W1549	NS	NS	NS	7.84E-04	uCi/L	L	RAW
Am241	5/17/84	NS	NS	R8469	NS	NS	NS	1.03E-04	uCi/L	L	RAW
C14	4/30/84	NS	NS	NS	NS	NS	NS	2.35E+05	Bq/L	P	Wastrel
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	7.38E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	7.17E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	5.61E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	5.61E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	5.55E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	5.44E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	5.39E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	5.39E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	5.36E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	5.22E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	5.21E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	5.21E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	5.20E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	5.20E-04	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Am241	8.36E+03	8.34E+03	2.25E-07	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Am241	7.81E+03	7.79E+03	2.10E-07	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Am241	2.75E+02	2.72E+02	7.35E-09	NA	N	No Reference
Am241	2.75E+02	2.72E+02	7.35E-09	AP102-1	N	Outdated Information
Am241	1.53E+02	1.52E+02	4.11E-09	AP102-1	N	Outdated Information
Am241	3.81E+01	3.77E+01	1.02E-09	AP102-1	N	Outdated Information
Am241	3.37E+01	3.34E+01	9.03E-10	AP102-1	N	Outdated Information
Am241	2.90E+01	2.87E+01	7.76E-10	AP102-1	N	Outdated Information
Am241	3.81E+00	3.77E+00	1.02E-10	AP102-1	N	Outdated Information
C14	2.35E+05	2.35E+05	6.34E-06	NA	N	No Reference
C14	2.73E+04	2.73E+04	7.38E-07	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	2.65E+04	2.65E+04	7.17E-07	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
C14	2.08E+04	2.08E+04	5.61E-07	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
C14	2.08E+04	2.08E+04	5.61E-07	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
C14	2.05E+04	2.05E+04	5.55E-07	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	2.01E+04	2.01E+04	5.44E-07	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
C14	1.99E+04	1.99E+04	5.39E-07	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.99E+04	1.99E+04	5.39E-07	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
C14	1.98E+04	1.98E+04	5.36E-07	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
C14	1.93E+04	1.93E+04	5.22E-07	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.93E+04	1.93E+04	5.21E-07	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.93E+04	1.93E+04	5.21E-07	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
C14	1.92E+04	1.92E+04	5.20E-07	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.92E+04	1.92E+04	5.20E-07	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	5.18E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	5.18E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	5.16E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	5.14E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	5.12E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	5.07E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	5.05E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	5.04E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	5.03E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	5.01E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	4.99E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	4.98E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	4.91E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	4.91E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	4.88E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	4.83E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	4.81E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	4.80E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	4.77E-04	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
C14	1.92E+04	1.92E+04	5.18E-07	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.92E+04	1.92E+04	5.18E-07	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.91E+04	1.91E+04	5.16E-07	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
C14	1.90E+04	1.90E+04	5.14E-07	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.89E+04	1.89E+04	5.12E-07	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.88E+04	1.88E+04	5.07E-07	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.87E+04	1.87E+04	5.05E-07	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was kept heated to 40° C.
C14	1.86E+04	1.86E+04	5.04E-07	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.86E+04	1.86E+04	5.03E-07	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
C14	1.85E+04	1.85E+04	5.01E-07	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
C14	1.85E+04	1.85E+04	4.99E-07	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.84E+04	1.84E+04	4.98E-07	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
C14	1.82E+04	1.82E+04	4.91E-07	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was kept heated to 40° C.
C14	1.82E+04	1.82E+04	4.91E-07	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.81E+04	1.81E+04	4.88E-07	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was kept heated to 40° C.
C14	1.79E+04	1.79E+04	4.83E-07	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.78E+04	1.78E+04	4.81E-07	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.78E+04	1.78E+04	4.80E-07	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.76E+04	1.76E+04	4.77E-07	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	4.75E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	4.74E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	4.72E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	4.71E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	4.71E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	4.59E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	4.59E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	4.44E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	4.37E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	4.31E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	4.28E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	4.17E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	4.16E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	4.08E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	4.02E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	3.93E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	3.90E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	3.83E-04	uCi/mL	P	Raw
Carbon-14	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	3.14E-04	uCi/mL	P	Raw
Cm244	4/30/84	NS	NS	NS	NS	NS	NS	NS	NS	P	Wastren

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
C14	1.76E+04	1.76E+04	4.75E-07	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
C14	1.75E+04	1.75E+04	4.74E-07	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.75E+04	1.75E+04	4.72E-07	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
C14	1.74E+04	1.74E+04	4.71E-07	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
C14	1.74E+04	1.74E+04	4.71E-07	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
C14	1.70E+04	1.70E+04	4.59E-07	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.70E+04	1.70E+04	4.59E-07	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
C14	1.64E+04	1.64E+04	4.44E-07	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
C14	1.62E+04	1.62E+04	4.37E-07	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.59E+04	1.59E+04	4.31E-07	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.58E+04	1.58E+04	4.28E-07	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.54E+04	1.54E+04	4.17E-07	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.54E+04	1.54E+04	4.16E-07	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
C14	1.51E+04	1.51E+04	4.08E-07	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
C14	1.49E+04	1.49E+04	4.02E-07	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
C14	1.45E+04	1.45E+04	3.93E-07	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
C14	1.44E+04	1.44E+04	3.90E-07	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
C14	1.42E+04	1.42E+04	3.83E-07	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
C14	1.16E+04	1.16E+04	3.14E-07	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cm243/244	1.35E+03	1.05E+03	2.84E-08	NA	N	No Reference

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Cm243/244	5/17/84	NS	NS	R8471	NS	NS	NS	3.66E-02	uCi/L	P	RAW
Cm243/244	5/17/84	NS	NS	R8472	NS	NS	NS	7.53E-03	uCi/L	P	RAW
Cm243/244	5/17/84	NS	NS	R8473	NS	NS	NS	4.14E-03	uCi/L	P	RAW
Cm243/244	5/17/84	NS	NS	R8469	NS	NS	NS	3.27E-03	uCi/L	P	RAW
Cm243/244	5/17/84	NS	NS	R8469	NS	NS	NS	3.27E-03	uCi/L	L	RAW
Cm243/244	5/17/84	NS	NS	W1549	NS	NS	NS	1.10E-03	uCi/L	L	RAW
Cm244	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	<6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	<2.55E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	<2.55E-05	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Cm243/244	1.35E+03	1.05E+03	2.84E-08	AP102-1	N	Outdated Information
Cm243/244	2.79E+02	2.17E+02	5.86E-09	AP102-1	N	Outdated Information
Cm243/244	1.53E+02	1.19E+02	3.22E-09	AP102-1	N	Outdated Information
Cm243/244	1.21E+02	9.41E+01	2.54E-09	AP102-1	N	Outdated Information
Cm243/244	1.21E+02	9.41E+01	2.54E-09	AP102-1	N	Outdated Information
Cm243/244	4.07E+01	3.16E+01	8.54E-10	AP102-1	N	Outdated Information
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
Cm244	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Cm244	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	6.37E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	4.67E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	4.20E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	2.96E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	2.95E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	2.89E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	2.79E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	2.70E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	2.66E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	2.43E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	2.02E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	1.75E-05	uCi/mL	P	Raw
Cm244	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	1.75E-05	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	<5.31E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	<4.60E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	<4.47E-02	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Cm244	2.36E+03	2.21E+03	5.97E-08	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cm244	2.36E+03	2.21E+03	5.97E-08	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cm244	2.36E+03	2.21E+03	5.97E-08	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cm244	2.36E+03	2.21E+03	5.97E-08	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cm244	1.73E+03	1.62E+03	4.38E-08	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Cm244	1.55E+03	1.46E+03	3.94E-08	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Cm244	1.10E+03	1.03E+03	2.78E-08	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Cm244	1.09E+03	1.02E+03	2.77E-08	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cm244	1.07E+03	1.00E+03	2.71E-08	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cm244	1.03E+03	9.68E+02	2.62E-08	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cm244	9.99E+02	9.37E+02	2.53E-08	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Cm244	9.84E+02	9.23E+02	2.49E-08	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cm244	8.99E+02	8.43E+02	2.28E-08	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Cm244	7.47E+02	7.01E+02	1.89E-08	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Cm244	6.48E+02	6.07E+02	1.64E-08	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Cm244	6.48E+02	6.07E+02	1.64E-08	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Co60	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	<4.19E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	<2.07E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	<1.97E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M8	G301	G449	NA	<1.81E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	<1.81E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	<1.75E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	<1.69E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	<1.69E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	<1.69E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<1.69E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	<1.69E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M8	G301	G449	NA	<1.63E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	<1.63E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	<1.63E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G450	1.20	<1.57E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	<1.57E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	<1.50E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G454	1.20	<1.38E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	<1.36E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	<1.35E-02	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G449. No assumptions could be made
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G449. No assumptions could be made
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Co60	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	<1.35E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	<1.35E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	<1.31E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<1.30E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	<1.30E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	<1.28E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	<1.23E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<1.23E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<1.23E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N3	G322	G338	NA	<1.23E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N0	G307	G453	NA	<1.17E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N0	G307	G453	NA	<1.17E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G454	1.20	<1.17E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	<1.15E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N3	G322	G338	NA	<1.15E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<1.12E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	<1.12E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N2	G317	G333	NA	<1.10E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	<1.10E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G450	1.20	<1.09E-02	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G338. No assumptions could be made
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G453. No assumptions could be made
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G453. No assumptions could be made
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G338. No assumptions could be made
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G333. No assumptions could be made
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Co60	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<1.08E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<1.08E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2N2	G317	G333	NA	<1.06E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	<1.01E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	<8.18E-03	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	8.09E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	7.49E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	6.84E-02	uCi/mL	P	Raw
Co60	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	6.29E-02	uCi/mL	P	Raw
Co60	5/17/84	NS	NS	R8473	NS	NS	NS	6.35E+00	uCi/L	P	RAW
Co60	5/17/84	NS	NS	R8472	NS	NS	NS	6.13E+00	uCi/L	P	RAW
Co60	5/17/84	NS	NS	R8469	NS	NS	NS	5.89E+00	uCi/L	P	RAW
Co60	5/17/84	NS	NS	R8471	NS	NS	NS	5.81E+00	uCi/L	P	RAW
Co60	4/30/84	NS	NS	NS	NS	NS	NS	NS	NS	P	Wastren
Cs137	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	2.42E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	2.41E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	2.38E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	2.37E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	2.36E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	2.36E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	2.35E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G450	1.20	2.35E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	2.35E+02	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G333. No assumptions could be made
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Co60	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	2.99E+06	2.40E+06	6.49E-05	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	2.77E+06	2.22E+06	6.01E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	2.53E+06	2.03E+06	5.49E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Co60	2.33E+06	1.87E+06	5.05E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Co60	2.35E+05	9.86E+04	2.66E-06	AP102-1	N	Outdated Information
Co60	2.27E+05	9.52E+04	2.57E-06	AP102-1	N	Outdated Information
Co60	2.18E+05	9.15E+04	2.47E-06	AP102-1	N	Outdated Information
Co60	2.15E+05	9.03E+04	2.44E-06	AP102-1	N	Outdated Information
Co60	1.26E+03	5.26E+02	1.42E-08	NA	N	No Reference
Cs137	8.95E+09	8.62E+09	2.33E-01	AP102-3	Y	Density reported for G443 represents a composite sample
Cs137	8.92E+09	8.58E+09	2.32E-01	AP102-3	Y	Density reported for G443 represents a composite sample
Cs137	8.81E+09	8.47E+09	2.29E-01	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cs137	8.77E+09	8.44E+09	2.28E-01	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cs137	8.73E+09	8.40E+09	2.27E-01	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cs137	8.73E+09	8.40E+09	2.27E-01	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Cs137	8.70E+09	8.37E+09	2.26E-01	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cs137	8.70E+09	8.37E+09	2.26E-01	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Cs137	8.70E+09	8.37E+09	2.26E-01	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Cs137	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	2.34E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N0	G307	G453	NA	2.33E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N0	G307	G453	NA	2.33E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	2.32E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	2.32E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M8	G301	G449	NA	2.30E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M8	G301	G449	NA	2.30E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G450	1.20	2.29E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G454	1.20	2.29E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	2.28E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	2.28E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G454	1.20	2.28E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N3	G322	G338	NA	2.27E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N3	G322	G338	NA	2.26E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	2.25E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	2.25E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	2.25E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	2.25E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	2.25E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N2	G317	G333	NA	2.25E+02	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Cs137	8.66E+09	8.33E+09	2.25E-01	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Cs137	8.62E+09	8.30E+09	2.24E-01	AP102-3	Y	Density not reported for G453. No assumptions could be made
Cs137	8.62E+09	8.30E+09	2.24E-01	AP102-3	Y	Density not reported for G453. No assumptions could be made
Cs137	8.58E+09	8.26E+09	2.23E-01	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cs137	8.58E+09	8.26E+09	2.23E-01	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cs137	8.51E+09	8.19E+09	2.21E-01	AP102-3	Y	Density not reported for G449. No assumptions could be made
Cs137	8.51E+09	8.19E+09	2.21E-01	AP102-3	Y	Density not reported for G449. No assumptions could be made
Cs137	8.47E+09	8.15E+09	2.20E-01	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Cs137	8.47E+09	8.15E+09	2.20E-01	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Cs137	8.44E+09	8.12E+09	2.19E-01	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cs137	8.44E+09	8.12E+09	2.19E-01	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cs137	8.44E+09	8.12E+09	2.19E-01	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Cs137	8.40E+09	8.08E+09	2.18E-01	AP102-3	Y	Density not reported for G338. No assumptions could be made
Cs137	8.36E+09	8.05E+09	2.17E-01	AP102-3	Y	Density not reported for G338. No assumptions could be made
Cs137	8.33E+09	8.01E+09	2.17E-01	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cs137	8.33E+09	8.01E+09	2.17E-01	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cs137	8.33E+09	8.01E+09	2.17E-01	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cs137	8.33E+09	8.01E+09	2.17E-01	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cs137	8.33E+09	8.01E+09	2.17E-01	AP102-3	Y	Density not reported for G333. No assumptions could be made

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Cs137	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	2.25E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	2.24E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N2	G317	G333	NA	2.24E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	2.24E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	2.23E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	2.22E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	2.22E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	2.22E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	2.20E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	2.19E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	2.17E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	2.17E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	2.17E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	2.16E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	2.16E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	2.15E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	2.15E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	2.15E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	2.15E+02	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Cs137	8.33E+09	8.01E+09	2.17E-01	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Cs137	8.29E+09	7.98E+09	2.16E-01	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cs137	8.29E+09	7.98E+09	2.16E-01	AP102-3	Y	Density not reported for G333. No assumptions could be made
Cs137	8.29E+09	7.98E+09	2.16E-01	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Cs137	8.25E+09	7.94E+09	2.15E-01	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cs137	8.21E+09	7.90E+09	2.14E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Cs137	8.21E+09	7.90E+09	2.14E-01	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cs137	8.21E+09	7.90E+09	2.14E-01	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cs137	8.14E+09	7.83E+09	2.12E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Cs137	8.10E+09	7.80E+09	2.11E-01	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cs137	8.03E+09	7.73E+09	2.09E-01	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Cs137	8.03E+09	7.73E+09	2.09E-01	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cs137	8.03E+09	7.73E+09	2.09E-01	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Cs137	7.99E+09	7.69E+09	2.08E-01	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cs137	7.99E+09	7.69E+09	2.08E-01	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cs137	7.96E+09	7.66E+09	2.07E-01	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Cs137	7.96E+09	7.66E+09	2.07E-01	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Cs137	7.96E+09	7.66E+09	2.07E-01	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cs137	7.96E+09	7.66E+09	2.07E-01	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Cs137	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	2.12E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	2.10E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	2.08E+02	uCi/mL	P	Raw
Cs137	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	2.03E+02	uCi/mL	P	Raw
Cs		4/89	4/27/89	NS	NS	NS	1.24	1.77E-01	Ci/L	L	HTCE Inv.
Cs137	4/30/84	NS	NS	NS	NS	NS	NS	NS	NS	P	Wastren
Cs137	5/17/84	NS	NS	R8472	NS	NS	NS	4.89E-01	uCi/L	P	RAW
Cs137	5/17/84	NS	NS	R8473	NS	NS	NS	4.83E-01	uCi/L	P	RAW
Cs137	5/17/84	NS	NS	R8469	NS	NS	NS	4.65E-01	uCi/L	P	RAW
Cs137	5/17/84	NS	NS	R8471	NS	NS	NS	4.43E-01	uCi/L	P	RAW
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	<5.33E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	<5.05E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	<4.91E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	<4.83E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	<4.78E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<4.73E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<4.73E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<4.70E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	<4.38E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	<3.71E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	<3.33E-05	uCi/mL	P	Raw
Iodine-129	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<6.44E-06	uCi/mL	P	Raw
Iodine-129	3/31/89	4/89	4/27/89	B0B2M9	G302	G477	1.20	5.49E-05	uCi/mL	P	TCD
Iodine-129	3/31/89	4/89	4/27/89	B0B2T9	G327	NS	NS	4.91E-05	uCi/mL	P	TCD
Iodine-129	3/31/89	4/89	4/27/89	B0B2T9	G327	NS	NS	4.78E-05	uCi/mL	P	TCD
Np237	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<4.65E-04	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Cs137	7.84E+09	7.55E+09	2.04E-01	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Cs137	7.77E+09	7.48E+09	2.02E-01	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Cs137	7.70E+09	7.41E+09	2.00E-01	AP102-3	Y	Density reported for G443 represents a composite sample
Cs137	7.51E+09	7.23E+09	1.95E-01	AP102-3	Y	Density reported for G443 represents a composite sample
Cs137	6.53E+09	6.53E+09	1.77E-01	NA	N	No Reference
Cs137	1.81E+04	1.55E+04	4.19E-07	NA	N	No Reference
Cs137	1.81E+04	1.55E+04	4.19E-07	AP102-1	N	Outdated Information
Cs137	1.79E+04	1.53E+04	4.14E-07	AP102-1	N	Outdated Information
Cs137	1.72E+04	1.48E+04	4.00E-07	AP102-1	N	Outdated Information
Cs137	1.64E+04	1.41E+04	3.81E-07	AP102-1	N	Outdated Information
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
I129	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
I129	2.03E+03	2.03E+03	5.49E-08	NA	N	THIS POINT NOT NEEDED FOR DATA BASE
I129	1.82E+03	1.82E+03	4.91E-08	NA	N	THIS POINT NOT NEEDED FOR DATA BASE
I129	1.77E+03	1.77E+03	4.78E-08	NA	N	THIS POINT NOT NEEDED FOR DATA BASE
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Np237	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<4.65E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	<4.64E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<4.64E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	<4.64E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	<4.32E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	<4.32E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	<4.32E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	<4.32E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	<4.32E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	<4.32E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	<3.98E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	<3.89E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	<3.89E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	<3.89E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	<3.89E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	<3.89E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	<3.89E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<3.89E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	<3.89E-04	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Np237	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	<3.89E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	<3.89E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	<3.46E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	<3.46E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<2.81E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<2.81E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<2.81E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	<2.81E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	<2.81E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	<2.81E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	<2.81E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	<2.81E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<2.18E-04	uCi/mL	P	Raw
Np237	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	1.00E-03	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<2.17E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<1.63E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<1.56E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	<1.50E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<1.42E-04	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Np237	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Np237	3.70E+04	3.70E+04	1.00E-06	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Pu238	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	<1.25E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<1.23E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	<1.22E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<1.14E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	<1.11E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	<1.08E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	<1.02E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	<1.01E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	<1.01E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	<1.01E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	<1.00E-04	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	<9.88E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	<9.87E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	<9.82E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	<9.75E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	<9.64E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	<9.50E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	<9.48E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	<9.40E-05	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Pu238	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	<9.34E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	<9.34E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	<9.11E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	<9.08E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	<9.06E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	<9.03E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	<8.99E-05	uCi/mL	P	Raw
Pu238	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	<8.80E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	<7.48E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	<7.44E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	<6.99E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	<6.96E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	<6.96E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	<6.90E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	<6.90E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	<6.89E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	<6.88E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	<6.88E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	<6.87E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	<6.86E-05	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Pu238	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	<6.86E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	<6.86E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<6.82E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	<6.81E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	<6.80E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	<6.79E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	<6.78E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<6.77E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	<6.77E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<6.74E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	<6.72E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	<6.72E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	<6.71E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	<6.70E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	<6.69E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	<6.69E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	<6.64E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	<6.64E-05	uCi/mL	P	Raw
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	<6.62E-05	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Pu239/240	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	<6.60E-05	uCi/mL	P	Raw
Sr		4/89	4/27/89	NS	NS	NS	1.24	5.16E-03	Ci/L	L	HTCE Inv
Sr90	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	1.75E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	1.64E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	1.61E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	1.59E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	1.58E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	1.53E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	1.52E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	1.49E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	1.48E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	1.47E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	1.47E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	1.46E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	1.46E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	1.45E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	1.45E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	1.44E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	1.43E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	1.43E+00	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Sr89/90	1.91E+08	1.91E+08	5.16E-03	NA	N	No Reference
Sr89/90	6.48E+07	6.22E+07	1.68E-03	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	6.07E+07	5.83E+07	1.58E-03	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.96E+07	5.72E+07	1.55E-03	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.88E+07	5.65E+07	1.53E-03	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.85E+07	5.62E+07	1.52E-03	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.66E+07	5.44E+07	1.47E-03	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.62E+07	5.40E+07	1.46E-03	AP102-3	Y	Density reported for G443 represents a composite sample
Sr89/90	5.51E+07	5.30E+07	1.43E-03	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.48E+07	5.26E+07	1.42E-03	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.44E+07	5.22E+07	1.41E-03	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.44E+07	5.22E+07	1.41E-03	AP102-3	Y	Density reported for G443 represents a composite sample
Sr89/90	5.40E+07	5.19E+07	1.40E-03	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.40E+07	5.19E+07	1.40E-03	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.37E+07	5.15E+07	1.39E-03	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.37E+07	5.15E+07	1.39E-03	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.33E+07	5.12E+07	1.38E-03	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.29E+07	5.08E+07	1.37E-03	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.29E+07	5.08E+07	1.37E-03	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Sr90	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	1.42E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	1.41E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	1.41E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	1.41E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	1.40E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	1.40E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	1.40E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	1.39E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	1.39E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	1.39E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	1.38E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	1.38E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	1.37E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	1.37E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	1.36E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	1.36E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	1.25E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	1.23E+00	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	1.10E+00	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Sr89/90	5.25E+07	5.05E+07	1.36E-03	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.22E+07	5.01E+07	1.35E-03	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.22E+07	5.01E+07	1.35E-03	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.22E+07	5.01E+07	1.35E-03	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.18E+07	4.98E+07	1.34E-03	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.18E+07	4.98E+07	1.34E-03	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.18E+07	4.98E+07	1.34E-03	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Sr89/90	5.14E+07	4.94E+07	1.34E-03	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.14E+07	4.94E+07	1.34E-03	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.14E+07	4.94E+07	1.34E-03	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.11E+07	4.90E+07	1.33E-03	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.11E+07	4.90E+07	1.33E-03	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Sr89/90	5.07E+07	4.87E+07	1.32E-03	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.07E+07	4.87E+07	1.32E-03	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.03E+07	4.83E+07	1.31E-03	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	5.03E+07	4.83E+07	1.31E-03	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Sr89/90	4.63E+07	4.44E+07	1.20E-03	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	4.55E+07	4.37E+07	1.18E-03	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Sr89/90	4.07E+07	3.91E+07	1.06E-03	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Sr90	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	8.34E-01	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	7.79E-01	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	7.78E-01	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	7.59E-01	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	7.54E-01	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	7.19E-01	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	7.00E-01	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	5.89E-01	uCi/mL	P	Raw
Sr90	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	5.77E-01	uCi/mL	P	Raw
Sr90	5/17/84	NS	NS	R8469	NS	NS	NS	3.41E-02	uCi/L	P	RAW
Sr90	5/17/84	NS	NS	R8472	NS	NS	NS	3.32E-02	uCi/L	P	RAW
Sr90	5/17/84	NS	NS	R8473	NS	NS	NS	3.22E-02	uCi/L	P	RAW
Sr90	5/17/84	NS	NS	R8471	NS	NS	NS	3.20E-02	uCi/L	P	RAW
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	1.02E-01	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	9.49E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	9.42E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	9.36E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	9.25E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	9.24E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	9.08E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	9.04E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	9.03E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	9.02E-02	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Sr89/90	3.09E+07	2.96E+07	8.01E-04	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Sr89/90	2.88E+07	2.77E+07	7.48E-04	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Sr89/90	2.88E+07	2.77E+07	7.47E-04	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Sr89/90	2.81E+07	2.70E+07	7.29E-04	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Sr89/90	2.79E+07	2.68E+07	7.24E-04	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Sr89/90	2.66E+07	2.56E+07	6.91E-04	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Sr89/90	2.59E+07	2.49E+07	6.72E-04	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Sr89/90	2.18E+07	2.09E+07	5.66E-04	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Sr89/90	2.13E+07	2.05E+07	5.54E-04	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Sr89/90	1.26E+03	1.08E+03	2.92E-08	AP102-1	N	Outdated Information
Sr89/90	1.23E+03	1.05E+03	2.84E-08	AP102-1	N	Outdated Information
Sr89/90	1.19E+03	1.02E+03	2.76E-08	AP102-1	N	Outdated Information
Sr89/90	1.18E+03	1.01E+03	2.73E-08	AP102-1	N	Outdated Information
Tc99	3.77E+06	3.77E+06	1.02E-04	AP102-3	Y	Density reported for G443 represents a composite sample
Tc99	3.51E+06	3.51E+06	9.49E-05	AP102-3	Y	Density reported for G443 represents a composite sample
Tc99	3.49E+06	3.49E+06	9.42E-05	AP102-3	Y	Density reported for G443 represents a composite sample
Tc99	3.46E+06	3.46E+06	9.36E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Tc99	3.42E+06	3.42E+06	9.25E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Tc99	3.42E+06	3.42E+06	9.24E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	3.36E+06	3.36E+06	9.08E-05	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Tc99	3.34E+06	3.34E+06	9.04E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	3.34E+06	3.34E+06	9.03E-05	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Tc99	3.34E+06	3.34E+06	9.02E-05	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G443	1.20	9.02E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	8.98E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	8.97E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	8.95E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	8.92E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G341	1.20	8.89E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	8.84E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2L9	G305	G349	1.20	8.77E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	8.76E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	8.75E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2L7	G299	G342	1.20	8.72E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2L8	G303	G348	1.21	8.71E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	8.71E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	8.59E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	8.57E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	8.55E-02	uCi/mL	P	Raw
Technetium-99	3/31/89	4/89	4/27/89	B0B2T9	G327	NS	NS	8.55E-02	uCi/mL	P	TCD
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	8.54E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	8.44E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	8.38E-02	uCi/mL	P	Raw
Technetium-99	3/31/89	4/89	4/27/89	B0B2T9	G327	NS	NS	8.38E-02	uCi/mL	P	TCD

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Tc99	3.34E+06	3.34E+06	9.02E-05	AP102-3	Y	Density reported for G443 represents a composite sample
Tc99	3.32E+06	3.32E+06	8.98E-05	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was kept heated to 40° C.
Tc99	3.32E+06	3.32E+06	8.97E-05	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Tc99	3.31E+06	3.31E+06	8.95E-05	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Tc99	3.30E+06	3.30E+06	8.92E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	3.29E+06	3.29E+06	8.89E-05	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
Tc99	3.27E+06	3.27E+06	8.84E-05	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Tc99	3.24E+06	3.24E+06	8.77E-05	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Tc99	3.24E+06	3.24E+06	8.76E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	3.24E+06	3.24E+06	8.75E-05	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was kept heated to 40° C.
Tc99	3.23E+06	3.23E+06	8.72E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Tc99	3.22E+06	3.22E+06	8.71E-05	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Tc99	3.22E+06	3.22E+06	8.71E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	3.18E+06	3.18E+06	8.59E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Tc99	3.17E+06	3.17E+06	8.57E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Tc99	3.16E+06	3.16E+06	8.55E-05	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Tc99	3.16E+06	3.16E+06	8.55E-05	NA	N	THIS POINT NOT NEEDED FOR DATA BASE
Tc99	3.16E+06	3.16E+06	8.54E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	3.12E+06	3.12E+06	8.44E-05	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	3.10E+06	3.10E+06	8.38E-05	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Tc99	3.10E+06	3.10E+06	8.38E-05	NA	N	THIS POINT NOT NEEDED FOR DATA BASE

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	Source
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	8.34E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M6	G318	G459	1.20	8.14E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	8.11E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M5	G315	G364	1.19	7.83E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M0	G306	G352	1.20	7.82E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M4	G313	G363	1.20	7.81E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	7.69E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2N1	G310	G471*	1.20	7.66E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M9	G302	G477*	1.20	7.59E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2N4	G323	G476*	1.21	6.99E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	6.97E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M7	G319	G460	1.20	6.84E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2T9	G327	G470*	1.19	6.39E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	2.39E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M3	G311	G359	1.20	2.19E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	1.72E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M2	G309	G358	1.20	1.70E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	1.40E-02	uCi/mL	P	Raw
Technetium-99	6/1/90	4/30/89	4/27/89	B0B2M1	G308	G353	1.20	1.27E-02	uCi/mL	P	Raw

Radionuclide Information						
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Tc99	3.09E+06	3.09E+06	8.34E-05	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Tc99	3.01E+06	3.01E+06	8.14E-05	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Tc99	3.00E+06	3.00E+06	8.11E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	2.90E+06	2.90E+06	7.83E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Tc99	2.89E+06	2.89E+06	7.82E-05	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
Tc99	2.89E+06	2.89E+06	7.81E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	2.85E+06	2.85E+06	7.69E-05	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	2.83E+06	2.83E+06	7.66E-05	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
Tc99	2.81E+06	2.81E+06	7.59E-05	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
Tc99	2.59E+06	2.59E+06	6.99E-05	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
Tc99	2.58E+06	2.58E+06	6.97E-05	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Tc99	2.53E+06	2.53E+06	6.84E-05	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
Tc99	2.36E+06	2.36E+06	6.39E-05	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
Tc99	8.84E+05	8.84E+05	2.39E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	8.10E+05	8.10E+05	2.19E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	6.36E+05	6.36E+05	1.72E-05	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	6.29E+05	6.29E+05	1.70E-05	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	5.18E+05	5.18E+05	1.40E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
Tc99	4.70E+05	4.70E+05	1.27E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Am241	5/10/94	NA	3/10/93	B08VX4	G238	G401	1.1	0.000602	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B08VX4	G238	G401	1.1	0.000512	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B083C9	G249	G418	1.3	0.000446	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B08VX1	G253	G392	1.34	0.000429	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B08VX7	G243	G409	1.298	0.000424	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B083D2	NA	G379	1.329	0.000415	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B083C8	G248	G417	1.327	0.000413	uCi/mL	L
Am241	5/10/94	NA	NA	NA	NA	NA	1.336	0.000408	uCi/mL	P
Am241	5/10/94	NA	3/10/93	B08VX8	G244	G412	1.377	0.000405	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B08VX6	G241	G407	1.3375	0.000394	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B08VX5	G240	G402	1.3375	0.000385	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B08VX0	G251	G391	1.345	0.000384	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B08VX3	G271	G397	1.3	0.000376	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B08VX2	G254	G396	1.2975	0.000365	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B08VX9	G245	G413	1.3335	0.00035	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B083D1	NA	G378	1.334	0.000348	uCi/mL	L
Am241	5/10/94	NA	3/10/93	NA	NA	G422	1.334	0.000302	uCi/mL	L
Am241	5/10/94	NA	3/10/93	B083D1	NA	G378	1.334	0.000264	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX5	G240	G402	1.339	0.000389	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX4	G238	G401	1.39	0.0002405	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX6	G241	G407	1.339	0.000234	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX8	G244	G412	1.379	0.000223	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX2	G254	G396	1.297	0.000219	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B083C9	G249	G418	1.301	0.000219	uCi/mL	L
C14	5/10/94	NS	3/10/93	NS	NS	NS	1.336	0.000217	uCi/mL	P
Carbon-14	5/10/94	NS	3/10/93	B08VX5	G240	G402		0.0002165	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX1	G253	G392		0.000216	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX3	G271	G397		0.000214	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX9	G245	G413	1.335	0.0002135	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX3	G271	G397	1.299	0.0002115	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX7	G243	G409		0.0002115	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX8	G244	G412		0.000211	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B083C8	G248	G417	1.328	0.0002095	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX0	G251	G391	1.35	0.0002085	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX1	G253	G392		0.0002065	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX8	G244	G412	1.375	0.000204	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX7	G243	G409	1.293	0.000201	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX2	G254	G396		0.0001935	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX0	G251	G391		0.000176	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX1	G253	G392	1.34	0.000165	uCi/mL	L
Carbon-14	5/10/94	NS	3/10/93	B08VX2	G254	G396	1.298	0.00014	uCi/mL	L
Co60	5/10/94	NS	3/10/93	B08VX0	G251	G391	1.345	< 1.18E-02	uCi/mL	L
Co60	5/10/94	NS	3/10/93	B08VX1	G253	G392	1.34	< 1.34E-02	uCi/mL	L
Co60	5/10/94	NS	3/10/93	B08VX3	G271	G397	1.3	< 3.96E-02	uCi/mL	L
Co60	5/10/94	NS	3/10/93	B08VX4	G238	G401	1.1	< 1.16E-02	uCi/mL	L
Co60	5/10/94	NS	3/10/93	B08VX5	G240	G402	1.3375	< 1.06E-02	uCi/mL	L
Co60	5/10/94	NS	3/10/93	B08VX7	G243	G409	1.298	< 1.84E-02	uCi/mL	L
Co60	5/10/94	NS	3/10/93	B083C8	G248	G417	1.327	< 1.25E-02	uCi/mL	L
Cs137	5/10/94	NA	3/10/93	B08VX8	G244	G412	1.377	266	uCi/mL	L
Cs137	5/10/94	NA	3/10/93	B08VX4	G238	G401	1.1	255	uCi/mL	L
Cs137	5/10/94	NA	3/10/93	NA	NA	G422	1.377	236	uCi/mL	L
Cs137	5/10/94	NA	3/10/93	B08VX9	G245	G413	1.3335	235	uCi/mL	L
Cs137	5/10/94	NA	3/10/93	B08VX1	G253	G392	1.34	233	uCi/mL	L
Cs137	5/10/94	NA	3/10/93	B08VX0	G251	G391	1.345	232	uCi/mL	L
Cs137	5/10/94	NA	3/10/93	B08VX5	G240	G402	1.3375	232	uCi/mL	L
Cs137	5/10/94	NA	3/10/93	B08VX6	G241	G407	1.3375	232	uCi/mL	L
Cs137	5/10/94	NA	3/10/93	NA	NA	NA	1.336	227	uCi/mL	P

Radionuclide Information							
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes	
Am241	2.23E+04	2.23E+04	6.01E-07	AP105-2	Y	Average of two results	
Am241	1.89E+04	1.89E+04	5.11E-07	AP105-2	Y	Average of two results	
Am241	1.65E+04	1.65E+04	4.46E-07	AP105-2	Y	Average of two results	
Am241	1.59E+04	1.59E+04	4.29E-07	AP105-2	Y	Average of two results	
Am241	1.57E+04	1.57E+04	4.24E-07	AP105-2	Y	Average of two results	
Am241	1.54E+04	1.53E+04	4.15E-07	AP105-2	Y	Average of two results	
Am241	1.53E+04	1.53E+04	4.13E-07	AP105-2	Y	Average of two results	
Am241	1.51E+04	1.50E+04	4.05E-07	AP105-2	Y	Average of 13 samples	
Am241	1.50E+04	1.50E+04	4.05E-07	AP105-2	Y	Average of two results	
Am241	1.46E+04	1.46E+04	3.94E-07	AP105-2	Y	Average of two results	
Am241	1.42E+04	1.42E+04	3.85E-07	AP105-2	Y	Average of two results	
Am241	1.42E+04	1.42E+04	3.84E-07	AP105-2	Y	Average of two results	
Am241	1.39E+04	1.39E+04	3.76E-07	AP105-2	Y	Average of two results	
Am241	1.35E+04	1.35E+04	3.65E-07	AP105-2	Y	Average of two results	
Am241	1.30E+04	1.29E+04	3.50E-07	AP105-2	Y	Average of two results	
Am241	1.29E+04	1.29E+04	3.48E-07	AP105-2	Y	Average of two results	
Am241	1.12E+04	1.12E+04	3.02E-07	AP105-2	Y	Average of two results	
Am241	9.77E+03	9.76E+03	2.64E-07	AP105-2	Y	Average of two results	
C14	1.44E+04	1.44E+04	3.89E-07	AP105-2	NR	Average of two results	
C14	8.90E+03	8.90E+03	2.40E-07	AP105-2	NR	Average of two results	
C14	8.66E+03	8.66E+03	2.34E-07	AP105-2	NR	Average of two results	
C14	8.25E+03	8.25E+03	2.23E-07	AP105-2	NR	Cannot locate value	
C14	8.10E+03	8.10E+03	2.19E-07	AP105-2	NR	Cannot locate value	
C14	8.10E+03	8.10E+03	2.19E-07	AP105-2	NR	Average of two results	
C14	8.03E+03	8.03E+03	2.17E-07	AP105-2	NR		
C14	8.01E+03	8.01E+03	2.16E-07	AP105-2	NR	Average of two results	
C14	7.99E+03	7.99E+03	2.16E-07	AP105-2	NR	Average of two results	
C14	7.92E+03	7.92E+03	2.14E-07	AP105-2	NR	Average of two results	
C14	7.90E+03	7.90E+03	2.13E-07	AP105-2	NR	Average of two results	
C14	7.83E+03	7.82E+03	2.11E-07	AP105-2	NR	Average of two results	
C14	7.83E+03	7.82E+03	2.11E-07	AP105-2	NR	Average of two results	
C14	7.81E+03	7.81E+03	2.11E-07	AP105-2	NR	Average of two results	
C14	7.75E+03	7.75E+03	2.09E-07	AP105-2	NR	Average of two results	
C14	7.71E+03	7.71E+03	2.08E-07	AP105-2	NR	Average of two results	
C14	7.64E+03	7.64E+03	2.06E-07	AP105-2	NR	Average of two results	
C14	7.55E+03	7.55E+03	2.04E-07	AP105-2	NR	Cannot locate value	
C14	7.44E+03	7.44E+03	2.01E-07	AP105-2	NR	Average of two results	
C14	7.16E+03	7.16E+03	1.93E-07	AP105-2	NR	Average of two results	
C14	6.51E+03	6.51E+03	1.76E-07	AP105-2	NR	Average of two results	
C14	6.11E+03	6.10E+03	1.65E-07	AP105-2	NR	Average of two results	
C14	5.18E+03	5.18E+03	1.40E-07	AP105-2	NR	Average of two results	
Co60	#VALUE!	#VALUE!	#VALUE!	AP105-2	NR	Average of two results	
Co60	#VALUE!	#VALUE!	#VALUE!	AP105-2	NR	Average of two results	
Co60	#VALUE!	#VALUE!	#VALUE!	AP105-2	NR	Average of two results	
Co60	#VALUE!	#VALUE!	#VALUE!	AP105-2	NR	Average of two results	
Co60	#VALUE!	#VALUE!	#VALUE!	AP105-2	NR	Average of two results	
Co60	#VALUE!	#VALUE!	#VALUE!	AP105-2	NR	Average of two results	
Co60	#VALUE!	#VALUE!	#VALUE!	AP105-2	NR	Average of two results	
Cs137	9.84E+09	9.70E+09	2.62E-01	AP105-2	Y	Average of two results	
Cs137	9.44E+09	9.30E+09	2.51E-01	AP105-2	Y	Average of two results	
Cs137	8.73E+09	8.60E+09	2.33E-01	AP105-2	Y	Average of two results	
Cs137	8.70E+09	8.57E+09	2.32E-01	AP105-2	Y	Average of two results	
Cs137	8.62E+09	8.49E+09	2.30E-01	AP105-2	Y	Average of two results	
Cs137	8.58E+09	8.46E+09	2.29E-01	AP105-2	Y	Average of two results	
Cs137	8.58E+09	8.46E+09	2.29E-01	AP105-2	Y	Average of two results	
Cs137	8.58E+09	8.46E+09	2.29E-01	AP105-2	Y	Average of two results	
Cs137	8.40E+09	8.28E+09	2.24E-01	AP105-2	Y	Average of 13 samples	

Tank Waste Characterization Sample Information											
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code	S
Cs137	5/10/94	NA	3/10/93	B0B3D2	NA	G379	1.329	226	uCi/mL	L	
Cs137	5/10/94	NA	3/10/93	B0B3D1	NA	G378	1.334	225	uCi/mL	L	
Cs137	5/10/94	NA	3/10/93	B0B3C8	G248	G417	1.327	222	uCi/mL	L	
Cs137	5/10/94	NA	3/10/93	B0B3X2	G254	G396	1.2975	195	uCi/mL	L	
Cs137	5/10/94	NA	3/10/93	B0B3X3	G271	G397	1.3	195	uCi/mL	L	
Cs137	5/10/94	NA	3/10/93	B0B3X7	G243	G409	1.298	194	uCi/mL	L	
Cs137	5/10/94	NA	3/10/93	B0B3C9	G249	G418	1.3	194	uCi/mL	L	
Cs	5/10/94	NS	NS	NS	NS	NS	1.332491	0.158840102	Ci/L	L	HT
I-129	5/10/94	NS	3/10/93	NS	NS	NS	1.336	< 2.12E-04	uCi/mL	P	
Iodine-129	5/10/94	NS	3/10/93	B0B3X6	G241	G407	1.339	0.000196	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X0	G251	G391	1.34	0.00017595	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X4	G238	G401	1.39	0.000156	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X3	G271	G397	1.299	0.0001376	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3C8	G248	G417	1.328	0.0001315	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X5	G240	G402	1.339	0.00013115	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3C9	G249	G418	1.301	0.00012175	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3D2	NA	G379	1.328	0.0001188	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3D1	NA	G378		0.00011525	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X8	G244	G412	1.375	0.00011225	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3D1	NA	G378	1.348	0.0001003	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X5	G240	G402		0.00009315	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3D2	NA	G379		0.00008935	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X3	G271	G397		0.00007575	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X7	G243	G409	1.293	0.00007295	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3C9	G249	G418		0.00005755	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X7	G243	G409		0.00005295	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X9	G245	G413	1.332	0.0000519	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X2	G254	G396	1.297	0.00004525	uCi/mL	L	
Iodine-129	5/10/94	NS	3/10/93	B0B3X1	G253	G392	1.34	0.0000374	uCi/mL	L	
Np237	5/10/94	NS	3/10/93	B0B3X9	G245	G413	1.3335	< 3.57E-04	uCi/mL	L	
Np237	5/10/94	NA	3/10/93	B0B3X0	G251	G391	1.345	< 4.32E-04	uCi/mL	L	
Np237	5/10/94	NA	3/10/93	B0B3X1	G253	G392	1.34	< 4.32E-04	uCi/mL	L	
Np237	5/10/94	NA	3/10/93	B0B3X8	G244	G412	1.377	< 4.32E-04	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X0	G251	G391	1.345	< 1.05E-04	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X1	G253	G392	1.34	< 9.62E-05	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X2	G254	G396	1.2975	< 2.43E-04	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X3	G271	G397	1.3	< 3.31E-04	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X4	G238	G401	1.1	< 4.11E-04	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X6	G241	G407	1.3375	< 9.72E-05	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X7	G243	G409	1.298	< 9.77E-05	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X8	G244	G412	1.377	< 4.08E-04	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X9	G245	G413	1.3335	< 3.27E-04	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X0	G251	G391	1.345	< 9.62E-05	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3X1	G253	G392	1.34	< 2.00E-04	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3C8	G248	G417	1.327	< 2.00E-04	uCi/mL	L	
Pu238	5/10/94	NS	3/10/93	B0B3C9	G249	G418	1.3	< 7.34E-05	uCi/mL	L	
Pu238	5/10/94	NA	3/10/93	B0B3X5	G240	G402	1.3375	< 4.82E-04	uCi/mL	L	
Pu239/240	5/10/94	NS	3/10/93	B0B3X4	G238	G401	1.1	< 1.08E-04	uCi/mL	L	
Pu239/240	5/10/94	NS	3/10/93	B0B3X5	G240	G402	1.3375	< 1.48E-04	uCi/mL	L	
Pu239/240	5/10/94	NS	3/10/93	B0B3X8	G244	G412	1.377	< 1.33E-04	uCi/mL	L	

Radionuclide Information							
Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes	
Cs137	8.36E+09	8.24E+09	2.23E-01	AP105-2	Y	Average of two results	
Cs137	8.33E+09	8.20E+09	2.22E-01	AP105-2	Y	Average of two results	
Cs137	8.21E+09	8.09E+09	2.19E-01	AP105-2	Y	Average of two results	
Cs137	7.22E+09	7.11E+09	1.92E-01	AP105-2	Y	Average of two results	
Cs137	7.22E+09	7.11E+09	1.92E-01	AP105-2	Y	Average of two results	
Cs137	7.18E+09	7.07E+09	1.91E-01	AP105-2	Y	Average of two results	
Cs137	7.18E+09	7.07E+09	1.91E-01	AP105-2	Y	Average of two results	
Cs137	5.88E+09	5.88E+09	1.59E-01	NA	N	HTCE	
I129	#VALUE!	#VALUE!	#VALUE!	AP105-2	NR		
I129	7.25E+03	7.25E+03	1.96E-07	AP105-2	NR	Average of two results	
I129	6.51E+03	6.51E+03	1.76E-07	AP105-2	NR	Average of two results	
I129	5.77E+03	5.77E+03	1.56E-07	AP105-2	NR	Average of two results	
I129	5.09E+03	5.09E+03	1.38E-07	AP105-2	NR	Average of two results	
I129	4.87E+03	4.87E+03	1.31E-07	AP105-2	NR	Average of two results	
I129	4.85E+03	4.85E+03	1.31E-07	AP105-2	NR	Average of two results	
I129	4.50E+03	4.50E+03	1.22E-07	AP105-2	NR	Average of two results	
I129	4.40E+03	4.40E+03	1.19E-07	AP105-2	NR	Average of two results	
I129	4.26E+03	4.26E+03	1.15E-07	AP105-2	NR	Average of two results	
I129	4.15E+03	4.15E+03	1.12E-07	AP105-2	NR	Average of two results	
I129	3.71E+03	3.71E+03	1.00E-07	AP105-2	NR	Average of two results	
I129	3.45E+03	3.45E+03	9.31E-08	AP105-2	NR	Average of two results	
I129	3.31E+03	3.31E+03	8.93E-08	AP105-2	NR	Average of two results	
I129	2.80E+03	2.80E+03	7.57E-08	AP105-2	NR	Average of two results	
I129	2.70E+03	2.70E+03	7.29E-08	AP105-2	NR	Average of two results	
I129	2.13E+03	2.13E+03	5.75E-08	AP105-2	NR	Average of two results	
I129	1.96E+03	1.96E+03	5.29E-08	AP105-2	NR	Average of two results	
I129	1.92E+03	1.92E+03	5.19E-08	AP105-2	NR	Average of two results	
I129	1.67E+03	1.67E+03	4.52E-08	AP105-2	NR	Average of two results	
I129	1.38E+03	1.38E+03	3.74E-08	AP105-2	NR	Average of two results	
Np237	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Np237	#VALUE!	#VALUE!	#VALUE!	AP105-2	Y	Average of two results; All Np-237 results were less than, these are highest less-than values	
Np237	#VALUE!	#VALUE!	#VALUE!	AP105-2	Y	Average of two results; All Np-237 results were less than, these are highest less-than values	
Np237	#VALUE!	#VALUE!	#VALUE!	AP105-2	Y	Average of two results; All Np-237 results were less than, these are highest less-than values	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu238	#VALUE!	#VALUE!	#VALUE!	AP105-2	Y	Average of two results; highest less-than value	
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	
Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value	

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Pu239/240	5/10/94	NS	3/10/93	B0B3C9	G249	G418	1.3	< 1.88E-04	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	B0B3C8	G248	G417	1.327	0.000181	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	B0B3VX7	G243	G409	1.298	0.00018	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	B0B3C9	G249	G418	1.3	0.000171	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	B0B3VX3	G271	G397	1.3	0.000169	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	B0B3VX9	G245	G413	1.3335	0.000161	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	NA	NA	G422	1.3	0.00016	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	B0B3VX1	G253	G392	1.34	0.000159	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	B0B3VX2	G254	G396	1.2975	0.000159	uCi/mL	L
Pu239/240	5/10/94	NA	NA	NA	NA	NA	1.336	0.000158	uCi/mL	P
Pu239/240	5/10/94	NA	3/10/93	B0B3VX9	G245	G413	1.3335	0.000152	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	B0B3VX0	G251	G391	1.345	0.000148	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	B0B3VX8	G244	G412	1.377	0.00013	uCi/mL	L
Pu239/240	5/10/94	NA	3/10/93	B0B3VX6	G241	G407	1.3375	0.00012	uCi/mL	L
Sr	5/10/94	NA	NA	NA	NA	NA	1.332491	0.021470845	Ci/L	L
Sr90	5/10/94	NA	3/10/93	B0B3VX8	G244	G412	1.377	0.253	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3C9	G249	G418	1.3	0.243	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3VX4	G238	G401	1.1	0.242	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3VX3	G271	G397	1.3	0.24	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3VX7	G243	G409	1.298	0.234	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3C9	G249	G418	1.3	0.23	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3VX2	G254	G396	1.2975	0.219	uCi/mL	L
Sr90	5/10/94	NA	NA	NA	NA	NA	1.336	0.208	uCi/mL	P
Sr90	5/10/94	NA	3/10/93	B0B3D1	NA	G378	1.334	0.208	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3C8	G248	G417	1.327	0.207	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3D2	NA	G379	1.329	0.201	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3VX9	G245	G413	1.3335	0.189	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	NA	NA	G422	1.377	0.188	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3VX0	G251	G391	1.345	0.182	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3VX6	G241	G407	1.3375	0.182	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3VX5	G240	G402	1.3375	0.18	uCi/mL	L
Sr90	5/10/94	NA	3/10/93	B0B3VX1	G253	G392	1.34	0.176	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX4	G238	G401	1.388	0.086	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX8	G244	G412	1.375	0.0794	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3D1	NA	G378	1.32	0.0772	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX5	G240	G402	1.336	0.0746	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX0	G251	G391	1.34	0.0746	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX6	G241	G407	1.336	0.0739	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX1	G253	G392	1.34	0.0703	uCi/mL	L
Tc-99	5/10/94	NA	NA	NA	NA	NA	1.336	0.0698	uCi/mL	P
Technetium-99	5/10/94	NA	3/10/93	B0B3D2	NA	G379	1.328	0.0652	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3C8	G248	G417	1.328	0.0647	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX9	G245	G413	1.335	0.0625	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX3	G271	G397		0.0611	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX3	G271	G397	1.301	0.0611	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX7	G243	G409	1.303	0.0597	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3C9	G249	G418	1.299	0.0587	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX2	G254	G396		0.0567	uCi/mL	L
Technetium-99	5/10/94	NA	3/10/93	B0B3VX2	G254	G396	1.297	0.05605	uCi/mL	L

Radionuclide Information							
	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
	Pu239/240	#VALUE!	#VALUE!	#VALUE!	AP105-2	N	Average of two results; less-than value
	Pu239/240	6.70E+03	6.70E+03	1.81E-07	AP105-2	Y	Average of two results
	Pu239/240	6.66E+03	6.66E+03	1.80E-07	AP105-2	Y	Average of two results
	Pu239/240	6.33E+03	6.33E+03	1.71E-07	AP105-2	Y	Average of two results
	Pu239/240	6.25E+03	6.25E+03	1.69E-07	AP105-2	Y	Average of two results
	Pu239/240	5.96E+03	5.96E+03	1.61E-07	AP105-2	Y	Average of two results
	Pu239/240	5.92E+03	5.92E+03	1.60E-07	AP105-2	Y	Average of two results
	Pu239/240	5.88E+03	5.88E+03	1.59E-07	AP105-2	Y	Average of two results
	Pu239/240	5.88E+03	5.88E+03	1.59E-07	AP105-2	Y	Average of two results
	Pu239/240	5.85E+03	5.85E+03	1.58E-07	AP105-2	Y	Average of all valid points
	Pu239/240	5.62E+03	5.62E+03	1.52E-07	AP105-2	Y	Average of two results
	Pu239/240	5.48E+03	5.48E+03	1.48E-07	AP105-2	Y	Average of two results
	Pu239/240	4.81E+03	4.81E+03	1.30E-07	AP105-2	Y	Average of two results
	Pu239/240	4.44E+03	4.44E+03	1.20E-07	AP105-2	Y	Average of two results
nv.	Sr89/90	7.94E+08	7.94E+08	2.15E-02	NA	N	HTCE
	Sr89/90	9.36E+06	9.22E+06	2.49E-04	AP105-2	Y	Average of two results
	Sr89/90	8.99E+06	8.85E+06	2.39E-04	AP105-2	Y	Average of two results
	Sr89/90	8.95E+06	8.82E+06	2.38E-04	AP105-2	Y	Average of two results
	Sr89/90	8.88E+06	8.74E+06	2.36E-04	AP105-2	Y	Average of two results
	Sr89/90	8.66E+06	8.53E+06	2.30E-04	AP105-2	Y	Average of two results
	Sr89/90	8.51E+06	8.38E+06	2.26E-04	AP105-2	Y	Average of two results
	Sr89/90	8.10E+06	7.98E+06	2.16E-04	AP105-2	Y	Average of two results
	Sr89/90	7.70E+06	7.37E+06	1.99E-04	AP105-2	Y	This is a statistical average of 13 individual tank samples and 2 composite samples, and represents the "nominal value" for this analyte; average for all valid points
	Sr89/90	7.70E+06	7.58E+06	2.05E-04	AP105-2	Y	Average of two results
	Sr89/90	7.66E+06	7.54E+06	2.04E-04	AP105-2	Y	Average of two results
	Sr89/90	7.44E+06	7.32E+06	1.98E-04	AP105-2	Y	Average of two results
	Sr89/90	6.99E+06	6.89E+06	1.86E-04	AP105-2	Y	Average of two results
	Sr89/90	6.96E+06	6.85E+06	1.85E-04	AP105-2	Y	Average of two results
	Sr89/90	6.73E+06	6.63E+06	1.79E-04	AP105-2	Y	Average of two results
	Sr89/90	6.73E+06	6.63E+06	1.79E-04	AP105-2	Y	Average of two results
	Sr89/90	6.66E+06	6.56E+06	1.77E-04	AP105-2	Y	Average of two results
	Sr89/90	6.51E+06	6.41E+06	1.73E-04	AP105-2	Y	Average of two results
	Tc99	3.18E+06	3.18E+06	8.60E-05	AP105-2	Y	Average of two results
	Tc99	2.94E+06	2.94E+06	7.94E-05	AP105-2	Y	Average of two results
	Tc99	2.86E+06	2.86E+06	7.72E-05	AP105-2	Y	Average of two results
	Tc99	2.76E+06	2.76E+06	7.46E-05	AP105-2	Y	Average of two results
	Tc99	2.76E+06	2.76E+06	7.46E-05	AP105-2	Y	Average of two results
	Tc99	2.73E+06	2.73E+06	7.39E-05	AP105-2	Y	Average of two results
	Tc99	2.60E+06	2.60E+06	7.03E-05	AP105-2	Y	Average of two results
	Tc99	2.58E+06	2.58E+06	6.98E-05	AP105-2	Y	This is a statistical average of 13 individual tank samples and 2 composite samples, and represents the "nominal value" for this analyte
	Tc99	2.41E+06	2.41E+06	6.52E-05	AP105-2	Y	Average of two results
	Tc99	2.39E+06	2.39E+06	6.47E-05	AP105-2	Y	Average of two results
	Tc99	2.31E+06	2.31E+06	6.25E-05	AP105-2	Y	Average of two results
	Tc99	2.26E+06	2.26E+06	6.11E-05	AP105-2	Y	Average of two results
	Tc99	2.26E+06	2.26E+06	6.11E-05	AP105-2	Y	Average of two results
	Tc99	2.21E+06	2.21E+06	5.97E-05	AP105-2	Y	Average of two results
	Tc99	2.17E+06	2.17E+06	5.87E-05	AP105-2	Y	Average of two results
	Tc99	2.10E+06	2.10E+06	5.67E-05	AP105-2	Y	Average of two results
	Tc99	2.07E+06	2.07E+06	5.60E-05	AP105-2	Y	Average of two results

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Am-241	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.540	1.47	uCi/L	P
Am241	6/1/90	7/17/90	6/28/90	NA	NA	R8804/R8805	1.540	1.204	uCi/L	P
Am-241	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.540	0.938	uCi/L	P
Am241	7/21/87	NS	NS	NS	NS	NS	NS	2.2	nCi/L	P
C-14	6/26/86	NS	NS	NS	NS	NS	1.490	<4.55E-01	uCi/L	F
C14	7/2/86	NS	NS	NS	NS	NS	1.500	<4.75E-01	uCi/L	F
C-14	7/6/86	NS	NS	R9897	NS	NS	1.460	<4.75E-01	uCi/L	F
C-14	6/30/86	NS	NS	NS	NS	NS	1.54	1.55	uCi/L	F
C-14	6/30/86	NA	NA	NA	NA	NA	1.540	1.55	uCi/L	F
C-14	7/2/86	NS	NS	NS	NS	NS	1.5	0.475	uCi/L	F
C-14	6/23/86	NS	NS	NS	NS	NS	1.370	0.475	uCi/L	F
C-14	6/23/86	NA	NA	NA	NA	NA	1.37	0.475	uCi/L	F
C-14	6/26/86	NS	NS	NS	NS	NS	1.49	0.455	uCi/L	F
Carbon-14	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	0.37	uCi/L	P
C-14	6/26/86	NS	NS	T686	NS	NS	1.310	0.329	uCi/L	P
C-14	6/26/86	NS	NS	T686	NS	NS	1.31	0.329	uCi/L	L
Cm-243/244	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	5.33E-02	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4792	R7912/R7929	1.530	< 18.7	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4793	R7913/R7930	1.535	< 16.6	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4794	R7914/R7933	1.570	< 22.15	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4795	R7915/R7934	1.540	< 16.25	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4796	R7916/R7935	1.625	< 30.4	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4797	R7919/R7936	1.560	< 15.45	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4798	R7920/R7937	1.560	< 18.6	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4799	R7921/R7940	1.555	< 21.9	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4800	R7922/R7941	1.560	< 27.5	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4801	R7923/R7942	1.560	< 19.7	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4802	R7926/R7943	1.550	< 31.45	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	R4803	R7927/R7944	1.575	< 117	uCi/L	P
Cobalt-60	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	<2.964E+01	uCi/L	P
Cs137	7/2/86	NA	NA	NA	NA	NA	1.5	563000	uCi/L	F
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4796	R7916/R7935	1.625	5.520E+05	uCi/L	P
Cs137	6/23/86	NS	NS	T621	NS	NS	1.44	550000	uCi/L	U
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4803	R7927/R7944	1.575	5.410E+05	uCi/L	P
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4799	R7921/R7940	1.555	5.385E+05	uCi/L	P
Cs137	6/30/86	NA	NA	NA	NA	NA	1.54	530000	uCi/L	F
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4794	R7914/R7933	1.570	5.220E+05	uCi/L	P
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4802	R7926/R7943	1.550	5.215E+05	uCi/L	P
Cesium-137	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	5.20E+05	uCi/L	P
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4801	R7923/R7942	1.560	5.190E+05	uCi/L	P
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4792	R7912/R7929	1.530	5.180E+05	uCi/L	P
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4793	R7913/R7930	1.535	5.175E+05	uCi/L	P
Cs137	6/26/86	NA	NA	NA	NA	NA	1.49	515000	uCi/L	F

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
AW	Am241	5.44E+04	5.40E+04	1.46E-06	AW101-10	Y	
ASTREN	Am241	4.44E+04	4.41E+04	1.19E-06	NA	N	Duplicate of Raw 12/1/91 Average of R8804/R8805
AW	Am241	3.47E+04	3.45E+04	9.31E-07	AW101-10	Y	
AW	Am241	8.14E+01	8.04E+01	2.17E-09	AW101-9	N	Interstitial liquid from heel before tank was filled
AW	C14	#VALUE!	#VALUE!	#VALUE!	AW101-8	N	< Values
AW	C14	#VALUE!	#VALUE!	#VALUE!	AW101-8	N	< Values
AW	C14	#VALUE!	#VALUE!	#VALUE!	AW101-8	N	< Values
AW	C14	5.74E+04	5.73E+04	1.55E-06	AW101-8	D	Duplicate of Raw 6/30/86
AW	C14	5.74E+04	5.73E+04	1.55E-06	AW101-8	Y	Sample taken at the evaporator exit
AW	C14	1.76E+04	1.76E+04	4.75E-07	AW101-8	D	< value / Duplicate of Raw 7/2/86
AW	C14	1.76E+04	1.76E+04	4.75E-07	AW101-8	D	Duplicate of Raw 6/23/86
AW	C14	1.76E+04	1.76E+04	4.75E-07	AW101-8	Y	Sample taken at the evaporator exit
AW	C14	1.68E+04	1.68E+04	4.55E-07	AW101-8	N	< Value / Duplicate of Raw 6/26/86
AW	C14	1.37E+04	1.37E+04	3.70E-07	AW101-10	Y	Average of two samples
AW	C14	1.22E+04	1.22E+04	3.29E-07	AW101-8	D	Duplicate of Raw 6/26/86 T686
AW	C14	1.22E+04	1.22E+04	3.29E-07	AW101-8	N	Evaporator feed sample
AW	Cm243/244	1.97E+03	1.66E+03	4.50E-08	NA	NR	
AW	Co60	#VALUE!	#VALUE!	#VALUE!	AW101-10	NR	
AW	Co60	#VALUE!	#VALUE!	#VALUE!	AW101-10	NR	
AW	Co60	#VALUE!	#VALUE!	#VALUE!	AW101-10	NR	
AW	Co60	#VALUE!	#VALUE!	#VALUE!	AW101-10	NR	
AW	Co60	#VALUE!	#VALUE!	#VALUE!	AW101-10	NR	
AW	Co60	#VALUE!	#VALUE!	#VALUE!	AW101-10	NR	
AW	Co60	#VALUE!	#VALUE!	#VALUE!	AW101-10	NR	
AW	Co60	#VALUE!	#VALUE!	#VALUE!	AW101-10	NR	
AW	Co60	#VALUE!	#VALUE!	#VALUE!	AW101-10	NR	
AW	Co60	#VALUE!	#VALUE!	#VALUE!	AW101-10	NR	
AW	Cs137	2.08E+10	1.71E+10	4.62E-01	AW101-8	Y	Sampled at evaporator as tank was being filled
AW	Cs137	2.04E+10	1.84E+10	4.98E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
AW	Cs137	2.04E+10	1.67E+10	4.51E-01	AW101-8	N	Evaporator feed sample
AW	Cs137	2.00E+10	1.81E+10	4.88E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
AW	Cs137	1.99E+10	1.80E+10	4.86E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
AW	Cs137	1.96E+10	1.61E+10	4.35E-01	AW101-8	Y	Sampled at evaporator as tank was being filled
AW	Cs137	1.93E+10	1.74E+10	4.71E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
AW	Cs137	1.93E+10	1.74E+10	4.71E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
AW	Cs137	1.92E+10	1.74E+10	4.69E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
AW	Cs137	1.92E+10	1.73E+10	4.68E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
AW	Cs137	1.92E+10	1.73E+10	4.67E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
AW	Cs137	1.91E+10	1.73E+10	4.67E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
AW	Cs137	1.91E+10	1.57E+10	4.24E-01	AW101-8	Y	Sampled at evaporator as tank was being filled

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4800	R7922/R7941	1.560	5.125E+05	uCi/L	P
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4798	R7920/R7937	1.560	5.010E+05	uCi/L	P
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4797	R7919/R7936	1.560	4.970E+05	uCi/L	P
Cesium-137	12/1/91	7/17/90	6/28/90	NA	R4795	R7915/R7934	1.540	4.965E+05	uCi/L	P
Cs137	6/1/90	NA	NA	NA	NA	NA	NA	NA	NA	P
Cs137	12/30/81	NS	NS	T1049	NS	NS	1.329	455000	uCi/L	L
Cs137	12/30/81	NS	NS	T1048	NS	NS	1.324	439000	uCi/L	L
Cs137	6/23/86	NA	NA	NA	NA	NA	1.37	368000	uCi/L	F
Cs137	7/2/86	NS	NS	T882	NS	NS	1.32	348000	uCi/L	U
Cs137	6/26/86	NS	NS	T686	NS	NS	1.31	319000	uCi/L	U
Cs	NS	NS	NS	NS	NS	NS	1.393161	0.253805421	Ci/L	
Cs137	7/6/86	NS	NS	T959	NS	NS	1.23	245000	uCi/L	U
Cs137	6/30/86	NS	NS	T812	NS	NS	1.13	134000	uCi/L	U
Cs137	11/20/84	NS	NS	R2644	NS	NS	NS	54400	uCi/L	P
Cs137	11/20/84	NS	NS	R2645	NS	NS	NS	27600	uCi/L	O
Cs-137	11/9/84	NS	NS	R-3185	NS	NS	1.024	21800	uCi/L	P
Cs137	11/9/84	NS	NS	NS	NS	NS	1.024	21800	uCi/L	P
Cs137	11/9/84	NS	NS	R3185	NS	NS	1.024	21800	uCi/L	L
Cs137	4/21/85	NS	NS	T5351	NS	NS	1.0411	15200	uCi/L	O
Cs137	4/21/85	NS	NS	T5350	NS	NS	1.0279	9640	uCi/L	L
Cs137	3/30/86	NS	NS	T7698	NS	NS	0.993	5480	uCi/L	L
Cs137	3/30/86	NS	NS	T7697	NS	NS	0.997	5470	uCi/L	L
Cs137	11/14/85	NS	NS	T2641	NS	NS	1.01	4470	uCi/L	L
Cs137	7/21/87	NS	NS	NS	NS	NS	NS	548000	nCi/L	P
Iodine-129	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	0.303	uCi/L	P
Np-237	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	<3.060E-03	uCi/L	P
Pu239/240	6/26/86	NS	NS	T686	NS	NS	1.31	0.00229	g/L	U
Pu239/240	6/23/86	NS	NS	T621	NS	NS	1.44	0.000169	g/L	U
Pu239/240	6/26/86	NA	NA	NA	NA	NA	1.49	0.0000204	g/L	F
Pu-239/240	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	1.25	uCi/L	P
Pu-239/240	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	1.04	uCi/L	P
Pu239/240	7/2/86	NS	NS	T882	NS	NS	1.32	0.0000144	g/L	U
Pu239/240	6/30/86	NA	NA	NA	NA	NA	1.54	0.0000126	g/L	F
Pu239/240	7/2/86	NA	NA	NA	NA	NA	1.5	0.0000107	g/L	F
Pu239/240	7/6/86	NS	NS	T959	NS	NS	1.23	0.00000896	g/L	U
Pu239/240	6/23/86	NA	NA	NA	NA	NA	1.36	0.00000625	g/L	F
Pu239/240	6/30/86	NS	NS	T812	NS	NS	1.13	0.00000562	g/L	U
Pu239/240	7/21/87	NS	NS	NS	NS	NS	NS	0.82	nCi/L	P
Pu239/240	11/14/85	NS	NS	T2641	NS	NS	1.01	0.0000304	uCi/L	L
Pu239/240	3/30/86	NS	NS	T7698	NS	NS	0.993	0.00000103	uCi/L	L
Pu239/240	3/30/86	NS	NS	T7697	NS	NS	0.997	1.34E-08	uCi/L	L
Selenium-79	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	0.48	uCi/L	P
Sr	NS	NS	NS	NS	NS	NS	1.393161	0.017804195	Ci/L	
Sr90	12/30/81	NS	NS	T1049	NS	NS	1.329	14600	uCi/L	L
Sr90	12/30/81	NS	NS	T1048	NS	NS	1.324	13600	uCi/L	L

Waste Characterization Database
 Tank 241-AW-101

Source	Radionuclide Information						Notes
	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	
Raw	Cs137	1.90E+10	1.71E+10	4.63E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
Raw	Cs137	1.85E+10	1.67E+10	4.52E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
Raw	Cs137	1.84E+10	1.66E+10	4.49E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
Raw	Cs137	1.84E+10	1.66E+10	4.48E-01	AW101-10	Y	Average of 12 samples; "best estimate" value
astren	Cs137	1.81E+10	1.63E+10	4.41E-01	NA	Y	Average of duplicate composite samples from ref. AW101-10
AW	Cs137	1.68E+10	1.25E+10	3.38E-01	AW101-1	N	Waste is no longer in tank
AW	Cs137	1.62E+10	1.20E+10	3.24E-01	AW101-2	N	Waste is no longer in tank
AW	Cs137	1.36E+10	1.12E+10	3.03E-01	AW101-8	Y	Sampled at evaporator as tank was being filled
AW	Cs137	1.29E+10	1.06E+10	2.86E-01	AW101-8	N	Evaporator feed sample
AW	Cs137	1.18E+10	9.70E+09	2.62E-01	AW101-8	N	Evaporator feed sample
CE Inv.	Cs137	9.39E+09	9.39E+09	2.54E-01	NA	N	HTCE
AW	Cs137	9.07E+09	7.46E+09	2.02E-01	AW101-8	N	Evaporator feed sample
AW	Cs137	4.96E+09	4.08E+09	1.10E-01	AW101-8	N	Evaporator feed sample
AW	Cs137	2.01E+09	2.01E+09	5.43E-02	AW101-5	N	Waste no longer in tank
AW	Cs137	1.02E+09	1.02E+09	2.76E-02	AW101-5	N	Waste no longer in tank
raun	Cs137	8.07E+08	6.39E+08	1.73E-02	NA	D	Duplicate of Raw R3185 11/9/84
AW	Cs137	8.07E+08	6.39E+08	1.73E-02	AW101-4	N	Waste is no longer in tank
AW	Cs137	8.07E+08	6.39E+08	1.73E-02	AW101-5	N	Waste is no longer in tank
AW	Cs137	5.62E+08	4.50E+08	1.22E-02	AW101-4	N	Waste is no longer in tank
AW	Cs137	3.57E+08	2.85E+08	7.70E-03	AW101-4	N	Waste is no longer in tank
AW	Cs137	2.03E+08	1.66E+08	4.49E-03	AW101-7	N	Waste is no longer in tank
AW	Cs137	2.02E+08	1.65E+08	4.46E-03	AW101-7	N	Waste is no longer in tank
AW	Cs137	1.65E+08	1.34E+08	3.62E-03	AW101-6	N	Waste is no longer in tank
AW	Cs137	2.03E+07	1.71E+07	4.62E-04	AW101-9	N	Interstitial liquid from heel before tank was filled
AW	I129	1.12E+04	1.12E+04	3.03E-07	AW101-10	NR	
AW	Np237	#VALUE!	#VALUE!	#VALUE!	AW101-10	Y	no non-less-than values available
AW	Pu239/240	6.03E+06	6.03E+06	1.63E-04	AW101-8	N	Evaporator feed sample
AW	Pu239/240	4.45E+05	4.45E+05	1.20E-05	AW101-8	N	Evaporator feed sample
AW	Pu239/240	5.37E+04	5.37E+04	1.45E-06	AW101-8	Y	Filtrate from evaporator slurry sample on way to tank
AW	Pu239/240	4.63E+04	4.63E+04	1.25E-06	AW101-10	Y	
AW	Pu239/240	3.85E+04	3.85E+04	1.04E-06	AW101-10	Y	
AW	Pu239/240	3.79E+04	3.79E+04	1.02E-06	AW101-8	N	Evaporator feed sample
AW	Pu239/240	3.32E+04	3.32E+04	8.97E-07	AW101-8	Y	Filtrate from evaporator slurry sample on way to tank
AW	Pu239/240	2.82E+04	2.82E+04	7.62E-07	AW101-8	Y	Filtrate from evaporator slurry sample on way to tank
AW	Pu239/240	2.36E+04	2.36E+04	6.38E-07	AW101-8	N	Evaporator feed sample
AW	Pu239/240	1.65E+04	1.65E+04	4.46E-07	AW101-8	Y	Filtrate from evaporator slurry sample on way to tank
AW	Pu239/240	1.48E+04	1.48E+04	4.00E-07	AW101-8	N	Evaporator feed sample
AW	Pu239/240	3.03E+01	3.03E+01	8.19E-10	AW101-9	N	Interstitial liquid from heel before tank was filled
AW	Pu239/240	1.12E+00	1.12E+00	3.03E-11	AW101-6	N	Waste no longer in tank
AW	Pu239/240	3.81E-02	3.81E-02	1.03E-12	AW101-7	N	Waste no longer in tank
AW	Pu239/240	4.96E-04	4.96E-04	1.34E-14	AW101-7	N	Waste no longer in tank
AW	Se79	1.78E+04	1.78E+04	4.80E-07	AW101-10	NR	
CE Inv.	Sr89/90	6.59E+08	6.59E+08	1.78E-02	NA	N	HTCE
AW	Sr89/90	5.40E+08	3.95E+08	1.07E-02	AW101-1	N	Waste no longer in tank
AW	Sr89/90	5.03E+08	3.68E+08	9.95E-03	AW101-2	N	Waste no longer in tank

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Sr90	6/26/86	NS	NS	T686	NS	NS	1.31	13200	uCi/L	U
Sr90	6/23/86	NA	NA	NA	NA	NA	1.36	9400	uCi/L	F
Sr90	6/26/86	NA	NA	NA	NA	NA	1.49	8780	uCi/L	F
Sr90	6/23/86	NS	NS	T621	NS	NS	1.44	8240	uCi/L	U
Sr90	7/2/86	NS	NS	T882	NS	NS	1.32	6340	uCi/L	U
Sr90	6/30/86	NA	NA	NA	NA	NA	1.54	6000	uCi/L	F
Sr90	7/6/86	NS	NS	T959	NS	NS	1.23	4010	uCi/L	U
Sr90	11/20/84	NS	NS	R2644	NS	NS	NS	2700	uCi/L	P
Sr90	6/30/86	NS	NS	T812	NS	NS	1.13	2200	uCi/L	U
Sr90	7/2/86	NA	NA	NA	NA	NA	1.5	1830	uCi/L	F
Sr-89/90	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	1.14E+03	uCi/L	P
Sr89/90	6/1/90	NS	NS	NS	NS	NS	NS	NS		L
Sr-89/90	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	1.03E+03	uCi/L	P
Sr90	11/9/84	NS	NS	NS	NS	NS	1.024	428	uCi/L	P
Sr-90	11/9/84	NS	NS	R-3185	NS	NS	1.024	425	uCi/L	P
Sr90	11/9/84	NS	NS	R3185	NS	NS	1.024	425	uCi/L	L
Sr90	11/20/84	NS	NS	R2645	NS	NS	NS	340	uCi/L	O
Sr90	3/30/86	NS	NS	T7697	NS	NS	0.997	45.9	uCi/L	L
Sr90	3/30/86	NS	NS	T7698	NS	NS	0.993	32.8	uCi/L	L
Tc99	11/20/84	NS	NS	R2644	NS	NS	NS	7350	uCi/L	P
Tc99	7/6/86	NA	NA	R9897	NA	NA	1.460	440	uCi/L	F
Tc99	7/2/86	NS	NS	NS	NS	NS	1.500	248	uCi/L	F
Tc-99	7/2/86	NA	NA	NA	NA	NA	1.5	248	uCi/L	F
Tc99	6/30/86	NS	NS	NS	NS	NS	1.540	215	uCi/L	F
Tc-99	6/30/86	NA	NA	NA	NA	NA	1.54	215	uCi/L	F
Tc99	6/23/86	NS	NS	NS	NS	NS	1.370	205	uCi/L	F
Tc-99	6/23/86	NA	NA	NA	NA	NA	1.37	205	uCi/L	F
Tc99	6/26/86	NS	NS	NS	NS	NS	1.490	200	uCi/L	F
Tc-99	6/26/86	NA	NA	NA	NA	NA	1.49	200	uCi/L	F
Tc-99	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	176	uCi/L	P
Tc99	6/26/86	NS	NS	T686	NS	NS	1.310	148	uCi/L	P
Tc-99	6/26/86	NS	NS	T686	NS	NS	1.31	148	uCi/L	L
Tc-99	12/1/91	7/17/90	6/28/90	NA	NA	R8804/R8805	1.560	128	uCi/L	P
Tc-99	11/20/84	NS	NS	R2644	NS	NS	NS	118	uCi/L	P
Tc99	11/20/84	NS	NS	R2644	NS	NS	NS	118	uCi/L	P
Tc99	6/23/86	NS	NS	T621	NS	NS	1.440	105	uCi/L	P
Tc-99	6/23/86	NS	NS	T621	NS	NS	1.44	105	uCi/L	L
Tc-99	3/30/86	NS	NS	T7697	NS	NS	0.997	22	uCi/L	P
Tc99	4/29/86	NS	NS	T7697	NS	NS	0.993	22	uCi/L	P
Tc-99	3/30/86	NS	NS	T7698	NS	NS	0.993	18.3	uCi/L	P
Tc99	4/29/86	NS	NS	T7698	NS	NS	0.993	18.3	uCi/L	P

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L decayed)	Reference Number	Validated (Y/N)	Notes
RAW	Sr89/90	4.88E+08	3.98E+08	1.08E-02	AW101-8	N	Evaporator feed sample
RAW	Sr89/90	3.48E+08	2.83E+08	7.65E-03	AW101-8	Y	
RAW	Sr89/90	3.25E+08	2.65E+08	7.16E-03	AW101-8	Y	
RAW	Sr89/90	3.05E+08	2.48E+08	6.70E-03	AW101-8	N	Evaporator feed sample
RAW	Sr89/90	2.35E+08	1.91E+08	5.16E-03	AW101-8	N	Evaporator feed sample
RAW	Sr89/90	2.22E+08	1.81E+08	4.89E-03	AW101-8	Y	
RAW	Sr89/90	1.48E+08	1.21E+08	3.27E-03	AW101-8	N	Evaporator feed sample
RAW	Sr89/90	9.99E+07	9.96E+07	2.69E-03	AW101-5	N	Waste no longer in tank
RAW	Sr89/90	8.14E+07	6.64E+07	1.79E-03	AW101-8	N	Evaporator feed sample
RAW	Sr89/90	6.77E+07	5.52E+07	1.49E-03	AW101-8	Y	
Raw	Sr89/90	4.22E+07	3.79E+07	1.02E-03	AW101-10	Y	
Raw	Sr89/90	4.03E+07	3.61E+07	9.76E-04	NA	N	Duplicate of Raw result 12/1/91 R8804/R8805
Raw	Sr89/90	3.81E+07	3.42E+07	9.25E-04	AW101-10	Y	
RAW	Sr89/90	1.58E+07	1.24E+07	3.35E-04	AW101-4	N	Waste no longer in tank
Braun	Sr89/90	1.57E+07	1.23E+07	3.32E-04	NA	N/D	Duplicate of Raw R3185 11/9/84 / Waste no longer in tank
RAW	Sr89/90	1.57E+07	1.23E+07	3.32E-04	AW101-5	N	Waste no longer in tank
RAW	Sr89/90	1.26E+07	1.25E+07	3.38E-04	AW101-5	N	Waste no longer in tank
RAW	Sr89/90	1.70E+06	1.38E+06	3.73E-05	AW101-7	N	Waste no longer in tank
RAW	Sr89/90	1.21E+06	9.83E+05	2.66E-05	AW101-7	N	Waste no longer in tank
Raw	Tc99	2.72E+08	2.72E+08	7.35E-03	AW101-5	N	Waste no longer in tank / Changed Ref # from AW101-10 to AW101-5
Raw	Tc99	1.63E+07	1.63E+07	4.40E-04	AW101-8	Y	
Raw	Tc99	9.18E+06	9.18E+06	2.48E-04	AW101-8	D	Duplicate of Raw 7/2/86
Raw	Tc99	9.18E+06	9.18E+06	2.48E-04	AW101-8	Y	
Raw	Tc99	7.96E+06	7.95E+06	2.15E-04	AW101-8	D	Duplicate of Raw 6/30/86
Raw	Tc99	7.96E+06	7.95E+06	2.15E-04	AW101-8	Y	
Raw	Tc99	7.59E+06	7.58E+06	2.05E-04	AW101-8	D	Duplicate of Raw 6/23/86
Raw	Tc99	7.59E+06	7.58E+06	2.05E-04	AW101-8	Y	
Raw	Tc99	7.40E+06	7.40E+06	2.00E-04	AW101-8	N	Duplicate of Raw 6/26/86
Raw	Tc99	7.40E+06	7.40E+06	2.00E-04	AW101-8	Y	
Raw	Tc99	6.51E+06	6.51E+06	1.76E-04	AW101-10	Y	
Raw	Tc99	5.48E+06	5.48E+06	1.48E-04	AW101-8	N/D	Duplicate of Raw T686 6/26/86
Raw	Tc99	5.48E+06	5.48E+06	1.48E-04	AW101-8	N	Feed Sample
Raw	Tc99	4.74E+06	4.74E+06	1.28E-04	AW101-10	Y	
Raw	Tc99	4.37E+06	4.37E+06	1.18E-04	AW101-5	N	Waste no longer in tank
Raw	Tc99	4.37E+06	4.37E+06	1.18E-04	AW101-10	N/D	Duplicate of Raw R2644 11/20/84 / Waste no longer in tank
Raw	Tc99	3.89E+06	3.88E+06	1.05E-04	AW101-8	N/D	Duplicate of Raw T621 6/23/86 / Feed sample
Raw	Tc99	3.89E+06	3.88E+06	1.05E-04	AW101-8	N	Feed Sample
Raw	Tc99	8.14E+05	8.14E+05	2.20E-05	AW101-7	N	Waste no longer in tank
Raw	Tc99	8.14E+05	8.14E+05	2.20E-05	AW101-7	N	Waste no longer in tank
Raw	Tc99	6.77E+05	6.77E+05	1.83E-05	AW101-7	N	Waste no longer in tank
Raw	Tc99	6.77E+05	6.77E+05	1.83E-05	AW101-7	N	Waste no longer in tank

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Cod
Am241	9/22/86	NA	NA	NA	NA	NA	NA	<1.45E-04	uCi/mL	P
Am241	2/8/89	3/11/88	10/1/87	T-3493	NA	NA	NA	<10	uCi/L	P
Americium-241	7/26/95	NA	3/3/95	B0D9P9	NA	NA	1.20	< 0.0469	uCi/mL	L
Americium-241	7/26/95	NA	3/3/95	B0D9P6	NA	NA	1.19	< 0.0219	uCi/mL	L
Americium-241	7/26/95	NA	3/3/95	B0D9P7	NA	NA	1.18	< 0.0216	uCi/mL	L
Am241	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Am241	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.011	uCi/gm	L
Am241	4/1/89	NS	NS	NS	NS	NS	NS	NS	NS	P
Am241	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	13.2	uCi/L	P
Am-241	9/1/93	NA	4/1/89	Core 2	NA	NA	1.22	0.013	uCi/g	P
Am-241	9/1/93	NA	4/1/89	Core 2	NA	NA	1.14	0.0139	uCi/g	P
C14	1/1/81	NS	NS	NS	NS	NS	NS	2.016561292	ug/L	L
C-14	9/1/93	NA	4/1/89	Core 2	NA	NA	NA	0.0013	uCi/g	P
C14	4/1/89	NS	NS	NS	NS	NS	NS	53300	Bq/L	P
C-14	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.0012	uCi/gm	P
C-14	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	1.44	uCi/L	P
C-14	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	1.06	uCi/l	P
C-14	9/13/85	NA	NA	NA	NA	NA	1.17	1.06	uCi/L	P
C-14	9/1/93	NA	4/1/89	Core 2	NA	NA	1.22	0.0013	uCi/g	P
C-14	9/1/93	NA	4/1/89	Core 2	NA	NA	1.14	0.000694	uCi/g	P
Cm243,4	9/1/93	NA	4/1/89	Core 2	NA	NA	1.14	< 0.00058	uCi/g	P
Cm243,4	9/1/93	NA	4/1/89	Core 2	NA	NA	1.22	< 0.00068	uCi/g	P
Cm244	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Cm244	4/1/89	NS	NS	NS	NS	NS	NS	NS	NS	P
Cm243/244	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	0.144	uCi/L	P
Cm243/244	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.00012	uCi/l	L
Co-60	9/1/93	NA	4/1/89	Core 2	NA	NA	1.14	< 0.31	uCi/g	P
Co-60	9/1/93	NA	4/1/89	Core 2	NA	NA	1.22	< 2.0	uCi/g	P
Co60	9/29/89	1989	1989	Core 1	NA	NA	1.2	<7.5E-04	mCi/g	P
Co60	4/26/78	NS	NS	NS	NS	NS	NS	1	uCi/L	L
Cs	NA	NA	NA	NA	NA	NA	1.12432389	2.521827668	Ci/L	L
Cesium-137	7/26/95	NA	3/3/95	B0D9P7	NA	NA	1.18	1590	uCi/mL	L
Cesium-137	7/26/95	NA	3/3/95	B0D9P6	NA	NA	1.19	1585	uCi/mL	L
Cesium-137	7/26/95	NA	3/3/95	B0D9P9	NA	NA	1.20	1585	uCi/mL	L
Cs137	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Cs137	9/1/93	NA	4/1/89	Core 2	NA	NA	NA	2540	uCi/g	P
Cs137	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	2270000	uCi/l	L
Cs137	10/30/90	NA	5/2/90	R110388	NA	NA	NA	2270000	uCi/L	P
Cs137	2/8/89	NA	10/1/87	T3493	NA	NA	NA	2270000	uCi/L	P
Cs137	4/8/86	NA	11/1/85	NA	NA	NA	1.17	2200000	uCi/L	L
Cs137	8/7/86	NS	NS	R9964/R0247	NS	NS	1.2	2110000	uCi/l	L
Cs137	10/29/90	NA	5/2/90	R280187	NA	NA	NA	2110000	uCi/L	P
Cs137	1/28/87	NA	NA	NA	NA	NA	NA	2110000	uCi/L	P
Cs137	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	1700	uCi/gm	L
Cs137	4/1/89	NS	NS	NS	NS	NS	NS	NS	NS	P
Cs137	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	2040000	uCi/L	P
Cs137	9/13/85	NA	NA	RAT-AZ101-3A	NA	NA	1.17	1330000	uCi/l	L
Cs137	9/13/85	NA	NA	NA	NA	NA	1.17	1330000	uCi/L	L
Cs137	9/13/85	NA	NA	B	NA	NA	NA	1290000	uCi/L	P
Cs137	9/13/85	NA	NA	A	NA	NA	NA	1240000	uCi/L	P
Cs137	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	1090000	uCi/l	L
Cs137	10/29/90	NA	5/2/90	R101283	NA	NA	NA	1090000	uCi/L	P

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Raw	Am241	#VALUE!	#VALUE!	#VALUE!	AZ101-10	Y	
Raw	Am241	#VALUE!	#VALUE!	#VALUE!	AZ101-16	Y	
TCD	Am241	#VALUE!	#VALUE!	#VALUE!	NA	Y	< Value, #1- Replace #1 & #2 with Avg value = <0.0469
TCD	Am241	#VALUE!	#VALUE!	#VALUE!	NA	Y	< Value, #3 - Replace #3 & #4 with Avg value = <0.0219
TCD	Am241	#VALUE!	#VALUE!	#VALUE!	NA	Y	< Value, #5 - Replace #5 & #6 with Avg value = <0.0216
TRAC	Am241	NS	2.75E+06	7.43E-05	NA	N	Unknown date, sample#, TRAC data, not used
Braun	Am241	4.88E+05	4.84E+05	1.31E-05	NA	N	Unknown sample date, Braun data, not used
Wastren	Am241	4.88E+05	4.84E+05	1.31E-05	NA	N	Wastren data, not used
RAW	Am241	4.88E+05	4.87E+05	1.32E-05	AZ101-25	Y	Data from AZ101-22
Raw	Am241	5.87E+02	5.86E+02	1.58E-08	AZ101-19	Y	
Raw	Am241	5.86E+02	5.85E+02	1.58E-08	AZ101-19	N	Combined supernate from the washed solids
TRAC	C14	3.33E+05	3.32E+05	8.98E-06	NA	N	TRAC data, not used
Raw	C14	5.77E+04	5.77E+04	1.56E-06	AZ101-19	Y	
Wastren	C14	5.33E+04	5.33E+04	1.44E-06	NA	N	Wastren data, not used
Braun	C14	5.33E+04	5.32E+04	1.44E-06	NA	N	Braun data, not used
Raw	C14	5.33E+04	5.33E+04	1.44E-06	AZ101-25	Y	Data from AZ101-22
Braun	C14	3.92E+04	3.92E+04	1.06E-06	NA	N	Braun data, not used
Raw	C14	3.92E+04	3.92E+04	1.06E-06	AZ101-7	Y	
Raw	C14	5.87E+01	5.87E+01	1.59E-09	AZ101-19	N	Duplicate
Raw	C14	2.93E+01	2.93E+01	7.91E-10	AZ101-19	N	Combined supernate from the washed solids
Raw	Cm243/244	#VALUE!	#VALUE!	#VALUE!	AZ101-19	N	Combined supernate from the washed solids
Raw	Cm243/244	#VALUE!	#VALUE!	#VALUE!	AZ101-19	Y	Combined supernate from the washed solids
TRAC	Cm243/244	NS	5.44E+03	1.47E-07	NA	N	TRAC data, not used
Wastren	Cm243/244	5.33E+03	4.28E+03	1.16E-07	NA	N	Wastren data, not used
RAW	Cm243/244	5.33E+03	4.86E+03	1.31E-07	AZ101-25	Y	Data from AZ101-22
Braun	Cm243/244	4.44E+00	3.63E+00	9.81E-11	NA	N	Braun data, not used
Raw	Co60	#VALUE!	#VALUE!	#VALUE!	AZ101-19	N	Combined supernate from the washed solids
Raw	Co60	#VALUE!	#VALUE!	#VALUE!	AZ101-19	Y	< Value
Raw	Co60	#VALUE!	#VALUE!	#VALUE!	AZ101-24	Y	
RAW	Co60	3.70E+04	4.15E+03	1.12E-07	AZ101-1	N	Data from pre-Q3-1984
HTCE Inv.	Cs-137	9.33E+10	9.33E+10	2.52E+00	NA	N	HTCE Data
TCD	Cs-137	5.88E+10	5.88E+10	1.59E+00	NA	Y	#1, - Avg. Value of #1 & #6 = 1590
TCD	Cs-137	5.86E+10	5.86E+10	1.59E+00	NA	Y	#2, - Avg. Value of #2 & #5 = 1585
TCD	Cs-137	5.86E+10	5.86E+10	1.59E+00	NA	Y	#3, - Avg. Value of #3 & #4 = 1585
TRAC	Cs137	NS	2.20E+08	5.95E-03	NA	N	TRAC data, not used
RAW	Cs137	1.03E+11	9.07E+10	2.45E+00	AZ101-19	Y	
Braun	Cs137	8.40E+10	7.11E+10	1.92E+00	NA	N	Braun data, not used
RAW	Cs137	8.40E+10	7.54E+10	2.04E+00	AZ101-22	Y	
RAW	Cs137	8.40E+10	7.18E+10	1.94E+00	AZ101-16	Y	
RAW	Cs137	8.14E+10	6.66E+10	1.80E+00	AZ101-9	N	Duplicate
Braun	Cs137	7.81E+10	6.43E+10	1.74E+00	NA	N	Braun data, not used
RAW	Cs137	7.81E+10	7.01E+10	1.89E+00	AZ101-21	Y	
RAW	Cs137	7.81E+10	6.51E+10	1.76E+00	AZ101-12	Y	
Braun	Cs137	7.55E+10	6.68E+10	1.81E+00	NA	N	Braun data, not used
Wastren	Cs137	7.55E+10	6.61E+10	1.79E+00	NA	N	from? sample date is different, Wastren data, not used
RAW	Cs137	7.55E+10	7.14E+10	1.93E+00	AZ101-25	Y	Data from AZ101-22
Braun	Cs137	4.92E+10	3.97E+10	1.07E+00	NA	N	Braun data, not used
RAW	Cs137	4.92E+10	3.97E+10	1.07E+00	AZ101-7	Y	
RAW	Cs137	4.77E+10	3.85E+10	1.04E+00	AZ101-7	N	Aliquots diluted - are A, B corrected for this dilution?
RAW	Cs137	4.59E+10	3.70E+10	1.00E+00	AZ101-7	N	Aliquots diluted - are A, B corrected for this dilution?
Braun	Cs137	4.03E+10	3.27E+10	8.84E-01	NA	N	Braun data, not used
RAW	Cs137	4.03E+10	3.62E+10	9.78E-01	AZ101-21	Y	

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Co
Cs137	1/10/86	NA	11/1/85	NA	NA	NA	NA	1090000	uCi/L	L
Cs137	11/18/85	NS	NS	RAT-AZ101-1A	NS	NS	NS	595000	uCi/l	L
Cs137	2/5/90	NA	6/1/84	R100984	NA	NA	NA	360000	uCi/L	F
Cs137	6/1/84	NS	NS	RAT-AZ101-2A	NS	NS	NS	360000	uCi/l	L
Cs137	6/1/84	NS	NS	RAT-AZ101-2B	NS	NS	NS	350000	uCi/l	L
Cs137	9/10/84	NA	6/1/84	NA	NA	NA	NA	350000	uCi/L	P
Cs137	12/28/83	NS	NS	R281283	NS	NS	NS	234000	uCi/L	F
Cs137	8/27/81	NS	NS	NS	NS	NS	1.143	129000	uCi/L	F
Cs137	1/10/86	NA	11/1/85	NA	NA	NA	NA	41000	uCi/L	L
Cs137	9/10/84	NA	6/1/84	NA	NA	NA	NA	360000	uCi/L	P
Cs137	1/10/86	NA	11/1/85	NA	NA	NA	NA	14800	uCi/L	L
Cs-137	9/1/93	NA	4/1/89	Core 2	NA	NA	1.22	2540	uCi/g	P
Cs-137	9/1/93	NA	4/1/89	Core 2	NA	NA	(1.2)	1930	uCi/g	P
Cs-137	9/1/93	NA	4/1/89	Core 2	NA	NA	(1.2)	1930	uCi/g	P
Cs-137	9/1/93	NA	4/1/89	Core 2	NA	NA	(1.2)	996	uCi/g	P
Cs-137	9/1/93	NA	4/1/89	Core 2	NA	NA	(1.2)	899	uCi/g	P
Cs-137	9/1/93	NA	4/1/89	Core 2	NA	NA	1.14	363	uCi/g	P
Cs137	4/26/78	NS	NS	NS	NS	NS	NS	119	uCi/L	L
Eu154	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	6600	uCi/L	P
Eu154	4/26/78	NS	NS	NS	NS	NS	NS	3.5	uCi/L	L
I-129	9/1/93	NA	4/1/89	Core 2	NA	NA	1.14	< 0.00000040	uCi/g	P
I-129	9/1/93	NA	4/1/89	Core 2	NA	NA	1.22	< 0.00000063	uCi/g	P
I-129	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.0006	uCi/gm	P
I-129	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	0.72	uCi/L	P
I129	1/1/81	NS	NS	NS	NS	NS	NS	50.52023697	ug/L	L
Np-237	9/1/93	NA	4/1/89	Core 2	NA	NA	1.14	< 0.00000041	uCi/g	P
Np-237	9/1/93	NA	4/1/89	Core 2	NA	NA	1.22	< 0.00000069	uCi/g	P
Np-237	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	< 0.0708	uCi/L	P
Np-237	1/10/86	NA	11/1/85	NA	NA	NA	NA	26800	uCi/L	L
Plutonium-238	7/26/95	NA	3/3/95	B0D9P6	NA	NA	1.19	<2.94E-05	uCi/mL	L
Plutonium-238	7/26/95	NA	3/3/95	B0D9P7	NA	NA	1.18	<3.54E-05	uCi/mL	L
Plutonium-238	7/26/95	NA	3/3/95	B0D9P9	NA	NA	1.20	<6.11E-05	uCi/mL	L
Pu238	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	<0.0792	uCi/L	P
Pu238	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Pu238	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.000066	uCi/gm	L
Pu238	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.000066	uCi/gm	P
Pu238	4/1/89	NS	NS	NS	NS	NS	NS	NS	NS	P
Plutonium-239/240	7/26/95	NA	3/3/95	B0D9P6	NA	NA	1.19	<2.94E-05	uCi/mL	L
Plutonium-239/240	7/26/95	NA	3/3/95	B0D9P7	NA	NA	1.18	<3.54E-05	uCi/mL	L
Plutonium-239/240	7/26/95	NA	3/3/95	B0D9P9	NA	NA	1.20	<6.11E-05	uCi/mL	L
Pu	9/10/84	NA	6/1/84	NA	NA	NA	NA	9.44	uCi/L	P
Pu	6/1/84	NS	NS	RAT-AZ101-2A	NS	NS	NS	9.44	uCi/l	L
Pu	9/10/84	NA	6/1/84	NA	NA	NA	NA	8.28	uCi/L	P
Pu	6/1/84	NS	NS	RAT-AZ101-2B	NS	NS	NS	8.28	uCi/l	L
Pu-239/240	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.00043	uCi/gm	L
Pu-239	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.00034	uCi/gm	L
Pu-239	7/30/92	NA	4/1/89	NA	NA	NA	NA	0.408	uCi/L	P
Pu-239/240	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	0.113	uCi/L	P
Pu239/240	12/4/86	3/20/86	11/1/85	L1	NA	NA	1.24	1.00E-05	uCi/mL	P
PU-239/240	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.00043	uCi/g	P
Pu241	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Pu241	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.0036	uCi/gm	L

Source	Radionuclide Information				Reference Number	Validated (Y/N)	Notes
	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)			
RAW	Cs137	4.03E+10	3.35E+10	9.05E-01	AZ101-8	Y	
Braun	Cs137	2.20E+10	1.78E+10	4.81E-01	NA	N	Braun data, not used
RAW	Cs137	1.33E+10	1.20E+10	3.24E-01	AZ101-17	N	Data is pre-3rd qtr 1984
Braun	Cs137	1.33E+10	1.04E+10	2.81E-01	NA	N	Braun data, not used
Braun	Cs137	1.30E+10	1.02E+10	2.76E-01	NA	N	Braun data, not used
RAW	Cs137	1.30E+10	1.02E+10	2.76E-01	AZ101-6	N	Data is pre-3rd qtr 1984
RAW	Cs137	8.66E+09	7.78E+09	2.10E-01	AZ101-4	N	Data is pre-3rd qtr 1984
RAW	Cs137	4.77E+09	3.51E+09	9.49E-02	AZ101-3	N	Data is pre-3rd qtr 1984
RAW	Cs137	1.52E+09	1.23E+09	3.32E-02	AZ101-8	N	Water soluble fraction (water wash)
RAW	Cs137	1.33E+09	1.05E+09	2.84E-02	AZ101-6	N	Misprinted value. Should be 3.60E+05, duplicate
RAW	Cs137	5.48E+08	4.45E+08	1.20E-02	AZ101-8	N	Acid washed fraction
Raw	Cs137	1.15E+08	1.11E+08	3.01E-03	AZ101-19	N	Duplicate
Raw	Cs137	8.57E+07	8.31E+07	2.25E-03	AZ101-19	N	Layer Sample - L1, solids sample
Raw	Cs137	8.57E+07	8.31E+07	2.25E-03	AZ101-19	N	Layer Sample - L2, solids sample
Raw	Cs137	4.42E+07	4.29E+07	1.16E-03	AZ101-19	N	Layer Sample - L3, solids sample
Raw	Cs137	3.99E+07	3.87E+07	1.05E-03	AZ101-19	N	Layer Sample - L4, solids sample
Raw	Cs137	1.53E+07	1.48E+07	4.01E-04	AZ101-19	N	Combined supernate from the washed solids
RAW	Cs137	4.40E+06	3.00E+06	8.11E-05	AZ101-1	N	Data is pre-3rd qtr 1984 data
RAW	Eu154	2.44E+08	2.02E+08	5.46E-03	AZ101-25	Y	< Value, from AZ101-22
RAW	Eu154	1.30E+05	3.46E+04	9.35E-07	AZ101-1	N	Data is pre-3rd qtr 1984
Raw	I129	#VALUE!	#VALUE!	#VALUE!	AZ101-19	N	Combined supernate from the washed solids, < Value
Raw	I129	#VALUE!	#VALUE!	#VALUE!	AZ101-19	Y	< Value
Braun	I129	2.66E+04	2.66E+04	7.20E-07	NA	N	Braun data, not used
Raw	I129	2.66E+04	2.66E+04	7.20E-07	AZ101-25	Y	< Value, from AZ101-22
TRAC	I129	2.99E+02	2.99E+02	8.08E-09	NA	N	TRAC data, not used
Raw	Np237	#VALUE!	#VALUE!	#VALUE!	AZ101-19	N	Combined supernate from the washed solids, < Value
Raw	Np237	#VALUE!	#VALUE!	#VALUE!	AZ101-19	Y	< Value
RAW	Np237	#VALUE!	#VALUE!	#VALUE!	AZ101-25	Y	< Value, from AZ101-22
RAW	Np237	9.92E+08	9.92E+08	2.68E-02	AZ101-8	N	Data is for acid washed fraction
TCD	Pu238	#VALUE!	#VALUE!	#VALUE!	NA	N	"<" values
TCD	Pu238	#VALUE!	#VALUE!	#VALUE!	NA	N	"<" values
TCD	Pu238	#VALUE!	#VALUE!	#VALUE!	NA	N	"<" values
RAW	Pu238	#VALUE!	#VALUE!	#VALUE!	AZ101-25	Y	< Value, from AZ101-22
TRAC	Pu238	NS	2.32E+01	6.27E-10	NA	N	TRAC data, not used
Braun	Pu238	2.93E+03	2.81E+03	7.59E-08	NA	N	Braun data, not used
Braun	Pu238	2.93E+03	2.81E+03	7.59E-08	NA	N	Braun data, not used
Wastren	Pu238	2.93E+03	2.80E+03	7.57E-08	NA	N	From sample #7, Wastren data, not used
TCD	Pu239/240	#VALUE!	#VALUE!	#VALUE!	NA	N	"<" values
TCD	Pu239/240	#VALUE!	#VALUE!	#VALUE!	NA	N	"<" values
TCD	Pu239/240	#VALUE!	#VALUE!	#VALUE!	NA	N	"<" values
Raw	Pu239/240	3.49E+05	3.49E+05	9.44E-06	AZ101-6	Y	
Braun	Pu239/240	3.49E+05	3.49E+05	9.43E-06	NA	N	RAT sample # not a match to other data, Braun data, not used
Raw	Pu239/240	3.06E+05	3.06E+05	8.28E-06	AZ101-6	Y	
Braun	Pu239/240	3.06E+05	3.06E+05	8.27E-06	NA	N	RAT sample # not a match to other data, Braun data, not used
Braun	Pu239/240	1.91E+04	1.91E+04	5.16E-07	NA	N	RAT sample # not a match to other data, Braun data, not used
Braun	Pu239/240	1.51E+04	1.51E+04	4.08E-07	NA	N	RAT sample # not a match to other data, Braun data, not used
RAW	Pu239/240	1.51E+04	1.51E+04	4.08E-07	AZ101-25	N	Value is for Pu239 ONLY
RAW	Pu239/240	4.18E+03	4.18E+03	1.13E-07	AZ101-25	N	Value is for Pu240 ONLY
Raw	Pu239/240	3.70E+02	3.70E+02	1.00E-08	AZ101-11	Y	
RAW	Pu239/240	1.91E+01	1.91E+01	5.16E-10	AZ101-24	Y	
TRAC	Pu241	NS	4.46E-01	1.21E-11	NA	N	TRAC data, not used
Braun	Pu241	1.60E+05	1.24E+05	3.35E-06		N	Braun data, not used

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Cod
Pu241	4/1/89	NS	NS	NS	NS	NS	NS	NS	NS	P
Pu241	9/29/89	NA	4/1/89	Core 1	NA	NA	NA	0.0036	uCi/L	P
Sb-125	4/8/86	NA	11/1/85	NA	NA	NA	1.17	120000	uCi/L	L
Sb-125	1/10/86	NA	11/1/85	NA	NA	NA	NA	28800	uCi/L	S
Sb-125	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	25200	uCi/L	P
Sb-125	4/26/78	NS	NS	NS	NS	NS	NS	2.02	uCi/L	L
Se79	1/1/81	NS	NS	NS	NS	NS	NS	2.325650089	ug/L	L
Se-79	9/1/93	NA	4/1/89	Core 2	NA	NA	NA	0.00215	uCi/g	P
Se-79	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.00021	uCi/gm	P
Se-79	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	0.252	uCi/L	P
Se-79	9/1/93	NA	4/1/89	Core 2	NA	NA	1.22	0.00215	uCi/g	P
Se-79	9/1/93	NA	4/1/89	Core 2	NA	NA	1.14	0.000332	uCi/g	P
Sn126	1/1/81	NS	NS	NS	NS	NS	NS	82.79982078	ug/L	L
Sr90	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Sr	NA	NA	NA	NA	NA	NA	1.12432389	0.006582357	Ci/L	L
Sr90	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	4.8	uCi/gm	L
Sr89/90	4/1/89	NS	NS	NS	NS	NS	NS	NS	NS	P
Sr90	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	5760	uCi/L	P
Sr90	9/13/85	NA	NA	R130985	NA	NA	NA	2110	uCi/L	P
Sr90	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	2110	uCi/L	L
Sr90	9/13/85	NA	NA	NA	NA	NA	1.17	2110	uCi/L	P
Sr90	11/18/85	NS	NS	RAT-AZ101-1A	NS	NS	NS	2000	uCi/L	L
Sr90	3/11/88	NA	NA	T3494	NA	NA	NA	1660	uCi/L	P
Sr89/90	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	1660	uCi/L	L
Sr90	10/30/90	NA	5/2/90	R110388	NA	NA	NA	1660	uCi/L	P
Sr90	2/8/89	NA	10/1/87	T3493	NA	NA	NA	1660	uCi/L	P
Strontium-90	7/26/95	NA	3/3/95	B0D9P6	NA	NA	1.19	1.23	uCi/mL	L
Strontium-90	7/26/95	NA	3/3/95	B0D9P7	NA	NA	1.18	1.18	uCi/mL	L
Strontium-90	7/26/95	NA	3/3/95	B0D9P9	NA	NA	1.20	1.18	uCi/mL	L
Sr90	1/10/86	NA	11/1/85	NA	NA	NA	NA	1160	uCi/L	L
Sr90	10/30/90	NA	5/2/90	R101283	NA	NA	NA	206	uCi/L	P
Sr90	1/10/86	NA	11/1/85	NA	NA	NA	NA	203	uCi/L	L
Sr90	1/10/86	NA	11/1/85	NA	NA	NA	NA	203	uCi/L	P
Sr90	4/8/86	NA	11/1/85	NA	NA	NA	1.17	200	uCi/L	L
Sr90	10/29/90	NA	5/2/90	R100984	NA	NA	NA	178	uCi/L	P
Sr90	9/10/84	NA	6/1/84	NA	NA	NA	NA	178	uCi/L	P
Sr90	6/1/84	NS	NS	RAT-AZ101-2A	NS	NS	NS	178	uCi/L	L
Sr90	9/10/84	NA	6/1/84	NA	NA	NA	NA	169	uCi/L	P
Sr90	6/1/84	NS	NS	RAT-AZ101-2B	NS	NS	NS	169	uCi/L	L
Sr90	8/27/81	NS	NS	NS	NS	NS	1.143	3.57	uCi/L	F
Sr90	12/28/83	NS	NS	R281283	NS	NS	NA	1.11	uCi/L	P
Sr-90	9/1/93	NA	4/1/89	Core 2	NA	NA	1.22	3.47	uCi/g	P
Sr-90	9/1/93	NA	4/1/89	Core 2	NA	NA	1.14	1.58	uCi/g	P
Tc-99	9/10/87	NA	NA	1	NA	NA	NA	12000	mCi/L	P
Tc-99	9/10/87	NA	NA	2	NA	NA	NA	6380	mCi/L	P
Tc-99	9/10/87	NA	NA	3	NA	NA	NA	6380	mCi/L	P
Tc-99	4/8/86	NA	11/1/85	NA	NA	NA	1.17	12000	uCi/L	L
Tc-99	1/10/86	NA	11/1/85	NA	NA	NA	NA	6380	uCi/L	L
Tc-99	3/11/88	NA	NA	T3494	NA	NA	NA	5300	uCi/L	L
Tc-99	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	3680	uCi/L	P
Tc-99	9/13/85	NA	NA	NA	NA	NA	1.17	3680	uCi/L	P
Tc-99	4/8/86	NA	11/1/85	NA	NA	NA	1.17	2000	uCi/L	P
Tc-99	11/18/85	NS	NS	RAT-AZ101-1A	NS	NS	NS	1950	uCi/L	P
Tc-99	1/10/86	NA	11/1/85	NA	NA	NA	NA	1950	uCi/L	P
Tc-99	3/11/88	NA	NA	T3494	NA	NA	NA	402	uCi/L	L
Tc-99	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	402	uCi/L	P
Tc-99	2/8/89	NA	10/1/87	T3493	NA	NA	NA	402	uCi/L	L

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Wastren	Pu241	1.60E+05	1.21E+05	3.27E-06	NA	N	Wastren data, not used
RAW	Pu241	1.33E+02	1.03E+02	2.80E-09	AZ101-24	Y	
Raw	Sb125	4.44E+09	4.95E+08	1.34E-02	AZ101-9	N	Duplicate
Raw	Sb125	1.07E+09	1.12E+08	3.02E-03	AZ101-8	N	Acid Washed Fraction
Raw	Sb125	9.32E+08	5.08E+08	1.37E-02	AZ101-25	Y	Data from AZ101-22
Raw	Sb125	7.47E+04	1.13E+03	3.06E-08	AZ101-1	N	Data is pre-3rd qtr 1984
TRAC	Se79	NS	#VALUE!	#VALUE!	NA	N	TRAC data, not used
Raw	Se79	9.55E+04	9.55E+04	2.58E-06	AZ101-19	Y	
Braun	Se79	9.32E+03	9.32E+03	2.52E-07	NA	N	Braun data, not used
Raw	Se79	9.32E+03	9.32E+03	2.52E-07	AZ101-25	Y	Data from AZ101-22
Raw	Se79	9.71E+01	9.70E+01	2.62E-09	AZ101-19	N	Duplicate
Raw	Se79	1.40E+01	1.40E+01	3.78E-10	AZ101-19	N	Combined supernate from the washed solids
TRAC	Sn126	NS	#VALUE!	#VALUE!	NA	N	TRAC data, not used
TRAC	Sr89/90	NS	5.23E+09	1.41E-01	NA	N	TRAC data, not used
HTCE Inv.	Sr89/90	2.44E+08	2.44E+08	6.58E-03	NA	N	HTCE Data
Braun	Sr89/90	2.13E+08	1.88E+08	5.08E-03	NA	N	Braun data, not used
Wastren	Sr89/90	2.13E+08	1.86E+08	5.03E-03	NA	N	Wastren data, not used
RAW	Sr89/90	2.13E+08	2.01E+08	5.43E-03	AZ101-25	Y	Data from AZ101-22
RAW	Sr89/90	7.81E+07	6.98E+07	1.89E-03	AZ101-7	N	Duplicate
Braun	Sr89/90	7.81E+07	6.24E+07	1.69E-03	NA	N	Braun data, not used
RAW	Sr89/90	7.81E+07	6.24E+07	1.69E-03	AZ101-7	Y	
Braun	Sr89/90	7.40E+07	5.94E+07	1.61E-03	NA	N	Sample #, date are wrong, Braun data, not used
RAW	Sr89/90	6.14E+07	5.22E+07	1.41E-03	AZ101-15	N	Duplicate of data from AZ101-14
Braun	Sr89/90	6.14E+07	5.16E+07	1.39E-03	NA	N	Braun data, not used
RAW	Sr89/90	6.14E+07	5.49E+07	1.48E-03	AZ101-22	Y	
RAW	Sr89/90	6.14E+07	5.22E+07	1.41E-03	AZ101-16	Y	
TCD	Sr89/90	4.55E+07	4.55E+07	1.23E-03	NA	Y	#1, Avg Value of #1 & #2 - 1.23
TCD	Sr89/90	4.37E+07	4.37E+07	1.18E-03	NA	Y	#3, Avg value of #3 & #6 - 1.18
TCD	Sr89/90	4.37E+07	4.37E+07	1.18E-03	NA	Y	#4, Avg value of #4 & #5 = 1.18
RAW	Sr89/90	4.29E+07	3.46E+07	9.35E-04	AZ101-8	N	Water soluble fraction
RAW	Sr89/90	7.62E+06	6.81E+06	1.84E-04	AZ101-22	Y	
RAW	Sr89/90	7.51E+06	6.19E+06	1.67E-04	AZ101-8	N	Duplicate
RAW	Sr89/90	7.51E+06	6.06E+06	1.64E-04	AZ101-8	Y	
RAW	Sr89/90	7.40E+06	6.00E+06	1.62E-04	AZ101-9	N	Duplicate
RAW	Sr89/90	6.59E+06	5.89E+06	1.59E-04	AZ101-21	N	1984 sample (New analysis), Sample Date is Pre-Q3 1984
RAW	Sr89/90	6.59E+06	5.15E+06	1.39E-04	AZ101-6	N	Data is pre-3rd qtr 1984
Braun	Sr89/90	6.59E+06	5.11E+06	1.38E-04	NA	N	Braun data, not used
RAW	Sr89/90	6.25E+06	4.88E+06	1.32E-04	AZ101-6	N	Data is pre-3rd qtr 1984
Braun	Sr89/90	6.25E+06	4.85E+06	1.31E-04	NA	N	Braun data, not used
RAW	Sr89/90	1.32E+05	9.59E+04	2.59E-06	AZ101-3	N	Data is pre-3rd qtr 1984
RAW	Sr89/90	4.11E+04	3.67E+04	9.92E-07	AZ101-4	N	Data is pre-3rd qtr 1984
Raw	Sr90	1.57E+05	1.57E+05	4.23E-06	AZ101-19	Y	
Raw	Sr90	6.66E+04	6.66E+04	1.80E-06	AZ101-19	N	Combined supernate from the washed solids
Raw	Tc99	4.44E+10	4.44E+10	1.20E+00	AZ101-14	N	Slurry Samples
Raw	Tc99	2.36E+10	2.36E+10	6.38E-01	AZ101-14	N	Slurry Samples
Raw	Tc99	2.36E+10	2.36E+10	6.38E-01	AZ101-14	N	Slurry Samples
Raw	Tc99	4.44E+08	4.44E+08	1.20E-02	AZ101-9	N	Sample state is slurry
Raw	Tc99	2.36E+08	2.36E+08	6.38E-03	AZ101-8	N	Sample state is slurry
Raw	Tc99	1.96E+08	1.96E+08	5.30E-03	AZ101-15	N	Sample is from solids
Braun	Tc99	1.36E+08	1.36E+08	3.68E-03	NA	N	Braun data, not used
Raw	Tc99	1.36E+08	1.36E+08	3.68E-03	AZ101-7	Y	
Raw	Tc99	7.40E+07	7.40E+07	2.00E-03	AZ101-9	N	Duplicate
Braun	Tc99	7.22E+07	7.21E+07	1.95E-03	NA	N	Braun data, not used
Raw	Tc99	7.22E+07	7.21E+07	1.95E-03	AZ101-8	Y	
Raw	Tc99	1.49E+07	1.49E+07	4.02E-04	AZ101-15	N	Duplicate of data from AZ101-14
Braun	Tc99	1.49E+07	1.49E+07	4.02E-04	NA	N	Braun data, not used
Raw	Tc99	1.49E+07	1.49E+07	4.02E-04	AZ101-16	Y	

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Tc-99	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.32	uCi/gm	P
Tc-99	7/30/92	NA	4/1/89	Core 1	NA	NA	NA	384	uCi/L	P
Tc99	4/1/89	NS	NS	NS	NS	NS	NS	14200000	Bq/L	P
Tc-99	9/1/93	NA	4/1/89	Core 2	NA	NA	NA	0.271	uCi/g	P
Tc-99	3/11/88	NA	NA	T3494	NA	NA	NA	32	uCi/L	L
Tc99	1/1/81	NS	NS	NS	NS	NS	NS	335.1421317	ug/L	L
Tc-99	9/1/93	NA	4/1/89	Core 2	NA	NA	1.22	0.271	uCi/g	P
Tc-99	9/1/93	NA	4/1/89	Core 2	NA	NA	1.14	0.0464	uCi/g	P
Y90	NS	NS	NS	NS	NS	NS	NS	NS	NS	L

Vaste Characterization Database
 Tank 241-AZ-101

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Braun	Tc99	1.42E+07	1.42E+07	3.84E-04	NA	N	Braun data, not used
Raw	Tc99	1.42E+07	1.42E+07	3.84E-04	AZ101-25	Y	Data from AZ101-22
Wastren	Tc99	1.42E+07	1.42E+07	3.84E-04	NA	N	No date, no sample # (Duplicate of Raw data??), Wastren data, not used
Raw	Tc99	1.20E+07	1.20E+07	3.25E-04	AZ101-19	Y	
Raw	Tc99	1.18E+06	1.18E+06	3.20E-05	AZ101-15	N	Acid Wash sample
TRAC	Tc99	2.11E+05	2.11E+05	5.70E-06	NA	N	TRAC data, not used
Raw	Tc99	1.22E+04	1.22E+04	3.31E-07	AZ101-19	N	Duplicate
Raw	Tc99	1.96E+03	1.96E+03	5.29E-08	AZ101-19	N	Combined supernate from the washed solids
TRAC	Y90	NS	7.40E+09	2.00E-01	NA	N	TRAC data, not used

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Americium-241	3/2/91	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	<4.29E-03	uCi/mL	P-1
Americium-241	3/2/91	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	<4.29E-03	uCi/mL	P-1
Americium-241	3/2/91	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	<4.29E-03	uCi/mL	P-2
Americium-241	3/2/91	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	<4.39E-03	uCi/mL	P-2
Americium-241	3/2/91	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	<4.53E-03	uCi/mL	P-2
Americium-241	3/2/91	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	<4.62E-03	uCi/mL	P-1
Am241	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Am241	8/1/85	NS	NS	NS	NS	NS	NS	NS	NS	S
Am241	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	2.50E+01	uCi/g	EI
Am241	7/6/84	NS	NS	T3496A	NS	NS	NS	8.18E+03	uCi/L	S
Am241	7/6/84	NS	NS	T3496B	NS	NS	NS	6.71E+03	uCi/L	S
Am241	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	1.79E-03	gm/l	S
Am241	5/6/82	NS	NS	NS	NS	NS	NS	1.79E-03	g/L	S
Am241	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	1.89E-05	gm/l	S
Am241	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	6.70E-07	gm/l	L
Am241	5/6/82	NS	NS	NS	NS	NS	1.09	6.70E-07	g/L	P
Am241	8/1/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Am241	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	1.30E-03	uCi/g	CI
Am241	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	<1.20E-03	uCi/g	FI
Am241	5/6/82	NS	NS	NS	NS	NS	1.26	1.89E-05	uCi/L	G
C-14	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	1.06E-03	uCi/g	CI
C-14	9/1/89	NS	NS	NS	NS	NS	1.36	1.50E-01	uCi/g	S
C-14	9/1/89	NS	NS	NS	NS	NS	1.11	6.00E-02	uCi/g	S
C14	1/1/77	NS	NS	NS	NS	NS	NS	3.34E+00	ug/L	L
C14	8/1/85	NS	NS	NS	NS	NS	NS	1.01E+05	Bq/L	S
C-14	9/1/89	NS	NS	NS	NS	NS	1.49	1.83E-03	uCi/g	S
C-14	9/1/89	NS	NS	NS	NS	NS	1.49	1.06E-03	uCi/g	P
C14	8/1/85	NS	NS	NS	NS	NS	NS	4.63E+04	Bq/L	P
Cm244	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Cm243/244	9/1/89	NS	NS	NS	NS	NS	1.49	3.77E-01	uCi/g	S
Cm244	8/1/85	NS	NS	NS	NS	NS	NS	NS	NS	S
Co-60	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	<1.70E-01	uCi/g	CI
Co60	5/3/86	NS	NS	L1	NS	NS	NS	1.90E+01	uCi/g	I
Co60	5/3/86	NS	NS	L4	NS	NS	NS	1.69E+01	uCi/g	I
Co60	5/3/86	NS	NS	L3	NS	NS	NS	1.00E+00	uCi/g	I
Co60	4/26/74	NS	NS	NS	NS	NS	1.299	2.59E+02	uCi/L	L
Cs137	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Cs	NS	NS	NS	NS	NS	NS	1.3927616	2.12E+00	Cl/L	S
Cs137	5/3/86	NS	NS	L1	NS	NS	NS	9.50E+02	uCi/g	I
Cs137	5/3/86	NS	NS	L4	NS	NS	NS	9.26E+02	uCi/g	I
Cs	NS	NS	NS	NS	NS	NS	1.03625374	1.34E+00	Cl/L	L
Cs137	8/1/85	NS	NS	NS	NS	NS	NS	NS	NS	S
Cs137	5/3/86	NS	NS	L3	NS	NS	NS	7.49E+02	uCi/g	I
Cesium-137	3/2/91	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	1.06E+03	uCi/mL	P-1
Cesium-137	3/2/91	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	1.05E+03	uCi/mL	P-1
Cesium-137	3/2/91	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	1.05E+03	uCi/mL	P-2
Cesium-137	3/2/91	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	1.04E+03	uCi/mL	P-1
Cesium-137	3/2/91	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	1.03E+03	uCi/mL	P-2
Cesium-137	3/2/91	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	1.03E+03	uCi/mL	P-2

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Raw	Am241	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
Raw	Am241	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
Raw	Am241	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
Raw	Am241	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
Raw	Am241	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
Raw	Am241	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
TRAC	Am241	NS	NS	NS	NA	N	Privitization is not using TRAC data
Vastren	Am241	5.57E+09	5.52E+09	1.49E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Am241	1.02E+09	1.01E+09	2.73E-02	AZ102-23	N	Solid sample after has been washed with fresh water
Raw	Am241	3.03E+08	3.00E+08	8.11E-03	AZ102-16	N	Analysis prior to 7/89
Raw	Am241	2.48E+08	2.46E+08	6.65E-03	AZ102-16	N	Analysis prior to 7/89
Braun	Am241	2.15E+08	2.11E+08	5.70E-03	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Am241	2.15E+08	2.12E+08	5.73E-03	AZ102-11	N	Analysis prior to 7/89
Braun	Am241	2.27E+06	2.23E+06	6.03E-05	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Braun	Am241	8.03E+04	7.92E+04	2.14E-06	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Am241	8.03E+04	7.92E+04	2.14E-06	AZ102-11	N	Analysis prior to 7/89
Vastren	Am241	5.68E+04	5.63E+04	1.52E-06	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Am241	5.48E+04	5.44E+04	1.47E-06	AZ102-23	Y	
Raw	Am241	<4.40E+04	<4.36E+04	<1.18E-06	AZ102-23	N	Water wash of solid sample not supernatant
Raw	Am241	6.99E-01	6.90E-01	1.86E-11	AZ102-11	N	Analysis prior to 7/89
Raw	C-14	4.43E+04	4.43E+04	1.20E-06	AZ102-23	Y	
Raw	C14	7.55E+06	7.55E+06	2.04E-04	AZ102-23	N	Not currently of interest to privitization
Raw	C14	2.46E+06	2.46E+06	6.66E-05	AZ102-23	N	Not currently of interest to privitization
TRAC	C14	5.51E+05	5.50E+05	1.49E-05	NA	N	Not currently of interest to privitization
Vastren	C14	1.01E+05	1.01E+05	2.73E-06	NA	N	Not currently of interest to privitization
Raw	C14	1.01E+05	1.01E+05	2.73E-06	AZ102-23	N	Not currently of interest to privitization
Raw	C14	5.84E+04	5.84E+04	1.58E-06	AZ102-23	N	Not currently of interest to privitization
Vastren	C14	4.63E+04	4.63E+04	1.25E-06	NA	N	Not currently of interest to privitization
TRAC	Cm243/244	NS	NS	NS	NA	N	Not currently of interest to privitization
Raw	Cm243/244	2.08E+07	1.98E+07	5.35E-04	AZ102-23	N	Not currently of interest to privitization
Vastren	Cm243/244	2.08E+07	1.69E+07	4.57E-04	NA	N	Not currently of interest to privitization
Raw	Co-60	#VALUE!	#VALUE!	#VALUE!	AZ102-23	Y	
Raw	Co60	1.12E+09	6.10E+08	1.65E-02	AZ102-17	N	Repeated data from report AZ-102-17
Raw	Co60	1.00E+09	5.43E+08	1.47E-02	AZ102-17	N	Repeated data from report AZ-102-17
Raw	Co60	5.92E+07	3.21E+07	8.68E-04	AZ102-17	N	Repeated data from report AZ-102-17
Raw	Co60	9.58E+06	1.08E+06	2.92E-05	AZ102-1	N	Analysis prior to 7/89
TRAC	Cs137	NS	3.15E+07	8.51E-04	NA	N	Privitization is not using TRAC data
ICE Inv.	Cs137	7.84E+10	7.84E+10	2.12E+00	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	5.62E+10	5.05E+10	1.36E+00	AZ102-17	N	Repeated data from report AZ-102-17
Raw	Cs137	5.48E+10	4.92E+10	1.33E+00	AZ102-17	N	Repeated data from report AZ-102-17
ICE Inv.	Cs137	4.96E+10	4.96E+10	1.34E+00	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Vastren	Cs137	4.85E+10	4.28E+10	1.16E+00	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	4.43E+10	3.98E+10	1.08E+00	AZ102-17	N	Repeated data from report AZ-102-17
Raw	Cs137	3.92E+10	3.94E+10	1.06E+00	AZ102-24	Y	Updated per memo 8/17/95
Raw	Cs137	3.89E+10	3.90E+10	1.05E+00	AZ102-24	Y	Updated per memo 8/17/95
Raw	Cs137	3.89E+10	3.90E+10	1.05E+00	AZ102-24	Y	Updated per memo 8/17/95
Raw	Cs137	3.85E+10	3.86E+10	1.04E+00	AZ102-24	Y	Updated per memo 8/17/95
Raw	Cs137	3.81E+10	3.83E+10	1.03E+00	AZ102-24	Y	Updated per memo 8/17/95
Raw	Cs137	3.81E+10	3.83E+10	1.03E+00	AZ102-24	Y	Updated per memo 8/17/95

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Cs137	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	9.36E+05	uCi/l	L
Cs137	7/6/84	NS	NS	T3495	NS	NS	NS	9.36E+05	uCi/L	P
Cs137	3/11/84	NS	NS	NS	NS	NS	NS	9.36E+05	uCi/L	P
Cs137	10/31/86	NS	NS	R880311	NS	NS	NS	9.36E+05	uCi/L	P
Cs137	8/1/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Cs137	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	7.47E+02	uCi/g	CI
Cs137	7/13/84	NS	NS	T1520	NS	NS	NS	7.35E+05	uCi/L	P
Cs137	12/8/83	NS	NS	NS	NS	NS	NS	7.35E+05	uCi/L	P
Cs137	10/31/86	NS	NS	R081287	NS	NS	NS	7.35E+05	uCi/L	P
Cs137	8/27/77	NS	NS	RAT-AZ102-4B	NS	NS	1.39	3.75E-01	Ci/l	L
Cs137	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	3.31E-01	Ci/l	L
Cs137	6/26/75	NS	NS	NS	NS	NS	1.392	3.31E-01	Ci/L	S
Cs137	7/28/79	NS	NS	RAT-AZ102-4D	NS	NS	1.41	3.14E-01	Ci/l	L
Cs137	10/30/86	NS	NS	R280783	NS	NS	NS	3.14E+05	uCi/L	P
Cs137	7/28/79	NS	NS	NS	NS	NS	1.41	3.14E+05	uCi/L	P
Cs137	7/28/79	NS	NS	RAT-AZ102-6	NS	NS	1.41	3.14E+05	uCi/l	S
Cs137	12/3/75	NS	NS	1458	NS	NS	1.391	3.07E+05	uCi/L	S
Cs137	12/3/75	NS	NS	1457	NS	NS	1.398	3.01E+05	uCi/L	S
Cs137	12/3/75	NS	NS	1456	NS	NS	1.393	2.96E+05	uCi/L	S
Cs137	9/1/79	NS	NS	NS	NS	NS	NS	2.54E+05	uCi/L	G
Cs137	9/20/78	NS	NS	RAT-AZ102-4C	NS	NS	1.39	2.20E-01	Ci/l	L
Cs137	9/20/78	NS	NS	NS	NS	NS	1.39	2.20E-01	Ci/L	S
Cs137	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	1.46E+02	uCi/g	EI
Cs137	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	1.10E+02	uCi/g	FI
Cs137	2/4/81	NS	NS	R-3699	NS	NS	1.11	8.00E+04	uCi/l	L
Cs137	2/4/81	NS	NS	R-3700	NS	NS	1.11	7.89E+04	uCi/l	L
Cs137	7/6/84	NS	NS	T3496A	NS	NS	NS	7.54E+04	uCi/L	S
Cs137	3/11/84	NS	NS	A	NS	NS	11.9	7.54E+04	uCi/L	I
Cs137	7/6/84	NS	NS	T3496B	NS	NS	NS	6.95E+04	uCi/L	S
Cs137	3/11/84	NS	NS	B	NS	NS	12	6.95E+04	uCi/L	I
Cs137	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	5.79E+04	uCi/l	S
Cs137	5/6/82	NS	NS	NS	NS	NS	NS	5.79E+04	uCi/L	S
Cs137	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	4.87E+04	uCi/l	L
Cs137	5/6/82	NS	NS	NS	NS	NS	NS	4.87E+04	uCi/L	P
Cs137	5/6/82	NS	NS	NS	NS	NS	1.09	4.87E+04	uCi/L	P
Cs137	10/30/86	NS	NS	R060386	NS	NS	NS	4.87E+04	uCi/L	P
Cs137	7/6/84	NS	NS	T3496B	NS	NS	NS	2.12E+04	uCi/L	S
Cs137	4/26/74	NS	NS	NS	NS	NS	1.299	1.97E+04	uCi/L	L
Cs137	7/6/84	NS	NS	T3496A	NS	NS	NS	1.76E+04	uCi/L	S
Cs137	12/2/81	NS	NS	T3251	NS	NS	1.03	1.46E+04	uCi/L	L
Cs137	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	4.59E+03	uCi/l	S
Cs137	5/6/82	NS	NS	NS	NS	NS	1.26	4.59E+03	uCi/L	G
Cs137	1/30/82	NS	NS	T-5387	NS	NS	1.008	9.59E+02	uCi/l	L

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Braun	Cs137	3.46E+10	2.93E+10	7.92E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	3.46E+10	2.98E+10	8.05E-01	AZ102-16	N	Analysis prior to 7/89
Raw	Cs137	3.46E+10	2.96E+10	8.00E-01	AZ102-16	N	Analysis prior to 7/89
Raw	Cs137	3.46E+10	3.15E+10	8.51E-01	AZ102-19	N	Not a traceable reference
Wastren	Cs137	3.26E+10	2.88E+10	7.78E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	3.15E+10	2.78E+10	7.50E-01	AZ102-23	Y	Cs isotopic(wt%): -133 (47.8%), -134 (0.06%), -135 (13.6%), -137 (38.6%)
Raw	Cs137	2.72E+10	2.34E+10	6.32E-01	AZ102-14	N	Analysis prior to 7/89
Raw	Cs137	2.72E+10	2.31E+10	6.24E-01	AZ102-14	N	Analysis prior to 7/89
Raw	Cs137	2.72E+10	2.47E+10	6.68E-01	AZ102-22	N	Not a traceable reference
Braun	Cs137	1.39E+10	1.02E+10	2.76E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Braun	Cs137	1.22E+10	8.57E+09	2.32E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	1.22E+10	8.57E+09	2.32E-01	AZ102-6	N	Analysis prior to 7/89
Braun	Cs137	1.16E+10	8.93E+09	2.41E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	1.16E+10	1.06E+10	2.86E-01	AZ102-20	N	Not a traceable reference
Raw	Cs137	1.16E+10	8.93E+09	2.41E-01	AZ102-5	N	Analysis prior to 7/89
Braun	Cs137	1.16E+10	8.93E+09	2.41E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	1.14E+10	8.03E+09	2.17E-01	AZ102-3	N	Analysis prior to 7/89
Raw	Cs137	1.11E+10	7.87E+09	2.13E-01	AZ102-3	N	Analysis prior to 7/89
Raw	Cs137	1.10E+10	7.74E+09	2.09E-01	AZ102-3	N	Analysis prior to 7/89
Raw	Cs137	9.40E+09	7.24E+09	1.96E-01	AZ102-7	N	Analysis prior to 7/89
Braun	Cs137	8.14E+09	6.14E+09	1.66E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	8.14E+09	6.14E+09	1.66E-01	AZ102-6	N	Analysis prior to 7/89
Raw	Cs137	5.94E+09	5.24E+09	1.42E-01	AZ102-23	N	Solid sample after has been washed with fresh water
Raw	Cs137	4.03E+09	3.55E+09	9.61E-02	AZ102-23	N	Water wash of solid sample not supernatant
Braun	Cs137	2.96E+09	2.36E+09	6.38E-02	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Braun	Cs137	2.92E+09	2.32E+09	6.27E-02	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	2.79E+09	2.40E+09	6.49E-02	AZ102-16	N	Analysis prior to 7/89
Raw	Cs137	2.79E+09	2.39E+09	6.46E-02	AZ102-16	N	Analysis prior to 7/89
Raw	Cs137	2.57E+09	2.21E+09	5.97E-02	AZ102-16	N	Analysis prior to 7/89
Raw	Cs137	2.57E+09	2.20E+09	5.95E-02	AZ102-16	N	Analysis prior to 7/89
Braun	Cs137	2.14E+09	1.74E+09	4.70E-02	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	2.14E+09	1.76E+09	4.76E-02	AZ102-11	N	Analysis prior to 7/89
Braun	Cs137	1.80E+09	1.46E+09	3.95E-02	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	1.80E+09	1.48E+09	4.00E-02	AZ102-11	N	Analysis prior to 7/89
Raw	Cs137	1.80E+09	1.48E+09	4.00E-02	AZ102-11	N	Analysis prior to 7/89
Raw	Cs137	1.80E+09	1.64E+09	4.43E-02	AZ102-21	N	Not a traceable reference
Raw	Cs137	7.84E+08	6.76E+08	1.83E-02	AZ102-16	N	Analysis prior to 7/89
Raw	Cs137	7.29E+08	4.97E+08	1.34E-02	AZ102-1	N	Analysis prior to 7/89
Raw	Cs137	6.51E+08	5.61E+08	1.52E-02	AZ102-16	N	Analysis prior to 7/89
Raw	Cs137	5.40E+08	4.38E+08	1.18E-02	AZ102-10	N	Analysis prior to 7/89
Braun	Cs137	1.70E+08	1.38E+08	3.73E-03	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Cs137	1.70E+08	1.39E+08	3.76E-03	AZ102-11	N	Analysis prior to 7/89
Braun	Cs137	3.55E+07	2.89E+07	7.81E-04	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Cs137	2/19/82	NS	NS	T5387	NS	NS	1.008	9.59E+02	uCi/L	L
Cs137	8/27/77	NS	NS	NS	NS	NS	1.391	3.75E+00	uCi/L	L
Cs137	12/3/75	NS	NS	1459	NS	NS	1.386	2.93E+00	uCi/L	S
Eu-154	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	<4.80E-01	uCi/g	CI
Eu154	5/3/86	NS	NS	L1	NS	NS	NS	9.75E+01	uCi/g	I
Eu154	5/3/86	NS	NS	L4	NS	NS	NS	6.54E+01	uCi/g	I
Eu154	5/3/86	NS	NS	L3	NS	NS	NS	1.85E+01	uCi/g	I
Eu154	8/27/77	NS	NS	NS	NS	NS	1.391	5.85E+03	uCi/L	L
Eu154	4/26/74	NS	NS	NS	NS	NS	1.299	6.65E+02	uCi/L	L
I-129	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	<1.00E-06	uCi/g	CI
I-129	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	<3.00E-05	uCi/g	EI
I129	1/1/77	NS	NS	NS	NS	NS	NS	3.68E+01	ug/L	L
I-129	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	<4.00E-07	uCi/g	FI
Np-237	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	5.16E-03	uCi/g	EI
Np-237	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	1.67E-03	uCi/g	CI
Np-237	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	7.40E-05	uCi/g	FI
Total Pu	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	4.50E-01	ug/g	CI
Total Pu	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	4.50E-01	ug/g	CI
Plutonium-238	3/2/91	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	<1.01E-03	uCi/mL	P-1
Plutonium-238	3/2/91	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	<1.19E-03	uCi/mL	P-2
Plutonium-238	3/2/91	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	<2.85E-03	uCi/mL	P-2
Plutonium-238	3/2/91	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	<2.96E-03	uCi/mL	P-1
Plutonium-238	3/2/91	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	<4.21E-03	uCi/mL	P-1
Plutonium-238	3/2/91	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	<8.63E-03	uCi/mL	P-2
Pu238	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Total Pu	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	1.84E+01	ug/g	EI
Total Pu	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	4.50E-01	ug/g	CI
Total Pu	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	1.84E+01	ug/g	EI
Total Pu	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	4.50E-01	ug/g	CI
Plutonium-239/40	3/2/91	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	<1.01E-03	uCi/mL	P-1
Plutonium-239/40	3/2/91	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	<1.19E-03	uCi/mL	P-2
Plutonium-239/40	3/2/91	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	<2.85E-03	uCi/mL	P-2
Plutonium-239/40	3/2/91	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	<2.96E-03	uCi/mL	P-1
Plutonium-239/40	3/2/91	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	<4.21E-03	uCi/mL	P-1
Plutonium-239/40	3/2/91	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	<8.63E-03	uCi/mL	P-2

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Raw	Cs137	3.55E+07	2.89E+07	7.81E-04	AZ102-9	N	Not a traceable reference
Raw	Cs137	1.39E+05	1.02E+05	2.76E-06	AZ102-4	N	Analysis prior to 7/89
Raw	Cs137	1.08E+05	7.66E+04	2.07E-06	AZ102-3	N	Analysis prior to 7/89
Raw	Eu-154	#VALUE!	#VALUE!	#VALUE!	AZ102-23	Y	
Raw	Eu154	5.77E+09	3.99E+09	1.08E-01	AZ102-17	N	Repeated data from report AZ-102-17
Raw	Eu154	3.87E+09	2.68E+09	7.24E-02	AZ102-17	N	Repeated data from report AZ-102-17
Raw	Eu154	1.10E+09	7.58E+08	2.05E-02	AZ102-17	N	Repeated data from report AZ-102-17
Raw	Eu154	2.16E+08	7.54E+07	2.04E-03	AZ102-4	N	Analysis prior to 7/89
Raw	Eu154	2.46E+07	6.58E+06	1.78E-04	AZ102-1	N	Analysis prior to 7/89
Raw	I129	#VALUE!	#VALUE!	#VALUE!	AZ102-23	Y	
Raw	I129	<1.22E+03	<1.22E+03	<3.30E-08	AZ102-23	N	Solid sample after has been washed with fresh water
TRAC	I129	2.18E+02	2.18E+02	5.89E-09	NA	N	Not currently of interest to privatization
Raw	I129	<1.47E+01	<1.47E+01	<3.96E-10	AZ102-23	N	Water wash of solid sample not supernatant
Raw	Np237	2.10E+05	2.10E+05	5.68E-06	AZ102-23	N	Solid sample after has been washed with fresh water
Raw	Np237	7.04E+04	7.04E+04	1.90E-06	AZ102-23	Y	
Raw	Np237	2.71E+03	2.71E+03	7.33E-08	AZ102-23	N	Water wash of solid sample not supernatant
Raw	Pu-241	1.23E+07	9.45E+06	2.56E-04	AZ102-23	Y	Values reported as total Pu, isotopic(wt%): -238 (0.0471%), -239 (92.26%), -240 (7.00%), -241 (0.624%), -242 (0.0761), Bq/L value multiplied by 0.00624
Raw	Pu-242	5.73E+01	5.73E+01	1.55E-09	AZ102-23	Y	Values reported as total Pu, isotopic(wt%): -238 (0.0471%), -239 (92.26%), -240 (7.00%), -241 (0.624%), -242 (0.0761), Bq/L value multiplied by 0.000761
Raw	Pu238	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
Raw	Pu238	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
Raw	Pu238	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
Raw	Pu238	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
Raw	Pu238	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
Raw	Pu238	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
TRAC	Pu238	NS	NS	NS	NA	N	Not currently of interest to privatization
Raw	Pu238	6.10E+06	5.84E+06	1.58E-04	AZ102-23	N	Solid sample after has been washed with fresh water
Raw	Pu238	1.55E+05	1.48E+05	4.00E-06	AZ102-23	Y	Values reported as total Pu, isotopic(wt%): -238 (0.0471%), -239 (92.26%), -240 (7.00%), -241 (0.624%), -242 (0.0761), Bq/L value multiplied by 0.000471
Raw	Pu239	4.33E+07	4.33E+07	1.17E-03	AZ102-23	N	Solid sample after has been washed with fresh water
Raw	Pu239	1.10E+06	1.10E+06	2.97E-05	AZ102-23	Y	Values reported as total Pu, isotopic(wt%): -238 (0.0471%), -239 (92.26%), -240 (7.00%), -241 (0.624%), -242 (0.0761), Bq/L value multiplied by 0.9226
Raw	Pu239/240	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Assumed half-life and atomic weight of Pu-239. Updated per memo 8/17/95
Raw	Pu239/240	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Assumed half-life and atomic weight of Pu-239. Updated per memo 8/17/95
Raw	Pu239/240	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Assumed half-life and atomic weight of Pu-239. Updated per memo 8/17/95
Raw	Pu239/240	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Assumed half-life and atomic weight of Pu-239. Updated per memo 8/17/95
Raw	Pu239/240	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Assumed half-life and atomic weight of Pu-239. Updated per memo 8/17/95
Raw	Pu239/240	#VALUE!	#VALUE!	#VALUE!	AZ102-24	Y	Assumed half-life and atomic weight of Pu-239. Updated per memo 8/17/95

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Concentration
Pu-239/240	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	2.41E-02	gm/l	S
Pu-239/240	5/6/82	NS	NS	NS	NS	NS	NS	2.41E-02	g/L	S
Pu-239/240	9/20/78	NS	NS	RAT-AZ102-4C	NS	NS	1.39	3.60E-03	gm/l	L
Pu-239/240	9/20/78	NS	NS	NS	NS	NS	1.39	3.60E-03	g/L	S
Pu-239/240	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	2.40E-03	gm/l	L
Pu-239/240	6/26/75	NS	NS	NS	NS	NS	1.392	2.40E-03	g/L	S
Pu-239/240	8/27/77	NS	NS	RAT-AZ102-4B	NS	NS	1.39	1.06E-03	gm/l	L
Pu-239/240	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	9.69E-05	gm/l	S
Pu-239/240	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	7.22E-05	gm/l	L
Pu-239/240	5/6/82	NS	NS	NS	NS	NS	1.09	7.22E-05	g/L	P
Pu	2/4/81	NS	NS	R-3699	NS	NS	1.11	2.11E+00	uCi/l	L
Pu	2/4/81	NS	NS	R-3700	NS	NS	1.11	1.30E+00	uCi/l	L
Pu	1/30/82	NS	NS	T-5387	NS	NS	1.008	3.58E-07	gm/l	L
Pu-239/240	5/6/82	NS	NS	NS	NS	NS	1.26	9.69E-05	uCi/L	G
Total Pu	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	1.84E+01	ug/g	EI
Total Pu	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	4.50E-01	ug/g	CI
Pu241	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Sb-125	9/1/89	NS	NS	NS	NS	NS	1.36	3.43E+04	uCi/g	S
Sb-125	9/1/89	NS	NS	NS	NS	NS	1.11	1.62E+04	uCi/g	S
Sb-125	9/1/89	NS	NS	NS	NS	NS	1.49	5.76E+02	uCi/g	S
Sb-125	9/1/89	NS	NS	L1	NS	NS	1.49	5.15E+02	uCi/g	S
Sb-125	9/1/89	NS	NS	L2	NS	NS	1.49	5.01E+02	uCi/g	S
Sb-125	9/1/89	NS	NS	L4	NS	NS	1.49	2.26E+02	uCi/g	S
Sb-125	9/1/89	NS	NS	L3	NS	NS	1.49	3.10E+01	uCi/g	S
Sb-125	4/26/74	NS	NS	NS	NS	NS	1.299	2.37E+02	uCi/L	L
Se-79	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	3.66E-04	uCi/g	CI
Se-79	9/1/89	NS	NS	NS	NS	NS	1.1	3.66E-04	uCi/g	P
Se79	1/1/77	NS	NS	NS	NS	NS	NS	1.70E+00	ug/L	L
Sn126	1/1/77	NS	NS	NS	NS	NS	NS	2.52E-12	ug/L	L
Sr90	NS	NS	NS	NS	NS	NS	NS	NS	NS	L
Sr	NS	NS	NS	NS	NS	NS	1.3927616	3.50E+01	Ci/L	S
Sr89/90	8/1/85	NS	NS	NS	NS	NS	NS	NS	NS	S
Sr90	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	5.53E+03	uCi/g	EI
Sr89/90	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	5.21E+06	uCi/l	S
Sr90	5/6/82	NS	NS	NS	NS	NS	NS	5.21E+06	uCi/L	S
Sr90	7/6/84	NS	NS	T3496A	NS	NS	NS	6.21E+05	uCi/L	S
Sr90	7/6/84	NS	NS	T3496B	NS	NS	NS	6.10E+05	uCi/L	S
Sr90	8/27/77	NS	NS	RAT-AZ102-4B	NS	NS	1.39	2.92E-01	Ci/l	L
Sr90	8/27/77	NS	NS	NS	NS	NS	1.391	2.92E+05	uCi/L	L

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Braun	Pu239/240	6.36E+07	6.36E+07	1.72E-03	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Pu239/240	6.36E+07	6.36E+07	1.72E-03	AZ102-11	N	Analysis prior to 7/89
Braun	Pu239/240	9.50E+06	9.50E+06	2.57E-04	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Pu239/240	9.50E+06	9.50E+06	2.57E-04	AZ102-6	N	Analysis prior to 7/89
Braun	Pu239/240	6.33E+06	6.33E+06	1.71E-04	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Pu239/240	6.33E+06	6.33E+06	1.71E-04	AZ102-6	N	Analysis prior to 7/89
Braun	Pu239/240	2.80E+06	2.80E+06	7.57E-05	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Braun	Pu239/240	2.56E+05	2.56E+05	6.92E-06	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Braun	Pu239/240	1.90E+05	1.90E+05	5.14E-06	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Pu239/240	1.90E+05	1.90E+05	5.14E-06	AZ102-11	N	Analysis prior to 7/89
Braun	Pu239/240	7.81E+04	7.81E+04	2.11E-06	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Braun	Pu239/240	4.81E+04	4.81E+04	1.30E-06	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Braun	Pu239/240	9.44E+02	9.44E+02	2.55E-08	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Pu239/240	3.59E+00	3.59E+00	9.70E-11	AZ102-11	N	Analysis prior to 7/89
Raw	Pu240	1.21E+07	1.21E+07	3.26E-04	AZ102-23	N	Solid sample after has been washed with fresh water
Raw	Pu240	3.06E+05	3.06E+05	8.26E-06	AZ102-23	Y	Values reported as total Pu, isotopic(wt%): -238 (0.0471%), -239 (92.26%), -240 (7.00%), -241 (0.624%), -242 (0.0761), Bq/L value multiplied by 0.0700
TRAC	Pu241	NS	NS	NS	NA	N	Not currently of interest to privitization
Raw	Sb125	1.73E+12	1.24E+12	3.34E+01	AZ102-23	N	Not currently of interest to privitization
Raw	Sb125	6.65E+11	4.77E+11	1.29E+01	AZ102-23	N	Not currently of interest to privitization
Raw	Sb125	3.18E+10	2.27E+10	6.15E-01	AZ102-23	N	Not currently of interest to privitization
Raw	Sb125	2.84E+10	2.03E+10	5.50E-01	AZ102-23	N	Not currently of interest to privitization
Raw	Sb125	2.76E+10	1.98E+10	5.35E-01	AZ102-23	N	Not currently of interest to privitization
Raw	Sb125	1.25E+10	8.93E+09	2.41E-01	AZ102-23	N	Not currently of interest to privitization
Raw	Sb125	1.71E+09	1.22E+09	3.31E-02	AZ102-23	N	Not currently of interest to privitization
Raw	Sb125	8.77E+06	1.33E+05	3.59E-06	AZ102-1	N	Analysis prior to 7/89
Raw	Se-79	1.53E+04	1.53E+04	4.13E-07	AZ102-23	Y	
Raw	Se79	1.49E+04	1.49E+04	4.03E-07	AZ102-23	N	Not currently of interest to privitization
TRAC	Se79	4.38E+03	4.38E+03	1.18E-07	NA	N	Not currently of interest to privitization
TRAC	Sn126	2.64E-09	2.64E-09	7.14E-20	NA	N	Not currently of interest to privitization
TRAC	Sr89/90	NS	NS	NS	NA	N	Privitization is not using TRAC data
TCE Inv.	Sr89/90	1.29E+12	1.29E+12	3.50E+01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Wastren	Sr89/90	1.21E+12	1.06E+12	2.86E+01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	2.25E+11	1.97E+11	5.33E+00	AZ102-23	N	Solid sample after has been washed with fresh water
Braun	Sr89/90	1.93E+11	1.55E+11	4.19E+00	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	1.93E+11	1.57E+11	4.24E+00	AZ102-11	N	Analysis prior to 7/89
Raw	Sr89/90	2.30E+10	1.97E+10	5.32E-01	AZ102-16	N	Analysis prior to 7/89
Raw	Sr89/90	2.26E+10	1.93E+10	5.22E-01	AZ102-16	N	Analysis prior to 7/89
Braun	Sr89/90	1.08E+10	7.84E+09	2.12E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	1.08E+10	7.84E+09	2.12E-01	AZ102-4	N	Analysis prior to 7/89

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Sr90	7/28/79	NS	NS	RAT-AZ102-4D	NS	NS	1.41	2.65E-01	Ci/l	L
Sr90	10/30/86	NS	NS	R280783	NS	NS	NS	2.65E+05	uCi/L	P
Sr90	7/28/79	NS	NS	NS	NS	NS	NS	2.65E+05	uCi/L	P
Sr90	7/28/79	NS	NS	RAT-AZ102-6	NS	NS	1.41	2.65E+05	uCi/l	S
Sr90	12/3/75	NS	NS	1457	NS	NS	1.398	2.60E+05	uCi/L	S
Sr90	12/3/75	NS	NS	1458	NS	NS	1.391	2.59E+05	uCi/L	S
Sr90	12/3/75	NS	NS	1456	NS	NS	1.393	2.50E+05	uCi/L	S
Sr90	12/3/75	NS	NS	1459	NS	NS	1.386	2.49E+05	uCi/L	S
Sr90	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	2.44E-01	Ci/l	L
Sr90	6/26/75	NS	NS	NS	NS	NS	1.392	2.44E-01	Ci/L	S
Sr90	9/1/79	NS	NS	NS	NS	NS	NS	2.19E+05	uCi/L	G
Sr90	4/26/74	NS	NS	NS	NS	NS	1.299	1.95E+05	uCi/L	L
Sr90	9/20/78	NS	NS	RAT-AZ102-4C	NS	NS	1.39	7.20E-02	Ci/l	L
Sr90	9/20/78	NS	NS	NS	NS	NS	1.39	7.20E-02	Ci/L	S
Sr89/90	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	1.29E+04	uCi/l	S
Sr89/90	5/6/82	NS	NS	NS	NS	NS	1.26	1.29E+04	uCi/L	G
Sr89/90	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	7.45E+03	uCi/l	L
Sr90	5/6/82	NS	NS	NS	NS	NS	1.09	7.45E+03	uCi/L	P
Sr90	10/30/86	NS	NS	R060386	NS	NS	NS	7.45E+03	uCi/L	P
Sr89/90	8/1/85	NS	NS	NS	NS	NS	NS	NS	NS	P
Sr90	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	5.96E+00	uCi/g	CI
Sr	NS	NS	NS	NS	NS	NS	1.03625374	2.43E-03	Ci/L	L
Strontium-90	3/2/91	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	2.40E+00	uCi/mL	P-1
Sr89/90	2/4/81	NS	NS	R-3699	NS	NS	1.11	2.14E+03	uCi/l	L
Strontium-90	3/2/91	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	2.12E+00	uCi/mL	P-2
Strontium-90	3/2/91	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	1.64E+00	uCi/mL	P-1
Sr90	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	1.65E+00	uCi/g	FI
Strontium-90	3/2/91	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	1.60E+00	uCi/mL	P-2
Strontium-90	3/2/91	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	1.53E+00	uCi/mL	P-2
Strontium-90	3/2/91	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	1.46E+00	uCi/mL	P-1
Sr89/90	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	1.46E+03	uCi/l	L
Sr90	7/6/84	NS	NS	T3495	NS	NS	NS	1.46E+03	uCi/L	P
Sr90	3/11/84	NS	NS	NS	NS	NS	NS	1.46E+03	uCi/L	P
Sr90	10/31/86	NS	NS	R880311	NS	NS	NS	1.46E+03	uCi/L	P
Sr89/90	2/4/81	NS	NS	R-3700	NS	NS	1.11	1.06E+03	uCi/l	L
Sr90	7/6/84	NS	NS	T3496B	NS	NS	NS	1.67E+02	uCi/L	S
Sr90	3/11/84	NS	NS	B	NS	NS	12	1.67E+02	uCi/L	I
Sr90	7/6/84	NS	NS	T3496A	NS	NS	NS	6.20E+01	uCi/L	S
Sr90	3/11/84	NS	NS	A	NS	NS	11.9	6.20E+01	uCi/L	I
Sr90	7/13/84	NS	NS	T1520	NS	NS	NS	1.65E+00	uCi/L	P
Sr90	12/8/83	NS	NS	NS	NS	NS	NS	1.65E+00	uCi/L	P
Sr90	10/31/86	NS	NS	R081287	NS	NS	NS	1.65E+00	uCi/L	P
Tc-99	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	4.03E+04	uCi/l	P
Tc-99	7/6/84	NS	NS	T3495	NS	NS	NS	4.03E+04	uCi/L	P
Tc-99	7/6/84	NS	NS	T3496A	NS	NS	NS	4.03E+04	uCi/L	P
Tc-99	7/13/84	NS	NS	T1520	NS	NS	NS	3.72E+04	uCi/L	P

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Braun	Sr89/90	9.81E+09	7.45E+09	2.01E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	9.81E+09	8.87E+09	2.40E-01	AZ102-20	N	Not a traceable reference
Raw	Sr89/90	9.81E+09	7.45E+09	2.01E-01	AZ102-5	N	Analysis prior to 7/89
Braun	Sr89/90	9.81E+09	7.45E+09	2.01E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	9.62E+09	6.70E+09	1.81E-01	AZ102-3	N	Analysis prior to 7/89
Raw	Sr89/90	9.58E+09	6.67E+09	1.80E-01	AZ102-3	N	Analysis prior to 7/89
Raw	Sr89/90	9.25E+09	6.44E+09	1.74E-01	AZ102-3	N	Analysis prior to 7/89
Raw	Sr89/90	9.21E+09	6.41E+09	1.73E-01	AZ102-3	N	Analysis prior to 7/89
Braun	Sr89/90	9.03E+09	6.22E+09	1.68E-01	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	9.03E+09	6.22E+09	1.68E-01	AZ102-6	N	Analysis prior to 7/89
Raw	Sr89/90	8.10E+09	6.17E+09	1.67E-01	AZ102-7	N	Analysis prior to 7/89
Raw	Sr89/90	7.22E+09	4.83E+09	1.31E-01	AZ102-1	N	Analysis prior to 7/89
Braun	Sr89/90	2.66E+09	1.98E+09	5.35E-02	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	2.66E+09	1.98E+09	5.35E-02	AZ102-6	N	Analysis prior to 7/89
Braun	Sr89/90	4.77E+08	3.83E+08	1.04E-02	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	4.77E+08	3.88E+08	1.05E-02	AZ102-11	N	Analysis prior to 7/89
Braun	Sr89/90	2.76E+08	2.21E+08	5.97E-03	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	2.76E+08	2.24E+08	6.05E-03	AZ102-11	N	Analysis prior to 7/89
Raw	Sr89/90	2.76E+08	2.49E+08	6.73E-03	AZ102-21	N	Not a traceable reference
Wastren	Sr89/90	2.60E+08	2.28E+08	6.16E-03	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	2.51E+08	2.20E+08	5.96E-03	AZ102-23	Y	
CE Inv.	Sr89/90	8.99E+07	8.99E+07	2.43E-03	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	8.88E+07	8.92E+07	2.41E-03	AZ102-24	Y	Updated per memo 8/17/95
Braun	Sr89/90	7.92E+07	6.24E+07	1.69E-03	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	7.84E+07	7.88E+07	2.13E-03	AZ102-24	Y	Updated per memo 8/17/95
Raw	Sr89/90	6.07E+07	6.09E+07	1.65E-03	AZ102-24	Y	Updated per memo 8/17/95
Raw	Sr89/90	6.05E+07	5.30E+07	1.43E-03	AZ102-23	N	Water wash of solid sample not supernatant
Raw	Sr89/90	5.92E+07	5.94E+07	1.61E-03	AZ102-24	Y	Updated per memo 8/17/95
Raw	Sr89/90	5.66E+07	5.68E+07	1.54E-03	AZ102-24	Y	Updated per memo 8/17/95
Raw	Sr89/90	5.40E+07	5.42E+07	1.47E-03	AZ102-24	Y	Updated per memo 8/17/95
Braun	Sr89/90	5.40E+07	4.54E+07	1.23E-03	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	5.40E+07	4.62E+07	1.25E-03	AZ102-16	N	Analysis prior to 7/89
Raw	Sr89/90	5.40E+07	4.59E+07	1.24E-03	AZ102-16	N	Analysis prior to 7/89
Raw	Sr89/90	5.40E+07	4.89E+07	1.32E-03	AZ102-19	N	Not a traceable reference
Braun	Sr89/90	3.92E+07	3.09E+07	8.35E-04	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Sr89/90	6.18E+06	5.29E+06	1.43E-04	AZ102-16	N	Analysis prior to 7/89
Raw	Sr89/90	6.18E+06	5.25E+06	1.42E-04	AZ102-16	N	Analysis prior to 7/89
Raw	Sr89/90	2.29E+06	1.96E+06	5.30E-05	AZ102-16	N	Analysis prior to 7/89
Raw	Sr89/90	2.29E+06	1.95E+06	5.27E-05	AZ102-16	N	Analysis prior to 7/89
Raw	Sr89/90	6.11E+04	5.23E+04	1.41E-06	AZ102-14	N	Analysis prior to 7/89
Raw	Sr89/90	6.11E+04	5.15E+04	1.39E-06	AZ102-14	N	Analysis prior to 7/89
Raw	Sr89/90	6.11E+04	5.52E+04	1.49E-06	AZ102-22	N	Not a traceable reference
Braun	Tc99	1.49E+09	1.49E+09	4.03E-02	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Tc99	1.49E+09	1.49E+09	4.03E-02	AZ102-16	N	Analysis prior to 7/89
Raw	Tc99	1.49E+09	1.49E+09	4.03E-02	AZ102-16	N	Analysis prior to 7/89
Raw	Tc99	1.38E+09	1.38E+09	3.72E-02	AZ102-14	N	Analysis prior to 7/89

Tank Waste Characterization Sample Information										
Reported Radionuclide	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Tc-99	7/6/84	NS	NS	T3496B	NS	NS	NS	9.64E+02	uCi/L	S
Tc-99	7/6/84	NS	NS	T3496A	NS	NS	NS	9.26E+02	uCi/L	S
Tc99	8/1/85	NS	NS	NS	NS	NS	NS	3.23E+07	Bq/L	S
Tc-99	7/6/84	NS	NS	T3496A	NS	NS	NS	3.62E+02	uCi/L	S
Tc-99	7/6/84	NS	NS	T3496B	NS	NS	NS	2.03E+02	uCi/L	S
Tc-99	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	1.25E-01	uCi/g	El
Tc99	8/1/85	NS	NS	NS	NS	NS	NS	4.37E+06	Bq/L	P
Tc-99	8/31/89	N/A	6/30/85	Composite Core	NA	NA	1.14	1.00E-01	uCi/g	Cl
Tc-99	9/20/78	NS	NS	RAT-AZ102-4C	NS	NS	1.39	1.00E+02	uCi/l	P
Tc-99	9/20/78	NS	NS	NS	NS	NS	1.39	1.00E+02	uCi/L	G
Tc-99	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	1.85E-02	uCi/g	FI
Tc99	1/1/77	NS	NS	NS	NS	NS	NS	2.46E+02	ug/L	L
Tc-99	7/13/84	NS	NS	T1521B	NS	NS	NS	7.40E-03	uCi/L	G
Tc-99	7/13/84	NS	NS	T1521A	NS	NS	NS	6.50E-03	uCi/L	G
Y90	NS	NS	NS	NS	NS	NS	NS	NS	NS	L

Waste Characterization Database
r Tank 241-AZ-102

Radionuclide Information							
Source	Radionuclide	Conc. (Bq/L)	Conc. (Bq/L decayed)	Conc. (Ci/L Decayed)	Reference Number	Validated (Y/N)	Notes
Raw	Tc99	3.57E+07	3.57E+07	9.64E-04	AZ102-16	N	Analysis prior to 7/89
Raw	Tc99	3.43E+07	3.43E+07	9.26E-04	AZ102-16	N	Analysis prior to 7/89
Nastren	Tc99	3.23E+07	3.23E+07	8.73E-04	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Tc99	1.34E+07	1.34E+07	3.62E-04	AZ102-16	N	Analysis prior to 7/89
Raw	Tc99	7.51E+06	7.51E+06	2.03E-04	AZ102-16	N	Analysis prior to 7/89
Raw	Tc99	5.09E+06	5.09E+06	1.37E-04	AZ102-23	N	Solid sample after has been washed with fresh water
Nastren	Tc99	4.37E+06	4.37E+06	1.18E-04	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Tc99	4.22E+06	4.22E+06	1.14E-04	AZ102-23	Y	
Braun	Tc99	3.70E+06	3.70E+06	1.00E-04	NA	N	Privitization is not using Braun, Wastren or HTCE Inv. data
Raw	Tc99	3.70E+06	3.70E+06	1.00E-04	AZ102-6	N	Analysis prior to 7/89
Raw	Tc99	6.78E+05	6.78E+05	1.83E-05	AZ102-23	N	Water wash of solid sample not supernatant
TRAC	Tc99	1.54E+05	1.54E+05	4.18E-06	NA	N	Privitization is not using TRAC data
Raw	Tc99	2.74E+02	2.74E+02	7.40E-09	AZ102-14	N	Analysis prior to 7/89
Raw	Tc99	2.41E+02	2.40E+02	6.50E-09	AZ102-14	N	Analysis prior to 7/89
TRAC	Y90	NS	NS	NS	NA	N	Not currently of interest to privitization

Tank Waste Characterization Sample Information										
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
Al3 +	NA	NA	NA	NA	NA	NA	1.27	7.28E-01	Mole/L	L
Al	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	0.56	M	L
Al	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	0.55	M	L
Al	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	0.55	M	L
Al	2/28/85	NA	NA	R3640	NA	NA	1.39	5.38E-01	M	L
Al	2/28/85	NS	NS	NS	NS	NS	NS	1.45E+01	g/L	P
Al	2/28/85	NA	NA	R3639	NA	NA	1.39	5.37E-01	M	L
Al	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.537	moles/l	P
Al	12/16/91	NA	NA	NA	NA	NA	1.35	12894.1	ug/mL	P
Al	10/12/89	9/22/89	NA	R-5779	NA	NA	1.34	4.60E-01	M	P
Ba	2/28/85	NA	NA	R3639	NA	NA	1.39	<1.25E-04	M	L
Ba	5/16/90	NA	NA	NA	NA	NA	(1.2)	<1.3E-4	moles/L	P
Ba	2/28/85	NA	NA	R3640	NA	NA	1.39	0.000133	M	L
Ba	2/28/85	NS	NS	NS	NS	NS	NS	0.0172	g/L	P
Ca	2/28/85	NA	NA	R3640	NA	NA	1.39	0.0203	M	L
Ca	2/28/85	NS	NS	NS	NS	NS	NS	0.493	g/L	P
Ca	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.0123	moles/l	P
Ca	2/28/85	NA	NA	R3639	NA	NA	1.39	0.0123	M	P
Ca	12/16/91	NA	NA	NA	NA	NA	1.35	450	ug/mL	P
Ca	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	0.011	M	L
Ca	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	0.011	M	L
Ca	12/28/94	NA	10/22/94	102-AN-1	NA	NA	1.4	0.011	M	L
Ca	10/12/89	9/22/89	NA	R-5779	NA	NA	1.34	1.00E-02	M	P
Cd	2/28/85	NA	NA	R3639	NA	NA	1.39	0.000503	M	P
Cd	2/28/85	NS	NS	NS	NS	NS	NS	0.0565	g/L	P
Cd	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.000503	moles/l	P
Cd	5/16/90	NA	NA	NA	NA	NA	(1.2)	5.00E-04	moles/L	P
Cd	2/28/85	NA	NA	R3640	NA	NA	1.39	0.000448	M	L
Cl ⁻	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	0.12	M	L
Cl ⁻	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	0.11	M	L
Cl ⁻	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	0.1	M	L
Cl ⁻	NA	NA	NA	NA	NA	NA	1.27	9.98E-02	Mole/L	L
Cl	2/28/85	NA	NA	R3639	NA	NA	1.39	9.49E-02	M	L
Cl	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.0949	moles/l	P
Cl ⁻	2/28/85	NS	NS	NS	NS	NS	NS	3.36E+00	g/L	P
Cl	2/28/85	NA	NA	R3640	NA	NA	1.39	9.03E-02	M	L
Cl ⁻	12/16/91	NA	NA	NA	NA	NA	1.35	1500	ug/mL	P
Cr	2/28/85	NA	NA	R3640	NA	NA	1.39	0.0101	M	L
Cr	5/16/90	NA	NA	NA	NA	NA	(1.2)	8.00E-03	moles/L	P
Cr	2/28/85	NA	NA	R3639	NA	NA	1.39	0.00796	M	P
Cr	2/28/85	NS	NS	NS	NS	NS	NS	0.414	g/L	P
Cr	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.00796	moles/l	P
Cr	12/16/91	NA	NA	NA	NA	NA	1.35	399	ug/mL	P
Cr	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	0.006	M	L
Cr	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	0.006	M	L
Cr	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	0.006	M	L
F	2/28/85	NA	NA	R3640	NA	NA	1.39	<1.32E-01	M	L
F	2/28/85	NA	NA	R3639	NA	NA	1.39	<0.118	M	L
F ⁻	12/16/91	NA	NA	NA	NA	NA	1.35	2500	ug/mL	P
F(2)	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	0.12	M	L

Analyte Information						
Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
TCE Inv.	Al	1.97E+07	7.28E-01	NA	N	HTCE Data; Inventory - Consider comparison with analytical
Raw	Al	1.51E+07	5.60E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Al	1.48E+07	5.50E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Al	1.48E+07	5.50E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Al	1.45E+07	5.38E-01	AN102-1	Y	
Wastren	Al	1.45E+07	5.37E-01	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	Al	1.45E+07	5.37E-01	AN102-1	Y	
Braun	Al	1.45E+07	5.37E-01	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	Al	1.29E+07	4.78E-01	AN102-5	Y	Added, missed initially
Raw	Al	1.24E+07	4.60E-01	AN102-6	Y	Added, new report found
Raw	Ba	#VALUE!	#VALUE!	AN102-1	Y	Added
Raw	Ba	#VALUE!	#VALUE!	AN102-4	Y	Added, Missed initially, < Value
RAW	Ba	1.83E+04	1.33E-04	AN102-1	Y	Changed Code P to L
Wastren	Ba	1.72E+04	1.25E-04	NA	N	Wastren Data, not used
RAW	Ca	8.12E+05	2.03E-02	AN102-1	Y	
Wastren	Ca	4.93E+05	1.23E-02	NA	N	Duplicate of Raw R-3639 on 2/28/85
Braun	Ca	4.93E+05	1.23E-02	NA	N	Duplicate of Raw R-3639 on 2/28/85
RAW	Ca	4.92E+05	1.23E-02	AN102-1	Y	
Raw	Ca	4.50E+05	1.12E-02	AN102-5	Y	Date changed 11/1/89 to 8/91
Raw	Ca	4.41E+05	1.10E-02	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Ca	4.41E+05	1.10E-02	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Ca	4.41E+05	1.10E-02	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Ca	4.01E+05	1.00E-02	AN102-6	Y	Added, new report found
RAW	Cd	5.65E+04	5.03E-04	AN102-1	Y	
Wastren	Cd	5.65E+04	5.03E-04	NA	N	Wastren Data, not used
Braun	Cd	5.65E+04	5.03E-04	NA	N	Braun Data, not used
Raw	Cd	5.62E+04	5.00E-04	AN102-4	Y	Added, Missed initially
RAW	Cd	5.04E+04	4.48E-04	AN102-1	Y	Changed Code P to L
Raw	Cl	4.25E+06	1.20E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Cl	3.90E+06	1.10E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Cl	3.55E+06	1.00E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
TCE Inv.	Cl	3.54E+06	9.98E-02	NA	N	HTCE Data
Raw	Cl	3.36E+06	9.49E-02	AN102-1	Y	
Braun	Cl	3.36E+06	9.49E-02	NA	N	Duplicate of Raw R-3639 on 2/28/85
Wastren	Cl	3.36E+06	9.48E-02	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	Cl	3.20E+06	9.03E-02	AN102-1	Y	
Raw	Cl	1.50E+06	4.23E-02	AN102-5	Y	Added, missed initially
RAW	Cr+6	5.25E+05	1.01E-02	AN102-1	Y	Changed Code P to L
Raw	Cr+6	4.16E+05	8.00E-03	AN102-4	Y	Added, Missed initially
RAW	Cr+6	4.14E+05	7.96E-03	AN102-1	Y	
Wastren	Cr+6	4.14E+05	7.96E-03	NA	N	Duplicate of Raw R-3639 on 2/28/85
Braun	Cr+6	4.14E+05	7.96E-03	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	Cr+6	3.99E+05	7.67E-03	AN102-5	Y	Date changed 11/1/89 to 8/91
Raw	Cr+6	3.12E+05	6.00E-03	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Cr+6	3.12E+05	6.00E-03	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Cr+6	3.12E+05	6.00E-03	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	F	#VALUE!	#VALUE!	AN102-1	Y	"<" value
Raw	F	#VALUE!	#VALUE!	AN102-1	Y	Changed to "<"
Raw	F	2.50E+06	1.32E-01	AN102-5	Y	Added, missed initially
Raw	F	2.28E+06	1.20E-01	AN102-6	Y	Added, Average of two analysis performed on same sample

Tank Waste Characterization Sample Information										
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Code
F	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.118	moles/l	P
F-	2/28/85	NS	NS	NS	NS	NS	NS	2.24E+00	g/L	P
F(2)	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	0.1	M	L
F(2)	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	0.1	M	L
F-	NA	NA	NA	NA	NA	NA	1.27	5.06E-02	Mole/L	L
Fe	12/16/91	NA	NA	NA	NA	NA	1.35	298.6	ug/mL	P
Fe	2/28/85	NA	NA	R3640	NA	NA	1.39	4.68E-03	M	L
Fe3+ (total Fe)	NA	NA	NA	NA	NA	NA	1.27	3.41E-03	Mole/L	L
Fe	2/28/85	NS	NS	NS	NS	NS	NS	1.01E-01	g/L	P
Fe	2/28/85	NA	NA	R3639	NA	NA	1.39	1.80E-03	M	L
Fe	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.0018	moles/l	P
K	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	0.112	M	L
K	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	0.098	M	L
K	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	0.089	M	L
K	2/28/85	NS	NS	NS	NS	NS	NS	2.08E+00	g/L	P
K	2/28/85	NA	NA	R3639	NA	NA	1.39	5.31E-02	M	L
K	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.0531	moles/l	P
K	12/16/91	NA	NA	NA	NA	NA	1.35	1903.7	ug/mL	P
K	2/28/85	NA	NA	R3640	NA	NA	1.39	4.68E-02	M	L
K	10/12/89	9/22/89	NA	R-5779	NA	NA	1.34	4.10E-02	M	P
K+	NA	NA	NA	NA	NA	NA	1.27	2.06E-02	Mole/L	L
La	2/28/85	NS	NS	NS	NS	NS	NS	0.158	g/L	P
Na	2/28/85	NA	NA	R3640	NA	NA	1.39	40.6	M	L
Na	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	11.77	M	L
Na	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	11.09	M	L
Na	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	10.74	M	L
Na	2/28/85	NA	NA	R3639	NA	NA	1.39	10.4	M	P
Na	2/28/85	NA	NA	R-3639	NA	NA	1.39	10.4	moles/l	P
Na	10/12/89	9/22/89	NA	R-5779	NA	NA	1.34	7.65E+00	M	P
Na	12/16/91	NA	NA	NA	NA	NA	1.35	174621	ug/mL	P
Ni	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	0.007	M	L
Ni	2/28/85	NA	NA	R3640	NA	NA	1.39	6.55E-03	M	L
Ni	2/28/85	NA	NA	R3639	NA	NA	1.39	6.43E-03	M	L
Ni	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.00643	moles/l	P
Ni	2/28/85	NS	NS	NS	NS	NS	NS	3.77E-01	g/L	P
Ni	10/12/89	9/22/89	NA	R-5779	NA	NA	1.34	6.00E-03	M	P
Ni	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	0.006	M	L
Ni	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	0.006	M	L
Ni2+	NA	NA	NA	NA	NA	NA	1.27	2.97E-03	Mole/L	L
NO ₂ ⁻	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	1.84	M	L
NO ₂ ⁻	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	1.81	M	L
NO ₂ ⁻	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	1.79	M	L
NO2-	10/12/89	9/22/89	NA	R-5779	NA	NA	1.34	1.36E+00	M	P
NO2	2/28/85	NA	NA	R3639	NA	NA	1.39	1.32E+00	M	L
NO2	2/28/85	NA	NA	R-3639	NA	NA	1.39	1.32	moles/l	P
NO2-	2/28/85	NS	NS	NS	NS	NS	NS	6.07E+01	g/L	P
NO2	2/28/85	NA	NA	R3640	NA	NA	1.39	1.28E+00	M	L
NO2-	NA	NA	NA	NA	NA	NA	1.27	1.24E+00	Mole/L	L
NO2	12/16/91	NA	NA	NA	NA	NA	1.35	14000	ug/mL	P

Waste Characterization Database
Tank 241-AN-102

Analyte Information						
Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
Braun	F	2.24E+06	1.18E-01	NA	N	Duplicate of Raw R-3639 on 2/28/85
Wastren	F	2.24E+06	1.18E-01	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	F	1.90E+06	1.00E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	F	1.90E+06	1.00E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
HTCE Inv.	F	9.62E+05	5.06E-02	NA	N	HTCE Data
Raw	Fe	2.99E+05	5.35E-03	AN102-5	Y	Added, missed initially
Raw	Fe	2.61E+05	4.68E-03	AN102-1	Y	
HTCE Inv.	Fe	1.90E+05	3.41E-03	NA	N	HTCE Data
Wastren	Fe	1.01E+05	1.81E-03	NA	N	Wastren Data, not used
Raw	Fe	1.01E+05	1.80E-03	AN102-1	Y	
Braun	Fe	1.01E+05	1.80E-03	NA	N	Braun Data, not used
Raw	K	4.38E+06	1.12E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	K	3.83E+06	9.80E-02	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	K	3.48E+06	8.90E-02	AN102-6	Y	Added, Average of two analysis performed on same sample
Wastren	K	2.08E+06	5.32E-02	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	K	2.08E+06	5.31E-02	AN102-1	Y	
Braun	K	2.08E+06	5.31E-02	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	K	1.90E+06	4.87E-02	AN102-5	Y	Added, missed initially
Raw	K	1.83E+06	4.68E-02	AN102-1	Y	
Raw	K	1.60E+06	4.10E-02	AN102-6	Y	Added, new report found
HTCE Inv.	K	8.07E+05	2.06E-02	NA	N	HTCE Data
Wastren	La	1.58E+05	1.14E-03	NA	N	Wastren Data, not used
RAW	Na	9.34E+08	4.06E+01	AN102-1	N	Changed Code P to L / 40.6 M Na is not physically possible
Raw	Na	2.71E+08	1.18E+01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Na	2.55E+08	1.11E+01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Na	2.47E+08	1.07E+01	AN102-6	Y	Added, Average of two analysis performed on same sample
RAW	Na	2.39E+08	1.04E+01	AN102-1	Y	
Braun	Na	2.39E+08	1.04E+01	NA	N	Braun Data, not used
Raw	Na	1.76E+08	7.65E+00	AN102-6	Y	Added, new report found
Raw	Na	1.75E+08	7.61E+00	AN102-5	Y	Date changed 11/1/89 to 8/91
Raw	Ni	4.11E+05	7.00E-03	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Ni	3.84E+05	6.55E-03	AN102-1	Y	
Raw	Ni	3.77E+05	6.43E-03	AN102-1	Y	
Braun	Ni	3.77E+05	6.43E-03	NA	N	Braun Data, not used
Wastren	Ni	3.77E+05	6.42E-03	NA	N	Wastren Data, not used
Raw	Ni	3.52E+05	6.00E-03	AN102-6	Y	Added, new report found
Raw	Ni	3.52E+05	6.00E-03	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	Ni	3.52E+05	6.00E-03	AN102-6	Y	Added, Average of two analysis performed on same sample
TCE Inv.	Ni	1.74E+05	2.97E-03	NA	N	HTCE Data
Raw	NO ₂	8.46E+07	1.84E+00	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	NO ₂	8.33E+07	1.81E+00	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	NO ₂	8.23E+07	1.79E+00	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	NO ₂	6.26E+07	1.36E+00	AN102-6	Y	Added, new report found
Raw	NO ₂	6.07E+07	1.32E+00	AN102-1	Y	
Braun	NO ₂	6.07E+07	1.32E+00	NA	N	Duplicate of Raw R-3639 on 2/28/85
Wastren	NO ₂	6.07E+07	1.32E+00	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	NO ₂	5.89E+07	1.28E+00	AN102-1	Y	
HTCE Inv.	NO ₂	5.69E+07	1.24E+00	NA	N	HTCE Data
Raw	NO ₂	1.40E+07	3.04E-01	AN102-5	Y	Added, missed initially

Tank Waste Characterization Sample Information										
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Cod
NO3-	2/28/85	NS	NS	NS	NS	NS	NS	2.24E+02	g/L	P
NO3	2/28/85	NA	NA	R3639	NA	NA	1.39	3.61E+00	M	L
NO3	2/28/85	NA	NA	R-3639	NA	NA	1.39	3.61	moles/l	P
NO ₃ ⁻	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	3.6	M	L
NO ₃ ⁻	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	3.57	M	L
NO ₃ ⁻	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	3.55	M	L
NO3-	10/12/89	9/22/89	NA	R-5779	NA	NA	1.34	3.54E+00	M	P
NO3	2/28/85	NA	NA	R3640	NA	NA	1.39	3.38E+00	M	L
NO3-	NA	NA	NA	NA	NA	NA	1.27	2.07E+00	Mole/L	L
NO3	12/16/91	NA	NA	NA	NA	NA	1.35	41000	ug/mL	P
OH	2/28/85	NA	NA	R3640	NA	NA	1.39	0.648	M	L
OH-	10/12/89	9/22/89	NA	R-5779	NA	NA	1.34	4.50E-01	M	P
OH ⁻	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	0.24	M	L
OH ⁻	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	0.24	M	L
OH ⁻	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	0.24	M	L
OH-	2/28/85	NS	NS	NS	NS	NS	NS	3.42	g/L	P
OH	2/28/85	NA	NA	R3639	NA	NA	1.39	0.201	M	P
OH	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.201	moles/l	P
Pb	2/28/85	NA	NA	R3639	NA	NA	1.39	<0.00114	M	L
Pb	5/16/90	NA	NA	NA	NA	NA	(1.2)	<1.1e-3	moles/L	P
Pb	5/16/90	NA	NA	NA	NA	NA	(1.2)	1.30E-03	moles/L	P
Pb	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.00114	moles/l	P
Pb	2/28/85	NS	NS	NS	NS	NS	NS	2.36E-01	g/L	P
Pb	2/28/85	NA	NA	R3640	NA	NA	1.39	0.00105	M	L
Pb2+	NA	NA	NA	NA	NA	NA	1.27	6.48E-05	Mole/L	L
PO43-	NA	NA	NA	NA	NA	NA	1.27	1.08E-01	Mole/L	L
PO ₄ ³⁻	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	0.055	M	L
PO ₄ ³⁻	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	0.051	M	L
PO ₄ ³⁻	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	0.050	M	L
PO4	2/28/85	NA	NA	R3640	NA	NA	1.39	4.80E-02	M	L
PO4	2/28/85	NA	NA	R3639	NA	NA	1.39	4.73E-02	M	L
PO4	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.0473	moles/l	P
PO4--	2/28/85	NS	NS	NS	NS	NS	NS	4.49E+00	g/L	P
PO4	12/16/91	NA	NA	NA	NA	NA	1.35	3200	ug/mL	P
SO42-	NA	NA	NA	NA	NA	NA	1.27	1.62E-01	Mole/L	L
SO ₄ ²⁻	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	0.16	M	L
SO ₄ ²⁻	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	0.14	M	L
SO ₄ ²⁻	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	0.14	M	L
SO4--	2/28/85	NS	NS	NS	NS	NS	NS	1.10E+01	g/L	P
SO4	2/28/85	NA	NA	R3639	NA	NA	1.39	1.14E-01	M	L
SO4	2/28/85	NA	NA	R-3639	NA	NA	1.39	0.114	moles/l	P
SO4	12/16/91	NA	NA	NA	NA	NA	1.35	4300	ug/mL	P
SO4	2/28/85	NA	NA	R3640	NA	NA	1.39	1.96E-02	M	L
TOC	12/28/94	NA	10/21/94	102-AN-1	NA	NA	1.4	27.1	M	L
TOC	12/28/94	NA	10/21/94	102-AN-4	NA	NA	1.403	26.2	M	L
TOC	12/28/94	NA	10/21/94	102-AN-2	NA	NA	1.402	25	M	L

Waste Characterization Database
Tank 241-AN-102

Analyte Information						
Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
Wastren	NO ₃	2.24E+08	3.61E+00	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	NO ₃	2.24E+08	3.61E+00	AN102-1	Y	
Braun	NO ₃	2.24E+08	3.61E+00	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	NO ₃	2.23E+08	3.60E+00	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	NO ₃	2.21E+08	3.57E+00	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	NO ₃	2.20E+08	3.55E+00	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	NO ₃	2.19E+08	3.54E+00	AN102-6	Y	Added, new report found
Raw	NO ₃	2.10E+08	3.38E+00	AN102-1	Y	
ITCE Inv.	NO ₃	1.29E+08	2.07E+00	NA	N	HTCE Data
Raw	NO ₃	4.10E+07	6.61E-01	AN102-5	Y	Added, missed initially
RAW	OH	2.59E+07	1.52E+00	AN102-1	Y	Changed Code P to L
Raw	OH	1.80E+07	1.06E+00	AN102-6	Y	Added, new report found
Raw	OH	9.60E+06	5.65E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	OH	9.60E+06	5.65E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	OH	9.60E+06	5.65E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Wastren	OH	8.05E+06	4.74E-01	NA	N	Wastren Data, not used
RAW	OH	8.04E+06	4.73E-01	AN102-1	Y	
Braun	OH	8.04E+06	4.73E-01	NA	N	Braun Data, not used
Raw	Pb	#VALUE!	#VALUE!	AN102-1	Y	< Value
Raw	Pb	#VALUE!	#VALUE!	AN102-4	Y	Added, Missed initially
Raw	Pb	2.69E+05	1.30E-03	AN102-4	Y	Added, Missed initially
Braun	Pb	2.36E+05	1.14E-03	NA	N	Braun Data, not used
Wastren	Pb	2.36E+05	1.14E-03	NA	N	Wastren Data, not used
Raw	Pb	2.18E+05	1.05E-03	AN102-1	Y	NOT < value!
ITCE Inv.	Pb	1.34E+04	6.48E-05	NA	N	HTCE Data
ITCE Inv.	PO ₄	1.03E+07	1.08E-01	NA	N	HTCE Data
Raw	PO ₄	5.22E+06	5.50E-02	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	PO ₄	4.84E+06	5.10E-02	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	PO ₄	4.75E+06	5.00E-02	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	PO ₄	4.56E+06	4.80E-02	AN102-1	Y	
Raw	PO ₄	4.49E+06	4.73E-02	AN102-1	Y	
Braun	PO ₄	4.49E+06	4.73E-02	NA	N	Duplicate of Raw R-3639 on 2/28/85
Wastren	PO ₄	4.49E+06	4.73E-02	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	PO ₄	3.20E+06	3.37E-02	AN102-5	Y	Added, missed initially
TCE Inv.	SO ₄	1.56E+07	1.63E-01	NA	N	HTCE Data
Raw	SO ₄	1.54E+07	1.60E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	SO ₄	1.34E+07	1.40E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	SO ₄	1.34E+07	1.40E-01	AN102-6	Y	Added, Average of two analysis performed on same sample
Wastren	SO ₄	1.10E+07	1.15E-01	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	SO ₄	1.10E+07	1.14E-01	AN102-1	Y	
Braun	SO ₄	1.10E+07	1.14E-01	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	SO ₄	4.30E+06	4.48E-02	AN102-5	Y	Added, missed initially
Raw	SO ₄	1.88E+06	1.96E-02	AN102-1	Y	
Raw	TOC	3.25E+08	2.71E+01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	TOC	3.15E+08	2.62E+01	AN102-6	Y	Added, Average of two analysis performed on same sample
Raw	TOC	3.00E+08	2.50E+01	AN102-6	Y	Added, Average of two analysis performed on same sample

Tank Waste Characterization Sample Information										
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit	Col
TOC	2/28/85	NA	NA	R3639	NA	NA	1.39	3.37E+01	gC/l	L
TOC	2/28/85	NA	NA	R-3639	NA	NA	1.39	33.7	gm/l	P
TOC	2/28/85	NS	NS	NS	NS	NS	NS	3.37E+01	g/L	P
TOC	2/28/85	NA	NA	R3640	NA	NA	1.39	2.98E+01	gC/l	L
TOC	10/12/89	9/22/89	NA	R-5779	NA	NA	1.34	2.73E+01	g/L	P
TOC wt% C (wet)	NA	NA	NA	NA	NA	NA	1.27	7.36E-01	wt%	L
U	2/28/85	NA	NA	R3640	NA	NA	1.39	<0.107	g/L	L
U	2/28/85	NA	NA	R3639	NA	NA	1.39	0.0247	g/l	P

Analyte Information						
Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
Raw	TOC	3.37E+07	2.81E+00	AN102-1	Y	
Braun	TOC	3.37E+07	2.81E+00	NA	N	Duplicate of Raw R-3639 on 2/28/85
Wastren	TOC	3.37E+07	2.81E+00	NA	N	Duplicate of Raw R-3639 on 2/28/85
Raw	TOC	2.98E+07	2.48E+00	AN102-1	Y	
Raw	TOC	2.73E+07	2.28E+00	AN102-6	Y	Added, new report found
HTCE Inv.	TOC	9.35E+06	7.79E-01	NA	N	HTCE Data
Raw	U	#VALUE!	#VALUE!	AN102-1	Y	Added
RAW	U	2.47E+04	1.04E-04	AN102-1	Y	

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported
Al3+	NA	NA	NA	NA	NA	NA	1.43	1.20E+00	Mole/l
Al	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	0.23	moles/l
Al	2/28/85	NA	NA	R3638	NA	NA	1.35	0.211	M
Al	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.211	moles/l
Al	2/28/85	NA	NA	R3637	NA	NA	1.41	0.198	M
Al	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.198	moles/l
Al	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	0.198	moles/l
Al	12/4/86	NS	NS	NS	NS	NS	NS	3.78E+00	g/L
Al	12/4/86	NA	NA	8650	NA	NA	NA	0.14	M
Al	12/4/86	NS	NS	R-8650	NS	NS	NS	0.14	moles/l
Al	6/29/90	NA	NA	R-5887/CC-44H	NA	NA	NA	0.0762	M
Al	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	0.089	WT %
Al	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	0.085	WT %
Al	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	0.084	WT %
Al	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	489	ug/mL
Al	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	413	ug/mL
Al	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	409	ug/mL
Al	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	386	ug/mL
Al	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.0154	g/100g
Al	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	171	ug/mL
Al	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	169	ug/mL
Al	8/10/94	NA	5/13/94	R4048	NA	NA		0.0136	g/100g
Al	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	122	ug/mL
Al	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	78	ug/mL
Al	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.006	g/100g
Al	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.0054	g/100g
Ba	5/16/90	NA	NA	NA	NA	NA	NA	5.00E-03	M
Ba	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	0.0049	moles/l
Ba	2/28/85	NA	NA	R3638	NA	NA	1.35	0.000242	M
Ba	2/28/85	NA	NA	R-3638	NA	NA	1.35	0.000242	moles/l
Ba	2/28/85	NA	NA	R3637	NA	NA	1.41	0.0000503	M
Ba	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.0000503	moles/l
Ba	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	0.0000503	moles/l
Ca	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	0.032	moles/l
Ca	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.0173	moles/l
Ca	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	0.0173	moles/l
Ca	2/28/85	NA	NA	R3637	NA	NA	1.41	0.0173	M
Ca	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.0159	moles/l
Ca	2/28/85	NA	NA	R3638	NA	NA	1.35	0.0159	M
Ca	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	589	ug/mL
Ca	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	585	ug/mL
Ca	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	0.041	Wt%
Ca	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	549	ug/mL
Ca	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	545	ug/mL
Ca	6/29/90	NA	NA	R5887	NA	NA	NA	0.0154	M
Ca	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	0.038	Wt%
Ca	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	0.038	Wt%
Ca	8/10/94	NA	5/13/94	R4047	NA	NA	1.157	256	ug/mL

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
L	HTCE Inv.	Al	3.23E+07	1.20E+00	NA	N	HTCE Data
P	Braun	Al	6.21E+06	2.30E-01	NA	N	No reference
L	Raw	Al	5.69E+06	2.11E-01	AN107-3	Y	
L	Braun	Al	5.69E+06	2.11E-01	NA	D	Duplicate of Raw R3638
P	Raw	Al	5.34E+06	1.98E-01	AN107-3	Y	
P	Braun	Al	5.34E+06	1.98E-01	NA	D	Duplicate of Raw R3637
P	Braun	Al	5.34E+06	1.98E-01	NA	D	Duplicate of Raw R3637
P	Wastren	Al	3.78E+06	1.40E-01	NA	D	Duplicate of Raw 8650
P	Raw	Al	3.78E+06	1.40E-01	AN107-4	Y	
P	Braun	Al	3.78E+06	1.40E-01	NA	D	Duplicate of Raw 8650
P	Raw	Al	2.06E+06	7.62E-02	AN107-7	Y	
P	Raw	Al	1.23E+06	4.57E-02	AN107-8	N	Average of 3 duplicate samples
P	Raw	Al	1.18E+06	4.39E-02	AN107-8	N	Average of 3 duplicate samples
P	Raw	Al	8.79E+05	3.26E-02	AN107-8	N	Average of 3 duplicate samples
P	Raw	Al	4.89E+05	1.81E-02	AN107-8	Y	Table 4
P	Raw	Al	4.13E+05	1.53E-02	AN107-8	Y	Table 4
P	Raw	Al	4.09E+05	1.52E-02	AN107-8	Y	Table 4
P	Raw	Al	3.86E+05	1.43E-02	AN107-8	Y	Table 4
L	Raw	Al	1.85E+05	6.85E-03	AN107-8	Y	Value is for Centrate / Changed sample state Supernatant to Centrate and Code P to L
P	Raw	Al	1.71E+05	6.34E-03	AN107-8	N	Water washed value, not true centrate
P	Raw	Al	1.69E+05	6.26E-03	AN107-8	N	Water washed value, not true centrate
L	Raw	Al	1.63E+05	6.05E-03	AN107-8	Y	Value is for Centrate / Changed sample state Supernatant to Centrate and Code P to L
P	Raw	Al	1.22E+05	4.52E-03	AN107-8	N	Water washed value, not true centrate
P	Raw	Al	7.80E+04	2.89E-03	AN107-8	N	Water washed value, not true centrate
P	Raw	Al	7.20E+04	2.67E-03	AN107-8	N	Water washed value, not true centrate
P	Raw	Al	6.48E+04	2.40E-03	AN107-8	N	Water washed value, not true centrate
P	Raw	Ba	6.87E+05	5.00E-03	AN107-6	Y	
P	Braun	Ba	6.73E+05	4.90E-03	NA	N	No reference
P	RAW	Ba	3.32E+04	2.42E-04	AN107-3	Y	Added Sample State Supernate
L	Braun	Ba	3.32E+04	2.42E-04	NA	D	Duplicate of Raw R3638
P	RAW	Ba	6.91E+03	5.03E-05	AN107-3	Y	Added Sample State Supernate
P	Braun	Ba	6.91E+03	5.03E-05	NA	D	Duplicate of Raw R3637
P	Braun	Ba	6.91E+03	5.03E-05	NA	D	Duplicate of Raw R3637
P	Braun	Ca	1.28E+06	3.19E-02	NA	N	No reference
P	Braun	Ca	6.93E+05	1.73E-02	NA	D	Duplicate of Raw R3637
P	Braun	Ca	6.93E+05	1.73E-02	NA	D	Duplicate of Raw R3637
P	RAW	Ca	6.92E+05	1.73E-02	AN107-3	Y	
L	Braun	Ca	6.37E+05	1.59E-02	NA	D	Duplicate of Raw R3638
P	RAW	Ca	6.36E+05	1.59E-02	AN107-3	Y	Table 4
P	RAW	Ca	5.89E+05	1.47E-02	AN107-8	Y	Table 4
P	RAW	Ca	5.85E+05	1.46E-02	AN107-8	Y	Table 4
P	RAW	Ca	5.67E+05	1.41E-02	AN107-8	N	Average of 3 duplicate samples
P	RAW	Ca	5.49E+05	1.37E-02	AN107-8	Y	Table 4
P	RAW	Ca	5.45E+05	1.36E-02	AN107-8	Y	Table 4
P	RAW	Ca	5.32E+05	1.33E-02	AN107-7	Y	Changed value 0.0133 to 0.0154
P	RAW	Ca	5.29E+05	1.32E-02	AN107-8	N	Average of 3 duplicate samples
P	RAW	Ca	3.98E+05	9.93E-03	AN107-8	N	Average of 3 duplicate samples
P	RAW	Ca	2.56E+05	6.39E-03	AN107-8	N	Water washed value, not true centrate

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported
Ca	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	242	ug/mL
Ca	8/10/94	NA	5/13/94	R4048	NA	NA	1.141	175	ug/mL
Ca	8/10/94	NA	5/13/94	R4047	NA	NA	1.349	160	ug/mL
Cd	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	70	ug/mL
Cd	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	69	ug/mL
Cd	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	66	ug/mL
Cd	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	66	ug/mL
Cd	5/16/90	NA	NA	NA	NA	NA	NA	5.50E-04	M
Cd	2/28/85	NA	NA	R3637	NA	NA	1.41	0.000545	M
Cd	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.000545	moles/l
Cd	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	0.000545	moles/l
Cd	8/10/94	NA	5/13/94	R4047	NA	NA	1.157	30	ug/mL
Cd	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	28	ug/mL
Cd	8/10/94	NA	5/13/94	R4048	NA	NA	1.141	20	ug/mL
Cd	8/10/94	NA	5/13/94	R4047	NA	NA	1.349	16	ug/mL
Ce	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	58	ug/mL
Ce	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	56	ug/mL
Ce	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	54	ug/mL
Ce	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	50	ug/mL
Cl ⁻	2/28/85	NA	NA	R3638	NA	NA	1.35	< 5.93E-02	M
Cl ⁻	NA	NA	NA	NA	NA	NA	1.43	1.60E-01	Mole/L
Cl ⁻	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	0.23	WT %
Cl ⁻	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	0.19	WT %
Cl ⁻	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	0.25	WT %
Cl ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	2130	ug/mL
Cl	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.0593	moles/l
Cl ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	2030	ug/mL
Cl ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	2000	ug/mL
Cl ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	1870	ug/mL
Cl ⁻	2/28/85	NA	NA	R3637	NA	NA	1.41	0.041	M
Cl	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.041	moles/l
Cl ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	1060	ug/mL
Cl ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	994	ug/mL
Cl ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.08	g/100g
Cl ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.07	g/100g
Cl ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	593	ug/mL
Cl ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	574	ug/mL
Cl ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.03	g/100g
Cl ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.03	g/100g
Cr	5/16/90	NA	NA	NA	NA	NA	NA	4.40E-03	M
Cr	6/29/90	NA	NA	R-5887/CC-44H	NA	NA	NA	0.00428	M
Cr	2/28/85	NA	NA	R3638	NA	NA	1.35	0.00514	M
Cr	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.00514	moles/l
Cr	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	0.0046	moles/l
Cr	2/28/85	NA	NA	R3637	NA	NA	1.41	0.00442	M
Cr	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.00442	moles/l

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	RAW	Ca	2.42E+05	6.04E-03	AN107-8	N	Water washed value, not true centrate
P	RAW	Ca	1.75E+05	4.37E-03	AN107-8	N	Water washed value, not true centrate
P	RAW	Ca	1.60E+05	3.99E-03	AN107-8	N	Water washed value, not true centrate
P	RAW	Cd	7.00E+04	6.23E-04	AN107-8	Y	Table 4
P	RAW	Cd	6.90E+04	6.14E-04	AN107-8	Y	Table 4
P	RAW	Cd	6.60E+04	5.87E-04	AN107-8	Y	Table 4
P	RAW	Cd	6.60E+04	5.87E-04	AN107-8	Y	Table 4
P	Raw	Cd	6.18E+04	5.50E-04	AN107-6	Y	
P	RAW	Cd	6.13E+04	5.45E-04	AN107-3	Y	
P	Braun	Cd	6.13E+04	5.45E-04	NA	N	Braun Data, not used
P	Braun	Cd	6.13E+04	5.45E-04	NA	N	Braun Data, not used
P	RAW	Cd	3.00E+04	2.67E-04	AN107-8	N	Water Washed Sample
P	RAW	Cd	2.80E+04	2.49E-04	AN107-8	N	Water Washed Sample
P	RAW	Cd	2.00E+04	1.78E-04	AN107-8	N	Water Washed Sample
P	RAW	Cd	1.60E+04	1.42E-04	AN107-8	N	Water Washed Sample
P	RAW	Ce	5.80E+04	4.14E-04	AN107-8	Y	Table 4
P	RAW	Ce	5.60E+04	4.00E-04	AN107-8	Y	Table 4
P	RAW	Ce	5.40E+04	3.85E-04	AN107-8	Y	Table 4
P	RAW	Ce	5.00E+04	3.57E-04	AN107-8	Y	Table 4
L	Raw	Cl	#VALUE!	#VALUE!	AN107-3	Y	< Value
L	HTCE Inv.	Cl	5.66E+06	1.60E-01	NA	N	HTCE Data
P	Raw	Cl	3.20E+06	9.03E-02	AN107-8	N	Average of 3 duplicate samples
P	Raw	Cl	2.63E+06	7.42E-02	AN107-8	N	Average of 2 duplicate samples
P	Raw	Cl	2.62E+06	7.38E-02	AN107-8	N	Average of 3 duplicate samples
P	Raw	Cl	2.13E+06	6.01E-02	AN107-8	Y	Table 4
L	Braun	Cl	2.10E+06	5.93E-02	NA	N	< Value, Braun dated, not used
P	Raw	Cl	2.03E+06	5.73E-02	AN107-8	Y	Table 4
P	Raw	Cl	2.00E+06	5.64E-02	AN107-8	Y	Table 4
P	Raw	Cl	1.87E+06	5.27E-02	AN107-8	Y	Table 4
P	Raw	Cl	1.45E+06	4.10E-02	AN107-3	Y	
P	Braun	Cl	1.45E+06	4.10E-02	NA	D	Duplicate of Raw R3637
P	Raw	Cl	1.06E+06	2.99E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	Cl	9.94E+05	2.80E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	Cl	9.60E+05	2.71E-02	AN107-8	Y	Table 11B
P	Raw	Cl	8.40E+05	2.37E-02	AN107-8	Y	Table 11A
P	Raw	Cl	5.93E+05	1.67E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	Cl	5.74E+05	1.62E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	Cl	3.60E+05	1.02E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	Cl	3.60E+05	1.02E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	Cr	2.29E+05	4.40E-03	AN107-6	Y	
P	Raw	Cr	2.23E+05	4.28E-03	AN107-7	Y	
P	RAW	Cr+6	2.67E+05	5.14E-03	AN107-3	Y	
L	Braun	Cr+6	2.67E+05	5.14E-03	NA	D	Duplicate of Raw R3638
P	Braun	Cr+6	2.39E+05	4.60E-03	NA	N	No reference
P	RAW	Cr+6	2.30E+05	4.42E-03	AN107-3	Y	
P	Braun	Cr+6	2.30E+05	4.42E-03	NA	D	Duplicate of Raw R3637

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported
Cr	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	0.00442	moles/
Cr	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	0.013	Wt%
Cr	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	0.012	Wt%
Cr	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	0.012	Wt%
F	2/28/85	NA	NA	R3637	NA	NA	1.41	< 2.22E-01	M
F	2/28/85	NA	NA	R3638	NA	NA	1.35	< 1.86E-01	M
F	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.222	moles/
F	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.186	moles/
F	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	1870	ug/mL
F	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	1750	ug/mL
F	NA	NA	NA	NA	NA	NA	1.43	8.54E-02	Mole/L
F	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	934	ug/mL
F	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	843	ug/mL
F	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.07	g/100g
F	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.06	g/100g
Fe	2/28/85	NA	NA	R3638	NA	NA	1.35	0.0526	M
Fe	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.0526	moles/l
Fe	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	0.043	moles/l
Fe	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	1980	ug/mL
Fe	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	1850	ug/mL
Fe	2/28/85	NA	NA	R3637	NA	NA	1.41	0.0331	M
Fe	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.0331	moles/l
Fe	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	0.0331	moles/l
Fe	12/4/86	NA	NA	8650	NA	NA	NA	0.033	M
Fe	12/4/86	NS	NS	R-8650	NS	NS	NS	0.033	moles/l
Fe	12/4/86	NS	NS	NS	NS	NS	NS	1.84E+00	g/L
Fe	6/29/90	NA	NA	R-5887/CC-44H	NA	NA	NA	0.0309	M
Fe	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	1640	ug/mL
Fe	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	0.11	WT %
Fe	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	1520	ug/mL
Fe	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	0.107	WT %
Fe	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	0.105	WT %
Fe	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.0654	g/100g
Fe	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	709	ug/mL
Fe	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.0568	g/100g
Fe	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	423	ug/mL
Fe	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.0227	g/100g
Fe3+ (total Fe)	NA	NA	NA	NA	NA	NA	1.43	3.95E-03	Mole/L
Fe	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.0148	g/100g
Fe	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	156	ug/mL
Fe	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	102	ug/mL
K	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	0.188	WT %
K	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	0.146	WT %
K	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	0.048	moles/l
K	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	1800	ug/mL
K	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	1770	ug/mL

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Braun	Cr+6	2.30E+05	4.42E-03	NA	N	Braun data, not used
P	RAW	Cr+6	1.80E+05	3.46E-03	AN107-8	N	Average of 2 duplicate samples
P	RAW	Cr+6	1.67E+05	3.21E-03	AN107-8	N	Average of 3 duplicate samples
P	RAW	Cr+6	1.26E+05	2.42E-03	AN107-8	N	Average of 3 duplicate samples
P	Raw	F	#VALUE!	#VALUE!	AN107-3	Y	< Value
L	Raw	F	#VALUE!	#VALUE!	AN107-3	Y	< Value
P	Braun	F	4.22E+06	2.22E-01	NA	N	Used < value but made value as an upper limit
L	Braun	F	3.53E+06	1.86E-01	NA	N	Used < value but made value as an upper limit
P	Raw	F	1.87E+06	9.84E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	F	1.75E+06	9.21E-02	AN107-8	N	Water washed value, not true centrate
L	HTCE Inv.	F	1.62E+06	8.55E-02	NA	N	
P	Raw	F	9.34E+05	4.92E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	F	8.43E+05	4.44E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	F	8.40E+05	4.42E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	F	7.20E+05	3.79E-02	AN107-8	N	Water washed value, not true centrate
L	Raw	Fe	2.94E+06	5.26E-02	AN107-3	Y	
L	Braun	Fe	2.94E+06	5.26E-02	NA	D	Duplicate of Raw R3638
P	Braun	Fe	2.40E+06	4.30E-02	NA	N	No reference
P	Raw	Fe	1.98E+06	3.55E-02	AN107-8	Y	Table 4
P	Raw	Fe	1.85E+06	3.31E-02	AN107-8	Y	Table 4
P	Raw	Fe	1.85E+06	3.31E-02	AN107-3	Y	
P	Braun	Fe	1.85E+06	3.31E-02	NA	D	Duplicate of Raw R3637
P	Braun	Fe	1.85E+06	3.31E-02	NA	D	Duplicate of Raw R3637
P	Raw	Fe	1.84E+06	3.30E-02	AN107-4	Y	
P	Braun	Fe	1.84E+06	3.30E-02	NA	D	Duplicate of Raw 8650
P	Wastren	Fe	1.84E+06	3.29E-02	NA	D	Duplicate of Raw 8650
P	Raw	Fe	1.73E+06	3.32E-02	AN107-7	Y	
P	Raw	Fe	1.64E+06	2.94E-02	AN107-8	Y	Table 4
P	Raw	Fe	1.52E+06	2.73E-02	AN107-8	N	Average of 2 duplicate samples
P	Raw	Fe	1.52E+06	2.72E-02	AN107-8	Y	Table 4
P	Raw	Fe	1.49E+06	2.67E-02	AN107-8	N	Average of 3 duplicate samples
P	Raw	Fe	1.10E+06	1.97E-02	AN107-8	N	Average of 3 duplicate samples
P	Raw	Fe	7.85E+05	1.41E-02	AN107-8	Y	Table 11B
P	Raw	Fe	7.09E+05	1.27E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	Fe	6.82E+05	1.22E-02	AN107-8	Y	Table 11A
P	Raw	Fe	4.23E+05	7.57E-03	AN107-8	N	Water washed value, not true centrate
P	Raw	Fe	2.72E+05	4.88E-03	AN107-8	N	Water washed value, not true centrate
L	HTCE Inv.	Fe	2.20E+05	3.95E-03	NA	N	
P	Raw	Fe	1.78E+05	3.18E-03	AN107-8	N	Water washed value, not true centrate
P	Raw	Fe	1.56E+05	2.79E-03	AN107-8	N	Water washed value, not true centrate
P	Raw	Fe	1.02E+05	1.83E-03	AN107-8	N	Water washed value, not true centrate
P	Raw	K	2.60E+06	6.65E-02	AN107-8	N	Average of 2 duplicate samples
P	Raw	K	2.03E+06	5.20E-02	AN107-8	N	Average of 3 duplicate samples
P	Braun	K	1.88E+06	4.80E-02	NA	N	No reference, Braun data, not used
P	Raw	K	1.80E+06	4.60E-02	AN107-8	Y	Table 4
P	Raw	K	1.77E+06	4.53E-02	AN107-8	Y	Table 4

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
K	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	1730	ug/mL
K	2/28/85	NA	NA	R3637	NA	NA	1.41	4.39E-02	M
K	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.0439	moles/l
K	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	0.0439	moles/l
K	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	1690	ug/mL
K	2/28/85	NA	NA	R3638	NA	NA	1.35	0.0425	M
K	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.0425	moles/l
K	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	0.123	WT %
K+	NA	NA	NA	NA	NA	NA	1.43	2.84E-02	Mole/L
K	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.0632	g/100g
K	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	738	ug/mL
K	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.0611	g/100g
K	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	728	ug/mL
K	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	495	ug/mL
K	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	427	ug/mL
K	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.0255	g/100g
K	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.0236	g/100g
La	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.00101	moles/l
La	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.000277	moles/l
La	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	0.000277	moles/l
Na	6/29/90	NA	NA	R-5887/CC-44H	NA	NA	NA	8.22	M
Na	2/28/85	NA	NA	R3637	NA	NA	1.41	10.1	M
Na	2/28/85	NS	NS	R-3637	NS	NS	1.41	10.1	moles/l
Na	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	10.1	moles/l
Na	2/28/85	NA	NA	R3638	NA	NA	1.35	9.8	M
Na	2/28/85	NS	NS	R-3638	NS	NS	1.35	9.8	moles/l
Na	12/4/86	NA	NA	R8650	NA	NA	NA	9.15	mol/l
Na	12/4/86	NS	NS	R-8650	NS	NS	NS	9.15	moles/l
Na	12/4/86	NS	NS	NS	NS	NS	NS	210	g/L
Na	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	207000	ug/mL
Na	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	201000	ug/mL
Na	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	14.275	Wt%
Na	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	8.5	moles/l
Na	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	14.108	Wt%
Na	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	196000	ug/mL
Na	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	196000	ug/mL
Na	6/29/90	NA	NA	R5887	NA	NA	NA	8.22	M
Na	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	14.431	Wt%
Na	8/10/94	NA	5/13/94	R4047	NA	NA	1.157	87500	ug/mL
Na	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	84100	ug/mL
Na	8/10/94	NA	5/13/94	R4048	NA	NA	1.141	61000	ug/mL
Na	8/10/94	NA	5/13/94	R4047	NA	NA	1.349	50800	ug/mL
Nd	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	0.00098	moles/l
Nd	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	113	ug/mL
Nd	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	109	ug/mL
Nd	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	103	ug/mL
Nd	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	99	ug/mL
Nd	8/10/94	NA	5/13/94	R4047	NA	NA	1.157	41	ug/mL
Nd	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	36	ug/mL
Nd	8/10/94	NA	5/13/94	R4048	NA	NA	1.141	22	ug/mL

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	K	1.73E+06	4.42E-02	AN107-8	Y	Table 4
P	Raw	K	1.72E+06	4.39E-02	AN107-3	Y	
P	Braun	K	1.72E+06	4.39E-02	NA	D	Duplicate of Raw R3637
P	Braun	K	1.72E+06	4.39E-02	NA	N	No reference, Braun data, not used
P	Raw	K	1.69E+06	4.32E-02	AN107-8	Y	Table 4
L	Raw	K	1.66E+06	4.25E-02	AN107-3	Y	
L	Braun	K	1.66E+06	4.25E-02	NA	D	Duplicate of Raw R3638
P	Raw	K	1.29E+06	3.29E-02	AN107-8	N	Average of 3 duplicate samples
L	HTCE Inv.	K	1.11E+06	2.84E-02	NA	N	HTCE Data
P	Raw	K	7.58E+05	1.94E-02	AN107-8	Y	Table 11A
P	Raw	K	7.38E+05	1.89E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	K	7.33E+05	1.88E-02	AN107-8	Y	Table 11B
P	Raw	K	7.28E+05	1.86E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	K	4.95E+05	1.27E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	K	4.27E+05	1.09E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	K	3.06E+05	7.83E-03	AN107-8	N	Water washed value, not true centrate
P	Raw	K	2.83E+05	7.24E-03	AN107-8	N	Water washed value, not true centrate
L	Braun	La	1.40E+05	1.01E-03	NA	N	Braun data, not used
P	Braun	La	3.85E+04	2.77E-04	NA	N	Braun data, not used
P	Braun	La	3.85E+04	2.77E-04	NA	N	Braun data, not used
P	Raw	Na	4.27E+08	7.65E+00	AN107-7	Y	
P	RAW	Na	2.32E+08	1.01E+01	AN107-3	Y	
P	Braun	Na	2.32E+08	1.01E+01	NA	D	Duplicate of Raw R3637
P	Braun	Na	2.32E+08	1.01E+01	NA	N	No reference, Braun data, not used
P	RAW	Na	2.25E+08	9.78E+00	AN107-3	Y	
L	Braun	Na	2.25E+08	9.78E+00	NA	D	Duplicate of Raw R3638
P	RAW	Na	2.10E+08	9.13E+00	AN107-4	Y	
P	Braun	Na	2.10E+08	9.13E+00	NA	D	Duplicate of Raw 8650
P	Wastren	Na	2.10E+08	9.13E+00	NA	D	Duplicate of Raw 8650
P	RAW	Na	2.07E+08	9.00E+00	AN107-8	Y	Table 4
P	RAW	Na	2.01E+08	8.74E+00	AN107-8	Y	Table 4
P	RAW	Na	1.98E+08	8.61E+00	AN107-8	N	Average of 2 duplicate samples
P	Braun	Na	1.96E+08	8.52E+00	NA	D	Duplicate of Raw R3454
P	RAW	Na	1.96E+08	8.52E+00	AN107-8	N	Average of 3 duplicate samples
P	RAW	Na	1.96E+08	8.52E+00	AN107-8	Y	Table 4
P	RAW	Na	1.96E+08	8.52E+00	AN107-8	Y	Table 4
P	RAW	Na	1.95E+08	8.48E+00	AN107-7	Y	
P	RAW	Na	1.51E+08	6.57E+00	AN107-8	N	Average of 3 duplicate samples
P	RAW	Na	8.75E+07	3.80E+00	AN107-8	N	Water washed value, not true centrate
P	RAW	Na	8.41E+07	3.66E+00	AN107-8	N	Water washed value, not true centrate
P	RAW	Na	6.10E+07	2.65E+00	AN107-8	N	Water washed value, not true centrate
P	RAW	Na	5.08E+07	2.21E+00	AN107-8	N	Water washed value, not true centrate
P	Braun	Nd	1.41E+05	9.78E-04	NA	N	Braun data, not used
P	RAW	Nd	1.13E+05	7.83E-04	AN107-8	Y	Table 4
P	RAW	Nd	1.09E+05	7.56E-04	AN107-8	Y	Table 4
P	RAW	Nd	1.03E+05	7.14E-04	AN107-8	Y	Table 4
P	RAW	Nd	9.90E+04	6.86E-04	AN107-8	Y	Table 4
P	RAW	Nd	4.10E+04	2.84E-04	AN107-8	N	Not "C-Sup" samples
P	RAW	Nd	3.60E+04	2.50E-04	AN107-8	N	Not "C-Sup" samples
P	RAW	Nd	2.20E+04	1.53E-04	AN107-8	N	Not "C-Sup" samples

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported
Nd	8/10/94	NA	5/13/94	R4047	NA	NA	1.349	16	ug/mL
Ni	8/10/94	NA	5/13/94	R3155	NA	NA	1.384	0.33	WT %
Ni	6/29/90	NA	NA	R-5887/CC-44H	NA	NA	NA	0.01	M
Ni	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	573	ug/mL
Ni	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	573	ug/mL
Ni	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	541	ug/mL
Ni	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	537	ug/mL
Ni	2/28/85	NA	NA	R3637	NA	NA	1.41	0.0088	M
Ni	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.0088	moles/l
Ni	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	0.0088	moles/l
Ni	2/28/85	NA	NA	R3638	NA	NA	1.35	0.00816	M
Ni	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.00816	moles/l
Ni	8/10/94	NA	5/13/94	R3154	NA	NA	1.392	0.032	WT %
Ni	3/6/85	NS	NS	RAT-AN107-1B	NS	NS	NS	0.0071	moles/l
Ni	8/10/94	NA	5/13/94	R2686	NA	NA	1.047	0.032	WT %
Ni	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	245	ug/mL
Ni	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.0202	g/100g
Ni	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	232	ug/mL
Ni	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.019	g/100g
Ni2 +	NA	NA	NA	NA	NA	NA	1.43	3.33E-03	Mole/L
Ni	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	160	ug/mL
Ni	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	132	ug/mL
Ni	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.0081	g/100g
Ni	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.0078	g/100g
NO2-	NA	NA	NA	NA	NA	NA	1.43	2.17E+00	Mole/L
NO2 ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	63800	ug/mL
NO2 ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	61100	ug/mL
NO2 ⁻	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	4.32	WT %
NO2 ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	59700	ug/mL
NO2 ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	52500	ug/mL
NO2	6/29/90	NA	NA	R-5887CC-42B	NA	NA	NA	1.09	M
NO2 ⁻	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	3.35	WT %
NO2	6/29/90	NA	NA	R-5887/CC-44H	NA	NA	NA	1.01	M
NO2	4/23/84	NS	NS	R8843	NS	NS	NS	0.84	Moles/L
NO2-	12/4/86	NS	NS	NS	NS	NS	NS	3.82E+01	g/L
NO2	12/4/86	NA	NA	8650	NA	NA	NA	0.83	M
NO2	12/4/86	NS	NS	R-8650	NS	NS	NS	0.83	moles/l
NO2 ⁻	2/28/85	NA	NA	R3637	NA	NA	1.41	0.829	M
NO2	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.829	moles/l
NO2 ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	37500	ug/mL
NO2	4/23/84	NS	NS	R8844	NS	NS	NS	0.81	Moles/L
NO2 ⁻	2/28/85	NA	NA	R3638	NA	NA	1.35	0.776	M
NO2	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.776	moles/l
NO2 ⁻	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	2.95	WT %
NO2 ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	29400	ug/mL
NO2 ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	NA	2.25	g/100g

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	RAW	Nd	1.60E+04	1.11E-04	AN107-8	N	Not "C-Sup" samples
P	Raw	Ni	4.57E+06	7.78E-02	AN107-8	N	Table 2
P	Raw	Ni	5.87E+05	1.00E-02	AN107-7	Y	
P	Raw	Ni	5.73E+05	9.76E-03	AN107-8	Y	Table 4
P	Raw	Ni	5.73E+05	9.76E-03	AN107-8	Y	Table 4
P	Raw	Ni	5.41E+05	9.22E-03	AN107-8	Y	Table 4
P	Raw	Ni	5.37E+05	9.15E-03	AN107-8	Y	Table 4
P	Raw	Ni	5.16E+05	8.80E-03	AN107-3	Y	Table 4
P	Braun	Ni	5.16E+05	8.80E-03	NA	N	Table 2
P	Braun	Ni	5.16E+05	8.80E-03	NA	N	Table 2
L	Raw	Ni	4.79E+05	8.16E-03	AN107-3	Y	
L	Braun	Ni	4.79E+05	8.16E-03	NA	N	Table 2
P	Raw	Ni	4.45E+05	7.59E-03	AN107-8	N	Table 2
P	Braun	Ni	4.17E+05	7.10E-03	NA	N	Braun data, not used
P	Raw	Ni	3.35E+05	5.71E-03	AN107-8	N	Table 2
P	Raw	Ni	2.45E+05	4.17E-03	AN107-8	N	Not "C-Sup" samples
P	Raw	Ni	2.42E+05	4.13E-03	AN107-8	Y	Table 11A
P	Raw	Ni	2.32E+05	3.95E-03	AN107-8	N	Not "C-Sup" samples
P	Raw	Ni	2.28E+05	3.88E-03	AN107-8	Y	Table 11B
L	HTCE Inv.	Ni	1.95E+05	3.33E-03	NA	N	HTCE Data
P	Raw	Ni	1.60E+05	2.73E-03	AN107-8	N	Not "C-Sup" samples
P	Raw	Ni	1.32E+05	2.25E-03	AN107-8	N	Not "C-Sup" samples
P	Raw	Ni	9.72E+04	1.66E-03	AN107-8	N	Not "C-Sup" samples
P	Raw	Ni	9.36E+04	1.59E-03	AN107-8	N	Not "C-Sup" samples
L	HTCE Inv.	NO ₂	9.99E+07	2.17E+00	NA	N	HTCE Data
P	Raw	NO ₂	6.38E+07	1.39E+00	AN107-8	Y	Table 4
P	Raw	NO ₂	6.11E+07	1.33E+00	AN107-8	Y	Changed reported value 61000 to 61100, Table 4
P	Raw	NO ₂	5.98E+07	1.30E+00	AN107-8	N	Average of 2 duplicate samples
P	Raw	NO ₂	5.97E+07	1.30E+00	AN107-8	Y	Table 4
P	Raw	NO ₂	5.25E+07	1.14E+00	AN107-8	Y	Table 4
P	Raw	NO ₂	5.01E+07	1.09E+00	AN107-7	Y	
P	Raw	NO ₂	4.66E+07	1.01E+00	AN107-8	N	Average of 3 duplicate samples
P	Raw	NO ₂	4.65E+07	1.01E+00	AN107-7	Y	
P	Raw	NO ₂	3.86E+07	8.40E-01	AN107-2	Y	
P	Wastren	NO ₂	3.82E+07	8.30E-01	NA	D	Duplicate of Raw 8650
P	Raw	NO ₂	3.82E+07	8.30E-01	AN107-4	Y	
P	Braun	NO ₂	3.82E+07	8.30E-01	NA	D	Duplicate of Raw 8650
P	Raw	NO ₂	3.81E+07	8.29E-01	AN107-3	Y	
P	Braun	NO ₂	3.81E+07	8.29E-01	NA	D	Duplicate of Raw R3637
P	Raw	NO ₂	3.75E+07	8.15E-01	AN107-8	N	Water washed value, not true centrate
P	Raw	NO ₂	3.73E+07	8.10E-01	AN107-2	Y	
L	Raw	NO ₂	3.57E+07	7.76E-01	AN107-3	Y	
L	Braun	NO ₂	3.57E+07	7.76E-01	NA	D	Duplicate of Raw R3638
P	Raw	NO ₂	3.09E+07	6.71E-01	AN107-8	N	Average of 3 duplicate samples
P	Raw	NO ₂	2.94E+07	6.39E-01	AN107-8	N	Water washed value, not true centrate
P	Raw	NO ₂	2.70E+07	5.87E-01	AN107-8	Y	Table 11B

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported L
NO ₂ ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	NA	1.96	g/100g
NO ₂ ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	21200	ug/mL
NO ₂ ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	16800	ug/mL
NO ₂ ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	NA	1.2	g/100g
NO ₂ ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	NA	1.03	g/100g
NO ₂	10/10/80	NA	NA	5439	NA	NA	NA	0.258	M
NO ₂	10/10/80	NA	NA	5440	NA	NA	NA	0.258	M
NO ₃	4/23/84	NS	NS	R8843	NS	NS	NS	4.08	Moles/L
NO ₃	4/23/84	NS	NS	R8844	NS	NS	NS	3.98	Moles/L
NO ₃ ⁻	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	16.67	WT %
NO ₃ ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	229000	ug/mL
NO ₃ ⁻	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	16.41	WT %
NO ₃ ⁻	2/28/85	NA	NA	R3637	NA	NA	1.41	3.54	M
NO ₃	2/28/85	NS	NS	R-3637	NS	NS	1.41	3.54	moles/l
NO ₃ ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	218000	ug/mL
NO ₃ ⁻	2/28/85	NA	NA	R3638	NA	NA	1.35	3.51	M
NO ₃	2/28/85	NS	NS	R-3638	NS	NS	1.35	3.51	moles/l
NO ₃ ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	216000	ug/mL
NO ₃ -	NA	NA	NA	NA	NA	NA	1.43	3.06E+00	Mole/L
NO ₃ ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	189000	ug/mL
NO ₃ ⁻	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	17.88	WT %
NO ₃	12/4/86	NA	NA	8650	NA	NA	NA	2.7	M
NO ₃	12/4/86	NS	NS	R-8650	NS	NS	NS	2.7	moles/l
NO ₃ -	12/4/86	NS	NS	NS	NS	NS	NS	1.67E+02	g/L
NO ₃ ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	128000	ug/mL
NO ₃ ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	98100	ug/mL
NO ₃ ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	NA	8.09	g/100g
NO ₃ ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	NA	7.07	g/100g
NO ₃ ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	67800	ug/mL
NO ₃ ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	56100	ug/mL
NO ₃ ⁻	8/10/94	NA	5/13/94	R4048	NA	NA	NA	4.1	g/100g
NO ₃ ⁻	8/10/94	NA	5/13/94	R4047	NA	NA	NA	3.44	g/100g
OH	12/4/86	12/4/86	NA	R-8650	NA	NA	NA	<0.05	M
OH-	6/29/90	NA	NA	R5887	NA	NA	NA	0.646	M
OH-	6/29/90	NA	NA	R5887	NA	NA	NA	0.571	M
OH-	6/29/90	NA	NA	R5887	NA	NA	NA	0.476	M
OH-	10/10/80	NS	NS	5440	NS	NS	NS	0.243	M
OH-	10/10/80	NS	NS	5439	NS	NS	NS	0.229	M
OH-	12/4/86	NS	NS	NS	NS	NS	NS	0.85	g/L
OH	6/29/90	NA	NA	R-5887/CC-44H	NA	NA	NA	0.0603	M
OH	6/29/90	NA	NA	R-5887CC-42B	NA	NA	NA	0.0525	M
Pb	2/28/85	NA	NA	R3638	NA	NA	1.35	<2.60E-03	M
Pb	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.0026	moles/l
Pb	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	461	ug/mL

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	NO ₂	2.35E+07	5.11E-01	AN107-8	Y	Table 11A
P	Raw	NO ₂	2.12E+07	4.61E-01	AN107-8	N	Water washed value, not true centrate
P	Raw	NO ₂	1.68E+07	3.65E-01	AN107-8	N	Water washed value, not true centrate
P	Raw	NO ₂	1.44E+07	3.13E-01	AN107-8	N	Water washed value, not true centrate
P	Raw	NO ₂	1.24E+07	2.69E-01	AN107-8	N	Water washed value, not true centrate
F	Raw	NO ₂	1.19E+07	2.58E-01	AN107-1	Y	
F	Raw	NO ₂	1.19E+07	2.58E-01	AN107-1	Y	
P	Raw	NO ₃	2.53E+08	4.08E+00	AN107-2	Y	
P	Raw	NO ₃	2.47E+08	3.98E+00	AN107-2	Y	
P	Raw	NO ₃	2.32E+08	3.74E+00	AN107-8	N	Average of 3 duplicate samples
P	Raw	NO ₃	2.29E+08	3.69E+00	AN107-8	Y	Table 4
P	Raw	NO ₃	2.27E+08	3.66E+00	AN107-8	N	Average of 2 duplicate samples
P	Raw	NO ₃	2.19E+08	3.54E+00	AN107-3	Y	
P	Braun	NO ₃	2.19E+08	3.54E+00	NA	D	Duplicate of Raw R3637
P	Raw	NO ₃	2.18E+08	3.52E+00	AN107-8	Y	Table 4
L	Raw	NO ₃	2.18E+08	3.51E+00	AN107-3	Y	
L	Braun	NO ₃	2.18E+08	3.51E+00	NA	D	Duplicate of Raw R3638
P	Raw	NO ₃	2.16E+08	3.48E+00	AN107-8	Y	Table 4
L	HTCE Inv.	NO ₃	1.90E+08	3.06E+00	NA	N	
P	Raw	NO ₃	1.89E+08	3.05E+00	AN107-8	Y	Table 4
P	Raw	NO ₃	1.87E+08	3.02E+00	AN107-8	N	Average of 3 duplicate samples
P	Raw	NO ₃	1.67E+08	2.70E+00	AN107-4	Y	
P	Braun	NO ₃	1.67E+08	2.70E+00	NA	D	Duplicate of Raw 8650
P	Wastren	NO ₃	1.67E+08	2.69E+00	NA	D	Duplicate of Raw 8650
P	Raw	NO ₃	1.28E+08	2.06E+00	AN107-8	N	Water washed value, not true centrate
P	Raw	NO ₃	9.81E+07	1.58E+00	AN107-8	N	Water washed value, not true centrate
P	Raw	NO ₃	9.71E+07	1.57E+00	AN107-8	Y	Table 11B
P	Raw	NO ₃	8.48E+07	1.37E+00	AN107-8	Y	Table 11A
P	Raw	NO ₃	6.78E+07	1.09E+00	AN107-8	N	Water washed value, not true centrate
P	Raw	NO ₃	5.61E+07	9.05E-01	AN107-8	N	Water washed value, not true centrate
P	Raw	NO ₃	4.92E+07	7.94E-01	AN107-8	N	Water washed value, not true centrate
P	Raw	NO ₃	4.13E+07	6.66E-01	AN107-8	N	Water washed value, not true centrate
P	Raw	OH	#VALUE!	#VALUE!	AN107-4	Y	
P	RAW	OH	2.58E+07	1.52E+00	AN107-7	N	Not "C-Sup" samples
P	RAW	OH	2.28E+07	1.34E+00	AN107-7	N	Not "C-Sup" samples
P	RAW	OH	1.90E+07	1.12E+00	AN107-7	N	Not "C-Sup" samples
L	RAW	OH	9.72E+06	5.72E-01	AN107-1	Y	
U	RAW	OH	9.16E+06	5.39E-01	AN107-1	Y	
P	Wastren	OH	2.00E+06	1.18E-01	NA	N	Wastren data, not used
P	Raw	OH	1.03E+06	6.03E-02	AN107-7	Y	
P	Raw	OH	8.93E+05	5.25E-02	AN107-7	Y	
L	Raw	Pb	#VALUE!	#VALUE!	AN107-3	Y	< Value
L	Braun	Pb	5.39E+05	2.60E-03	NA	N	Braun data, not used
P	Raw	Pb	4.61E+05	2.22E-03	AN107-8	Y	Table 4

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Pb	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	417	ug/mL
Pb	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	413	ug/mL
Pb	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	409	ug/mL
Pb	2/28/85	NA	NA	R-3637	NA	NA	1.41	0.00182	moles/l
Pb	3/6/85	NS	NS	RAT-AN107-1A	NS	NS	NS	0.00182	moles/l
Pb	5/16/90	NA	NA	NA	NA	NA	NA	0.0018	Moles/l
Pb	5/16/90	NA	NA	NA	NA	NA	NA	1.80E-03	M
Pb	8/10/94	NA	5/13/94	R3154	NA	NA	1.392	0.024	WT %
Pb	8/10/94	NA	5/13/94	R3155	NA	NA	1.384	0.024	WT %
Pb	8/10/94	NA	5/13/94	R2686	NA	NA	1.047	0.023	WT %
Pb	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	195	ug/mL
Pb	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.0153	g/100g
Pb	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.0146	g/100g
Pb	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	162	ug/mL
Pb	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	130	ug/mL
Pb	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	110	ug/mL
Pb	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.0062	g/100g
Pb	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.0057	g/100g
Pb2 +	NA	NA	NA	NA	NA	NA	1.43	1.07E-04	Mole/L
PO43-	NA	NA	NA	NA	NA	NA	1.43	1.25E-01	Mole/L
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	6350	ug/mL
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	6140	ug/mL
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	6100	ug/mL
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	6000	ug/mL
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	2950	ug/mL
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	2910	ug/mL
PO4	12/4/86	NS	NS	NS	NS	NS	NS	2.85E+00	g/L
PO ₄	12/4/86	NA	NA	8650	NA	NA	NA	0.03	M
PO4	12/4/86	NS	NS	R-8650	NS	NS	NS	0.03	moles/l
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.22	g/100g
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.22	g/100g
PO ₄ ³⁻	2/28/85	NA	NA	R3637	NA	NA	1.41	0.0233	M
PO4	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.0233	moles/l
PO ₄ ³⁻	2/28/85	NA	NA	R3638	NA	NA	1.35	0.0207	M
PO4	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.0207	moles/l
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	1510	ug/mL
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	1490	ug/mL
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.1	g/100g
PO ₄ ³⁻	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.09	g/100g
PO ₄ ³⁻	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	0.04	WT %
PO ₄ ³⁻	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	0.04	WT %
PO ₄ ³⁻	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	0.03	WT %
SO ₄ ⁻²	2/28/85	NA	NA	R3638	NA	NA	1.35	< 1.81E-01	M
SO42-	NA	NA	NA	NA	NA	NA	1.43	2.72E-01	Mole/L
SO4	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.181	moles/l

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Pb	4.17E+05	2.01E-03	AN107-8	Y	Table 4
P	Raw	Pb	4.13E+05	1.99E-03	AN107-8	Y	Table 4
P	Raw	Pb	4.09E+05	1.97E-03	AN107-8	Y	Table 4
P	Raw	Pb	3.77E+05	1.82E-03	AN107-3	Y	
P	Braun	Pb	3.77E+05	1.82E-03	NA	N	Braun data, not used
P	Raw	Pb	3.73E+05	1.80E-03	AN107-6	Y	
P	Raw	Pb	3.73E+05	1.80E-03	AN107-6	NR	
P	Raw	Pb	3.34E+05	1.61E-03	AN107-8	N	Table 2
P	Raw	Pb	3.32E+05	1.60E-03	AN107-8	N	Table 2
P	Raw	Pb	2.41E+05	1.16E-03	AN107-8	N	Table 2
P	Raw	Pb	1.95E+05	9.41E-04	AN107-8	N	Not "C-Sup" samples
P	Raw	Pb	1.84E+05	8.86E-04	AN107-8	Y	Table 11A
P	Raw	Pb	1.75E+05	8.46E-04	AN107-8	Y	Table 11B
P	Raw	Pb	1.62E+05	7.82E-04	AN107-8	N	Not "C-Sup" samples
P	Raw	Pb	1.30E+05	6.27E-04	AN107-8	N	Not "C-Sup" samples
P	Raw	Pb	1.10E+05	5.31E-04	AN107-8	N	Not "C-Sup" samples
P	Raw	Pb	7.44E+04	3.59E-04	AN107-8	N	Not "C-Sup" samples
P	Raw	Pb	6.84E+04	3.30E-04	AN107-8	N	Not "C-Sup" samples
L	HTCE Inv.	Pb	2.21E+04	1.07E-04	NA	N	HTCE Data
L	HTCE Inv.	PO ₄	1.19E+07	1.25E-01	NA	N	HTCE Data
P	Raw	PO ₄	6.35E+06	6.68E-02	AN107-8	Y	Table 4
P	Raw	PO ₄	6.14E+06	6.46E-02	AN107-8	Y	Table 4
P	Raw	PO ₄	6.10E+06	6.42E-02	AN107-8	Y	Table 4
P	Raw	PO ₄	6.00E+06	6.32E-02	AN107-8	Y	Table 4
P	Raw	PO ₄	2.95E+06	3.11E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	PO ₄	2.91E+06	3.06E-02	AN107-8	N	Water washed value, not true centrate
P	Wastren	PO ₄	2.85E+06	3.00E-02	NA	D	Duplicate of Raw 8650
P	Raw	PO ₄	2.85E+06	3.00E-02	AN107-4	Y	
P	Braun	PO ₄	2.85E+06	3.00E-02	NA	D	Duplicate of Raw 8650
P	Raw	PO ₄	2.64E+06	2.78E-02	AN107-8	Y	Table 11A
P	Raw	PO ₄	2.64E+06	2.78E-02	AN107-8	Y	Table 11B
P	Raw	PO ₄	2.21E+06	2.33E-02	AN107-3	Y	
P	Braun	PO ₄	2.21E+06	2.33E-02	NA	D	Duplicate of Raw R3637
L	Raw	PO ₄	1.97E+06	2.07E-02	AN107-3	Y	
L	Braun	PO ₄	1.97E+06	2.07E-02	NA	D	Duplicate of Raw R3638
P	Raw	PO ₄	1.51E+06	1.59E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	PO ₄	1.49E+06	1.57E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	PO ₄	1.20E+06	1.26E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	PO ₄	1.08E+06	1.14E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	PO ₄	5.57E+05	5.86E-03	AN107-8	N	Average of 3 duplicate samples
P	Raw	PO ₄	5.54E+05	5.83E-03	AN107-8	N	Average of 2 duplicate samples
P	Raw	PO ₄	3.14E+05	3.31E-03	AN107-8	N	Average of 3 duplicate samples
L	Raw	SO ₄	#VALUE!	#VALUE!	AN107-3	Y	< Value
L	HTCE Inv.	SO ₄	2.62E+07	2.73E-01	NA	N	HTCE Data
L	Braun	SO ₄	1.74E+07	1.81E-01	NA	N	< Value, Braun data, not used

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported
SO ₄ ²⁻	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	1.16	WT %
SO ₄ ²⁻	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	1.00	WT %
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	12500	ug/mL
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	12500	ug/mL
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	12100	ug/mL
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	11300	ug/mL
SO ₄ ²⁻	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	0.79	WT %
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	6640	ug/mL
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	6380	ug/mL
SO ₄ ²⁻	2/28/85	NA	NA	R3637	NA	NA	1.41	0.0633	M
SO ₄	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.0633	moles/l
SO ₄	12/4/86	NA	NA	8650	NA	NA	NA	0.06	M
SO ₄	12/4/86	NS	NS	R-8650	NS	NS	NS	0.06	moles/l
SO ₄	12/4/86	NS	NS	NS	NS	NS	NS	5.76E+00	g/L
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.44	g/100g
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.42	g/100g
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	3490	ug/mL
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	3350	ug/mL
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.22	g/100g
SO ₄ ²⁻	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.21	g/100g
Sr	3/6/85	NS	NS	RAT-AN107	NS	NS	NS	0.000074	moles/l
TOC	6/29/90	NA	NA	R-5887CC-42B	NA	NA	NA	46.7	g/L
TOC	4/23/84	NS	NS	R8843	NA	NA	NA	46	g /L
TOC	8/10/94	NA	2/7/93	R3155	NA	NA	1.384	3.24	WT %
TOC	4/23/84	NS	NS	R8844	NS	NS	NA	44.4	g /L
TOC	2/28/85	NA	NA	R3637	NA	NA	1.41	44.3	gC/L
TOC	2/28/85	NS	NS	R-3637	NS	NS	1.41	44.3	gm/l
TOC	6/29/90	NA	NA	R-5887/CC-44H	NA	NA	NA	42.8	g/L
TOC	8/10/94	NA	5/13/94	R4048	NA	NA	1.352	42200	ug/mL
TOC	8/10/94	NA	2/7/93	R3154	NA	NA	1.392	2.99	WT %
TOC	12/4/86	NA	NA	8650	NA	NA	NA	39.1	g/L
TOC	12/4/86	NS	NS	R-8650	NS	NS	NS	39.1	gm/l
TOC	12/4/86	NS	NS	NS	NS	NS	NS	3.91E+01	g/L
TOC	2/28/85	NA	NA	R3638	NA	NA	1.35	38.8	gC/L
TOC	2/28/85	NS	NS	R-3638	NS	NS	1.35	38.8	gm/l
TOC	8/10/94	NA	5/13/94	R4047	NA	NA	1.345	38000	ug/mL
TOC	8/10/94	NA	5/13/94	R4048	NA	NA	1.349	37900	ug/mL
TOC	8/10/94	NA	5/13/94	R4047	NA	NA	1.363	37300	ug/mL
TOC	8/10/94	NA	2/7/93	R2686	NA	NA	1.047	2.99	WT %
TOC	8/10/94	NA	5/13/94	R4048	NA	NA	1.157	20900	ug/mL
TOC wt% C (wet)	NA	NA	NA	NA	NA	NA	1.43	1.46E+00	wt%
TOC	8/10/94	NA	5/13/94	R4047	NA	NA	1.15	19100	ug/mL
TOC	8/10/94	NA	5/13/94	R4048	NA	NA	NA	1.49	g/100g
TOC	8/10/94	NA	5/13/94	R4047	NA	NA	NA	1.39	g/100g
TOC	8/10/94	NA	5/13/94	R4047	NA	NA	1.141	14400	ug/mL
TOC	8/10/94	NA	5/13/94	R4048	NA	NA	1.139	10800	ug/mL

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	SO ₄	1.61E+07	1.68E-01	AN107-8	N	Average of 3 duplicate samples
P	Raw	SO ₄	1.38E+07	1.44E-01	AN107-8	N	Average of 2 duplicate samples
P	Raw	SO ₄	1.25E+07	1.30E-01	AN107-8	Y	Table 4
P	Raw	SO ₄	1.25E+07	1.30E-01	AN107-8	Y	Table 4
P	Raw	SO ₄	1.21E+07	1.26E-01	AN107-8	Y	Table 4
P	Raw	SO ₄	1.13E+07	1.18E-01	AN107-8	Y	Table 4
P	Raw	SO ₄	8.27E+06	8.62E-02	AN107-8	N	Average of 3 duplicate samples
P	Raw	SO ₄	6.64E+06	6.92E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	SO ₄	6.38E+06	6.65E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	SO ₄	6.08E+06	6.34E-02	AN107-3	Y	
P	Braun	SO ₄	6.08E+06	6.34E-02	NA	D	Duplicate of Raw R3637
P	Raw	SO ₄	5.77E+06	6.01E-02	AN107-4	Y	
P	Braun	SO ₄	5.77E+06	6.01E-02	NA	D	Duplicate of Raw 8650
P	Wastren	SO ₄	5.76E+06	6.00E-02	NA	D	Duplicate of Raw 8650
P	Raw	SO ₄	5.28E+06	5.50E-02	AN107-8	Y	Table 11B
P	Raw	SO ₄	5.04E+06	5.25E-02	AN107-8	Y	Table 11A
P	Raw	SO ₄	3.49E+06	3.64E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	SO ₄	3.35E+06	3.49E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	SO ₄	2.64E+06	2.75E-02	AN107-8	N	Water washed value, not true centrate
P	Raw	SO ₄	2.52E+06	2.63E-02	AN107-8	N	Water washed value, not true centrate
P	Braun	Sr	6.48E+03	7.40E-05	NA	N	Braun data, not used
P	Raw	TOC	4.67E+07	3.89E+00	AN107-7	Y	
P	Raw	TOC	4.60E+07	3.83E+00	AN107-2	Y	
P	Raw	TOC	4.48E+07	3.74E+00	AN107-8	N	Average of 2 duplicate samples
P	Raw	TOC	4.44E+07	3.70E+00	AN107-2	Y	
P	Raw	TOC	4.43E+07	3.69E+00	AN107-3	Y	
P	Braun	TOC	4.43E+07	3.69E+00	NA	D	Duplicate of Raw R3637
P	Raw	TOC	4.28E+07	3.57E+00	AN107-7	Y	
P	Raw	TOC	4.22E+07	3.52E+00	AN107-8	Y	Table 4
P	Raw	TOC	4.16E+07	3.47E+00	AN107-8	N	Average of 3 duplicate samples
P	Raw	TOC	3.91E+07	3.26E+00	AN107-4	Y	
P	Braun	TOC	3.91E+07	3.26E+00	NA	D	Duplicate of Raw 8650
P	Wastren	TOC	3.91E+07	3.26E+00	NA	D	Duplicate of Raw 8650
L	Raw	TOC	3.88E+07	3.23E+00	AN107-3	Y	
L	Braun	TOC	3.88E+07	3.23E+00	NA	D	Duplicate of Raw R3638
P	Raw	TOC	3.80E+07	3.17E+00	AN107-8	Y	Table 4
P	Raw	TOC	3.79E+07	3.16E+00	AN107-8	Y	Table 4
P	Raw	TOC	3.73E+07	3.11E+00	AN107-8	Y	Table 4
P	Raw	TOC	3.13E+07	2.61E+00	AN107-8	N	Average of 3 duplicate samples
P	Raw	TOC	2.09E+07	1.74E+00	AN107-8	N	Water washed value, not true centrate
L	HTCE Inv.	TOC	2.09E+07	1.74E+00	NA	N	HTCE Data
P	Raw	TOC	1.91E+07	1.59E+00	AN107-8	N	Water washed value, not true centrate
P	Raw	TOC	1.79E+07	1.49E+00	AN107-8	Y	Table 11B
P	Raw	TOC	1.67E+07	1.39E+00	AN107-8	Y	Table 11A
P	Raw	TOC	1.44E+07	1.20E+00	AN107-8	N	Water washed value, not true centrate
P	Raw	TOC	1.08E+07	9.00E-01	AN107-8	N	Water washed value, not true centrate

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported U
TOC	8/10/94	NA	5/13/94	R4047	NA	NA	NA	0.67	g/100g
TOC	8/10/94	NA	5/13/94	R4048	NA	NA	NA	0.67	g/100g
U	2/28/85	NA	NA	R3638	NA	NA	1.35	0.172	g/l
U	2/28/85	NS	NS	R-3638	NS	NS	1.35	0.172	gm/l
U	2/28/85	NA	NA	R3637	NA	NA	1.41	0.107	g/l
U	2/28/85	NS	NS	R-3637	NS	NS	1.41	0.107	gm/l

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	TOC	8.04E+06	6.70E-01	AN107-8	N	Water washed value, not true centrate
P	Raw	TOC	8.04E+06	6.70E-01	AN107-8	N	Water washed value, not true centrate
P	RAW	U	1.72E+05	7.23E-04	AN107-3	Y	
L	Braun	U	1.72E+05	7.23E-04	NA	N	Braun data, not used
P	RAW	U	1.07E+05	4.50E-04	AN107-3	Y	
P	Braun	U	1.07E+05	4.50E-04	NA	N	Braun data, not used

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Al3+	NS	NS	NS	NS	NS	NS	NS	NS	1.24	6.65E-01	Mole/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	1.21E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	1.19E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	1.19E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	1.18E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	1.18E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	1.18E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	1.17E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	1.17E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	1.17E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	1.17E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	1.17E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	1.17E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	1.17E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	1.17E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	1.16E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.16E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	1.16E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	1.16E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	1.16E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.16E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	1.16E+07	ug/L
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	1.16E+07	ug/L

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
L	HTCE Inv.	Al	1.80E+13	6.65E+05	NA	N	No Reference
P	Raw	Al	1.21E+07	4.48E-01	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.19E+07	4.41E-01	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Al	1.19E+07	4.41E-01	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Al	1.18E+07	4.37E-01	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Al	1.18E+07	4.37E-01	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Al	1.18E+07	4.37E-01	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.17E+07	4.34E-01	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Al	1.17E+07	4.34E-01	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.17E+07	4.34E-01	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Al	1.17E+07	4.34E-01	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.17E+07	4.34E-01	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Al	1.17E+07	4.34E-01	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Al	1.17E+07	4.34E-01	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Al	1.17E+07	4.34E-01	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.16E+07	4.30E-01	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.16E+07	4.30E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Al	1.16E+07	4.30E-01	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Al	1.16E+07	4.30E-01	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.16E+07	4.30E-01	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.16E+07	4.30E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Al	1.16E+07	4.30E-01	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Al	1.16E+07	4.30E-01	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repo Un
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	1.15E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	1.15E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	1.15E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.15E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	1.15E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	1.15E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	1.14E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.14E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	1.14E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	1.14E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	1.14E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	1.14E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	1.14E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	1.13E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	1.13E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	1.12E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	1.11E+07	ug/l
Aluminum	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	1.11E+07	ug/l
Arsenic	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<2.50E+02	ug/L
Arsenic	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<2.50E+02	ug/L
Arsenic	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	<2.50E+02	ug/L

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Al	1.15E+07	4.26E-01	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Al	1.15E+07	4.26E-01	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.15E+07	4.26E-01	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Al	1.15E+07	4.26E-01	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.15E+07	4.26E-01	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.15E+07	4.26E-01	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Al	1.14E+07	4.23E-01	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Al	1.14E+07	4.23E-01	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.14E+07	4.23E-01	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.14E+07	4.23E-01	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.14E+07	4.23E-01	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.14E+07	4.23E-01	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Al	1.14E+07	4.23E-01	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.13E+07	4.19E-01	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.13E+07	4.19E-01	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.12E+07	4.15E-01	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.11E+07	4.11E-01	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Al	1.11E+07	4.11E-01	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	As	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	As	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	As	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Arsenic	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	<2.50E+02	ug/l
Arsenic	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	<2.50E+02	ug/l
Arsenic	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	<2.50E+02	ug/l
Arsenic	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	<2.50E+02	ug/l
Arsenic	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	<2.50E+02	ug/l
As	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	4.74E-02	ppm
Arsenic	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.02E+02	ug/l
Arsenic	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	7.59E+01	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<3.00E+03	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<3.00E+03	ug/l
Ba	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	4.74E-01	ppm
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	4.19E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	3.65E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	3.59E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	3.54E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	3.45E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	3.43E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	3.42E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	3.42E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	3.40E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	3.38E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	3.35E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	3.27E+02	ug/l
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	3.22E+02	ug/l

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	As	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	As	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	As	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	As	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	As	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
U	RAW	As	4.53E+07	6.05E-01	AP102-2	N	Projected value, not a real data point
P	Raw	As	1.02E+02	1.36E-06	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	As	7.59E+01	1.01E-06	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Ba	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Ba	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
U	RAW	Ba	4.53E+08	3.30E+00	AP102-2	N	Projected value, not a real data point
P	Raw	Ba	4.19E+02	3.05E-06	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Ba	3.65E+02	2.66E-06	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Ba	3.59E+02	2.61E-06	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Ba	3.54E+02	2.58E-06	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Ba	3.45E+02	2.51E-06	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Ba	3.43E+02	2.50E-06	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Ba	3.42E+02	2.49E-06	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	3.42E+02	2.49E-06	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	3.40E+02	2.48E-06	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Ba	3.38E+02	2.46E-06	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Ba	3.35E+02	2.44E-06	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Ba	3.27E+02	2.38E-06	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Ba	3.22E+02	2.34E-06	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repc Ur
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	3.14E+02	ug
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	3.09E+02	ug
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	3.00E+02	ug
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	2.89E+02	ug
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	2.88E+02	ug/
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	2.86E+02	ug/
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	2.84E+02	ug/
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	2.83E+02	ug/
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	2.73E+02	ug/
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	2.68E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	2.60E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	2.58E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	2.52E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	2.52E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	2.48E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	2.48E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	2.48E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	2.37E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	2.11E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	2.07E+02	ug/L
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	1.70E+02	ug/L

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Ba	3.14E+02	2.29E-06	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	3.09E+02	2.25E-06	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	3.00E+02	2.18E-06	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.89E+02	2.10E-06	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.88E+02	2.10E-06	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Ba	2.86E+02	2.08E-06	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.84E+02	2.07E-06	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.83E+02	2.06E-06	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Ba	2.73E+02	1.99E-06	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.68E+02	1.95E-06	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.60E+02	1.89E-06	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.58E+02	1.88E-06	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.52E+02	1.84E-06	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.52E+02	1.84E-06	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.48E+02	1.81E-06	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.48E+02	1.81E-06	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.48E+02	1.81E-06	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Ba	2.37E+02	1.73E-06	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	2.11E+02	1.54E-06	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Ba	2.07E+02	1.51E-06	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	1.70E+02	1.24E-06	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Rept Unit
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.70E+02	ug
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.40E+02	ug
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	1.39E+02	ug
Barium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	9.02E+01	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<3.00E+03	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<3.00E+03	ug
Be	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	1.89E-02	ppm
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	1.68E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	1.63E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	1.63E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	1.61E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	1.59E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	1.58E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	1.58E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	1.58E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	1.54E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	1.54E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.52E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	1.52E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	1.51E+02	ug/l
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	1.50E+02	ug/L
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	1.49E+02	ug/L
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	1.49E+02	ug/L
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	1.47E+02	ug/L

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Ba	1.70E+02	1.24E-06	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ba	1.40E+02	1.02E-06	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Ba	1.39E+02	1.01E-06	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Ba	9.02E+01	6.57E-07	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Be	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
U	RAW	Be	1.81E+07	2.01E+00	AP102-2	N	Projected value, not a real data point
P	Raw	Be	1.68E+02	1.86E-05	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Be	1.63E+02	1.81E-05	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Be	1.63E+02	1.81E-05	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.61E+02	1.79E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.59E+02	1.76E-05	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Be	1.58E+02	1.75E-05	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Be	1.58E+02	1.75E-05	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.58E+02	1.75E-05	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Be	1.54E+02	1.71E-05	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Be	1.54E+02	1.71E-05	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Be	1.52E+02	1.69E-05	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Be	1.52E+02	1.69E-05	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Be	1.51E+02	1.68E-05	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Be	1.50E+02	1.66E-05	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.49E+02	1.65E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.49E+02	1.65E-05	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.47E+02	1.63E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	1.47E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	1.47E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.46E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	1.46E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.46E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	1.45E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	1.45E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	1.45E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	1.43E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	1.43E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	1.43E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.40E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	1.40E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	1.39E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	1.36E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	1.35E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	1.32E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	1.29E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	1.27E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	1.27E+02	ug
Beryllium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	1.09E+02	ug

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Be	1.47E+02	1.63E-05	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.47E+02	1.63E-05	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.46E+02	1.62E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.46E+02	1.62E-05	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Be	1.46E+02	1.62E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.45E+02	1.61E-05	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.45E+02	1.61E-05	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.45E+02	1.61E-05	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Be	1.43E+02	1.59E-05	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.43E+02	1.59E-05	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.43E+02	1.59E-05	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.40E+02	1.55E-05	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Be	1.40E+02	1.55E-05	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.39E+02	1.54E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.36E+02	1.51E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.35E+02	1.50E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.32E+02	1.46E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.29E+02	1.43E-05	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Be	1.27E+02	1.41E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Be	1.27E+02	1.41E-05	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Be	1.09E+02	1.21E-05	AP102-3	Y	Density not reported for G449. No assumptions could be made

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Ca	4/28/84	NS	NS	NS	NS	R8469	NS	NS	NS	5.30E+00	UG/l
Ca	4/28/84	NS	NS	NS	NS	NS	NS	NS	NS	5.30E-03	g/l
Ca	4/28/84	NS	NS	NS	NS	R-8469	NS	NS	NS	5.30E+00	ugm
Ca	2/10/89	NS	NS	NS	NS	NS	NS	NS	1.01	9.00E-01	ppr
Ca	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	8.53E-01	ppr
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2T9	G327	G470*	1.19	<6.00E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2T9	G327	G470*	1.19	<6.00E+03	ug/l
Cd	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	1.89E-01	ppr
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N0	G307	G453	NA	1.79E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N1	G310	G454	(1.19)	1.78E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M5	G315	G364	1.19	1.65E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2L9	G305	G349	1.20	1.54E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2L9	G305	G349	1.20	1.54E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M9	G302	G450	(1.20)	1.53E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M4	G313	G363	1.20	1.52E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M6	G318	G459	1.20	1.52E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2T9	G327	G443	1.20	1.52E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N0	G307	G453	NA	1.51E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N2	G317	G333	NA	1.50E+03	ug/L
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N3	G322	G338	NA	1.50E+03	ug/L
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M7	G319	G460	1.20	1.50E+03	ug/L
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N3	G322	G338	NA	1.50E+03	ug/L
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M5	G315	G364	1.19	1.48E+03	ug/L
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M2	G309	G358	1.20	1.48E+03	ug/L
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N4	G323	G341	1.20	1.47E+03	ug/L
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2T9	G327	G443	1.20	1.47E+03	ug/L
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N4	G323	G341	1.20	1.47E+03	ug/L

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	RAW	Ca	5.30E+09	1.32E+02	AP102-1	N	Outdated Information
P	Wastren	Ca	5.30E+09	1.32E+02	NS	N	No Reference
P	Braun	Ca	5.30E+09	1.32E+02	NS	N	No Reference
U	RAW	Ca	9.09E+08	2.27E+01	AP102-2	N	Projected value, not a real data point
U	RAW	Ca	8.16E+08	2.04E+01	AP102-2	N	Projected value, not a real data point
P	Raw	Cd	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Cd	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
U	RAW	Cd	1.81E+08	1.61E+00	AP102-2	N	Projected value, not a real data point
P	Raw	Cd	1.79E+03	1.59E-05	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Cd	1.78E+03	1.58E-05	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was kept heated to 40° C.
P	Raw	Cd	1.65E+03	1.47E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.54E+03	1.37E-05	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.54E+03	1.37E-05	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.53E+03	1.36E-05	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was kept heated to 40° C.
P	Raw	Cd	1.52E+03	1.35E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.52E+03	1.35E-05	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.52E+03	1.35E-05	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Cd	1.51E+03	1.34E-05	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Cd	1.50E+03	1.33E-05	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Cd	1.50E+03	1.33E-05	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Cd	1.50E+03	1.33E-05	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.50E+03	1.33E-05	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Cd	1.48E+03	1.32E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.48E+03	1.32E-05	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.47E+03	1.31E-05	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Cd	1.47E+03	1.31E-05	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Cd	1.47E+03	1.31E-05	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	1.47E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	1.47E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	1.46E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.46E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	1.45E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	1.45E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.44E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	1.43E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	1.42E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	1.41E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	1.40E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	1.39E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	1.36E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	1.36E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	1.34E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	1.33E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	1.32E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	1.31E+03	ug/l
Cadmium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	1.30E+03	ug/l
Cl	4/28/84	NS	NS	NS	NS	R8469	NS	NS	NS	<4.38E-04	M
Cl-	NS	NS	NS	NS	NS	NS	NS	NS	1.24	9.13E-02	Mole/
Cl	4/28/84	NS	NS	NS	NS	R-8469	NS	NS	NS	4.38E-04	moles
Cl-	4/28/84	NS	NS	NS	NS	NS	NS	NS	NS	1.55E-02	g/L

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Cd	1.47E+03	1.31E-05	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.47E+03	1.31E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.46E+03	1.30E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.46E+03	1.30E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.45E+03	1.29E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.45E+03	1.29E-05	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.44E+03	1.28E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.43E+03	1.27E-05	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Cd	1.42E+03	1.26E-05	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.41E+03	1.25E-05	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Cd	1.40E+03	1.25E-05	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Cd	1.39E+03	1.24E-05	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Cd	1.36E+03	1.21E-05	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.36E+03	1.21E-05	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.34E+03	1.19E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.33E+03	1.18E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.32E+03	1.17E-05	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Cd	1.31E+03	1.17E-05	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cd	1.30E+03	1.16E-05	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
L	Raw	Cl	#VALUE!	#VALUE!	AP102-1	N	Outdated Information
L	HTCE Inv.	Cl	3.24E+12	9.13E+04	NA	N	No Reference
P	Braun	Cl	1.55E+10	4.38E+02	NS	N	No Reference
P	Wastren	Cl	1.55E+10	4.37E+02	NS	N	No Reference

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repr Unit
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	4.56E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	4.36E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	3.63E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	3.57E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	3.15E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	3.12E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	3.08E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	3.05E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	3.02E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	3.02E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	3.00E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	2.99E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	2.99E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	2.97E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	2.96E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	2.96E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	2.94E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	2.94E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	2.94E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	2.93E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	2.92E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	2.92E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	2.91E+03	ug/l

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Cl	4.56E+06	1.29E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Cl	4.36E+06	1.23E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Cl	3.63E+06	1.02E-01	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	3.57E+06	1.01E-01	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	3.15E+06	8.89E-02	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Cl	3.12E+06	8.80E-02	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Cl	3.08E+06	8.69E-02	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Cl	3.05E+06	8.60E-02	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Cl	3.02E+06	8.52E-02	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Cl	3.02E+06	8.52E-02	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Cl	3.00E+06	8.46E-02	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Cl	2.99E+06	8.43E-02	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Cl	2.99E+06	8.43E-02	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Cl	2.97E+06	8.38E-02	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Cl	2.96E+06	8.35E-02	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Cl	2.96E+06	8.35E-02	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	Cl	2.94E+06	8.29E-02	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.94E+06	8.29E-02	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Cl	2.94E+06	8.29E-02	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.93E+06	8.27E-02	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Cl	2.92E+06	8.24E-02	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.92E+06	8.24E-02	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	Cl	2.91E+06	8.21E-02	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repo Un
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	2.90E+03	ug/r
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	2.90E+03	ug/r
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	2.90E+03	ug/n
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	2.89E+03	ug/n
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	2.88E+03	ug/n
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	2.87E+03	ug/n
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	2.85E+03	ug/n
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G522*	(1.20)	2.85E+03	ug/n
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	2.84E+03	ug/n
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	2.84E+03	ug/n
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	2.83E+03	ug/n
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	2.83E+03	ug/m
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	2.83E+03	ug/m
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	2.83E+03	ug/m
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	2.82E+03	ug/m
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	2.82E+03	ug/m
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G517*	(1.20)	2.82E+03	ug/m
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	2.82E+03	ug/m
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G515*	(1.20)	2.81E+03	ug/m
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	2.81E+03	ug/m
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G522*	(1.20)	2.81E+03	ug/ml

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Cl	2.90E+06	8.18E-02	AP102-3	Y	Density not reported for G454. Density assumed same as G571 which was collected at 208 in from bottom of tank at a 150° angle and was kept heated to 40° C.
P	Raw	Cl	2.90E+06	8.18E-02	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Cl	2.90E+06	8.18E-02	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	Cl	2.89E+06	8.15E-02	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.88E+06	8.12E-02	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.87E+06	8.10E-02	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.85E+06	8.04E-02	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.85E+06	8.04E-02	AP102-3	Y	Density not reported for G522. Density assumed same as G353 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	Cl	2.84E+06	8.01E-02	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.84E+06	8.01E-02	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	Cl	2.83E+06	7.98E-02	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Cl	2.83E+06	7.98E-02	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.83E+06	7.98E-02	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.83E+06	7.98E-02	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.82E+06	7.95E-02	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.82E+06	7.95E-02	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was kept heated to 40° C.
P	Raw	Cl	2.82E+06	7.95E-02	AP102-3	Y	Density not reported for G517. Density assumed same as G459 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	Cl	2.82E+06	7.95E-02	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	Cl	2.81E+06	7.93E-02	AP102-3	Y	Density not reported for G515. Density assumed same as G358 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	Cl	2.81E+06	7.93E-02	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	Cl	2.81E+06	7.93E-02	AP102-3	Y	Density not reported for G522. Density assumed same as G353 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G521*	(1.20)	2.81E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	2.80E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	2.80E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G533*	(1.20)	2.80E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	2.78E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	2.78E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G517*	(1.20)	2.78E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G521*	(1.20)	2.78E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	2.78E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	2.76E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	2.75E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	2.74E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	2.74E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G511*	(1.20)	2.74E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	2.73E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G509*	(1.20)	2.73E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G510*	1.21	2.73E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G534*	(1.19)	2.73E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	2.72E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G509*	(1.20)	2.71E+03	ug/l

Waste Characterization Database
Tank 241-AP-102

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Cl	2.81E+06	7.93E-02	AP102-3	Y	Density not reported for G521. Density assumed same as G352 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	Cl	2.80E+06	7.90E-02	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.80E+06	7.90E-02	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.80E+06	7.90E-02	AP102-3	Y	Density not reported for G533. Density assumed same as G363 which was collected at 18 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	Cl	2.78E+06	7.84E-02	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Cl	2.78E+06	7.84E-02	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	Cl	2.78E+06	7.84E-02	AP102-3	Y	Density not reported for G517. Density assumed same as G459 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	Cl	2.78E+06	7.84E-02	AP102-3	Y	Density not reported for G521. Density assumed same as G352 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	Cl	2.78E+06	7.84E-02	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.76E+06	7.79E-02	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Cl	2.75E+06	7.76E-02	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.74E+06	7.73E-02	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.74E+06	7.73E-02	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.74E+06	7.73E-02	AP102-3	Y	Density not reported for G511. Density assumed same as G349 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	Cl	2.73E+06	7.70E-02	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cl	2.73E+06	7.70E-02	AP102-3	Y	Density not reported for G509. Density assumed same as G342 which was collected at 306 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	Cl	2.73E+06	7.70E-02	AP102-3	Y	Density not reported for G510. Density assumed same as G348 which was collected at 125 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	Cl	2.73E+06	7.70E-02	AP102-3	Y	Density not reported for G534. Density assumed same as G364 which was collected at 372 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	Cl	2.72E+06	7.67E-02	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Cl	2.71E+06	7.64E-02	AP102-3	Y	Density not reported for G509. Density assumed same as G342 which was collected at 306 in from bottom of tank at a 30° angle. This sample was heated.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Ref L
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G533*	(1.20)	2.70E+03	ug
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G511*	(1.20)	2.69E+03	ug
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G536*	(1.20)	2.69E+03	ug
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G534*	(1.19)	2.68E+03	ug
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	2.68E+03	ug
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	2.67E+03	ug
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G536*	(1.20)	2.67E+03	ug
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G529*	NA	2.66E+03	ug/
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G523*	NA	2.66E+03	ug/
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G515*	(1.20)	2.65E+03	ug/
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	2.63E+03	ug/
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G523*	NA	2.61E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G529*	NA	2.58E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G528*	NA	2.55E+03	ug/l
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G510*	1.21	2.54E+03	ug/r
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G528*	NA	2.42E+03	ug/r
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	2.39E+03	ug/r
Chloride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	2.36E+03	ug/n
Cyanide	4/1/93	NS	NS	NS	NS	B0B2T9	G327	NS	1.19	2.46E+01	ug/n
Cyanide	4/1/93	NS	NS	NS	NS	B0B2T9	G327	NS	1.2	2.46E+01	ug/n
Cyanide	4/1/93	NS	NS	NS	NS	B0B2T9	G327	NS	1.2	2.46E+01	ug/n
Cyanide	4/1/93	NS	NS	NS	NS	B0B2N1	G310	NS	1.2	2.44E+01	ug/n
Cyanide	4/1/93	4/30/89	11/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	2.41E+01	ug/n
Cyanide	4/1/93	NS	NS	NS	NS	B0B2M9	G302	NS	1.2	2.32E+01	ug/n
Cyanide	4/1/93	NS	NS	NS	NS	B0B2T9	G327	NS	1.19	2.32E+01	ug/n
Cyanide	4/1/93	4/30/89	11/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	2.32E+01	ug/n
Cyanide	4/1/93	NS	NS	NS	NS	B0B2N1	G310	NS	1.2	2.30E+01	ug/n
Cyanide	4/1/93	NS	NS	NS	NS	B0B2M9	G302	NS	1.2	2.26E+01	ug/n
CN	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	2.46E+01	ug/n

Analyte Information								
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes	
P	Raw	Cl	2.70E+06	7.62E-02	AP102-3	Y	Density not reported for G533. Density assumed same as G363 which was collected at 18 in from bottom of tank at a 150° angle. This sample was heated.	
P	Raw	Cl	2.69E+06	7.59E-02	AP102-3	Y	Density not reported for G511. Density assumed same as G349 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.	
P	Raw	Cl	2.69E+06	7.59E-02	AP102-3	Y	Density not reported for G536. Density assumed same as G460 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.	
P	Raw	Cl	2.68E+06	7.56E-02	AP102-3	Y	Density not reported for G534. Density assumed same as G364 which was collected at 372 in from bottom of tank at a 270° angle. This sample was heated.	
P	Raw	Cl	2.68E+06	7.56E-02	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.	
P	Raw	Cl	2.67E+06	7.53E-02	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated	
P	Raw	Cl	2.67E+06	7.53E-02	AP102-3	Y	Density not reported for G536. Density assumed same as G460 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.	
P	Raw	Cl	2.66E+06	7.50E-02	AP102-3	Y	Density not reported for G529. No assumptions could be made	
P	Raw	Cl	2.66E+06	7.50E-02	AP102-3	Y	Density not reported for G523. No assumptions could be made	
P	Raw	Cl	2.65E+06	7.48E-02	AP102-3	Y	Density not reported for G515. Density assumed same as G358 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.	
P	Raw	Cl	2.63E+06	7.42E-02	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.	
P	Raw	Cl	2.61E+06	7.36E-02	AP102-3	Y	Density not reported for G523. No assumptions could be made	
P	Raw	Cl	2.58E+06	7.28E-02	AP102-3	Y	Density not reported for G529. No assumptions could be made	
P	Raw	Cl	2.55E+06	7.19E-02	AP102-3	Y	Density not reported for G528. No assumptions could be made	
P	Raw	Cl	2.54E+06	7.17E-02	AP102-3	Y	Density not reported for G510. Density assumed same as G348 which was collected at 125 in from bottom of tank at a 30° angle. This sample was heated.	
P	Raw	Cl	2.42E+06	6.83E-02	AP102-3	Y	Density not reported for G528. No assumptions could be made	
P	Raw	Cl	2.39E+06	6.74E-02	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.	
P	Raw	Cl	2.36E+06	6.66E-02	AP102-3	Y	Density not reported for G527. No assumptions could be made	
P	TCD	CN	2.46E+10	9.46E+02	NS	N	THIS POINT NOT NEEDED FOR DATA BASE	
P	TCD	CN	2.46E+10	9.46E+02	NS	N	THIS POINT NOT NEEDED FOR DATA BASE	
P	TCD	CN	2.46E+10	9.46E+02	NS	N	THIS POINT NOT NEEDED FOR DATA BASE	
P	TCD	CN	2.44E+10	9.38E+02	NS	N	THIS POINT NOT NEEDED FOR DATA BASE	
P	TCD	CN	2.41E+10	9.27E+02	AP102-44	N	THIS POINT NOT NEEDED FOR DATA BASE	
P	TCD	CN	2.32E+10	8.92E+02	NS	N	THIS POINT NOT NEEDED FOR DATA BASE	
P	TCD	CN	2.32E+10	8.92E+02	NS	N	THIS POINT NOT NEEDED FOR DATA BASE	
P	TCD	CN	2.32E+10	8.92E+02	AP102-44	N	THIS POINT NOT NEEDED FOR DATA BASE	
P	TCD	CN	2.30E+10	8.85E+02	NS	N	THIS POINT NOT NEEDED FOR DATA BASE	
P	TCD	CN	2.26E+10	8.69E+02	NS	N	THIS POINT NOT NEEDED FOR DATA BASE	
P	Raw	CN	2.46E+04	9.46E-04	AP102-3	Y	Density reported for G443 represents a composite sample	

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
CN	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	2.46E+01	ug/m
CN	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	2.44E+01	ug/m
CN	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	2.41E+01	ug/m
CN	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	2.34E+01	ug/m
CN	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	2.32E+01	ug/m
CN	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	2.32E+01	ug/m
CN	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	2.32E+01	ug/m
CN	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	2.30E+01	ug/ml
CN	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	2.26E+01	ug/ml
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	7.16E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	7.08E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	6.55E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	6.46E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	6.38E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	6.37E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	6.35E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	6.34E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	6.32E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	6.31E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	6.31E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	6.29E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	6.28E+05	ug/L

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	CN	2.46E+04	9.46E-04	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	CN	2.44E+04	9.38E-04	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	CN	2.41E+04	9.27E-04	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	CN	2.34E+04	9.00E-04	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	CN	2.32E+04	8.92E-04	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	CN	2.32E+04	8.92E-04	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	CN	2.32E+04	8.92E-04	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	CN	2.30E+04	8.85E-04	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	CN	2.26E+04	8.69E-04	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Cr	7.16E+05	1.38E-02	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Cr	7.08E+05	1.36E-02	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Cr	6.55E+05	1.26E-02	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.46E+05	1.24E-02	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.38E+05	1.23E-02	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Cr	6.37E+05	1.23E-02	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.35E+05	1.22E-02	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.34E+05	1.22E-02	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.32E+05	1.22E-02	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Cr	6.31E+05	1.21E-02	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.31E+05	1.21E-02	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Cr	6.29E+05	1.21E-02	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Cr	6.28E+05	1.21E-02	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	6.27E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	6.25E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	6.24E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	6.22E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	6.22E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	6.22E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	6.21E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	6.19E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	6.19E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	6.18E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	6.16E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	6.16E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	6.15E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	6.14E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	6.12E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	6.11E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	6.09E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	6.08E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	6.07E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	6.05E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	6.04E+05	ug/L

		Analyte Information			Reference Number	Validated (Y/N)	Notes
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)			
P	Raw	Cr	6.27E+05	1.21E-02	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.25E+05	1.20E-02	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Cr	6.24E+05	1.20E-02	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.22E+05	1.20E-02	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Cr	6.22E+05	1.20E-02	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Cr	6.22E+05	1.20E-02	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.21E+05	1.19E-02	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Cr	6.19E+05	1.19E-02	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Cr	6.19E+05	1.19E-02	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.18E+05	1.19E-02	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Cr	6.16E+05	1.18E-02	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Cr	6.16E+05	1.18E-02	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.15E+05	1.18E-02	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Cr	6.14E+05	1.18E-02	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.12E+05	1.18E-02	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Cr	6.11E+05	1.18E-02	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.09E+05	1.17E-02	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.08E+05	1.17E-02	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.07E+05	1.17E-02	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Cr	6.05E+05	1.16E-02	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.04E+05	1.16E-02	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M6	G318	G459	1.20	6.04E+05	ug/l
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M2	G309	G358	1.20	6.03E+05	ug/l
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M5	G315	G364	1.19	6.02E+05	ug/l
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M8	G301	G449	NA	6.01E+05	ug/l
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M9	G302	G450	(1.20)	5.97E+05	ug/L
Chromium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M3	G311	G359	1.20	5.91E+05	ug/L
Cr	4/28/84	NS	NS	NS	NS	R-8469	NS	NS	NS	1.70E+00	ugm/r
Chromium	4/1/93	NS	NS	NS	NS	BOB2T9	G327	NS	1.19	7.16E+05	UG/L
Chromium	4/1/93	NS	NS	NS	NS	BOB2T9	G327	NS	1.19	7.08E+05	UG/L
Cr	2/10/89	NS	NS	NS	NS	NS	NS	NS	1.01	1.70E+00	ppm
Cr	4/28/84	NS	NS	NS	NS	R8469	NS	NS	NS	1.70E+00	UG/M
Cr	4/28/84	NS	NS	NS	NS	NS	NS	NS	NS	1.70E-03	g/L
Cr	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	1.61E+00	ppm
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N2	G317	G333	NA	<2.09E+02	ug/ml
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N2	G317	G333	NA	<2.09E+02	ug/ml
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N3	G322	G338	NA	<1.68E+02	ug/ml
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N4	G323	G341	1.20	<1.68E+02	ug/ml
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2L7	G299	G342	1.20	<1.68E+02	ug/ml
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2L8	G303	G348	1.21	<1.68E+02	ug/mL
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2L9	G305	G349	1.20	<1.68E+02	ug/mL
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M0	G306	G352	1.20	<1.68E+02	ug/ml
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M1	G308	G353	1.20	<1.68E+02	ug/ml
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M2	G309	G358	1.20	<1.68E+02	ug/mL
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M3	G311	G359	1.20	<1.68E+02	ug/mL
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M4	G313	G363	1.20	<1.68E+02	ug/mL
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M5	G315	G364	1.19	<1.68E+02	ug/mL

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Cr	6.04E+05	1.16E-02	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.03E+05	1.16E-02	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.02E+05	1.16E-02	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Cr	6.01E+05	1.16E-02	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Cr	5.97E+05	1.15E-02	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Cr	5.91E+05	1.14E-02	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Braun	Cr+3	1.70E+09	3.27E+01	NS	N	No Reference
P	TCD	Cr+6	7.16E+11	1.38E+04	NS	N	THIS POINT NOT GIVEN IN REPORT WHC-SD-WM-TRP-169
P	TCD	Cr+6	7.08E+11	1.36E+04	NS	N	THIS POINT NOT GIVEN IN REPORT WHC-SD-WM-TRP-169
U	RAW	Cr+6	1.72E+09	3.31E+01	AP102-2	N	Projected value, not a real data point
P	RAW	Cr+6	1.70E+09	3.27E+01	AP102-1	N	Outdated Information
P	Wastren	Cr+6	1.70E+09	3.27E+01	NS	N	No Reference
U	RAW	Cr+6	1.54E+09	2.96E+01	AP102-2	N	Projected value, not a real data point
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	<1.68E+02	ug/l
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	<1.68E+02	ug/l

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	<1.68E+02	ug/n
Fluoride	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327		NA	<1.32E+01	ug/n
F	4/28/84	NS	NS	NS	NS	R8469	NS	NS	NS	<6.64E-04	M
F-	NS	NS	NS	NS	NS	NS	NS	NS	1.24	4.71E-02	Mole
F	4/28/84	NS	NS	NS	NS	R-8469	NS	NS	NS	6.64E-04	mole
F-	4/28/84	NS	NS	NS	NS	NS	NS	NS	NS	1.26E-02	g/L
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<1.50E+04	ug/L
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<1.50E+04	ug/L
Fe3+ (total Fe)	NS	NS	NS	NS	NS	NS	NS	NS	1.24	2.83E-03	Mole
Fe	4/28/84	NS	NS	NS	NS	R8469	NS	NS	NS	1.90E+00	ug/m
Fe	4/28/84	NS	NS	NS	NS	NS	NS	NS	NS	1.90E-03	g/L
Fe	4/28/84	NS	NS	NS	NS	R-8469	NS	NS	NS	1.90E+00	ugm/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	1.05E+04	ug/L
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	7.16E+03	ug/L
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	6.44E+03	ug/L
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	6.16E+03	ug/L

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	F	#VALUE!	#VALUE!	AP102-3	Y	An aliquot from the composite sample was shipped to the PUREX analytical laboratory for analysis of F- using the ion specific electrode analytical method
L	Raw	F	#VALUE!	#VALUE!	AP102-1	N	Outdated Information
L	HTCE Inv.	F	8.95E+11	4.71E+04	NA	N	No Reference
P	Braun	F	1.26E+10	6.64E+02		N	No Reference
P	Wastren	F	1.26E+10	6.63E+02	NS	N	No Reference
P	Raw	Fe	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Fe	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
L	HTCE Inv.	Fe	1.58E+11	2.83E+03	NA	N	No Reference
L	Raw	Fe	1.90E+09	3.40E+01	AP102-1	N	Outdated Information
P	Wastren	Fe	1.90E+09	3.40E+01	NS	N	No Reference
P	Braun	Fe	1.90E+09	3.40E+01		N	No Reference
P	Raw	Fe	1.05E+04	1.88E-04	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	7.16E+03	1.28E-04	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Fe	6.44E+03	1.15E-04	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Fe	6.16E+03	1.10E-04	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repo Un
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	6.01E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	4.78E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	4.65E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	4.38E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	4.16E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	4.14E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	3.99E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	3.93E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	3.87E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	3.87E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	3.78E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	3.65E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	3.49E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	3.45E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	3.41E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	3.37E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	3.36E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	3.36E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	3.31E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	3.19E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	3.14E+03	ug/l

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Fe	6.01E+03	1.08E-04	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	4.78E+03	8.56E-05	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Fe	4.65E+03	8.33E-05	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Fe	4.38E+03	7.84E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	4.16E+03	7.45E-05	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	4.14E+03	7.41E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	3.99E+03	7.14E-05	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	3.93E+03	7.04E-05	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Fe	3.87E+03	6.93E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	3.87E+03	6.93E-05	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Fe	3.78E+03	6.77E-05	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	3.65E+03	6.54E-05	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Fe	3.49E+03	6.25E-05	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Fe	3.45E+03	6.18E-05	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Fe	3.41E+03	6.11E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	3.37E+03	6.03E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	3.36E+03	6.02E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	3.36E+03	6.02E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	3.31E+03	5.93E-05	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	3.19E+03	5.71E-05	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Fe	3.14E+03	5.62E-05	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repo Un
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M0	G306	G352	1.20	3.11E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N4	G323	G341	1.20	3.09E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M9	G302	G450	(1.20)	3.06E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N3	G322	G338	NA	3.04E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2L9	G305	G349	1.20	2.98E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2L9	G305	G349	1.20	2.97E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M3	G311	G359	1.20	2.92E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M6	G318	G459	1.20	2.90E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M4	G313	G363	1.20	2.89E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M0	G306	G352	1.20	2.79E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N2	G317	G333	NA	2.63E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M8	G301	G449	NA	2.60E+03	ug/l
Iron	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M2	G309	G358	1.20	2.51E+03	ug/l
Mercury	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M9	G302	G477*	1.20	<1.00E+01	ug/l
Mercury	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2M9	G302	G477*	1.20	<1.00E+01	ug/l
Mercury	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N1	G310	G471*	1.19	<1.00E+01	ug/l
Mercury	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N1	G310	G471*	1.19	<1.00E+01	ug/l
Mercury	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N4	G323	G476*	1.21	<1.00E+01	ug/l
Mercury	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2N4	G323	G476*	1.21	<1.00E+01	ug/l
Mercury	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2T9	G327	G443	1.20	<5.00E+00	ug/l
Mercury	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	BOB2T9	G327	G443	1.20	<5.00E+00	ug/l

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Fe	3.11E+03	5.57E-05	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	3.09E+03	5.53E-05	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Fe	3.06E+03	5.48E-05	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Fe	3.04E+03	5.44E-05	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Fe	2.98E+03	5.34E-05	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	2.97E+03	5.32E-05	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	2.92E+03	5.23E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	2.90E+03	5.19E-05	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	2.89E+03	5.17E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	2.79E+03	5.00E-05	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Fe	2.63E+03	4.71E-05	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Fe	2.60E+03	4.66E-05	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Fe	2.51E+03	4.49E-05	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Hg	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Hg	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Hg	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Hg	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Hg	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	Hg	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	Hg	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Hg	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Mercury	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<5.00E+00	ug/L
Mercury	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<5.00E+00	ug/L
Hg	2/10/89	NS	NS	NS	NS	NS	NS	NS	1.01	4.00E-04	ppm
Hg	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	3.79E-04	ppm
Potassium	4/1/93	NS	NS	NS	NS	B0B2T9	G327	NS	NS	1.40E+06	UG/L
Potassium	4/1/93	NS	NS	NS	NS	B0B2T9	G327	NS	NS	1.37E+06	UG/L
K+	NS	NS	NS	NS	NS	NS	NS	NS	1.24	1.43E-02	Mole/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	1.40E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	1.37E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	1.35E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	1.35E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	1.34E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	1.34E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	1.33E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	1.33E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	1.33E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	1.33E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.33E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	1.32E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	1.32E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	1.32E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.31E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	1.31E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	1.31E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.31E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	1.31E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	1.30E+06	ug/L

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Hg	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Hg	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
U	RAW	Hg	4.04E+05	2.01E-03	AP102-2	N	Projected value, not a real data point
U	RAW	Hg	3.63E+05	1.81E-03	AP102-2	N	Projected value, not a real data point
P	TCD	K	1.40E+12	3.58E+04		N	THIS POINT NOT GIVEN IN REPORT WHC-SD-WM-TRP-169
P	TCD	K	1.37E+12	3.50E+04		N	THIS POINT NOT GIVEN IN REPORT WHC-SD-WM-TRP-169
L	HTCE Inv.	K	5.60E+11	1.43E+04	NA	N	No Reference
P	Raw	K	1.40E+06	3.58E-02	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	K	1.37E+06	3.50E-02	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	K	1.35E+06	3.45E-02	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	K	1.35E+06	3.45E-02	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.34E+06	3.43E-02	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.34E+06	3.43E-02	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.33E+06	3.40E-02	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	K	1.33E+06	3.40E-02	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	K	1.33E+06	3.40E-02	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	K	1.33E+06	3.40E-02	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	K	1.33E+06	3.40E-02	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	K	1.32E+06	3.38E-02	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	K	1.32E+06	3.38E-02	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	K	1.32E+06	3.38E-02	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	K	1.31E+06	3.35E-02	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	K	1.31E+06	3.35E-02	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	K	1.31E+06	3.35E-02	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	K	1.31E+06	3.35E-02	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.31E+06	3.35E-02	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.30E+06	3.32E-02	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	1.30E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	1.30E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.29E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	1.29E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	1.29E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	1.29E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	1.28E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	1.28E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	1.27E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	1.27E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	1.26E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	1.26E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	1.26E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	1.25E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	1.25E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	1.23E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	1.22E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	1.21E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	1.20E+06	ug/L
Potassium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	1.19E+06	ug/L
Na	4/28/84	NS	NS	NS	NS	R8469	NS	NS	NS	1.25E+04	UG/ML

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	K	1.30E+06	3.32E-02	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.30E+06	3.32E-02	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	K	1.29E+06	3.30E-02	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.29E+06	3.30E-02	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.29E+06	3.30E-02	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.29E+06	3.30E-02	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	K	1.28E+06	3.27E-02	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.28E+06	3.27E-02	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	K	1.27E+06	3.25E-02	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.27E+06	3.25E-02	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	K	1.26E+06	3.22E-02	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.26E+06	3.22E-02	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.26E+06	3.22E-02	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.25E+06	3.20E-02	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.25E+06	3.20E-02	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.23E+06	3.15E-02	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.22E+06	3.12E-02	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.21E+06	3.09E-02	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.20E+06	3.07E-02	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	K	1.19E+06	3.04E-02	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	RAW	Na	1.25E+13	5.43E+05	AP102-1	N	Outdated Information

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Na	4/28/84	NS	NS	NS	NS	NS	NS	NS	NS	1.25E+01	g/l
Na	4/28/84	NS	NS	NS	NS	R-8469	NS	NS	NS	1.25E+04	ugm
Na	2/10/89	NS	NS	NS	NS	NS	NS	NS	1.01	1.16E+04	ppr
Na	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	1.14E+04	ppr
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	1.06E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	1.06E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	1.05E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	1.05E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	1.04E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	1.04E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	1.03E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	1.03E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	1.03E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	1.03E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	1.03E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	1.03E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	1.03E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	1.02E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	1.02E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.02E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	1.02E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	1.02E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.02E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	1.02E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	1.02E+08	ug/l

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Wastren	Na	1.25E+13	5.43E+05	NS	N	No Reference
P	Braun	Na	1.25E+13	5.43E+05		N	No Reference
U	RAW	Na	1.17E+13	5.09E+05	AP102-2	N	Projected value, not a real data point
U	RAW	Na	1.09E+13	4.74E+05	AP102-2	N	Projected value, not a real data point
P	Raw	Na	1.06E+08	4.61E+00	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.06E+08	4.61E+00	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Na	1.05E+08	4.57E+00	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Na	1.05E+08	4.57E+00	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Na	1.04E+08	4.52E+00	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Na	1.04E+08	4.52E+00	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Na	1.03E+08	4.48E+00	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Na	1.03E+08	4.48E+00	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Na	1.03E+08	4.48E+00	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Na	1.03E+08	4.48E+00	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.03E+08	4.48E+00	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.03E+08	4.48E+00	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.03E+08	4.48E+00	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Na	1.02E+08	4.43E+00	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.02E+08	4.43E+00	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.02E+08	4.43E+00	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Na	1.02E+08	4.43E+00	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.02E+08	4.43E+00	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.02E+08	4.43E+00	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Na	1.02E+08	4.43E+00	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Na	1.02E+08	4.43E+00	AP102-3	Y	Density not reported for G453. No assumptions could be made

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	1.02E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	1.02E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	1.01E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	1.01E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	1.01E+08	ug/l
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	1.01E+08	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	1.01E+08	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	1.01E+08	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	1.00E+08	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.00E+08	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	1.00E+08	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	1.00E+08	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	1.00E+08	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	1.00E+08	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	9.99E+07	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	9.97E+07	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	9.91E+07	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	9.88E+07	ug/L
Sodium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	9.80E+07	ug/L
OH-	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	1.06E-01	M
OH-	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	9.06E-02	M
OH-	2/10/89	NS	NS	NS	NS	NS	NS	NS	1.01	5.13E-03	M
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	<1.60E+02	ug/ml
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	<4.00E+01	ug/ml

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Na	1.02E+08	4.43E+00	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.02E+08	4.43E+00	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.01E+08	4.39E+00	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Na	1.01E+08	4.39E+00	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.01E+08	4.39E+00	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.01E+08	4.39E+00	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Na	1.01E+08	4.39E+00	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Na	1.01E+08	4.39E+00	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.00E+08	4.35E+00	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Na	1.00E+08	4.35E+00	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.00E+08	4.35E+00	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.00E+08	4.35E+00	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.00E+08	4.35E+00	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	1.00E+08	4.35E+00	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	9.99E+07	4.34E+00	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	9.97E+07	4.33E+00	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Na	9.91E+07	4.31E+00	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	9.88E+07	4.30E+00	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Na	9.80E+07	4.26E+00	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
U	RAW	NaOH	4.22E+12	1.06E+05	AP102-2	N	Projected value, not a real data point
U	RAW	NaOH	3.62E+12	9.05E+04	AP102-2	N	Projected value, not a real data point
U	RAW	NaOH	2.05E+11	5.13E+03	AP102-2	N	Projected value, not a real data point
P	Raw	NH3	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	NH3	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	<4.00E+01	ug/c
NH3	2/10/89	NS	NS	NS	NS	NS	NS	NS	1.01	3.77E-01	M
NH3	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	3.57E-01	M
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	4.13E+02	ug/r
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	4.10E+02	ug/n
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	3.08E+02	ug/r
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	3.02E+02	ug/n
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	2.72E+02	ug/r
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	2.72E+02	ug/r
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	2.65E+02	ug/r
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	2.58E+02	ug/m
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	2.01E+02	ug/m
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	2.01E+02	ug/m
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	1.95E+02	ug/m
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	1.92E+02	ug/m
Ammonia	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.64E+02	ug/ml
Ni2+	NS	NS	NS	NS	NS	NS	NS	NS	1.24	2.47E-03	Mole/
Nickel	4/1/93	NS	NS	NS	NS	B0B2T9	G327	NS	NS	3.45E+04	UG/L
Nickel	4/1/93	NS	NS	NS	NS	B0B2T9	G327	NS	NS	2.78E+04	UG/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	3.45E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	2.82E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	2.78E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	2.77E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	2.75E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	2.75E+04	ug/L

Waste Characterization Database
Tank 241-AP-102

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	NH3	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
U	RAW	NH3	6.41E+12	3.77E+05	AP102-2	N	Projected value, not a real data point
U	RAW	NH3	6.07E+12	3.57E+05	AP102-2	N	Projected value, not a real data point
P	Raw	NH3	4.13E+05	2.43E-02	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	NH3	4.10E+05	2.41E-02	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	NH3	3.08E+05	1.81E-02	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	NH3	3.02E+05	1.78E-02	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	NH3	2.72E+05	1.60E-02	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	NH3	2.72E+05	1.60E-02	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	NH3	2.65E+05	1.56E-02	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	NH3	2.58E+05	1.52E-02	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	NH3	2.01E+05	1.18E-02	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	NH3	2.01E+05	1.18E-02	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	NH3	1.95E+05	1.15E-02	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	NH3	1.92E+05	1.13E-02	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	NH3	1.64E+05	9.65E-03	AP102-3	Y	Density reported for G443 represents a composite sample
L	HTCE Inv.	Ni	1.45E+11	2.47E+03	NA	N	No Reference
P	TCD	Ni	3.45E+10	5.88E+02		N	THIS POINT NOT GIVEN IN REPORT WHC-SD-WM-TRP-169
P	TCD	Ni	2.78E+10	4.74E+02		N	THIS POINT NOT GIVEN IN REPORT WHC-SD-WM-TRP-169
P	Raw	Ni	3.45E+04	5.88E-04	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Ni	2.82E+04	4.80E-04	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.78E+04	4.74E-04	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Ni	2.77E+04	4.72E-04	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.75E+04	4.69E-04	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.75E+04	4.69E-04	AP102-3	Y	Density reported for G443 represents a composite sample

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	2.74E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	2.74E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	2.73E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	2.73E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	2.71E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	2.71E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	2.70E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	2.69E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	2.69E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	2.68E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	2.68E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	2.68E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	2.67E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	2.67E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	2.67E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	2.66E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	2.66E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	2.66E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	2.66E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	2.64E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	2.64E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	2.63E+04	ug/L

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Ni	2.74E+04	4.67E-04	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.74E+04	4.67E-04	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Ni	2.73E+04	4.65E-04	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.73E+04	4.65E-04	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.71E+04	4.62E-04	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Ni	2.71E+04	4.62E-04	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Ni	2.70E+04	4.60E-04	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Ni	2.69E+04	4.58E-04	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.69E+04	4.58E-04	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Ni	2.68E+04	4.57E-04	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Ni	2.68E+04	4.57E-04	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Ni	2.68E+04	4.57E-04	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.67E+04	4.55E-04	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Ni	2.67E+04	4.55E-04	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Ni	2.67E+04	4.55E-04	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.66E+04	4.53E-04	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.66E+04	4.53E-04	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.66E+04	4.53E-04	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Ni	2.66E+04	4.53E-04	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.64E+04	4.50E-04	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Ni	2.64E+04	4.50E-04	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.63E+04	4.48E-04	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	2.63E+04	ug/l
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	2.63E+04	ug/l
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	2.62E+04	ug/l
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	2.61E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	2.60E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	2.60E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	2.59E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	2.58E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	2.58E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	2.58E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	2.56E+04	ug/L
Nickel	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	2.56E+04	ug/L
NO2-	NS	NS	NS	NS	NS	NS	NS	NS	1.24	1.22E+00	Mole/L
Nitrite	4/1/93	NS	NS	NS	NS	B0B2N0	G307	NS	NS	3.82E+04	ug/mL
Nitrite	4/1/93	NS	NS	NS	NS	B0B2N0	G307	NS	NS	3.74E+04	ug/mL
NO2-	4/28/84	NS	NS	NS	NS	NS	NS	NS	NS	8.05E-04	g/L
NO2	4/28/84	NS	NS	NS	NS	R-8469	NS	NS	NS	1.75E-05	moles/l
NO2	4/28/84	NS	NS	NS	NS	R8469	NS	NS	NS	1.74E-05	M
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	5.51E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	5.45E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	4.75E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	4.70E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	4.18E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	4.15E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	4.10E+04	ug/mL

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Ni	2.63E+04	4.48E-04	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.63E+04	4.48E-04	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.62E+04	4.46E-04	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Ni	2.61E+04	4.45E-04	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Ni	2.60E+04	4.43E-04	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.60E+04	4.43E-04	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.59E+04	4.41E-04	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.58E+04	4.40E-04	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.58E+04	4.40E-04	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.58E+04	4.40E-04	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Ni	2.56E+04	4.36E-04	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Ni	2.56E+04	4.36E-04	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
L	HTCE Inv.	NO2	5.61E+13	1.22E+06	NA	N	No Reference
P	TCD	NO2	3.82E+13	8.30E+05		N	THIS POINT NOT GIVEN IN REPORT WHC-SD-WM-TRP-168
P	TCD	NO2	3.74E+13	8.13E+05		N	THIS POINT NOT GIVEN IN REPORT WHC-SD-WM-TRP-169
P	Wastren	NO2	8.05E+08	1.75E+01	NS	N	No Reference
P	Braun	NO2	8.05E+08	1.75E+01		N	No Reference
L	Raw	NO2	8.00E+08	1.74E+01	AP102-1	N	Outdated Information
P	TCD	NO2	5.51E+07	1.20E+00	AP102-3	Y	Density reported for G443 represents a composite sample
P	TCD	NO2	5.45E+07	1.18E+00	AP102-3	Y	Density reported for G443 represents a composite sample
P	TCD	NO2	4.75E+07	1.03E+00	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	TCD	NO2	4.70E+07	1.02E+00	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	TCD	NO2	4.18E+07	9.09E-01	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	TCD	NO2	4.15E+07	9.02E-01	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	TCD	NO2	4.10E+07	8.91E-01	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	4.10E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	4.08E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	4.03E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	3.94E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	3.91E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	3.88E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	3.87E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	3.85E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	3.84E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	3.84E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	3.84E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	3.84E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	3.83E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	3.83E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	3.81E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	3.80E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	3.80E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	3.80E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	3.79E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	3.79E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	3.78E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	3.76E+04	ug/ml

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	AP102-3	NO2	4.10E+07	8.91E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	TCD	NO2	4.08E+07	8.87E-01	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	TCD	NO2	4.03E+07	8.76E-01	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	TCD	NO2	3.94E+07	8.57E-01	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	TCD	NO2	3.91E+07	8.50E-01	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	TCD	NO2	3.88E+07	8.43E-01	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	TCD	NO2	3.87E+07	8.41E-01	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	TCD	NO2	3.85E+07	8.37E-01	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	TCD	NO2	3.84E+07	8.35E-01	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	TCD	NO2	3.84E+07	8.35E-01	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	TCD	NO2	3.84E+07	8.35E-01	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	TCD	NO2	3.84E+07	8.35E-01	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	TCD	NO2	3.83E+07	8.33E-01	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	TCD	NO2	3.83E+07	8.33E-01	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	TCD	NO2	3.81E+07	8.28E-01	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	TCD	NO2	3.80E+07	8.26E-01	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	TCD	NO2	3.80E+07	8.26E-01	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	TCD	NO2	3.80E+07	8.26E-01	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	TCD	NO2	3.79E+07	8.24E-01	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	TCD	NO2	3.79E+07	8.24E-01	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	TCD	NO2	3.78E+07	8.22E-01	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	TCD	NO2	3.76E+07	8.17E-01	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	3.76E+04	ug/m
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	3.74E+04	ug/m
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	3.72E+04	ug/m
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	3.70E+04	ug/m
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L8	G303	G510*	1.21	3.70E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	3.70E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M2	G309	G515*	(1.20)	3.70E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	3.70E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M6	G318	G517*	(1.20)	3.70E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	3.70E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	3.70E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	3.69E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	3.69E+04	ug/ml
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	3.69E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	3.69E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M1	G308	G522*	(1.20)	3.67E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L7	G299	G509*	(1.20)	3.65E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	3.65E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	3.65E+04	ug/mL
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	3.65E+04	ug/mL

Analyte Information				

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M6	G318	G517*	(1.20)	3.65E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	3.64E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	3.64E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M1	G308	G522*	(1.20)	3.63E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	3.62E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	3.62E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	3.60E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M4	G313	G533*	(1.20)	3.60E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L9	G305	G511*	(1.20)	3.58E+04	ug/n
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M0	G306	G521*	(1.20)	3.58E+04	ug/n
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	3.58E+04	ug/n
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L7	G299	G509*	(1.20)	3.57E+04	ug/n
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	3.56E+04	ug/n
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M4	G313	G533*	(1.20)	3.55E+04	ug/n
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L9	G305	G511*	(1.20)	3.54E+04	ug/n
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M7	G319	G536*	(1.20)	3.53E+04	ug/m
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M5	G315	G534*	(1.19)	3.52E+04	ug/m
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	3.50E+04	ug/m
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M5	G315	G534*	(1.19)	3.50E+04	ug/m
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M2	G309	G515*	(1.20)	3.49E+04	ug/m

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	TCD	NO2	3.65E+07	7.93E-01	AP102-3	Y	Density not reported for G517. Density assumed same as G459 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	TCD	NO2	3.64E+07	7.91E-01	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	TCD	NO2	3.64E+07	7.91E-01	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	TCD	NO2	3.63E+07	7.89E-01	AP102-3	Y	Density not reported for G522. Density assumed same as G353 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	TCD	NO2	3.62E+07	7.87E-01	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	AP102-3	NO2	3.62E+07	7.87E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	TCD	NO2	3.60E+07	7.83E-01	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	TCD	NO2	3.60E+07	7.83E-01	AP102-3	Y	Density not reported for G533. Density assumed same as G363 which was collected at 18 in from bottom of tank at a 150° angle. This sample was heated.
P	TCD	NO2	3.58E+07	7.78E-01	AP102-3	Y	Density not reported for G511. Density assumed same as G349 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	TCD	NO2	3.58E+07	7.78E-01	AP102-3	Y	Density not reported for G521. Density assumed same as G352 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	TCD	NO2	3.58E+07	7.78E-01	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	TCD	NO2	3.57E+07	7.76E-01	AP102-3	Y	Density not reported for G509. Density assumed same as G342 which was collected at 306 in from bottom of tank at a 30° angle. This sample was heated.
P	AP102-3	NO2	3.56E+07	7.74E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	TCD	NO2	3.55E+07	7.72E-01	AP102-3	Y	Density not reported for G533. Density assumed same as G363 which was collected at 18 in from bottom of tank at a 150° angle. This sample was heated.
P	TCD	NO2	3.54E+07	7.70E-01	AP102-3	Y	Density not reported for G511. Density assumed same as G349 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	TCD	NO2	3.53E+07	7.67E-01	AP102-3	Y	Density not reported for G536. Density assumed same as G460 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	TCD	NO2	3.52E+07	7.65E-01	AP102-3	Y	Density not reported for G534. Density assumed same as G364 which was collected at 372 in from bottom of tank at a 270° angle. This sample was heated.
P	AP102-3	NO2	3.50E+07	7.61E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	TCD	NO2	3.50E+07	7.61E-01	AP102-3	Y	Density not reported for G534. Density assumed same as G364 which was collected at 372 in from bottom of tank at a 270° angle. This sample was heated.
P	TCD	NO2	3.49E+07	7.59E-01	AP102-3	Y	Density not reported for G515. Density assumed same as G358 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N3	G322	G529*	NA	3.49E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M7	G319	G536*	(1.20)	3.48E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M0	G306	G521*	(1.20)	3.43E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M8	G301	G523*	NA	3.42E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N2	G317	G528*	NA	3.41E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N3	G322	G529*	NA	3.40E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M8	G301	G523*	NA	3.38E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2L8	G303	G510*	1.21	3.26E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N2	G317	G528*	NA	3.15E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	3.13E+04	ug/l
Nitrite	6/1/90	4/89	12/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	3.09E+04	ug/l
NO3	4/28/84	NS	NS	NS	NS	R8469	NS	NS	NS	<1.99E-03	M
NO3-	NS	NS	NS	NS	NS	NS	NS	NS	1.24	1.81E+00	Mole
NO3	4/28/84	NS	NS	NS	NS	R-8469	NS	NS	NS	1.99E-03	mole
NO3-	4/28/84	NS	NS	NS	NS	NS	NS	NS	NS	1.23E-01	g/L
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	9.73E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	9.68E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	8.52E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	8.40E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	8.34E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	8.34E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	8.25E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	8.22E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	8.05E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	7.95E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	7.94E+04	ug/ml

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	TCD	NO2	3.49E+07	7.59E-01	AP102-3	Y	Density not reported for G529. No assumptions could be made
P	TCD	NO2	3.48E+07	7.57E-01	AP102-3	Y	Density not reported for G536. Density assumed same as G460 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	TCD	NO2	3.43E+07	7.46E-01	AP102-3	Y	Density not reported for G521. Density assumed same as G352 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	TCD	NO2	3.42E+07	7.43E-01	AP102-3	Y	Density not reported for G523. No assumptions could be made
P	TCD	NO2	3.41E+07	7.41E-01	AP102-3	Y	Density not reported for G528. No assumptions could be made
P	TCD	NO2	3.40E+07	7.39E-01	AP102-3	Y	Density not reported for G529. No assumptions could be made
P	TCD	NO2	3.38E+07	7.35E-01	AP102-3	Y	Density not reported for G523. No assumptions could be made
P	TCD	NO2	3.26E+07	7.09E-01	AP102-3	Y	Density not reported for G510. Density assumed same as G348 which was collected at 125 in from bottom of tank at a 30° angle. This sample was heated.
P	TCD	NO2	3.15E+07	6.85E-01	AP102-3	Y	Density not reported for G528. No assumptions could be made
P	TCD	NO2	3.13E+07	6.80E-01	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	TCD	NO2	3.09E+07	6.72E-01	AP102-3	Y	Density not reported for G527. No assumptions could be made
L	Raw	NO3	#VALUE!	#VALUE!	AP102-1	N	Outdated Information
L	HTCE Inv.	NO3	1.12E+14	1.81E+06	NA	N	No Reference
P	Braun	NO3	1.23E+11	1.99E+03		N	No Reference
P	Wastren	NO3	1.23E+11	1.98E+03	NS	N	No Reference
P	Raw	NO3	9.73E+07	1.57E+00	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	9.68E+07	1.56E+00	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	8.52E+07	1.37E+00	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	NO3	8.40E+07	1.35E+00	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	NO3	8.34E+07	1.35E+00	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	NO3	8.34E+07	1.35E+00	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	NO3	8.25E+07	1.33E+00	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	NO3	8.22E+07	1.33E+00	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	NO3	8.05E+07	1.30E+00	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	NO3	7.95E+07	1.28E+00	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	NO3	7.94E+07	1.28E+00	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	7.93E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	7.92E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G522*	(1.20)	7.92E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G515*	(1.20)	7.91E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G509*	(1.20)	7.90E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	7.90E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	7.87E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	7.86E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	7.85E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	7.84E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	7.84E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	7.83E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G517*	(1.20)	7.83E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G522*	(1.20)	7.82E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	7.81E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G517*	(1.20)	7.81E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	7.80E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	7.80E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	7.79E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G510*	1.21	7.77E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G533*	(1.20)	7.76E+04	ug/ml

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	NO3	7.93E+07	1.28E+00	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	NO3	7.92E+07	1.28E+00	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	NO3	7.92E+07	1.28E+00	AP102-3	Y	Density not reported for G522. Density assumed same as G353 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	NO3	7.91E+07	1.28E+00	AP102-3	Y	Density not reported for G515. Density assumed same as G358 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	NO3	7.90E+07	1.27E+00	AP102-3	Y	Density not reported for G509. Density assumed same as G342 which was collected at 306 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	NO3	7.90E+07	1.27E+00	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	NO3	7.87E+07	1.27E+00	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	NO3	7.86E+07	1.27E+00	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	NO3	7.85E+07	1.27E+00	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.84E+07	1.26E+00	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.84E+07	1.26E+00	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	NO3	7.83E+07	1.26E+00	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	NO3	7.83E+07	1.26E+00	AP102-3	Y	Density not reported for G517. Density assumed same as G459 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	NO3	7.82E+07	1.26E+00	AP102-3	Y	Density not reported for G522. Density assumed same as G353 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	NO3	7.81E+07	1.26E+00	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	NO3	7.81E+07	1.26E+00	AP102-3	Y	Density not reported for G517. Density assumed same as G459 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	NO3	7.80E+07	1.26E+00	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	NO3	7.80E+07	1.26E+00	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	NO3	7.79E+07	1.26E+00	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	NO3	7.77E+07	1.25E+00	AP102-3	Y	Density not reported for G510. Density assumed same as G348 which was collected at 125 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	NO3	7.76E+07	1.25E+00	AP102-3	Y	Density not reported for G533. Density assumed same as G363 which was collected at 18 in from bottom of tank at a 150° angle. This sample was heated.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	7.76E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	7.76E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	7.75E+04	ug/r
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	7.75E+04	ug/r
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G533*	(1.20)	7.75E+04	ug/r
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	7.74E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	7.74E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	7.74E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G521*	(1.20)	7.73E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	7.72E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	7.72E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	7.71E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	7.69E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	7.68E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	7.68E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	7.64E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	7.63E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	7.63E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G509*	(1.20)	7.61E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	7.60E+04	ug/ml

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	NO3	7.76E+07	1.25E+00	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.76E+07	1.25E+00	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	NO3	7.75E+07	1.25E+00	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.75E+07	1.25E+00	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.75E+07	1.25E+00	AP102-3	Y	Density not reported for G533. Density assumed same as G363 which was collected at 18 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	NO3	7.74E+07	1.25E+00	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.74E+07	1.25E+00	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	NO3	7.74E+07	1.25E+00	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	NO3	7.73E+07	1.25E+00	AP102-3	Y	Density not reported for G521. Density assumed same as G352 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	NO3	7.72E+07	1.25E+00	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.72E+07	1.25E+00	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	NO3	7.71E+07	1.24E+00	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.69E+07	1.24E+00	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.68E+07	1.24E+00	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	NO3	7.68E+07	1.24E+00	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.64E+07	1.23E+00	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.63E+07	1.23E+00	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.63E+07	1.23E+00	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	NO3	7.61E+07	1.23E+00	AP102-3	Y	Density not reported for G509. Density assumed same as G342 which was collected at 306 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	NO3	7.60E+07	1.23E+00	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	7.59E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	7.59E+04	ug/r
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G534*	(1.19)	7.59E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G534*	(1.19)	7.59E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	7.58E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G536*	(1.20)	7.58E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	7.58E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	7.58E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G511*	(1.20)	7.58E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G515*	(1.20)	7.57E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	7.55E+04	ug/m
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	7.55E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G536*	(1.20)	7.53E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G511*	(1.20)	7.52E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	7.50E+04	ug/ml
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	7.50E+04	ug/mL
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	7.49E+04	ug/mL
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G521*	(1.20)	7.42E+04	ug/mL
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	7.42E+04	ug/mL
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G529*	NA	7.36E+04	ug/mL

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	NO3	7.59E+07	1.22E+00	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.59E+07	1.22E+00	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	NO3	7.59E+07	1.22E+00	AP102-3	Y	Density not reported for G534. Density assumed same as G364 which was collected at 372 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	NO3	7.59E+07	1.22E+00	AP102-3	Y	Density not reported for G534. Density assumed same as G364 which was collected at 372 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	NO3	7.58E+07	1.22E+00	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	NO3	7.58E+07	1.22E+00	AP102-3	Y	Density not reported for G536. Density assumed same as G460 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	NO3	7.58E+07	1.22E+00	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.58E+07	1.22E+00	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.58E+07	1.22E+00	AP102-3	Y	Density not reported for G511. Density assumed same as G349 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	NO3	7.57E+07	1.22E+00	AP102-3	Y	Density not reported for G515. Density assumed same as G358 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	NO3	7.55E+07	1.22E+00	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.55E+07	1.22E+00	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	NO3	7.53E+07	1.21E+00	AP102-3	Y	Density not reported for G536. Density assumed same as G460 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	NO3	7.52E+07	1.21E+00	AP102-3	Y	Density not reported for G511. Density assumed same as G349 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	NO3	7.50E+07	1.21E+00	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.50E+07	1.21E+00	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.49E+07	1.21E+00	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	NO3	7.42E+07	1.20E+00	AP102-3	Y	Density not reported for G521. Density assumed same as G352 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	NO3	7.42E+07	1.20E+00	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	NO3	7.36E+07	1.19E+00	AP102-3	Y	Density not reported for G529. No assumptions could be made

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G529*	NA	7.30E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G523*	NA	7.27E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G523*	NA	7.21E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G528*	NA	7.18E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G510*	1.21	6.97E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G528*	NA	6.68E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	6.52E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	6.45E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	5.58E+04	ug/n
Nitrate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	5.37E+04	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	9.52E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	9.47E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	9.40E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	9.40E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	9.33E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	9.33E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	9.33E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	9.27E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	9.20E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	9.20E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	9.20E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	9.20E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	9.20E+03	ug/n

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	NO3	7.30E+07	1.18E+00	AP102-3	Y	Density not reported for G529. No assumptions could be made
P	Raw	NO3	7.27E+07	1.17E+00	AP102-3	Y	Density not reported for G523. No assumptions could be made
P	Raw	NO3	7.21E+07	1.16E+00	AP102-3	Y	Density not reported for G523. No assumptions could be made
P	Raw	NO3	7.18E+07	1.16E+00	AP102-3	Y	Density not reported for G528. No assumptions could be made
P	Raw	NO3	6.97E+07	1.12E+00	AP102-3	Y	Density not reported for G510. Density assumed same as G348 which was collected at 125 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	NO3	6.68E+07	1.08E+00	AP102-3	Y	Density not reported for G528. No assumptions could be made
P	Raw	NO3	6.52E+07	1.05E+00	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	NO3	6.45E+07	1.04E+00	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	NO3	5.58E+07	9.00E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	NO3	5.37E+07	8.66E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	OH	9.52E+06	5.60E-01	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.47E+06	5.57E-01	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.40E+06	5.53E-01	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.40E+06	5.53E-01	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	OH	9.33E+06	5.49E-01	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.33E+06	5.49E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	OH	9.33E+06	5.49E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	OH	9.27E+06	5.45E-01	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.20E+06	5.41E-01	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.20E+06	5.41E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	OH	9.20E+06	5.41E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	OH	9.20E+06	5.41E-01	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.20E+06	5.41E-01	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	9.20E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	9.15E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	9.13E+03	ug/n
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	9.08E+03	ug/m
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	9.08E+03	ug/m
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	9.08E+03	ug/m
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	9.08E+03	ug/m
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	9.08E+03	ug/m
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	9.08E+03	ug/ml
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	9.08E+03	ug/ml
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	9.08E+03	ug/ml
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	9.08E+03	ug/ml
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	9.01E+03	ug/ml
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	9.01E+03	ug/ml
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	9.01E+03	ug/ml
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	8.94E+03	ug/ml
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	8.94E+03	ug/ml
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	8.94E+03	ug/mL
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	8.94E+03	ug/mL
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	8.81E+03	ug/mL
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	8.81E+03	ug/mL

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	OH	9.20E+06	5.41E-01	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.15E+06	5.38E-01	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.13E+06	5.37E-01	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.08E+06	5.34E-01	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.08E+06	5.34E-01	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.08E+06	5.34E-01	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.08E+06	5.34E-01	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.08E+06	5.34E-01	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.08E+06	5.34E-01	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.08E+06	5.34E-01	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.08E+06	5.34E-01	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.08E+06	5.34E-01	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	OH	9.01E+06	5.30E-01	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	9.01E+06	5.30E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	OH	9.01E+06	5.30E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	OH	8.94E+06	5.26E-01	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	OH	8.94E+06	5.26E-01	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	8.94E+06	5.26E-01	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	OH	8.94E+06	5.26E-01	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	OH	8.81E+06	5.18E-01	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	OH	8.81E+06	5.18E-01	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Rept Unit
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	8.81E+03	ug/l
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	8.69E+03	ug/l
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	8.62E+03	ug/l
OH	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	7.91E+03	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	3.88E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	3.55E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	3.53E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	3.44E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	3.44E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	3.42E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	3.38E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	3.30E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	3.30E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	3.29E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	3.25E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	3.25E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	3.19E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	3.13E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	3.12E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	3.08E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	3.08E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	3.07E+06	ug/l

Waste Characterization Database
Tank 241-AP-102

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	OH	8.81E+06	5.18E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	OH	8.69E+06	5.11E-01	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	OH	8.62E+06	5.07E-01	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	OH	7.91E+06	4.65E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	P	3.88E+06	#N/A	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	P	3.55E+06	#N/A	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	P	3.53E+06	#N/A	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	P	3.44E+06	#N/A	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	P	3.44E+06	#N/A	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	P	3.42E+06	#N/A	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	P	3.38E+06	#N/A	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	P	3.30E+06	#N/A	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	3.30E+06	#N/A	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	P	3.29E+06	#N/A	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	P	3.25E+06	#N/A	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	P	3.25E+06	#N/A	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	3.19E+06	#N/A	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	3.13E+06	#N/A	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	3.12E+06	#N/A	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	3.08E+06	#N/A	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	P	3.08E+06	#N/A	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	P	3.07E+06	#N/A	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	3.07E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	3.06E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	3.06E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	3.05E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	3.03E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	3.01E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	2.99E+06	ug/l
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	2.98E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	2.96E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	2.95E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	2.94E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	2.90E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	2.89E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	2.86E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	2.86E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	2.81E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	2.81E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	2.79E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	2.68E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	2.68E+06	ug/L
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	2.59E+06	ug/L

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	P	3.07E+06	#N/A	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	3.06E+06	#N/A	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	P	3.06E+06	#N/A	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	3.05E+06	#N/A	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	P	3.03E+06	#N/A	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	3.01E+06	#N/A	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.99E+06	#N/A	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.98E+06	#N/A	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	P	2.96E+06	#N/A	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.95E+06	#N/A	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.94E+06	#N/A	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.90E+06	#N/A	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.89E+06	#N/A	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.86E+06	#N/A	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	P	2.86E+06	#N/A	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	P	2.81E+06	#N/A	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	P	2.81E+06	#N/A	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.79E+06	#N/A	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.68E+06	#N/A	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.68E+06	#N/A	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	P	2.59E+06	#N/A	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Rep U
Phosphorus	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	2.53E+06	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<6.20E+04	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<6.20E+04	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	<1.55E+03	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	<1.55E+03	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	<1.55E+03	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	<1.55E+03	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	<1.55E+03	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	<1.55E+03	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	<1.55E+03	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	<1.55E+03	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	<1.55E+03	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	<1.55E+03	ug
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	<1.55E+03	ug/l

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	P	2.53E+06	#N/A	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	<1.55E+03	ug/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	<1.55E+03	ug/l
Pb2 +	NS	NS	NS	NS	NS	NS	NS	NS	1.24	4.00E-05	Mole-
Lead	4/1/93	NS	NS	NS	NS	B0B2T9	G327	NS	NS	1.55E+03	UG/l
Lead	4/1/93	NS	NS	NS	NS	B0B2T9	G327	NS	NS	1.55E+03	UG/l
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	5.33E+03	ug/L
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	3.22E+03	ug/L
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	2.64E+03	ug/L
Lead	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	1.95E+03	ug/L
PO4	4/28/84	NS	NS	NS	NS	R8469	NS	NS	NS	1.56E-01	M
PO4	4/28/84	NS	NS	NS	NS	R-8469	NS	NS	NS	1.56E-01	moles
PO4	4/28/84	NS	NS	NS	NS	NS	NS	NS	NS	1.48E+01	g/L
PO43-	NS	NS	NS	NS	NS	NS	NS	NS	1.24	1.09E-01	Mole/

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
L	HTCE Inv.	Pb	8.29E+09	4.00E+01	NA	N	No Reference
P	TCD	Pb	1.55E+09	7.48E+00		N	THIS POINT NOT GIVEN IN REPORT WHC-SD-WM-TRP-169
P	TCD	Pb	1.55E+09	7.48E+00		N	THIS POINT NOT GIVEN IN REPORT WHC-SD-WM-TRP-169
P	Raw	Pb	5.33E+03	2.57E-05	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	3.22E+03	1.55E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	2.64E+03	1.27E-05	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Pb	1.95E+03	9.41E-06	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
L	Raw	PO4	1.48E+13	1.56E+05	AP102-1	N	Outdated Information
P	Braun	PO4	1.48E+13	1.56E+05		N	No Reference
P	Wastren	PO4	1.48E+13	1.56E+05	NS	N	No Reference
L	HTCE Inv.	PO4	1.04E+13	1.09E+05	NA	N	No Reference

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	1.37E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.33E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	1.32E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	1.29E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	1.29E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	1.28E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	1.28E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G522*	(1.20)	1.24E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G522*	(1.20)	1.24E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	1.24E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G515*	(1.20)	1.23E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G521*	(1.20)	1.23E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G509*	(1.20)	1.22E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G533*	(1.20)	1.22E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G533*	(1.20)	1.22E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	1.21E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	1.20E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	1.20E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G521*	(1.20)	1.20E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G534*	(1.19)	1.20E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	1.19E+04	ug/mL

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	PO4	1.37E+07	1.44E-01	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	PO4	1.33E+07	1.40E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	PO4	1.32E+07	1.39E-01	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	PO4	1.29E+07	1.36E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	PO4	1.29E+07	1.36E-01	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	PO4	1.28E+07	1.35E-01	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	PO4	1.28E+07	1.35E-01	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	PO4	1.24E+07	1.31E-01	AP102-3	Y	Density not reported for G522. Density assumed same as G353 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	PO4	1.24E+07	1.31E-01	AP102-3	Y	Density not reported for G522. Density assumed same as G353 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	PO4	1.24E+07	1.31E-01	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	PO4	1.23E+07	1.30E-01	AP102-3	Y	Density not reported for G515. Density assumed same as G358 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	PO4	1.23E+07	1.30E-01	AP102-3	Y	Density not reported for G521. Density assumed same as G352 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	PO4	1.22E+07	1.28E-01	AP102-3	Y	Density not reported for G509. Density assumed same as G342 which was collected at 306 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	PO4	1.22E+07	1.28E-01	AP102-3	Y	Density not reported for G533. Density assumed same as G363 which was collected at 18 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	PO4	1.22E+07	1.28E-01	AP102-3	Y	Density not reported for G533. Density assumed same as G363 which was collected at 18 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	PO4	1.21E+07	1.27E-01	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	PO4	1.20E+07	1.26E-01	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	PO4	1.20E+07	1.26E-01	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	PO4	1.20E+07	1.26E-01	AP102-3	Y	Density not reported for G521. Density assumed same as G352 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	PO4	1.20E+07	1.26E-01	AP102-3	Y	Density not reported for G534. Density assumed same as G364 which was collected at 372 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	PO4	1.19E+07	1.25E-01	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	1.19E+04	ug/n
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G536*	(1.20)	1.19E+04	ug/n
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	1.19E+04	ug/n
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G509*	(1.20)	1.19E+04	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	1.18E+04	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G510*	1.21	1.18E+04	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G534*	(1.19)	1.18E+04	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G536*	(1.20)	1.18E+04	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G517*	(1.20)	1.16E+04	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G523*	NA	1.16E+04	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G523*	NA	1.15E+04	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G515*	(1.20)	1.15E+04	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	1.14E+04	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G517*	(1.20)	1.14E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G529*	NA	1.13E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G511*	(1.20)	1.13E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G529*	NA	1.13E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G511*	(1.20)	1.11E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G528*	NA	1.10E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	1.07E+04	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G510*	1.21	1.07E+04	ug/mL

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	PO4	1.19E+07	1.25E-01	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	PO4	1.19E+07	1.25E-01	AP102-3	Y	Density not reported for G536. Density assumed same as G460 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	PO4	1.19E+07	1.25E-01	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	1.19E+07	1.25E-01	AP102-3	Y	Density not reported for G509. Density assumed same as G342 which was collected at 306 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	PO4	1.18E+07	1.24E-01	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	1.18E+07	1.24E-01	AP102-3	Y	Density not reported for G510. Density assumed same as G348 which was collected at 125 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	PO4	1.18E+07	1.24E-01	AP102-3	Y	Density not reported for G534. Density assumed same as G364 which was collected at 372 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	PO4	1.18E+07	1.24E-01	AP102-3	Y	Density not reported for G536. Density assumed same as G460 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	PO4	1.16E+07	1.22E-01	AP102-3	Y	Density not reported for G517. Density assumed same as G459 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	PO4	1.16E+07	1.22E-01	AP102-3	Y	Density not reported for G523. No assumptions could be made
P	Raw	PO4	1.15E+07	1.21E-01	AP102-3	Y	Density not reported for G523. No assumptions could be made
P	Raw	PO4	1.15E+07	1.21E-01	AP102-3	Y	Density not reported for G515. Density assumed same as G358 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	PO4	1.14E+07	1.20E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	PO4	1.14E+07	1.20E-01	AP102-3	Y	Density not reported for G517. Density assumed same as G459 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	PO4	1.13E+07	1.19E-01	AP102-3	Y	Density not reported for G529. No assumptions could be made
P	Raw	PO4	1.13E+07	1.19E-01	AP102-3	Y	Density not reported for G511. Density assumed same as G349 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	PO4	1.13E+07	1.19E-01	AP102-3	Y	Density not reported for G529. No assumptions could be made
P	Raw	PO4	1.11E+07	1.17E-01	AP102-3	Y	Density not reported for G511. Density assumed same as G349 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	PO4	1.10E+07	1.16E-01	AP102-3	Y	Density not reported for G528. No assumptions could be made
P	Raw	PO4	1.07E+07	1.13E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	PO4	1.07E+07	1.13E-01	AP102-3	Y	Density not reported for G510. Density assumed same as G348 which was collected at 125 in from bottom of tank at a 30° angle. This sample was heated.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	1.06E+04	ug/n
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G528*	NA	1.05E+04	ug/n
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	1.04E+04	ug/n
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	1.04E+04	ug/n
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	1.03E+04	ug/n
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	1.02E+04	ug/n
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	9.95E+03	ug/n
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	9.90E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	9.86E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	9.69E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	9.65E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	9.60E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	9.51E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	9.39E+03	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	9.34E+03	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	9.30E+03	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	9.26E+03	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	9.22E+03	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	9.20E+03	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	9.19E+03	ug/ml
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	9.19E+03	ug/mL
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	9.15E+03	ug/mL

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	PO4	1.06E+07	1.12E-01	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	PO4	1.05E+07	1.11E-01	AP102-3	Y	Density not reported for G528. No assumptions could be made
P	Raw	PO4	1.04E+07	1.10E-01	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	1.04E+07	1.10E-01	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	1.03E+07	1.08E-01	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	PO4	1.02E+07	1.07E-01	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	PO4	9.95E+06	1.05E-01	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	PO4	9.90E+06	1.04E-01	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	PO4	9.86E+06	1.04E-01	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	PO4	9.69E+06	1.02E-01	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	PO4	9.65E+06	1.02E-01	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	PO4	9.60E+06	1.01E-01	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	PO4	9.51E+06	1.00E-01	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	PO4	9.39E+06	9.89E-02	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	PO4	9.34E+06	9.83E-02	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	9.30E+06	9.79E-02	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	PO4	9.26E+06	9.75E-02	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	9.22E+06	9.71E-02	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	PO4	9.20E+06	9.69E-02	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	PO4	9.19E+06	9.68E-02	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	PO4	9.19E+06	9.68E-02	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	9.15E+06	9.63E-02	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	9.05E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	9.05E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	8.87E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	8.87E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	8.85E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	8.85E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	8.84E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	8.79E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	8.77E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	8.76E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	8.75E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	8.73E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	8.69E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	8.59E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	8.55E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	8.51E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	8.27E+03	ug/m
Phosphate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	8.09E+03	ug/m
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<2.10E+05	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	<2.10E+05	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	<5.25E+03	ug/L

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	PO4	9.05E+06	9.53E-02	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	9.05E+06	9.53E-02	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.87E+06	9.34E-02	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.87E+06	9.34E-02	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.85E+06	9.32E-02	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.85E+06	9.32E-02	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.84E+06	9.31E-02	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.79E+06	9.26E-02	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.77E+06	9.23E-02	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.76E+06	9.22E-02	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.75E+06	9.21E-02	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	PO4	8.73E+06	9.19E-02	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.69E+06	9.15E-02	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.59E+06	9.04E-02	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.55E+06	9.00E-02	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	PO4	8.51E+06	8.96E-02	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	PO4	8.27E+06	8.71E-02	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	PO4	8.09E+06	8.52E-02	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G338. No assumptions could be made

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G449	NA	<5.25E+03	ug/L
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	<5.25E+03	ug/L

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G449. No assumptions could be made
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was kept heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	<5.25E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.20	<5.25E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	<5.25E+03	ug/r
Sb	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	7.58E+00	ppm
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	9.47E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	7.57E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	6.58E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G338	NA	6.56E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	6.34E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	6.00E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	6.00E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	5.98E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	5.82E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	5.53E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	5.39E+03	ug
Antimony	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	5.37E+03	ug
Se	2/10/89	NS	NS	NS	NS	NS	NS	NS	0.956764	4.74E-02	ppm
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	6.79E-01	ug/m
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	6.15E-01	ug/m
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	6.02E-01	ug/m
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	5.95E-01	ug/m
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	5.93E-01	ug/m
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	5.88E-01	ug/ml

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	#VALUE!	#VALUE!	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
U	RAW	Sb	7.25E+09	5.95E+01	AP102-2	N	Projected value, not a real data point
P	Raw	Sb	9.47E+03	7.78E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	7.57E+03	6.22E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	6.58E+03	5.40E-05	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	6.56E+03	5.39E-05	AP102-3	Y	Density not reported for G338. No assumptions could be made
P	Raw	Sb	6.34E+03	5.21E-05	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	6.00E+03	4.93E-05	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Sb	6.00E+03	4.93E-05	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Sb	5.98E+03	4.91E-05	AP102-3	Y	Density not reported for G453. No assumptions could be made
P	Raw	Sb	5.82E+03	4.78E-05	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	Sb	5.53E+03	4.54E-05	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Sb	5.39E+03	4.43E-05	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Sb	5.37E+03	4.41E-05	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
U	RAW	Se	4.53E+07	5.74E-01	AP102-2	N	Projected value, not a real data point
P	Raw	Se	6.79E+02	8.60E-06	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	Se	6.15E+02	7.79E-06	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Se	6.02E+02	7.62E-06	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Se	5.95E+02	7.54E-06	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	Se	5.93E+02	7.51E-06	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	Se	5.88E+02	7.45E-06	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repr U.
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	5.63E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	5.63E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	4.69E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	4.68E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	4.64E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G352	1.20	4.56E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	4.56E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	4.24E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	4.22E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	4.00E-01	ug/n
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	3.98E-01	ug/n
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G358	1.20	3.95E-01	ug/lr
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	3.88E-01	ug/lr
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	3.84E-01	ug/lr
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	3.83E-01	ug/m
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	3.74E-01	ug/m
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	3.72E-01	ug/m
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G359	1.20	3.69E-01	ug/m
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G459	1.20	3.57E-01	ug/ml
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	3.51E-01	ug/ml
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G341	1.20	3.41E-01	ug/ml

Waste Characterization Database
Tank 241-AP-102

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Se	5.63E+02	7.13E-06	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	Se	5.63E+02	7.13E-06	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	Se	4.69E+02	5.94E-06	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	4.68E+02	5.93E-06	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	4.64E+02	5.88E-06	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	4.56E+02	5.78E-06	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	4.56E+02	5.78E-06	AP102-3	Y	Density reported for G352 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	4.24E+02	5.37E-06	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Se	4.22E+02	5.34E-06	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	4.00E+02	5.07E-06	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	Se	3.98E+02	5.04E-06	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.95E+02	5.00E-06	AP102-3	Y	Density reported for G358 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.88E+02	4.91E-06	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.84E+02	4.86E-06	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.83E+02	4.85E-06	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.74E+02	4.74E-06	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.72E+02	4.71E-06	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.69E+02	4.67E-06	AP102-3	Y	Density reported for G359 collected at 162 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.57E+02	4.52E-06	AP102-3	Y	Density reported for G459 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.51E+02	4.45E-06	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.
P	Raw	Se	3.41E+02	4.32E-06	AP102-3	Y	Density reported for G341 collected at 99 in from bottom of tank at a 270° angle.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Rep U
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G342	1.20	3.40E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	3.40E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G348	1.21	3.17E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	3.12E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G349	1.20	2.91E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	2.64E-01	ug/l
Selenium	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G364	1.19	2.56E-01	ug/l
SO42-	NS	NS	NS	NS	NS	NS	NS	NS	1.24	1.42E-01	Mol/l
SO4	4/28/84	NS	NS	NS	NS	R8469	NS	NS	NS	1.48E-02	M
SO4	4/28/84	NS	NS	NS	NS	R-8469	NS	NS	NS	1.48E-02	mol/l
SO4--	4/28/84	NS	NS	NS	NS	NS	NS	NS	NS	1.42E+00	g/l
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	5.17E+03	ug/r
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	5.03E+03	ug/r
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G443	1.20	4.99E+03	ug/n
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G515*	(1.20)	4.86E+03	ug/n
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G517*	(1.20)	4.86E+03	ug/n
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G509*	(1.20)	4.85E+03	ug/n
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	4.85E+03	ug/n
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G510*	1.21	4.84E+03	ug/m
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M6	G318	G517*	(1.20)	4.83E+03	ug/m
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M2	G309	G515*	(1.20)	4.79E+03	ug/m
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	4.78E+03	ug/m
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	4.77E+03	ug/ml

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Se	3.40E+02	4.31E-06	AP102-3	Y	Density reported for G342 collected at 306 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.40E+02	4.31E-06	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.17E+02	4.01E-06	AP102-3	Y	Density reported for G348 collected at 125 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	3.12E+02	3.95E-06	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	2.91E+02	3.69E-06	AP102-3	Y	Density reported for G349 collected at 34 in from bottom of tank at a 30° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	2.64E+02	3.34E-06	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	Se	2.56E+02	3.24E-06	AP102-3	Y	Density reported for G364 collected at 372 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
L	HTCE Inv.	SO4	1.37E+13	1.43E+05	NA	N	No Reference
L	Raw	SO4	1.42E+12	1.48E+04	AP102-1	N	Outdated Information
P	Braun	SO4	1.42E+12	1.48E+04		N	No Reference
P	Wastren	SO4	1.42E+12	1.48E+04	NS	N	No Reference
P	Raw	SO4	5.17E+06	5.39E-02	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	SO4	5.03E+06	5.24E-02	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	SO4	4.99E+06	5.20E-02	AP102-3	Y	Density reported for G443 represents a composite sample
P	Raw	SO4	4.86E+06	5.06E-02	AP102-3	Y	Density not reported for G515. Density assumed same as G358 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	SO4	4.86E+06	5.06E-02	AP102-3	Y	Density not reported for G517. Density assumed same as G459 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	SO4	4.85E+06	5.05E-02	AP102-3	Y	Density not reported for G509. Density assumed same as G342 which was collected at 306 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	SO4	4.85E+06	5.05E-02	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	SO4	4.84E+06	5.04E-02	AP102-3	Y	Density not reported for G510. Density assumed same as G348 which was collected at 125 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	SO4	4.83E+06	5.03E-02	AP102-3	Y	Density not reported for G517. Density assumed same as G459 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	SO4	4.79E+06	4.99E-02	AP102-3	Y	Density not reported for G515. Density assumed same as G358 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	SO4	4.78E+06	4.98E-02	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	SO4	4.77E+06	4.97E-02	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Report Unit
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G522*	(1.20)	4.77E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L7	G299	G509*	(1.20)	4.77E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G511*	(1.20)	4.76E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G522*	(1.20)	4.75E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L9	G305	G511*	(1.20)	4.73E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G521*	(1.20)	4.69E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G529*	NA	4.67E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2L8	G303	G510*	1.21	4.65E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G534*	(1.19)	4.65E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M0	G306	G521*	(1.20)	4.63E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N3	G322	G529*	NA	4.63E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G528*	NA	4.61E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G523*	NA	4.60E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G533*	(1.20)	4.59E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G533*	(1.20)	4.57E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M8	G301	G523*	NA	4.55E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M5	G315	G534*	(1.19)	4.55E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G536*	(1.20)	4.55E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	4.53E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G460	1.2	4.53E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M7	G319	G536*	(1.20)	4.52E+03	ug/ml

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	SO4	4.77E+06	4.97E-02	AP102-3	Y	Density not reported for G522. Density assumed same as G353 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	SO4	4.77E+06	4.97E-02	AP102-3	Y	Density not reported for G509. Density assumed same as G342 which was collected at 306 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	SO4	4.76E+06	4.96E-02	AP102-3	Y	Density not reported for G511. Density assumed same as G349 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	SO4	4.75E+06	4.95E-02	AP102-3	Y	Density not reported for G522. Density assumed same as G353 which was collected at 334 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	SO4	4.73E+06	4.93E-02	AP102-3	Y	Density not reported for G511. Density assumed same as G349 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	SO4	4.69E+06	4.89E-02	AP102-3	Y	Density not reported for G521. Density assumed same as G352 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	SO4	4.67E+06	4.86E-02	AP102-3	Y	Density not reported for G529. No assumptions could be made
P	Raw	SO4	4.65E+06	4.84E-02	AP102-3	Y	Density not reported for G510. Density assumed same as G348 which was collected at 125 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	SO4	4.65E+06	4.84E-02	AP102-3	Y	Density not reported for G534. Density assumed same as G364 which was collected at 372 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	SO4	4.63E+06	4.82E-02	AP102-3	Y	Density not reported for G521. Density assumed same as G352 which was collected at 34 in from bottom of tank at a 30° angle. This sample was heated.
P	Raw	SO4	4.63E+06	4.82E-02	AP102-3	Y	Density not reported for G529. No assumptions could be made
P	Raw	SO4	4.61E+06	4.80E-02	AP102-3	Y	Density not reported for G528. No assumptions could be made
P	Raw	SO4	4.60E+06	4.79E-02	AP102-3	Y	Density not reported for G523. No assumptions could be made
P	Raw	SO4	4.59E+06	4.78E-02	AP102-3	Y	Density not reported for G533. Density assumed same as G363 which was collected at 18 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	SO4	4.57E+06	4.76E-02	AP102-3	Y	Density not reported for G533. Density assumed same as G363 which was collected at 18 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	SO4	4.55E+06	4.74E-02	AP102-3	Y	Density not reported for G523. No assumptions could be made
P	Raw	SO4	4.55E+06	4.74E-02	AP102-3	Y	Density not reported for G534. Density assumed same as G364 which was collected at 372 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	SO4	4.55E+06	4.74E-02	AP102-3	Y	Density not reported for G536. Density assumed same as G460 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.
P	Raw	SO4	4.53E+06	4.72E-02	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	SO4	4.53E+06	4.72E-02	AP102-3	Y	Density reported for G460 collected at 226 in from bottom of tank at a 270° angle. Sample was unheated, unheated samples precipitated
P	Raw	SO4	4.52E+06	4.71E-02	AP102-3	Y	Density not reported for G536. Density assumed same as G460 which was collected at 226 in from bottom of tank at a 270° angle. This sample was heated.

Tank Waste Characterization Sample Information											
Reported Chemical	Memo Date	Start Analysis Date	Finish Analysis Date	Start Sample Date	Finish Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repe Unit
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	4.50E+03	ug/l
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	4.50E+03	ug/l
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	4.49E+03	ug/l
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G528*	NA	4.49E+03	ug/l
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	4.46E+03	ug/l
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M3	G311	G516*	(1.20)	4.43E+03	ug/l
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G527*	NA	4.40E+03	ug/r
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	3.96E+03	ug/r
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N2	G317	G333	NA	3.93E+03	ug/n
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	3.93E+03	ug/n
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N4	G323	G476*	1.21	3.92E+03	ug/n
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G477*	1.20	3.91E+03	ug/n
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2T9	G327	G470*	1.19	3.89E+03	ug/n
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G471*	1.19	3.76E+03	ug/m
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M4	G313	G363	1.20	3.75E+03	ug/m
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M9	G302	G450	(1.20)	3.75E+03	ug/m
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N1	G310	G454	(1.19)	3.75E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2M1	G308	G353	1.20	3.74E+03	ug/ml
Sulfate	6/1/90	4/30/89	12/30/89	4/27/89	4/29/89	B0B2N0	G307	G453	NA	3.74E+03	ug/ml

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	SO4	4.50E+06	4.69E-02	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	SO4	4.50E+06	4.69E-02	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	SO4	4.49E+06	4.68E-02	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	SO4	4.49E+06	4.68E-02	AP102-3	Y	Density not reported for G528. No assumptions could be made
P	Raw	SO4	4.46E+06	4.65E-02	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	SO4	4.43E+06	4.61E-02	AP102-3	Y	Density not reported for G516. Density assumed same as G359 which was collected at 162 in from bottom of tank at a 150° angle. This sample was heated.
P	Raw	SO4	4.40E+06	4.58E-02	AP102-3	Y	Density not reported for G527. No assumptions could be made
P	Raw	SO4	3.96E+06	4.13E-02	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	SO4	3.93E+06	4.09E-02	AP102-3	Y	Density not reported for G333. No assumptions could be made
P	Raw	SO4	3.93E+06	4.09E-02	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	SO4	3.92E+06	4.08E-02	AP102-3	Y	Density reported for G476 collected at 99 in from bottom of tank at a 270° angle and was keep heated to 40° C.
P	Raw	SO4	3.91E+06	4.07E-02	AP102-3	Y	Density reported for G477 collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	SO4	3.89E+06	4.05E-02	AP102-3	Y	Density reported for G470 represents a composite sample. Sample was kept heated to 40 °C.
P	Raw	SO4	3.76E+06	3.92E-02	AP102-3	Y	Density reported for G471 collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	SO4	3.75E+06	3.91E-02	AP102-3	Y	Density reported for G363 collected at 18 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	SO4	3.75E+06	3.91E-02	AP102-3	Y	Density not reported for G450. Density assumed same as G477 which was collected at 182 in from bottom of tank at a 30° angle and was keep heated to 40° C.
P	Raw	SO4	3.75E+06	3.91E-02	AP102-3	Y	Density not reported for G454. Density assumed same as G471 which was collected at 208 in from bottom of tank at a 150° angle and was keep heated to 40° C.
P	Raw	SO4	3.74E+06	3.90E-02	AP102-3	Y	Density reported for G353 collected at 334 in from bottom of tank at a 150° angle. Sample was unheated, unheated samples precipitated
P	Raw	SO4	3.74E+06	3.90E-02	AP102-3	Y	Density not reported for G453. No assumptions could be made

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Al3+	NA	NA	NA	NA	NA	NA	1.33	8.05E-01	Mole/L
Aluminum	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	1.40E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	1.37E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	1.24E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	1.23E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	1.19E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	NA	G250	G422	1.348	1.19E+07	UG/L
Al	3/1/93	NA	3/10/93	NA	NA	NA	1.336	11700	ug/mL
Aluminum	3/1/93	NA	3/10/93	B0B3D1	NA	G378	1.334	1.16E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	1.16E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	B0B3D2	NA	G379	1.329	1.15E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	1.13E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	1.11E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	1.05E+07	UG/L
Aluminum	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	9.93E+06	UG/L
Aluminum	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	9.76E+06	UG/L
Aluminum	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	9.72E+06	UG/L
Arsenic	3/1/93	NA	3/10/93	B0B3D1	NA	G378	1.334	1.03	ug/mL
Arsenic	3/1/93	NA	3/10/93	B0B3D2	NA	G379	1.329	0.787	ug/mL
Barium	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	< 3.75E+02	UG/L
Barium	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	1.45E+03	UG/L
Barium	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	7.47E+02	UG/L
Barium	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	5.97E+02	UG/L
Barium	3/1/93	NA	3/10/93	B0B3D2	NS	G379	1.329	5.47E+02	UG/L
Barium	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	5.44E+02	UG/L
Barium	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	5.40E+02	UG/L
Barium	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	5.35E+02	UG/L
Barium	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	5.32E+02	UG/L
Barium	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	5.23E+02	UG/L
Barium	3/1/93	NA	3/10/93	B0B3D1	NS	G378	1.334	5.16E+02	UG/L
Barium	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	5.08E+02	UG/L
Barium	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	4.82E+02	UG/L
Barium	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	4.65E+02	UG/L
Beryllium	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	< 3.75E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	1.68E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	1.62E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B0B3D2	NS	G379	1.329	1.53E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	1.51E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	1.47E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B0B3D1	NS	G378	1.334	1.47E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	1.46E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	1.44E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	1.24E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	1.22E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	1.17E+03	UG/L
Beryllium	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	1.62E+02	UG/L
Beryllium	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	1.40E+02	UG/L
Cadmium	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	< 7.50E+03	UG/L
Cadmium	3/1/93	NA	3/10/93	B0B3D2	NA	G379	1.329	2.05E+03	UG/L
Cadmium	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	1.97E+03	UG/L

Waste Characterization Database
Tank 241-AP-105

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
L	HTCE Inv.	Al	2.17E+07	8.05E-01	NA	N	HTCE
P-3	Raw	Al	1.40E+07	5.17E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	1.37E+07	5.08E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	1.24E+07	4.60E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	1.23E+07	4.56E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	1.19E+07	4.41E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	1.19E+07	4.41E-01	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	Al	1.17E+07	4.34E-01	AP105-2	Y	Statistical average of 13 individual tank samples and 2 composite samples, and represents the "nominal value" for this analyte
P-3	Raw	Al	1.16E+07	4.30E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	1.16E+07	4.28E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	1.15E+07	4.26E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	1.13E+07	4.17E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	1.11E+07	4.11E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	1.05E+07	3.89E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	9.93E+06	3.68E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	9.76E+06	3.62E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Al	9.72E+06	3.60E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	As	1.03E+03	1.37E-05	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	As	7.87E+02	1.05E-05	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Ba	< 3.75E+02	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	1.45E+03	1.05E-05	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Ba	7.47E+02	5.44E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	5.97E+02	4.35E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	5.47E+02	3.98E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	5.44E+02	3.96E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	5.40E+02	3.93E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	5.35E+02	3.90E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	5.32E+02	3.87E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	5.23E+02	3.81E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	5.16E+02	3.76E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	5.08E+02	3.70E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	4.82E+02	3.51E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ba	4.65E+02	3.39E-06	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Be	< 3.75E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.68E+03	1.86E-04	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Be	1.62E+03	1.79E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.53E+03	1.70E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.51E+03	1.67E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.47E+03	1.63E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.46E+03	1.62E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.44E+03	1.60E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.24E+03	1.37E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.22E+03	1.35E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.17E+03	1.30E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.62E+02	1.80E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Be	1.40E+02	1.55E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	< 7.50E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	2.05E+03	1.82E-05	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cd	1.97E+03	1.75E-05	AP105-2	NR	Average of Primary and Duplicate results

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Cadmium	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	1.96E+03	UG/L
Cadmium	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	1.87E+03	UG/L
Cadmium	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	1.78E+03	UG/L
Cadmium	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	1.73E+03	UG/L
Cadmium	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	1.70E+03	UG/L
Cadmium	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	1.64E+03	UG/L
Cadmium	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	1.62E+03	UG/L
Cadmium	3/1/93	NA	3/10/93	B0B3D1	NS	G378	1.334	1.99E+02	UG/L
Cadmium	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	1.81E+02	UG/L
Cadmium	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	1.75E+02	UG/L
Cadmium	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	1.75E+02	UG/L
Chloride	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	6.96E+03	ug/mL
Cl-	NA	NA	NA	NA	NA	NA	1.33	1.22E-01	Mole/L
Chloride	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	4.07E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	3.36E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	3.23E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B0B3D2	NA	G379	1.329	2.69E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	2.68E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	2.68E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B0B3D1	NA	G378	1.334	2.65E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	2.64E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	2.62E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	2.58E+03	ug/mL
Cl ⁻	3/1/93	NA	3/10/93	NA	NA	NA	1.336	2.49E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	2.40E+03	ug/mL
Cl ⁻	3/1/93	NA	3/10/93	NA	NA	NA	1.336	2.36E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	2.28E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	2.26E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	2.19E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	2.18E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	1.99E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	1.97E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	1.87E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	1.76E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	1.74E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	1.73E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	1.68E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	1.46E+03	ug/mL
Chloride	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	1.14E+03	ug/mL
Cyanide	3/1/93	NA	3/10/93	B0B3D1	NA	G378	1.334	1.89E+01	ug/mL
Cyanide	3/1/93	NA	3/10/93	B0B3D2	NA	G379	1.329	1.77E+01	ug/mL
Chromium	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	2.19E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	2.07E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	1.99E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	1.97E+05	UG/L
Chromium	3/1/93	NA	3/10/93	NA	G250	G422	1.348	1.97E+05	UG/L

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P-3	Raw	Cd	1.96E+03	1.74E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	1.87E+03	1.66E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	1.78E+03	1.58E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	1.73E+03	1.53E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	1.70E+03	1.51E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	1.64E+03	1.45E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	1.62E+03	1.44E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	1.99E+02	1.77E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	1.81E+02	1.61E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	1.75E+02	1.56E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cd	1.75E+02	1.56E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Cl	6.96E+06	1.96E-01	AP105-2	Y	Average of Primary and Duplicate results; Possible outlier
L	HTCE Inv.	Cl	4.33E+06	1.22E-01	NA	N	HTCE
P-3	Raw	Cl	4.07E+06	1.15E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	3.36E+06	9.48E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	3.23E+06	9.11E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	2.69E+06	7.59E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	2.68E+06	7.56E-02	AP105-2	Y	Added / Average of Primary and Duplicate results
P-3	Raw	Cl	2.68E+06	7.56E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	2.65E+06	7.46E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	2.64E+06	7.43E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	2.62E+06	7.39E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	2.58E+06	7.28E-02	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	Cl	2.49E+06	7.02E-02	AP105-2	Y	Average of all 30 or more sample results, including outliers
P-3	Raw	Cl	2.40E+06	6.76E-02	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	Cl	2.36E+06	6.66E-02	AP105-2	Y	Average of 30 or fewer sample results with outliers removed; represents "nominal value"
P-3	Raw	Cl	2.28E+06	6.43E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	2.26E+06	6.37E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	2.19E+06	6.16E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	2.18E+06	6.15E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	1.99E+06	5.60E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	1.97E+06	5.54E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	1.87E+06	5.27E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	1.76E+06	4.96E-02	AP105-2	Y	Added / Average of Primary and Duplicate results
P-3	Raw	Cl	1.74E+06	4.91E-02	AP105-2	Y	Added / Average of Primary and Duplicate results
P-3	Raw	Cl	1.73E+06	4.87E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	1.68E+06	4.72E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	1.46E+06	4.12E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	1.14E+06	3.20E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	CN	1.89E+04	7.27E-04	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	CN	1.77E+04	6.81E-04	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	2.19E+05	4.21E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	2.07E+05	3.97E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.99E+05	3.83E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.97E+05	3.79E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.97E+05	3.79E-03	AP105-2	Y	

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Chromium	3/1/93	NA	3/10/93	B0B3D2	NA	G379	1.329	1.96E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B0B3D5	G240	G402	1.338	1.94E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B0B3D1	NA	G378	1.334	1.94E+05	UG/L
Cr	3/1/93	NA	3/10/93	NA	NA	NA	1.336	1.87E+02	ug/mL
Chromium	3/1/93	NA	3/10/93	B0B3D9	G245	G413	1.335	1.87E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B0B3D1	G253	G392	1.341	1.80E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B0B3D0	G251	G391	1.344	1.79E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B0B3D7	G243	G409	1.298	1.76E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	1.60E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B0B3D3	G271	G397	1.3	1.54E+05	UG/L
Chromium	3/1/93	NA	3/10/93	B0B3D2	G254	G396	1.298	1.45E+05	UG/L
Fluoride	3/1/93	NA	3/10/93	B0B3D0	G251	G391	1.344	< 4.01E+01	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D1	G253	G392	1.341	< 4.01E+01	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D2	G254	G396	1.298	< 2.01E+01	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D3	G271	G397	1.3	< 4.01E+01	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D3	G271	G397	1.3	< 2.01E+01	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D4	G238	G401	1.389	< 1.01E+01	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D5	G240	G402	1.338	< 5.10E+00	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D6	G241	G407	1.338	< 2.09E+02	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	< 1.68E+02	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	< 2.01E+01	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D1	NS	G378	1.334	< 1.01E+01	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D2	NS	G379	1.329	< 1.01E+01	ug/mL
F	3/1/93	NA	3/10/93	NA	NA	NA	1.336	<8.86E+03	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D2	G254	G396	1.298	8.78E+03	ug/mL
F-	NA	NA	NA	NA	NA	NA	1.33	2.18E-01	Mole/L
Fluoride	3/1/93	NA	3/10/93	NA	NA	P1530	1.332	1.54E+03	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	1.40E+03	ug/mL
Fluoride	3/1/93	NA	3/10/93	B0B3D8	G244	G412	1.377	6.57E+02	ug/mL
Iron	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	< 1.92E+04	UG/L
Fe3+ (total Fe)	NA	NA	NA	NA	NA	NA	1.33	9.24E-03	Mole/L
Iron	3/1/93	NA	3/10/93	B0B3D3	G271	G397	1.3	9.67E+03	UG/L

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P-3	Raw	Cr	1.96E+05	3.76E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.94E+05	3.73E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.94E+05	3.73E-03	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	Cr	1.87E+05	3.60E-03	AP105-2	Y	Statistical average of 13 individual tank samples and 2 composite samples, and represents the "nomonal value" for this analyte.
P-3	Raw	Cr	1.87E+05	3.60E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.80E+05	3.46E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.79E+05	3.44E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.76E+05	3.38E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.60E+05	3.08E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.54E+05	2.96E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Cr	1.45E+05	2.79E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P	Raw	F	#VALUE!	#VALUE!	AP105-2	Y	Retain "<" symbol, highest of all 30 or more samples results, including outliers, possible matrix interference
P-3	Raw	F	8.78E+06	4.62E-01	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
L	HTCE Inv.	F	4.15E+06	2.18E-01	NA	N	HTCE
P-3	Raw	F	1.54E+06	8.11E-02	AP105-2	Y	Average of Primary and Duplicate results; Specific ion electrode method
P-3	Raw	F	1.40E+06	7.37E-02	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	F	6.57E+05	3.46E-02	AP105-2	N	Average of Primary and Duplicate results; Matrix interference
P-3	Raw	Fe	< 1.92E+04	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
L	HTCE Inv.	Fe	5.16E+05	9.24E-03	NA	N	HTCE
P-3	Raw	Fe	9.67E+03	1.73E-04	AP105-2	Y	Average of Primary and Duplicate results

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Iron	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	8.98E+03	UG/L
Iron	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	7.23E+03	UG/L
Fe	3/1/93	NA	3/10/93	NS	NS	NS	1.336	6.6	ug/mL
Iron	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	6.60E+03	UG/L
Iron	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	6.57E+03	UG/L
Iron	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	6.48E+03	UG/L
Iron	3/1/93	NA	3/10/93	B083D2	NS	G379	1.329	6.23E+03	UG/L
Iron	3/1/93	NA	3/10/93	B083C9	G249	G418	1.3	6.23E+03	UG/L
Iron	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	6.10E+03	UG/L
Iron	3/1/93	NA	3/10/93	B083D1	NS	G378	1.334	6.04E+03	UG/L
Iron	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	5.79E+03	UG/L
Iron	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	5.49E+03	UG/L
Iron	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	4.98E+03	UG/L
Potassium	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	3.70E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B083D1	NA	G378	1.334	3.31E+07	UG/L
Potassium	3/1/93	NA	3/10/93	NA	G250	G422	1.348	3.30E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B083D2	NA	G379	1.329	3.29E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	3.16E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	3.14E+07	UG/L
K	3/1/93	NA	3/10/93	NA	NA	NA	1.336	31000	ug/mL
Potassium	3/1/93	NA	3/10/93	B083C8	G248	G417	1.327	3.08E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	3.05E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	3.02E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	3.00E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B083C9	G249	G418	1.3	2.99E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	2.95E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	2.91E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	2.90E+07	UG/L
Potassium	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	2.83E+07	UG/L
K+	NA	NA	NA	NA	NA	NA	1.33	1.94E-01	Mole/L
Sodium	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	1.93E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	1.90E+08	UG/L
Sodium	3/1/93	NA	3/10/93	NA	G250	G422	1.348	1.74E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B083D1	NA	G378	1.334	1.72E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	1.71E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B083D2	NA	G379	1.329	1.71E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	1.69E+08	UG/L
Na	3/1/93	NA	3/10/93	NA	NA	NA	1.336	1.67E+05	ug/mL
Sodium	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	1.67E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	1.65E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	1.62E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B083C8	G248	G417	1.327	1.62E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	1.50E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B083C9	G249	G418	1.3	1.49E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	1.49E+08	UG/L
Sodium	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	1.46E+08	UG/L
Ammonia	3/1/93	NA	3/10/93	B083D1	NS	G378	1.334	<40	ug/mL

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P-3	Raw	Fe	8.98E+03	1.61E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Fe	7.23E+03	1.29E-04	AP105-2	NR	Average of Primary and Duplicate results
P	Raw	Fe	6.60E+03	1.18E-04	AP105-2	NR	
P-3	Raw	Fe	6.60E+03	1.18E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Fe	6.57E+03	1.18E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Fe	6.48E+03	1.16E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Fe	6.23E+03	1.12E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Fe	6.23E+03	1.11E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Fe	6.10E+03	1.09E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Fe	6.04E+03	1.08E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Fe	5.79E+03	1.04E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Fe	5.49E+03	9.83E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Fe	4.98E+03	8.91E-05	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	K	3.70E+07	9.46E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	3.31E+07	8.47E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	3.30E+07	8.44E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	3.29E+07	8.41E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	3.16E+07	8.08E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	3.14E+07	8.03E-01	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	K	3.10E+07	7.93E-01	AP105-2	Y	Statistical average of 13 individual tank samples and 2 composite samples, and represents the "nominal value" for this analyte.
P-3	Raw	K	3.08E+07	7.86E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	3.05E+07	7.79E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	3.02E+07	7.72E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	3.00E+07	7.67E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	2.99E+07	7.65E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	2.95E+07	7.53E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	2.91E+07	7.44E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	2.90E+07	7.42E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	K	2.83E+07	7.24E-01	AP105-2	Y	Average of Primary and Duplicate results
L	HTCE Inv.	K	7.58E+06	1.94E-01	NA	N	HTCE
P-3	Raw	Na	1.93E+08	8.39E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.90E+08	8.26E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.74E+08	7.57E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.72E+08	7.48E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.71E+08	7.43E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.71E+08	7.43E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.69E+08	7.35E+00	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	Na	1.67E+08	7.26E+00	AP105-2	Y	Added, Statistical average of 13 individual tank samples and 2 composite samples, and represents the "nominal value" for this analyte.
P-3	Raw	Na	1.67E+08	7.26E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.65E+08	7.15E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.62E+08	7.04E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.62E+08	7.04E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.50E+08	6.52E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.49E+08	6.48E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.49E+08	6.46E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Na	1.46E+08	6.35E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NH3	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Less than value

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Nickel	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	< 1.63E+04	UG/L
Ni2 +	NA	NA	NA	NA	NA	NA	1.33	5.63E-03	Mole/L
Nickel	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	1.23E+04	UG/L
Nickel	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	1.20E+04	UG/L
Nickel	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	1.19E+04	UG/L
Nickel	3/1/93	NA	3/10/93	B0B3D2	NS	G379	1.329	1.14E+04	UG/L
Nickel	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	1.12E+04	UG/L
Ni	3/1/93	NA	3/10/93	NS	NS	NS	1.336	11	ug/mL
Nickel	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	1.10E+04	UG/L
Nickel	3/1/93	NA	3/10/93	B0B3D1	NS	G378	1.334	1.10E+04	UG/L
Nickel	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	1.09E+04	UG/L
Nickel	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	1.08E+04	UG/L
Nickel	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	1.05E+04	UG/L
Nickel	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	9.70E+03	UG/L
Nickel	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	9.61E+03	UG/L
Nickel	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	8.99E+03	UG/L
Nitrite	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	9.86E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	6.23E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	6.21E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	5.77E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	5.48E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	5.35E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	5.05E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	5.00E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B0B3D2	NA	G379	1.329	4.90E+04	ug/mL
NO ₂ ⁻	3/1/93	NA	3/10/93	NA	NA	NA	1.336	48800	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	4.88E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B0B3D1	NA	G378	1.334	4.88E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	4.84E+04	ug/mL
NO ₂ ⁻	3/1/93	NA	3/10/93	NA	NA	NA	1.336	48300	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	4.66E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	4.62E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	NA	G250	G422	1.348	4.58E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	NA	G250	G422	1.348	4.56E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	4.21E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	4.21E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	4.18E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	4.01E+04	ug/mL
NO ₂ ⁻	NA	NA	NA	NA	NA	NA	1.33	8.04E-01	Mole/L
Nitrite	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	3.67E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	3.60E+04	ug/mL
Nitrite	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	2.33E+04	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	3.39E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	2.23E+05	ug/mL

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P-3	Raw	Ni	< 1.63E+04	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
L	HTCE Inv.	Ni	3.30E+05	5.62E-03	NA	N	HTCE
P-3	Raw	Ni	1.23E+04	2.10E-04	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Ni	1.20E+04	2.04E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ni	1.19E+04	2.03E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ni	1.14E+04	1.93E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ni	1.12E+04	1.91E-04	AP105-2	NR	Average of Primary and Duplicate results
P	Raw	Ni	1.10E+04	1.87E-04	AP105-2	NR	
P-3	Raw	Ni	1.10E+04	1.87E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ni	1.10E+04	1.87E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ni	1.09E+04	1.86E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ni	1.08E+04	1.84E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ni	1.05E+04	1.78E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ni	9.70E+03	1.65E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ni	9.61E+03	1.64E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Ni	8.99E+03	1.53E-04	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	NO ₂	9.86E+07	2.14E+00	AP105-2	Y	Average of Primary and Duplicate results; Possible outlier
P-3	Raw	NO ₂	6.23E+07	1.35E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	6.21E+07	1.35E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	5.77E+07	1.25E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	5.48E+07	1.19E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	5.35E+07	1.16E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	5.05E+07	1.10E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	5.00E+07	1.09E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	4.90E+07	1.06E+00	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	NO ₂	4.88E+07	1.06E+00	AP105-2	Y	Average of all 30 or more sample results, including outliers
P-3	Raw	NO ₂	4.88E+07	1.06E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	4.88E+07	1.06E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	4.84E+07	1.05E+00	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	NO ₂	4.83E+07	1.05E+00	AP105-2	Y	Average of 30 or fewer sample results with outliers removed; represents "nominal value"
P-3	Raw	NO ₂	4.66E+07	1.01E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	4.62E+07	1.00E+00	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	4.58E+07	9.96E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	4.56E+07	9.91E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	4.21E+07	9.15E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	4.21E+07	9.14E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	4.18E+07	9.08E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	4.01E+07	8.71E-01	AP105-2	Y	Average of Primary and Duplicate results
L	HTCE Inv.	NO ₂	3.70E+07	8.04E-01	NA	N	HTCE
P-3	Raw	NO ₂	3.67E+07	7.97E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	3.60E+07	7.83E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₂	2.33E+07	5.07E-01	AP105-2	Y	Average of Primary and Duplicate results; Possible outlier
P-3	Raw	NO ₃	3.39E+08	5.47E+00	AP105-2	Y	Average of Primary and Duplicate results; Possible outlier
P-3	Raw	NO ₃	2.23E+08	3.60E+00	AP105-2	Y	Average of Primary and Duplicate results

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Nitrate	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	2.19E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	2.17E+05	ug/mL
NO3-	NA	NA	NA	NA	NA	NA	1.33	3.31E+00	Mole/L
Nitrate	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	1.98E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	1.94E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B083D2	NA	G379	1.329	1.70E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B083D1	NA	G378	1.334	1.70E+05	ug/mL
NO ₃ ⁻	3/1/93	NA	3/10/93	NA	NA	NA	1.336	168000	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	1.68E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	1.67E+05	ug/mL
NO ₃ ⁻	3/1/93	NA	3/10/93	NA	NA	NA	1.336	165000	ug/mL
Nitrate	3/1/93	NA	3/10/93	NA	G250	G422	1.348	1.61E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B083C8	G248	G417	1.327	1.61E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	NA	G250	G422	1.348	1.60E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	1.58E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	1.52E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	1.45E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	1.45E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	1.32E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	1.32E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	1.28E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B083C9	G249	G418	1.3	1.25E+05	ug/mL
Nitrate	3/1/93	NA	3/10/93	B083C9	G249	G418	1.3	8.18E+04	ug/mL
OH	3/1/93	NA	3/10/93	NA	NA	NA	1.336	5.48E+04	ug/mL
OH	3/1/93	NA	3/10/93	NA	NA	NA	1.336	5.31E+04	ug/mL
Lead	3/1/93	NA	3/10/93	B083C8	G248	G417	1.327	< 7.75E+04	UG/L
Lead	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	< 5.21E+03	UG/L
Pb2 +	NA	NA	NA	NA	NA	NA	1.33	9.02E-05	Mole/L
Lead	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	7.62E+03	UG/L
Lead	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	5.66E+03	UG/L
Lead	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	5.58E+03	UG/L
Lead	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	5.50E+03	UG/L
Pb	3/1/93	NA	3/10/93	NS	NS	NS	1.336	5.39	ug/mL
Lead	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	5.34E+03	UG/L
Lead	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	5.29E+03	UG/L
Lead	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	5.26E+03	UG/L
Lead	3/1/93	NA	3/10/93	B083D2	NS	G379	1.329	5.02E+03	UG/L
Lead	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	4.78E+03	UG/L
Lead	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	4.76E+03	UG/L
Lead	3/1/93	NA	3/10/93	B083D1	NS	G378	1.334	4.51E+03	UG/L
Lead	3/1/93	NA	3/10/93	B083C9	G249	G418	1.3	4.19E+03	UG/L
Phosphate	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	< 4.01E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	< 1.00E+02	ug/mL

Code	Analyte Information				Reference Number	Validated (Y/N)	Notes
	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)			
-3	Raw	NO ₃	2.19E+08	3.53E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	2.17E+08	3.49E+00	AP105-2	Y	Average of Primary and Duplicate results
L	HTCE Inv.	NO ₃	2.05E+08	3.31E+00	NA	N	HTCE
-3	Raw	NO ₃	1.98E+08	3.19E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.94E+08	3.12E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.70E+08	2.74E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.70E+08	2.73E+00	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	NO ₃	1.68E+08	2.71E+00	AP105-2	Y	Average of all 30 or more sample results, including outliers
-3	Raw	NO ₃	1.68E+08	2.71E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.67E+08	2.69E+00	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	NO ₃	1.65E+08	2.66E+00	AP105-2	Y	Average of 30 or fewer sample results with outliers removed; represents "nominal value"
-3	Raw	NO ₃	1.61E+08	2.60E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.61E+08	2.59E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.60E+08	2.58E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.58E+08	2.55E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.52E+08	2.45E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.45E+08	2.33E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.45E+08	2.33E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.32E+08	2.13E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.32E+08	2.12E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.28E+08	2.06E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	1.25E+08	2.01E+00	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	NO ₃	8.18E+07	1.32E+00	AP105-2	Y	Average of Primary and Duplicate results; Possible outlier
P	Raw	OH	5.48E+07	3.22E+00	AP105-2	Y	Added, average of Primary and duplicate results
P	Raw	OH	5.31E+07	3.12E+00	AP105-2	Y	Added, average of Primary and duplicate results
-3	Raw	Pb	< 7.75E+04	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	Pb	< 5.21E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
L	HTCE Inv.	Pb	1.87E+04	9.02E-05	NA	N	HTCE
-3	Raw	Pb	7.62E+03	3.68E-05	AP105-2	Y	Average of Primary and Duplicate results
-3	Raw	Pb	5.66E+03	2.73E-05	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	Pb	5.58E+03	2.69E-05	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	Pb	5.50E+03	2.65E-05	AP105-2	NR	Average of Primary and Duplicate results
P	Raw	Pb	5.39E+03	2.60E-05	AP105-2	NR	
-3	Raw	Pb	5.34E+03	2.57E-05	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	Pb	5.29E+03	2.55E-05	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	Pb	5.26E+03	2.54E-05	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	Pb	5.02E+03	2.42E-05	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	Pb	4.78E+03	2.31E-05	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	Pb	4.76E+03	2.30E-05	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	Pb	4.51E+03	2.18E-05	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	Pb	4.19E+03	2.02E-05	AP105-2	NR	Average of Primary and Duplicate results
-3	Raw	PO ₄	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Less than values
-3	Raw	PO ₄	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Less than values

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Phosphate	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	< 4.01E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	< 5.10E+01	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	< 4.01E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	< 8.61E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	< 1.00E+02	ug/mL
PO43-	NA	NA	NA	NA	NA	NA	1.33	1.59E-01	Mole/L
Phosphate	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	2.36E+03	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	6.76E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	5.98E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	5.81E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	5.68E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	5.51E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	5.48E+02	ug/mL
PO ₄ ³⁻	3/1/93	NA	3/10/93	NA	NA	NA	1.336	538	ug/mL
Phosphate	3/1/93	NA	3/10/93	NA	G250	G422	1.348	4.90E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	4.78E+02	ug/mL
PO ₄ ³⁻	3/1/93	NA	3/10/93	NA	NA	NA	1.336	440	ug/mL
Phosphate	3/1/93	NA	3/10/93	NA	G250	G422	1.348	4.26E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	4.23E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	4.02E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	3.75E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	3.68E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	3.25E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B0B3D1	NA	G378	1.334	3.01E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B0B3D2	NA	G379	1.329	3.00E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	2.80E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	2.47E+02	ug/mL
Phosphate	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	2.16E+02	ug/mL
Antimony	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	< 5.61E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	< 5.25E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	< 5.25E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	< 5.25E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	< 5.25E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	< 5.25E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	< 5.25E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	< 5.25E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B0B3D1	NS	G378	1.334	< 5.25E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B0B3D2	NS	G379	1.329	< 5.25E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	< 2.63E+03	UG/L
Antimony	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	< 1.29E+04	UG/L
Antimony	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	< 1.29E+04	UG/L
Antimony	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	6.76E+03	UG/L
Selenium	3/1/93	NA	3/10/93	B0B3D1	NS	G378	1.334	2.50E-01	ug/mL

Code	Source	Analyte Information			Reference Number	Validated (Y/N)	Notes
		Analyte	Conc. (ug/L)	Conc. (mol/L)			
P-3	Raw	PO ₄	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Less than values
P-3	Raw	PO ₄	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Less than values
P-3	Raw	PO ₄	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Less than values
P-3	Raw	PO ₄	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Less than values
P-3	Raw	PO ₄	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results
L	HTCE Inv.	PO ₄	1.51E+07	1.58E-01	NA	N	HTCE
P-3	Raw	PO ₄	2.36E+06	2.48E-02	AP105-2	Y	Average of Primary and Duplicate results; Possible outlier
P-3	Raw	PO ₄	6.76E+05	7.12E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	5.98E+05	6.29E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	5.81E+05	6.12E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	5.68E+05	5.97E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	5.51E+05	5.80E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	5.48E+05	5.77E-03	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	PO ₄	538000	5.66E-03	AP105-2	Y	Average of all 30 or more sample results, including outliers
P-3	Raw	PO ₄	4.90E+05	5.16E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	4.78E+05	5.03E-03	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	PO ₄	440000	4.63E-03	AP105-2	Y	Average of 30 or fewer sample results with outliers removed; represents "nominal value"
P-3	Raw	PO ₄	4.26E+05	4.48E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	4.23E+05	4.45E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	4.02E+05	4.23E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	3.75E+05	3.95E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	3.68E+05	3.87E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	3.25E+05	3.42E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	3.01E+05	3.17E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	3.00E+05	3.15E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	2.80E+05	2.94E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	2.47E+05	2.59E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	PO ₄	2.16E+05	2.27E-03	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Sb	< 5.61E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 5.25E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 5.25E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 5.25E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 5.25E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 5.25E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 5.25E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 5.25E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 5.25E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 5.25E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 2.63E+03	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 1.29E+04	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	< 1.29E+04	#VALUE!	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Sb	6.76E+03	5.55E-05	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Se	2.50E+02	3.17E-06	AP105-2	NR	Average of Primary and Duplicate results

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Selenium	3/1/93	NA	3/10/93	B0B3D2	NS	G379	1.329	2.50E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B0B3D2	NS	G379	1.329	2.50E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	1.95E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	1.61E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	1.61E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	1.60E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	1.59E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	1.59E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	1.43E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	1.36E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	1.32E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	1.28E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	1.26E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	1.25E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	1.19E-01	ug/mL
Selenium	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	1.17E-01	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	< 1.01E+02	ug/mL
Sulfate	3/1/93	NA	3/10/93	B0B3D1	NS	G378	1.334	< 1.01E+02	ug/mL
Sulfate	3/1/93	NA	3/10/93	B0B3D2	NS	G379	1.329	< 1.01E+02	ug/mL
SO42-	NA	NA	NA	NA	NA	NA	1.33	1.75E-01	Mole/L
Sulfate	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	1.20E+04	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	4.88E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	4.28E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	4.04E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B0B3C9	G249	G418	1.3	3.39E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	3.33E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B0B3D1	NA	G378	1.334	3.24E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	3.20E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	3.00E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	2.94E+03	ug/mL
SO ₄ ²⁻	3/1/93	NA	3/10/93	NA	NA	NA	1.336	2610	ug/mL
SO ₄ ²⁻	3/1/93	NA	3/10/93	NA	NA	NA	1.336	2420	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	2.31E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B0B3C8	G248	G417	1.327	2.20E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	NA	G250	G422	1.348	2.07E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	1.97E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B0B3D2	NA	G379	1.329	1.97E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	1.77E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	1.68E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	1.52E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	NA	G250	G422	1.348	1.37E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	NA	G250	G422	1.348	1.34E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	1.27E+03	ug/mL
Sulfate	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	1.13E+03	ug/mL

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P-3	Raw	Se	2.50E+02	3.17E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.95E+02	2.46E-06	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	Se	1.61E+02	2.04E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.61E+02	2.03E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.60E+02	2.03E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.59E+02	2.01E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.59E+02	2.01E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.43E+02	1.81E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.36E+02	1.72E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.32E+02	1.67E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.28E+02	1.61E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.26E+02	1.59E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.25E+02	1.58E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.19E+02	1.50E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	Se	1.17E+02	1.48E-06	AP105-2	NR	Average of Primary and Duplicate results
P-3	Raw	SO ₄	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Less than values
P-3	Raw	SO ₄	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Less than values
P-3	Raw	SO ₄	#VALUE!	#VALUE!	AP105-2	N	Average of Primary and Duplicate results; Less than values
L	HTCE Inv.	SO ₄	1.68E+07	1.75E-01	NA	N	HTCE
P-3	Raw	SO ₄	1.20E+07	1.25E-01	AP105-2	Y	Average of Primary and Duplicate results; Possible outlier
P-3	Raw	SO ₄	4.88E+06	5.08E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	4.28E+06	4.45E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	4.04E+06	4.21E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	3.39E+06	3.53E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	3.33E+06	3.47E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	3.24E+06	3.37E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	3.20E+06	3.33E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	3.00E+06	3.12E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	2.94E+06	3.06E-02	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	SO ₄	2.61E+06	2.72E-02	AP105-2	Y	Average of all 30 or more sample results, including outliers
P	Raw	SO ₄	2.42E+06	2.52E-02	AP105-2	Y	Average of 30 or fewer sample results with outliers removed; represents "nominal value"
P-3	Raw	SO ₄	2.31E+06	2.40E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	2.20E+06	2.29E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	2.07E+06	2.16E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	1.97E+06	2.05E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	1.97E+06	2.05E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	1.77E+06	1.84E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	1.68E+06	1.75E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	1.52E+06	1.58E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	1.37E+06	1.43E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	1.34E+06	1.40E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	1.27E+06	1.32E-02	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	SO ₄	1.13E+06	1.18E-02	AP105-2	Y	Average of Primary and Duplicate results

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Sulfate	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	4.42E+02	ug/mL
TOC wt% C (wet)	NA	NA	NA	NA	NA	NA	1.33	8.01E-01	wt%
TOC	11/11/92	NS	NS	T3635	NS	NS	1.44	3.75	g/L
TOC	11/11/92	NS	NS	T3789	NS	NS	1.426	3.61	g/L
Total organic carbon	3/1/93	NA	3/10/93	B08VX4	G238	G401	1.389	3.24E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B083D2	NA	G379	1.329	3.03E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B08VX5	G240	G402	1.338	3.01E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	3.00E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B083C9	G249	G418	1.3	2.99E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B08VX6	G241	G407	1.338	2.85E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B08VX0	G251	G391	1.344	2.83E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	NA	G250	G422	1.348	2.80E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	2.80E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B08VX7	G243	G409	1.298	2.77E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B083D1	NA	G378	1.334	2.77E+03	ug/mL
TOC	3/1/93	NA	3/10/93	NA	NA	NA	1.336	2750	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B08VX3	G271	G397	1.3	2.75E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B08VX2	G254	G396	1.298	2.72E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B083C8	G248	G417	1.327	2.62E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B08VX9	G245	G413	1.335	2.53E+03	ug/mL
TOC	11/11/92	NS	NS	T3954	NS	NS	1.1963	2.32	g/L
Total organic carbon	3/1/93	NA	3/10/93	B08VX1	G253	G392	1.341	2.26E+03	ug/mL
Total organic carbon	3/1/93	NA	3/10/93	B08VX8	G244	G412	1.377	1.85E+03	ug/mL
U	3/1/93	NA	3/10/93	NA	NA	G379	1.329	4.86E+01	ug/mL
U	3/1/93	NA	3/10/93	NA	NA	G378	1.334	3.58E+01	ug/mL

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P-3	Raw	SO ₄	4.42E+05	4.60E-03	AP105-2	Y	Average of Primary and Duplicate results; Possible outlier
L	HTCE Inv.	TOC	1.07E+07	NS	NA	N	HTCE
L	Raw	TOC	3.75E+06	NS	AP105-1	N	Analysis of evaporator slurry samples. The evaporator slurry analysis represents only a "sanpshot", and does not represent the final composition of the waste in 105-AP
L	Raw	TOC	3.61E+06	NS	AP105-1	N	Analysis of evaporator slurry samples. The evaporator slurry analysis represents only a "sanpshot", and does not represent the final composition of the waste in 105-AP
P-3	Raw	TOC	3.24E+06	2.70E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	3.03E+06	2.52E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	3.01E+06	2.50E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	3.00E+06	2.50E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	2.99E+06	2.49E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	2.85E+06	2.37E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	2.83E+06	2.35E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	2.80E+06	2.33E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	2.80E+06	2.33E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	2.77E+06	2.31E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	2.77E+06	2.30E-01	AP105-2	Y	Average of Primary and Duplicate results
P	Raw	TOC	2.75E+06	NA	AP105-2	Y	Statistical average of 13 individual tank samples and 2 composite samples, and represents the "nominal value" for this analyte
P-3	Raw	TOC	2.75E+06	2.29E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	2.72E+06	2.27E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	2.62E+06	2.18E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	2.53E+06	2.10E-01	AP105-2	Y	Average of Primary and Duplicate results
L	Raw	TOC	2.32E+06	NS	AP105-1	N	Analysis of evaporator slurry samples. The evaporator slurry analysis represents only a "sanpshot", and does not represent the final composition of the waste in 105-AP
P-3	Raw	TOC	2.26E+06	1.88E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	TOC	1.85E+06	1.54E-01	AP105-2	Y	Average of Primary and Duplicate results
P-3	Raw	U	4.86E+04	2.04E-04	AP105-2	Y	Average of Primary and Duplicate results; Composite sample
P-3	Raw	U	3.58E+04	1.50E-04	AP105-2	Y	Average of Primary and Duplicate results; Composite sample

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Al	4/29/85	4/21/85	NA	T5350	NA	NA	1.028	< 8.09E-03	Moles/L
Aluminum	12/19/91	7/17/90	6/28/90	NA	NA	R8795	1.540	1.300E+00	M
Aluminum	12/19/91	7/17/90	6/28/90	NA	NA	R8796	1.540	1.280E+00	M
Al	9/18/86	NA	6/23/86	T621	NS	NS	1.440	1.14	Moles/L
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4798	R7897	1.560	1.105E+00	M
Al	9/18/86	NA	7/2/86	R9896	NA	NA	1.500	1.06	Moles/L
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4794	R7891	1.570	1.050E+00	M
Al	9/18/86	NA	6/26/86	R9894	NA	NA	1.490	1.05	Moles/L
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4793	R7890	1.535	1.045E+00	M
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4802	R7887 / R7903	1.550	1.045E+00	M
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4801	R7902	1.560	1.040E+00	M
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4800	R7901	1.560	1.040E+00	M
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4796	R7895	1.625	1.035E+00	M
Al	6/28/90	NA	NA	n/a	NA	NA	1.560	1.033	Moles/L
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4799	R7898	1.555	1.030E+00	M
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4792	R7889	1.530	1.030	M
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4797	R7896	1.560	1.015E+00	M
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4803	R7888 / R7904	1.575	1.008E+00	M
Al3+	NA	NA	NA	NA	NA	NA	1.39	1.00E+00	Mole/L
Al	9/18/86	NA	6/30/86	R9895	NA	NA	1.540	0.96	Moles/L
Aluminum	12/19/91	7/17/90	6/28/90	NA	R4795	R7894	1.540	9.510E-01	M
Al	12/30/81	NA	NA	T1048	NA	NA	1.324	0.824	Moles
Al	12/30/81	NA	NA	T1049	NA	NA	1.329	0.799	Moles
Al	9/18/86	NA	6/23/86	R9893	NA	NA	1.370	0.79	Moles/L
Al	9/18/86	NA	7/6/86	R9897	NA	NA	1.460	0.76	Moles/L
Al	9/18/86	NA	6/26/86	T686	NS	NS	1.310	0.75	Moles/L
Al ³⁺	4/3/84	NA	NA	R9414	NA	NA	1.330	0.33	Moles/L
Al ³⁺	4/3/84	NA	NA	R9408	NA	NA	1.330	0.33	Moles/L
Al	9/18/86	NA	6/30/86	T812	NS	NS	1.130	0.3	Moles/L
Al	9/18/86	NA	7/2/86	T882	NS	NS	1.320	0.28	Moles/L
Al ³⁺	11/20/84	NA	NA	R2644	NS	NS	NS	0.074	Moles/L
Al	2/20/86	11/14/85	NA	T2641	NS	NS	1.010	0.057	Moles/L
Al	2/20/86	11/14/85	NA	T2601	NS	NS	1.010	0.045	Moles/L
Al	8/18/85	8/18/85	NA	T9368	NA	NA	1.040	0.0441	Moles/L
Al ³⁺	11/20/84	NA	NA	R2645	NS	NS	NS	0.0104	Moles/L
Al	4/29/86	3/30/86	NA	T7697	NS	NS	0.993	0.002	Moles/L
Al	4/29/86	3/30/86	NA	T7698	NS	NS	0.993	0.002	Moles/L
Arsenic	12/19/91	7/17/90	6/28/90	NA	NA	R8798	1.540	<1.33E-07	M
Barium	12/19/91	7/17/90	6/28/90	NA	NA	R8796	1.540	<2.60E-06	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4801	R7902	1.560	< 6.62E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4800	R7901	1.560	< 6.62E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4799	R7898	1.555	< 6.62E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4798	R7897	1.560	< 6.62E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4797	R7896	1.560	< 6.62E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4796	R7895	1.625	< 6.62E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4795	R7894	1.540	< 8.81E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4794	R7891	1.570	< 6.62E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4793	R7890	1.535	< 6.62E-05	M

Code	Source	Analyte Information			Reference Number	Validated (Y/N)	Notes
		Analyte	Conc. (ug/L)	Conc. (mol/L)			
P	Raw	Al	#VALUE!	#VALUE!	AW101-3	N	Waste no longer in tank
P	Raw	Al	3.51E+07	1.30E+00	AW101-10	Y	Composite Sample
P	Raw	Al	3.45E+07	1.28E+00	AW101-10	Y	Composite Sample
P	Raw	Al	3.08E+07	1.14E+00	AW101-4	N	Evaporator feed sample
P-3	Raw	Al	2.98E+07	1.11E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
F	Raw	Al	2.86E+07	1.06E+00	AW101-4	Y	
P-3	Raw	Al	2.83E+07	1.05E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
F	Raw	Al	2.83E+07	1.05E+00	AW101-4	Y	
P-3	Raw	Al	2.82E+07	1.05E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
P-3	Raw	Al	2.82E+07	1.05E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
P-3	Raw	Al	2.81E+07	1.04E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
P-3	Raw	Al	2.81E+07	1.04E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
P-3	Raw	Al	2.79E+07	1.04E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
P	Raw	Al	2.79E+07	1.03E+00	AW101-10	Y	Avg of 12 samples
P-3	Raw	Al	2.78E+07	1.03E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
P-3	Raw	Al	2.78E+07	2.32E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
P-3	Raw	Al	2.74E+07	1.02E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
P-3	Raw	Al	2.72E+07	1.01E+00	AW101-10	Y	Avg of 2 samples (primary and duplicate)
L	HTCE Inv.	Al	2.70E+07	1.00E+00	NA	N	HTCE
F	Raw	Al	2.59E+07	9.60E-01	AW101-4	Y	
P-3	Raw	Al	2.57E+07	9.51E-01	AW101-10	Y	Avg of 2 samples (primary and duplicate)
P	Raw	Al	2.22E+07	8.24E-01	AW101-2	N	Waste no longer in tank
P	Raw	Al	2.16E+07	7.99E-01	AW101-1	N	Waste no longer in tank
F	Raw	Al	2.13E+07	7.90E-01	AW101-4	Y	
F	Raw	Al	2.05E+07	7.60E-01	AW101-4	Y	
P	Raw	Al	2.02E+07	7.50E-01	AW101-4	N	Evaporator feed sample
P	Raw	Al	8.90E+06	3.30E-01	AW101-2	N	Waste no longer in tank
P	Raw	Al	8.90E+06	3.30E-01	AW101-2	N	Waste no longer in tank
P	Raw	Al	8.09E+06	3.00E-01	AW101-4	N	Evaporator feed sample
P	Raw	Al	7.55E+06	2.80E-01	AW101-4	N	Evaporator feed sample
P	Raw	Al	2.00E+06	7.40E-02	AW101-2	N	Waste no longer in tank
P	Raw	Al	1.54E+06	5.70E-02	AW101-4	N	Waste no longer in tank
P	Raw	Al	1.21E+06	4.50E-02	AW101-4	N	Waste no longer in tank
P	Raw	Al	1.19E+06	4.41E-02	AW101-3	N	Waste no longer in tank
P	Raw	Al	2.81E+05	1.04E-02	AW101-2	N	Waste no longer in tank
P	Raw	Al	5.40E+04	2.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	Al	5.40E+04	2.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	As	#VALUE!	#VALUE!	AW101-10	Y	< Values
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	N	< Values
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Barium	12/19/91	7/17/90	6/28/90	NA	R4792	R7889	1.530	< 6.62E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4803	R7888 / R7904	1.575	< 6.62E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	R4802	R7887 / R7903	1.550	< 6.62E-05	M
Barium	12/19/91	7/17/90	6/28/90	NA	NA	R8795	1.540	6.250E-06	M
Calcium	12/19/91	7/17/90	6/28/90	NA	R4796	R7895	1.625	2.565E-03	M
Calcium	12/19/91	7/17/90	6/28/90	NA	R4798	R7897	1.560	1.735E-03	M
Calcium	12/19/91	7/17/90	6/28/90	NA	R4795	R7894	1.540	1.460E-03	M
Calcium	12/19/91	7/17/90	6/28/90	NA	R4797	R7896	1.560	5.575E-04	M
Ca	6/23/86	NS	NS	NS	NS	NS	1.37	0.00158	Wt%
Ca	9/18/86	NS	NS	NS	NS	NS	1.53	0.00136	Wt%
Ca	6/26/86	NS	NS	NS	NS	NS	1.49	0.00139	Wt%
Calcium	12/19/91	7/17/90	6/28/90	NA	R4800	R7901	1.560	5.065E-04	M
Calcium	12/19/91	7/17/90	6/28/90	NA	R4799	R7898	1.555	4.955E-04	M
Calcium	12/19/91	7/17/90	6/28/90	NA	R4802	R7887 / R7903	1.550	4.680E-04	M
Ca	7/2/86	NS	NS	NS	NS	NS	1.5	0.00124	Wt%
Calcium	12/19/91	7/17/90	6/28/90	NA	R4793	R7890	1.535	4.480E-04	M
Calcium	12/19/91	7/17/90	6/28/90	NA	R4803	R7888 / R7904	1.575	4.265E-04	M
Calcium	12/19/91	7/17/90	6/28/90	NA	R4794	R7891	1.570	4.180E-04	M
Calcium	12/19/91	7/17/90	6/28/90	NA	R4792	R7889	1.530	4.150E-04	M
Calcium	12/19/91	7/17/90	6/28/90	NA	R4801	R7902	1.560	4.140E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4801	R7902	1.560	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4800	R7901	1.560	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4799	R7898	1.555	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4798	R7897	1.560	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4797	R7896	1.560	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4796	R7895	1.625	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4795	R7894	1.540	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4794	R7891	1.570	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4793	R7890	1.535	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4792	R7889	1.530	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4803	R7888 / R7904	1.575	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	R4802	R7887 / R7903	1.550	< 1.08E-04	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	NA	R8795	1.540	6.280E-05	M
Cadmium	12/19/91	7/17/90	6/28/90	NA	NA	R8796	1.540	5.470E-05	M
Cl	9/18/86	NA	6/26/86	R9894	NA	NA	1.490	0.23	Moles/L
Cl	9/18/86	NA	6/23/86	T621	NS	NS	1.440	0.18	Moles/L
Cl	9/18/86	NA	6/30/86	R9895	NA	NA	1.540	0.18	Moles/L
Cl	9/18/86	NA	7/2/86	R9896	NA	NA	1.500	0.17	Moles/L
Chloride	12/19/91	7/17/90	6/28/90	NA	NA	R8801	1.540	1.690E-01	M
Chloride	12/19/91	7/17/90	6/28/90	NA	R4801	R7923 / R7942	1.560	1.600E-01	M
Chloride	12/19/91	7/17/90	6/28/90	NA	R4803	R7927 / R7944	1.575	1.595E-01	M
Chloride	12/19/91	7/17/90	6/28/90	NA	R4800	R7922 / R7941	1.560	1.595E-01	M
Chloride	12/19/91	7/17/90	6/28/90	NA	R4799	R7921 / R7940	1.555	1.595E-01	M
Chloride	12/19/91	7/17/90	6/28/90	NA	NA	R8802	1.540	1.540E-01	M
Chloride	12/19/91	7/17/90	6/28/90	NA	R4802	R7926 / R7943	1.550	1.535E-01	M
Cl-	NA	NA	NA	NA	NA	NA	1.39	1.49E-01	Mole/L
Chloride	6/28/90	NA	NA	NA	NA	NA	1.560	0.146	Moles/L
Chloride	12/19/91	7/17/90	6/28/90	NA	R4798	R7920 / R7937	1.560	1.400E-01	M
Chloride	12/19/91	7/17/90	6/28/90	NA	R4797	R7919 / R7936	1.560	1.400E-01	M

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Ba	8.58E+02	6.25E-06	AW101-10	Y	Only one non < value
P-3	Raw	Ca	1.03E+05	2.57E-03	AW101-10	Y	Avg of 2 samples (primary and duplicate)
P	Raw	Ca	6.95E+04	1.74E-03	AW101-10	NR	
P	Raw	Ca	5.85E+04	1.46E-03	AW101-10	NR	
P	Raw	Ca	2.23E+04	5.58E-04	AW101-10	NR	
F	RAW	Ca	2.16E+04	5.39E-04	AW101-4	NR	
F	RAW	Ca	2.08E+04	5.19E-04	AW101-4	NR	
F	RAW	Ca	2.07E+04	5.16E-04	AW101-4	NR	
P	Raw	Ca	2.03E+04	5.07E-04	AW101-10	NR	
P	Raw	Ca	1.99E+04	4.96E-04	AW101-10	NR	
P	Raw	Ca	1.88E+04	4.68E-04	AW101-10	NR	
F	RAW	Ca	1.86E+04	4.64E-04	AW101-4	NR	
P	Raw	Ca	1.80E+04	4.48E-04	AW101-10	NR	
P	Raw	Ca	1.71E+04	4.27E-04	AW101-10	NR	
P	Raw	Ca	1.68E+04	4.18E-04	AW101-10	NR	
P	Raw	Ca	1.66E+04	4.15E-04	AW101-10	NR	
P	Raw	Ca	1.66E+04	4.14E-04	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Cd	7.06E+03	6.28E-05	AW101-10	Y	
P	Raw	Cd	6.15E+03	5.47E-05	AW101-10	Y	
F	Raw	Cl	8.15E+06	2.30E-01	AW101-4	Y	
P	Raw	Cl	6.38E+06	1.80E-01	AW101-4	N	Evaporator feed sample
F	Raw	Cl	6.38E+06	1.80E-01	AW101-4	Y	
F	Raw	Cl	6.03E+06	1.70E-01	AW101-4	Y	
P	Raw	Cl	5.99E+06	1.69E-01	AW101-10	Y	Composite Sample
P-3	Raw	Cl	5.67E+06	1.60E-01	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	5.65E+06	1.60E-01	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	5.65E+06	1.60E-01	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	5.65E+06	1.60E-01	AW101-10	Y	Average of Primary and Duplicate results
P	Raw	Cl	5.46E+06	1.54E-01	AW101-10	Y	Composite Sample
P-3	Raw	Cl	5.44E+06	1.54E-01	AW101-10	Y	Average of Primary and Duplicate results
L	HTCE Inv.	Cl	5.27E+06	1.49E-01	NA	N	HTCE
P	Raw	Cl	5.18E+06	1.46E-01	AW101-10	Y	Average of 12 samples
P-3	Raw	Cl	4.96E+06	1.40E-01	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	4.96E+06	1.40E-01	AW101-10	Y	Average of Primary and Duplicate results

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported U
Chloride	12/19/91	7/17/90	6/28/90	NA	R4793	R7913 / R7930	1.535	1.390E-01	M
Chloride	12/19/91	7/17/90	6/28/90	NA	R4792	R7912 / R7929	1.530	1.390E-01	M
Chloride	12/19/91	7/17/90	6/28/90	NA	R4794	R7914 / R7933	1.570	1.375E-01	M
Chloride	12/19/91	7/17/90	6/28/90	NA	R4796	R7916 / R7935	1.625	1.355E-01	M
Cl	9/18/86	NA	6/26/86	T686	NS	NS	1.310	0.13	Moles/L
Cl	9/18/86	NA	6/23/86	R9893	NA	NA	1.370	0.13	Moles/L
Chloride	12/19/91	7/17/90	6/28/90	NA	R4795	R7915 / R7934	1.540	1.290E-01	M
Cl	9/18/86	NA	7/6/86	R9897	NA	NA	1.460	0.12	Moles/L
Cl	9/18/86	NA	7/2/86	T882	NS	NS	1.320	0.11	Moles/L
Cl	9/18/86	NA	6/30/86	T812	NS	NS	1.130	0.04	Moles/L
Cl	8/18/85	8/18/85	NA	T9368	NA	NA	1.040	0.00754	Moles/L
Cl	2/20/86	11/14/85	NA	T2641	NS	NS	1.010	0.005	Moles/L
Cl	4/29/86	3/30/86	NA	T7697	NS	NS	0.993	0.002	Moles/L
Cl	4/29/86	3/30/86	NA	T7698	NS	NS	0.993	0.002	Moles/L
Cl	4/29/85	4/21/85	NA	T5350	NA	NA	1.028	0.00116	Moles/L
Chromium	12/19/91	7/17/90	6/28/90	NA	R4795	R7894	1.540	7.170E-03	M
Cr	9/18/86	NA	7/2/86	R9896	NA	NA	1.5	0.00513	M
Chromium	12/19/91	7/17/90	6/28/90	NA	NA	R8795	1.540	4.690E-03	M
Chromium	12/19/91	7/17/90	6/28/90	NA	NA	R8796	1.540	4.460E-03	M
Cr	9/18/86	NA	6/26/86	R9894	NA	NA	1.49	0.00433	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4796	R7895	1.625	4.260E-03	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4798	R7897	1.560	3.720E-03	M
Cr	9/18/86	NA	6/23/86	R9893	NA	NA	1.37	0.00275	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4803	R7888 / R7904	1.575	2.665E-03	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4799	R7898	1.555	2.625E-03	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4792	R7889	1.530	2.460E-03	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4797	R7896	1.560	2.450E-03	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4800	R7901	1.560	2.425E-03	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4794	R7891	1.570	2.415E-03	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4793	R7890	1.535	2.385E-03	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4801	R7902	1.560	2.270E-03	M
Chromium	12/19/91	7/17/90	6/28/90	NA	R4802	R7887 / R7903	1.550	2.210E-03	M
Fluoride	6/28/90	NA	NA	NA	NA	NA	1.560	< 4.015E-03	Moles/L
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4803	R7927 / R7944	1.575	< 1.795E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4802	R7926 / R7943	1.550	< 1.795E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4801	R7923 / R7942	1.560	< 3.535E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4800	R7922 / R7941	1.560	< 3.535E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4799	R7921 / R7940	1.555	< 3.535E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4798	R7920 / R7937	1.560	< 5.85E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4797	R7919 / R7936	1.560	< 4.11E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4796	R7916 / R7935	1.625	< 5.85E-03	M

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P-3	Raw	Cl	4.93E+06	1.39E-01	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	4.93E+06	1.39E-01	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	4.87E+06	1.38E-01	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	Cl	4.80E+06	1.36E-01	AW101-10	Y	Average of Primary and Duplicate results
P	Raw	Cl	4.61E+06	1.30E-01	AW101-4	N	Evaporator feed sample
F	Raw	Cl	4.61E+06	1.30E-01	AW101-4	Y	
P-3	Raw	Cl	4.57E+06	1.29E-01	AW101-10	Y	Average of Primary and Duplicate results
F	Raw	Cl	4.25E+06	1.20E-01	AW101-4	Y	
P	Raw	Cl	3.90E+06	1.10E-01	AW101-4	N	Evaporator feed sample
P	Raw	Cl	1.42E+06	4.00E-02	AW101-4	N	Evaporator feed sample
P	Raw	Cl	2.67E+05	7.54E-03	AW101-3	N	Waste no longer in tank
P	Raw	Cl	1.77E+05	5.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	Cl	7.09E+04	2.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	Cl	7.09E+04	2.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	Cl	4.11E+04	1.16E-03	AW101-3	N	Waste no longer in tank
P	Raw	Cr	3.73E+05	7.17E-03	AW101-10	Y	
F	RAW	Cr	2.67E+05	5.13E-03	AW101-4	Y	
P	Raw	Cr	2.44E+05	4.69E-03	AW101-10	Y	Composite Sample
P	Raw	Cr	2.32E+05	4.46E-03	AW101-10	Y	Composite Sample
F	RAW	Cr	2.25E+05	4.33E-03	AW101-4	Y	
P	Raw	Cr	2.22E+05	4.26E-03	AW101-10	Y	
P	Raw	Cr	1.93E+05	3.72E-03	AW101-10	Y	
F	RAW	Cr	1.43E+05	2.75E-03	AW101-4	Y	
P	Raw	Cr	1.39E+05	2.67E-03	AW101-10	Y	
P	Raw	Cr	1.36E+05	2.63E-03	AW101-10	Y	
P	Raw	Cr	1.28E+05	2.46E-03	AW101-10	Y	
P	Raw	Cr	1.27E+05	2.45E-03	AW101-10	Y	
P	Raw	Cr	1.26E+05	2.43E-03	AW101-10	Y	
P	Raw	Cr	1.26E+05	2.42E-03	AW101-10	Y	
P	Raw	Cr	1.24E+05	2.39E-03	AW101-10	Y	
P	Raw	Cr	1.18E+05	2.27E-03	AW101-10	Y	
P	Raw	Cr	1.15E+05	2.21E-03	AW101-10	Y	
P	Raw	F	#VALUE!	#VALUE!	AW101-10	N	< Value
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Units
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4795	R7915 / R7934	1.540	< 5.85E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4794	R7914 / R7933	1.570	< 4.11E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4793	R7913 / R7930	1.535	< 4.11E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	NA	R8801	1.540	< 1.06E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	NA	R8802	1.540	< 1.06E-03	M
Fluoride	12/19/91	7/17/90	6/28/90	NA	R4792	R7912 / R7929	1.530	< 4.11E-03	M
F-	NA	NA	NA	NA	NA	NA	1.39	1.82E-01	Mole/L
F	7/2/86	NS	NS	NS	NS	NS	1.500	0.14	Moles/L
F	9/18/86	NA	6/23/86	T621	NS	NS	1.440	0.09	Moles/L
F	6/23/86	NS	NS	NS	NS	NS	1.370	0.09	Moles/L
F	9/18/86	NA	6/26/86	T686	NS	NS	1.310	0.08	Moles/L
F	9/18/86	NA	7/2/86	T882	NS	NS	1.320	0.08	Moles/L
F	6/30/86	NS	NS	NS	NS	NS	1.540	0.08	Moles/L
F	6/26/86	NS	NS	NS	NS	NS	1.490	0.08	Moles/L
F	9/18/86	NA	7/6/86	R9897	NS	NS	1.460	0.07	Moles/L
F	9/18/86	NA	6/30/86	T812	NS	NS	1.130	0.04	Moles/L
F	8/18/85	8/18/85	NA	T9368	NA	NA	1.040	0.0148	Moles/L
F	2/20/86	11/14/85	NA	T2601	NS	NS	1.010	0.01	Moles/L
F	2/20/86	11/14/85	NA	T2641	NS	NS	1.010	0.01	Moles/L
F	4/29/86	3/30/86	NA	T7697	NS	NS	0.993	0.007	Moles/L
F	4/29/86	3/30/86	NA	T7698	NS	NS	0.993	0.007	Moles/L
F	11/9/84	NS	NS	R-3185	NS	NS	1.024	0.005	moles/l
F	11/9/84	NA	NA	R3185	NS	NS	1.024	0.005	Moles/L
F	4/29/85	4/21/85	NA	T5350	NA	NA	1.028	0.00484	Moles/L
Iron	6/28/90	NA	NA	NA	NA	NA	1.560	< 7.864E-04	Moles/L
Iron	12/19/91	7/17/90	6/28/90	NA	R4801	R7902	1.560	< 4.33E-04	M

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values
P-3	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Average of Primary and Duplicate results; < Values
P	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Composite Sample; < Values
P	Raw	F	#VALUE!	#VALUE!	AW101-10	N	Composite Sample; < Values
P	Raw	F	#VALUE!	#VALUE!	AW101-10	Y	highest less than
L	HTCE Inv.	F	3.45E+06	1.82E-01	NA	N	HTCE
F	Raw	F	2.66E+06	1.40E-01	AW101-4	N	Suspicious because feed and slurry samples (i.e. the liquid from the slurry samples) are all about the same. You can't see any evidence of concentrating in the evaporator
P	Raw	F	1.71E+06	9.00E-02	AW101-4	N	Evaporator feed sample
F	Raw	F	1.71E+06	9.00E-02	AW101-4	N	Suspicious because feed and slurry samples (i.e. the liquid from the slurry samples) are all about the same. You can't see any evidence of concentrating in the evaporator
P	Raw	F	1.52E+06	8.00E-02	AW101-4	N	Evaporator feed sample
P	Raw	F	1.52E+06	8.00E-02	AW101-4	N	Evaporator feed sample
F	Raw	F	1.52E+06	8.00E-02	AW101-4	N	Suspicious because feed and slurry samples (i.e. the liquid from the slurry samples) are all about the same. You can't see any evidence of concentrating in the evaporator
F	Raw	F	1.52E+06	8.00E-02	AW101-4	N	Suspicious because feed and slurry samples (i.e. the liquid from the slurry samples) are all about the same. You can't see any evidence of concentrating in the evaporator
F	Raw	F	1.33E+06	7.00E-02	AW101-4	N	Suspicious because feed and slurry samples (i.e. the liquid from the slurry samples) are all about the same. You can't see any evidence of concentrating in the evaporator
P	Raw	F	7.60E+05	4.00E-02	AW101-4	N	Evaporator feed sample
P	Raw	F	2.81E+05	1.48E-02	AW101-3	N	Waste no longer in tank
P	Raw	F	1.90E+05	1.00E-02	AW101-4	N	Waste no longer in tank
P	Raw	F	1.90E+05	1.00E-02	AW101-4	N	Waste no longer in tank
P	Raw	F	1.33E+05	7.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	F	1.33E+05	7.00E-03	AW101-4	N	Waste no longer in tank
P	Braun	F	9.50E+04	5.00E-03	NA	N	Waste no longer in tank
P	Raw	F	9.50E+04	5.00E-03	AW101-2	N	Waste no longer in tank
P	Raw	F	9.20E+04	4.84E-03	AW101-3	N	Waste no longer in tank
P	Raw	Fe	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Fe	#VALUE!	#VALUE!	AW101-10	NR	

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Iron	12/19/91	7/17/90	6/28/90	NA	R4800	R7901	1.560	< 4.33E-04	M
Iron	12/19/91	7/17/90	6/28/90	NA	R4799	R7898	1.555	< 4.33E-04	M
Iron	12/19/91	7/17/90	6/28/90	NA	R4797	R7896	1.560	< 4.33E-04	M
Iron	12/19/91	7/17/90	6/28/90	NA	R4794	R7891	1.570	< 4.33E-04	M
Iron	12/19/91	7/17/90	6/28/90	NA	R4793	R7890	1.535	< 4.33E-04	M
Iron	12/19/91	7/17/90	6/28/90	NA	R4792	R7889	1.530	< 4.33E-04	M
Iron	12/19/91	7/17/90	6/28/90	NA	R4803	R7888 / R7904	1.575	< 4.33E-04	M
Iron	12/19/91	7/17/90	6/28/90	NA	R4802	R7887 / R7903	1.550	< 4.33E-04	M
Fe ⁺³	4/3/84	NA	NA	R9414	NA	NA	1.370	0.024	Moles/L
Fe ⁺³	4/3/84	NA	NA	R9408	NA	NA	1.330	0.023	Moles/L
Fe3+ (total Fe)	NA	NA	NA	NA	NA	NA	1.39	6.83E-03	Mole/L
Iron	12/19/91	7/17/90	6/28/90	NA	R4796	R7895	1.625	2.120E-03	M
Iron	12/19/91	7/17/90	6/28/90	NA	R4795	R7894	1.540	1.830E-03	M
Iron	12/19/91	7/17/90	6/28/90	NA	R4798	R7897	1.560	1.590E-03	M
%H2O	12/19/91	7/17/90	6/28/90	NA	NA	R8799	NA	4.50E+01	wt%
%H2O	12/19/91	7/17/90	6/28/90	NA	NA	R8798	NA	4.22E+01	wt%
Mercury	12/19/91	7/17/90	6/28/90	NA	R4803	R7927 / R7944	1.575	< 1.10E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4802	R7926 / R7943	1.550	< 1.10E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4801	R7923 / R7942	1.560	< 1.65E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4800	R7922 / R7941	1.560	< 1.65E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4799	R7921 / R7940	1.555	< 1.65E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4798	R7920 / R7937	1.560	< 1.65E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4797	R7919 / R7936	1.560	< 1.65E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4796	R7916 / R7935	1.625	< 1.65E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4795	R7915 / R7934	1.540	< 1.65E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4794	R7914 / R7933	1.570	< 1.65E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4793	R7913 / R7930	1.535	< 1.65E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	R4792	R7912 / R7929	1.530	< 1.77E-01	mg/L
Mercury	12/19/91	7/17/90	6/28/90	NA	NA	R8798	1.540	3.340E-02	mg/L
Potassium	12/19/91	7/17/90	6/28/90	NA	R4792	R7889	1.530	1.435E+00	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4793	R7890	1.535	1.395E+00	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4794	R7891	1.570	1.320E+00	M
K	9/18/86	NA	7/6/86	R9897	NA	NA	1.460	1.27	Moles/L
Potassium	12/19/91	7/17/90	6/28/90	NA	NA	R8795	1.540	1.260E+00	M
Potassium	12/19/91	7/17/90	6/28/90	NA	NA	R8796	1.540	1.260E+00	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4798	R7897	1.560	1.095E+00	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4798	R7897	1.560	1.080E+00	M
Potassium	6/28/90	NA	NA	NA	NA	NA	1.560	1.068	Moles/L
K	9/18/86	NA	7/2/86	R9896	NA	NA	1.500	1.06	Moles/L
Potassium	12/19/91	7/17/90	6/28/90	NA	R4802	R7887 / R7903	1.550	9.960E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4794	R7891	1.570	9.910E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4796	R7895	1.625	9.910E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4793	R7890	1.535	9.885E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4800	R7901	1.560	9.880E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4796	R7895	1.625	9.870E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4801	R7902	1.560	9.715E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4792	R7889	1.530	9.595E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4801	R7902	1.560	9.555E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4799	R7898	1.555	9.490E-01	M

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	Fe	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Fe	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Fe	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Fe	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Fe	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Fe	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Fe	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Fe	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Fe	1.34E+06	2.40E-02	AW101-2	NR	
P	Raw	Fe	1.28E+06	2.30E-02	AW101-2	NR	
L	HTCE Inv.	Fe	3.81E+05	6.83E-03	NA	NR	
P	Raw	Fe	1.18E+05	2.12E-03	AW101-10	Y	highest valid data point for Fe
P	Raw	Fe	1.02E+05	1.83E-03	AW101-10	NR	
P	Raw	Fe	8.88E+04	1.59E-03	AW101-10	NR	
NA	Raw	H2O	NA	NA	AW101-10	Y	
NA	Raw	H2O	NA	NA	AW101-10	Y	
P-3	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	Average of Primary and Duplicate results
P-3	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	Average of Primary and Duplicate results
P-3	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	Average of Primary and Duplicate results
P-3	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	Average of Primary and Duplicate results
P-3	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	Average of Primary and Duplicate results
P-3	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	Average of Primary and Duplicate results
P-3	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	Average of Primary and Duplicate results
P-3	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	Average of Primary and Duplicate results
P-3	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	Average of Primary and Duplicate results
P-3	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	Average of Primary and Duplicate results
P	Raw	Hg	#VALUE!	#VALUE!	AW101-10	NR	
P	Raw	Hg	3.34E+01	1.67E-07	AW101-10	Y	Only non < value for Hg
P	Raw	K	5.61E+07	1.43E+00	AW101-10	Y	
P	Raw	K	5.45E+07	1.39E+00	AW101-10	Y	
P	Raw	K	5.16E+07	1.32E+00	AW101-10	Y	
F	Raw	K	4.97E+07	1.27E+00	AW101-4	Y	
P	Raw	K	4.93E+07	1.26E+00	AW101-10	Y	Composite Sample
P	Raw	K	4.93E+07	1.26E+00	AW101-10	Y	Composite Sample
P	Raw	K	4.28E+07	1.09E+00	AW101-10	Y	
P	Raw	K	4.22E+07	1.08E+00	AW101-10	Y	Rerun
P	Raw	K	4.18E+07	1.07E+00	AW101-10	Y	Avg of all 10 samples
F	Raw	K	4.14E+07	1.06E+00	AW101-4	Y	
P	Raw	K	3.89E+07	9.96E-01	AW101-10	Y	
P	Raw	K	3.87E+07	9.91E-01	AW101-10	Y	Rerun
P	Raw	K	3.87E+07	9.91E-01	AW101-10	Y	
P	Raw	K	3.86E+07	9.88E-01	AW101-10	Y	Rerun
P	Raw	K	3.86E+07	9.88E-01	AW101-10	Y	
P	Raw	K	3.86E+07	9.87E-01	AW101-10	Y	Rerun
P	Raw	K	3.80E+07	9.71E-01	AW101-10	Y	
P	Raw	K	3.75E+07	9.59E-01	AW101-10	Y	Rerun
P	Raw	K	3.74E+07	9.55E-01	AW101-10	Y	Rerun
P	Raw	K	3.71E+07	9.49E-01	AW101-10	Y	Rerun

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported U
Potassium	12/19/91	7/17/90	6/28/90	NA	R4803	R7888 / R7904	1.575	9.415E-01	M
K	9/18/86	NA	6/30/86	R9895	NA	NA	1.540	0.94	Moles/L
Potassium	12/19/91	7/17/90	6/28/90	NA	R4800	R7901	1.560	9.375E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4795	R7894	1.540	9.375E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4802	R7887 / R7903	1.550	9.155E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4799	R7898	1.555	8.990E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4803	R7888 / R7904	1.575	8.955E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4795	R7894	1.540	8.825E-01	M
Potassium	12/19/91	7/17/90	6/28/90	NA	R4797	R7896	1.560	8.710E-01	M
K	9/18/86	NA	6/26/86	R9894	NA	NA	1.490	0.87	Moles/L
Potassium	12/19/91	7/17/90	6/28/90	NA	R4797	R7896	1.560	8.430E-01	M
K	9/18/86	NA	7/2/86	T882	NS	NS	1.320	0.73	Moles/L
K	9/18/86	NA	6/26/86	T686	NS	NS	1.310	0.62	Moles/L
K	9/18/86	NA	6/23/86	R9893	NA	NA	1.370	0.59	Moles/L
K	9/18/86	NA	6/23/86	T621	NS	NS	1.440	0.58	Moles/L
K	9/18/86	NA	6/30/86	T812	NS	NS	1.130	0.33	Moles/L
K+	NA	NA	NA	NA	NA	NA	1.39	1.38E-01	Mole/L
K	4/29/86	3/30/86	NA	T7697	NS	NS	0.993	0.015	Moles/L
K	4/29/86	3/30/86	NA	T7698	NS	NS	0.993	0.011	Moles/L
K	11/9/84	NS	NS	R-3185	NS	NS	1.024	0.006	moles/l
K	11/9/84	NA	NA	R3185	NS	NS	1.024	0.006	Moles/L
K	4/29/85	4/21/85	NA	T5350	NA	NA	1.028	0.00279	Moles/L
K	8/18/85	8/18/85	NA	T9368	NA	NA	1.040	0.00274	Moles/L
K	2/20/86	11/14/85	NA	T2601	NS	NS	1.010	0.002	Moles
K	2/20/86	11/14/85	NA	T2641	NS	NS	1.010	0.002	Moles
Sodium	12/19/91	7/17/90	6/28/90	NA	NA	R8795	1.540	1.340E+01	M
Sodium	12/19/91	7/17/90	6/28/90	NA	NA	R8796	1.540	1.340E+01	M
Na	9/18/86	NA	7/2/86	R9896	NA	NA	1.5	11.2	M
Na	9/18/86	NA	6/26/86	R9894	NA	NA	1.49	11.1	M
Na	9/18/86	NA	6/30/86	R9895	NA	NA	1.54	10.9	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4793	R7890	1.535	1.040E+01	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4792	R7889	1.530	1.035E+01	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4798	R7897	1.560	1.025E+01	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4796	R7895	1.625	1.025E+01	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4800	R7901	1.560	1.020E+01	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4802	R7887 / R7903	1.550	1.015E+01	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4794	R7891	1.570	1.007E+01	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4801	R7902	1.560	9.875E+00	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4799	R7898	1.555	9.870E+00	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4803	R7888 / R7904	1.575	9.655E+00	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4797	R7896	1.560	9.635E+00	M
Sodium	12/19/91	7/17/90	6/28/90	NA	R4795	R7894	1.540	9.460E+00	M
Na	9/18/86	NA	7/2/86	T882	NS	NS	1.32	8.31	M
Na	9/18/86	NA	6/26/86	T686	NS	NS	1.31	7.33	M
Na	9/18/86	NA	6/23/86	R9893	NA	NA	1.37	6.9	M
Na	9/18/86	NA	6/23/86	T621	NS	NS	1.44	6.65	M
Na	9/18/86	NA	7/6/86	T959	NS	NS	1.23	5.77	M
Na	9/18/86	NA	6/30/86	T812	NS	NS	1.13	3.12	M
Na	11/9/84	NS	NS	R-3185	NS	NS	1.024	1.11	moles/l

Waste Characterization Database
Tank 241-AW-101

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	K	3.68E+07	9.41E-01	AW101-10	Y	
F	Raw	K	3.68E+07	9.40E-01	AW101-4	Y	
P	Raw	K	3.67E+07	9.37E-01	AW101-10	Y	Rerun
P	Raw	K	3.67E+07	9.37E-01	AW101-10	Y	
P	Raw	K	3.58E+07	9.15E-01	AW101-10	Y	Rerun
P	Raw	K	3.51E+07	8.99E-01	AW101-10	Y	
P	Raw	K	3.50E+07	8.95E-01	AW101-10	Y	Rerun
P	Raw	K	3.45E+07	8.82E-01	AW101-10	Y	Rerun
P	Raw	K	3.41E+07	8.71E-01	AW101-10	Y	Rerun
F	Raw	K	3.40E+07	8.70E-01	AW101-4	Y	
P	Raw	K	3.30E+07	8.43E-01	AW101-10	Y	
P	Raw	K	2.85E+07	7.30E-01	AW101-4	N	Evaporator feed sample
P	Raw	K	2.42E+07	6.20E-01	AW101-4	N	Evaporator feed sample
F	Raw	K	2.31E+07	5.90E-01	AW101-4	Y	
P	Raw	K	2.27E+07	5.80E-01	AW101-4	N	Evaporator feed sample
P	Raw	K	1.29E+07	3.30E-01	AW101-4	N	Evaporator feed sample
L	HTCE Inv.	K	5.40E+06	1.38E-01	NA	N	HTCE
P	Raw	K	5.87E+05	1.50E-02	AW101-4	N	Waste no longer in tank
P	Raw	K	4.30E+05	1.10E-02	AW101-4	N	Waste no longer in tank
P	Braun	K	2.35E+05	6.00E-03	NA	N	Waste no longer in tank
P	Raw	K	2.35E+05	6.00E-03	AW101-2	N	Waste no longer in tank
P	Raw	K	1.09E+05	2.79E-03	AW101-3	N	Waste no longer in tank
P	Raw	K	1.07E+05	2.74E-03	AW101-3	N	Waste no longer in tank
P	Raw	K	7.82E+04	2.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	K	7.82E+04	2.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	Na	3.08E+08	1.34E+01	AW101-10	Y	Composite Sample
P	Raw	Na	3.08E+08	1.34E+01	AW101-10	Y	Composite Sample
F	RAW	Na	2.58E+08	1.12E+01	AW101-4	Y	
F	RAW	Na	2.55E+08	1.11E+01	AW101-4	Y	
F	RAW	Na	2.51E+08	1.09E+01	AW101-4	Y	
P	Raw	Na	2.39E+08	1.04E+01	AW101-10	Y	
P	Raw	Na	2.38E+08	1.04E+01	AW101-10	Y	
P	Raw	Na	2.36E+08	1.03E+01	AW101-10	Y	
P	Raw	Na	2.36E+08	1.03E+01	AW101-10	Y	
P	Raw	Na	2.35E+08	1.02E+01	AW101-10	Y	
P	Raw	Na	2.33E+08	1.02E+01	AW101-10	Y	
P	Raw	Na	2.31E+08	1.01E+01	AW101-10	Y	
P	Raw	Na	2.27E+08	9.88E+00	AW101-10	Y	
P	Raw	Na	2.27E+08	9.87E+00	AW101-10	Y	
P	Raw	Na	2.22E+08	9.66E+00	AW101-10	Y	
P	Raw	Na	2.22E+08	9.64E+00	AW101-10	Y	
P	Raw	Na	2.18E+08	9.46E+00	AW101-10	Y	
U	RAW	Na	1.91E+08	8.31E+00	AW101-4	N	Evaporator feed sample
U	RAW	Na	1.69E+08	7.33E+00	AW101-4	N	Evaporator feed sample
F	RAW	Na	1.59E+08	6.90E+00	AW101-4	Y	
U	RAW	Na	1.53E+08	6.65E+00	AW101-4	N	Evaporator feed sample
U	RAW	Na	1.33E+08	5.77E+00	AW101-4	N	Evaporator feed sample
U	RAW	Na	7.18E+07	3.12E+00	AW101-4	N	Evaporator feed sample
P	Braun	Na	2.55E+07	1.11E+00	NA	N	Waste no longer in tank

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported U.
Na	4/29/85	4/21/85	NA	T5351	NA	NA	1.0411	1.11	M
Na	11/9/84	NA	NA	R3185	NS	NS	1.024	1.11	M
Na	8/21/85	8/18/85	NA	T9368	NA	NA	1.0392	1.02	M
Na	8/18/85	8/18/85	NA	T9368	NA	NA	1.0392	1.02	M
Na	4/29/85	4/21/85	NA	T5350	NA	NA	1.0279	0.873	M
Na	11/6/85	11/14/85	NA	T2601	NS	NS	1.01	0.648	M
Na	11/6/85	11/14/85	NA	T2641	NS	NS	1.01	0.516	M
Na	3/30/86	3/30/86	NA	T7698	NS	NS	0.993	0.375	M
Na	3/30/86	3/30/86	NA	T7697	NS	NS	0.997	0.349	M
NH3	9/18/86	NA	6/26/86	T686	NS	NS	1.31	0.04	M
NH3	9/18/86	NA	6/26/86	R9894	NA	NA	1.49	0.03	M
NH3	6/23/86	NS	NS	NS	NS	NS	1.37	0.02	M
NH3	11/6/85	11/14/85	NA	T2641	NS	NS	1.01	0.014	M
NH3	3/30/86	3/30/86	NA	T7698	NS	NS	0.993	0.013	M
NH3	8/21/85	8/18/85	NA	T9368	NA	NA	1.0392	0.0119	M
NH4	8/18/85	8/18/85	NA	T9368	NA	NA	1.0392	0.0119	M
NH3	4/29/85	4/21/85	NA	T5350	NA	NA	1.0279	0.0115	M
NH3	7/2/86	NS	NS	NS	NS	NS	1.5	0.01	M
NH3	11/9/84	NS	NS	R-3185	NS	NS	1.024	0.007	moles/
NH3	11/9/84	NA	NA	R3185	NS	NS	1.024	0.007	M
NH3	11/6/85	11/14/85	NA	T2601	NS	NS	1.01	0.006	M
NH3	9/18/86	NA	7/2/86	T882	NS	NS	1.32	0.00477	M
NH3	9/18/86	NA	6/23/86	T621	NS	NS	1.44	0.00159	M
Ni2+	NA	NA	NA	NA	NA	NA	1.39	5.14E-03	Mole/L
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4796	R7916 / R7935	1.625	2.370E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4792	R7912 / R7929	1.530	2.370E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4794	R7914 / R7933	1.570	2.340E+00	M
Nitrite-D	12/19/91	7/17/90	6/28/90	NA	NA	R8801	1.540	2.290E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4793	R7913 / R7930	1.535	2.280E+00	M
Nitrite-D	12/19/91	7/17/90	6/28/90	NA	NA	R8802	1.540	2.260E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4800	R7922 / R7941	1.560	2.215E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4795	R7915 / R7934	1.540	2.215E+00	M
Nitrite-D	6/28/90	NA	NA	NA	NA	NA	1.560	2.212	Moles/L
Nitrite-S	12/19/91	7/17/90	6/28/90	NA	NA	R8801	1.540	2.170E+00	M
Nitrite-S	6/28/90	NA	NA	NA	NA	NA	1.560	2.163	Moles/L
Nitrite-S	12/19/91	7/17/90	6/28/90	NA	NA	R8802	1.540	2.160E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4803	R7927 / R7944	1.575	2.140E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4799	R7921 / R7940	1.555	2.140E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4802	R7926 / R7943	1.550	2.135E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4801	R7923 / R7942	1.560	2.130E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4797	R7919 / R7936	1.560	2.105E+00	M
Nitrite	12/19/91	7/17/90	6/28/90	NA	R4798	R7920 / R7937	1.560	2.100E+00	M
NO2	9/18/86	NA	7/2/86	R9896	NA	NA	1.500	2.04	Moles/L
NO2	9/18/86	NA	6/30/86	R9895	NA	NA	1.540	1.89	Moles/L
NO2	9/18/86	NA	6/26/86	R9894	NA	NA	1.490	1.85	Moles/L
NO2	12/30/81	NA	NA	T1049	NA	NA	1.329	1.59	Moles
NO2	12/30/81	NA	NA	T1048	NA	NA	1.324	1.52	Moles
NO2-	NA	NA	NA	NA	NA	NA	1.39	1.51E+00	Mole/L

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	RAW	Na	2.55E+07	1.11E+00	AW101-3	N	Waste no longer in tank
L	RAW	Na	2.55E+07	1.11E+00	AW101-2	N	Waste no longer in tank
O	RAW	Na	2.34E+07	1.02E+00	AW101-3	N	Waste no longer in tank
P	RAW	Na	2.34E+07	1.02E+00	AW101-3	N	Waste no longer in tank
L	RAW	Na	2.01E+07	8.74E-01	AW101-3	N	Waste no longer in tank
P	RAW	Na	1.49E+07	6.48E-01	AW101-4	N	Waste no longer in tank
P	RAW	Na	1.19E+07	5.17E-01	AW101-4	N	Waste no longer in tank
L	RAW	Na	8.63E+06	3.75E-01	AW101-4	N	Waste no longer in tank
L	RAW	Na	8.03E+06	3.49E-01	AW101-4	N	Waste no longer in tank
U	RAW	NH3	6.80E+05	4.00E-02	AW101-4	N	Feed sample
F	RAW	NH3	5.10E+05	3.00E-02	AW101-4	Y	
F	RAW	NH3	3.40E+05	2.00E-02	AW101-4	NR	
P	RAW	NH3	2.38E+05	1.40E-02	AW101-4	NR	
L	RAW	NH3	2.21E+05	1.30E-02	AW101-4	NR	
O	RAW	NH3	2.02E+05	1.19E-02	AW101-3	NR	
P	RAW	NH3	2.02E+05	1.19E-02	AW101-3	NR	
L	RAW	NH3	1.96E+05	1.15E-02	AW101-3	NR	
F	RAW	NH3	1.70E+05	1.00E-02	AW101-4	NR	
P	Braun	NH3	1.19E+05	7.00E-03	NA	NR	
L	RAW	NH3	1.19E+05	7.00E-03	AW101-2	NR	
P	RAW	NH3	1.02E+05	6.00E-03	AW101-4	NR	
U	RAW	NH3	8.11E+04	4.77E-03	AW101-4	NR	
U	RAW	NH3	2.70E+04	1.59E-03	AW101-4	NR	
L	HTCE Inv.	Ni	3.01E+05	5.13E-03	NA	N	HTCE
P-3	Raw	NO2	1.09E+08	2.37E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO2	1.09E+08	2.37E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO2	1.08E+08	2.34E+00	AW101-10	Y	Average of Primary and Duplicate results
P	Raw	NO2	1.05E+08	2.29E+00	AW101-10	Y	Composite Sample
P-3	Raw	NO2	1.05E+08	2.28E+00	AW101-10	Y	Average of Primary and Duplicate results
P	Raw	NO2	1.04E+08	2.26E+00	AW101-10	Y	Composite Sample
P-3	Raw	NO2	1.02E+08	2.22E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO2	1.02E+08	2.22E+00	AW101-10	Y	Average of Primary and Duplicate results
P	Raw	NO2	1.02E+08	2.21E+00	AW101-10	Y	Avg of 12 samples
P	Raw	NO2	9.98E+07	2.17E+00	AW101-10	Y	Composite Sample
P	Raw	NO2	9.95E+07	2.16E+00	AW101-10	Y	Avg of 12 samples
P	Raw	NO2	9.94E+07	2.16E+00	AW101-10	Y	Composite Sample
P-3	Raw	NO2	9.84E+07	2.14E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO2	9.84E+07	2.14E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO2	9.82E+07	2.14E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO2	9.80E+07	2.13E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO2	9.68E+07	2.11E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO2	9.66E+07	2.10E+00	AW101-10	Y	Average of Primary and Duplicate results
F	Raw	NO2	9.38E+07	2.04E+00	AW101-4	Y	
F	Raw	NO2	8.69E+07	1.89E+00	AW101-4	Y	
F	Raw	NO2	8.51E+07	1.85E+00	AW101-4	Y	
P	Raw	NO2	7.31E+07	1.59E+00	AW101-1	N	Waste no longer in tank
P	Raw	NO2	6.99E+07	1.52E+00	AW101-2	N	Waste no longer in tank
L	HTCE Inv.	NO2	6.97E+07	1.51E+00	NA	N	HTCE

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
NO ₂	9/18/86	NA	6/23/86	R9893	NA	NA	1.370	1.42	Moles/L
NO ₂	9/18/86	NA	7/6/86	R9897	NA	NA	1.460	1.37	Moles/L
NO ₂	9/18/86	NA	6/23/86	T621	NS	NS	1.440	1.36	Moles/L
NO ₂	9/18/86	NA	6/26/86	T686	NS	NS	1.310	1.26	Moles/L
NO ₂	9/18/86	NA	7/2/86	T882	NS	NS	1.320	1.22	Moles/L
NO ₂	4/3/84	NA	NA	R9408	NA	NA	1.330	0.85	Moles/L
NO ₂	4/3/84	NA	NA	R9414	NA	NA	1.330	0.84	Moles/L
NO ₂	9/18/86	NA	6/30/86	T812	NS	NS	1.130	0.51	Moles/L
NO ₂	11/20/84	NA	NA	R2644	NA	NA	NA	0.122	Moles/L
NO ₂	11/20/84	NA	NA	R2645	NA	NA	NA	0.069	Moles/L
NO ₂	8/18/85	8/18/85	NA	T9368	NA	NA	1.040	0.0446	Moles/L
NO ₂	4/29/85	4/21/85	NA	T5350	NA	NA	1.028	0.0437	Moles/L
NO ₂	11/9/84	NS	NS	R-3185	NS	NS	1.024	0.043	moles/l
NO ₂	11/9/84	NA	NA	R3185	NS	NS	1.024	0.043	Moles
NO ₂	2/20/86	11/14/85	NA	T2601	NS	NS	1.010	0.042	Moles/L
NO ₂	4/29/86	3/30/86	NA	T7698	NS	NS	0.993	0.036	Moles/L
NO ₂	4/29/86	3/30/86	NA	T7697	NS	NS	0.993	0.035	Moles/L
NO ₂	2/20/86	11/14/85	NA	T2641	NS	NS	1.010	0.032	Moles/L
NO ₃	9/18/86	NA	7/6/86	R9897	NS	NS	1.460	4.7	Moles/L
Nitrate	12/19/91	7/17/90	6/28/90	NA	NA	R8801	1.540	3.810E+00	M
NO ₃	9/18/86	NA	7/2/86	R9896	NA	NA	1.500	3.73	Moles/L
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4796	R7916 / R7935	1.625	3.665E+00	M
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4794	R7914 / R7933	1.570	3.615E+00	M
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4793	R7913 / R7930	1.535	3.520E+00	M
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4803	R7927 / R7944	1.575	3.475E+00	M
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4800	R7922 / R7941	1.560	3.470E+00	M
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4799	R7921 / R7940	1.555	3.460E+00	M
Nitrate	6/28/90	NA	NA	NA	NA	NA	1.560	3.456	Moles/L
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4802	R7926 / R7943	1.550	3.455E+00	M
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4801	R7923 / R7942	1.560	3.450E+00	M
NO ₃ -	NA	NA	NA	NA	NA	NA	1.39	3.44E+00	Mole/L
Nitrate	12/19/91	7/17/90	6/28/90	NA	NA	R8802	1.540	3.430E+00	M
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4792	R7912 / R7929	1.530	3.425E+00	M
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4798	R7920 / R7937	1.560	3.400E+00	M
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4795	R7915 / R7934	1.540	3.335E+00	M
Nitrate	12/19/91	7/17/90	6/28/90	NA	R4797	R7919 / R7936	1.560	3.205E+00	M
NO ₃	9/18/86	NA	6/30/86	R9895	NA	NA	1.540	3.2	Moles/L
NO ₃	9/18/86	NA	6/23/86	T621	NS	NS	1.440	3.16	Moles/L
NO ₃	12/30/81	NA	NA	T1049	NA	NA	1.329	3.11	Moles
NO ₃	12/30/81	NA	NA	T1048	NA	NA	1.324	2.98	Moles

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
F	Raw	NO ₂	6.53E+07	1.42E+00	AW101-4	Y	
F	Raw	NO ₂	6.30E+07	1.37E+00	AW101-4	Y	
P	Raw	NO ₂	6.26E+07	1.36E+00	AW101-4	N	Evaporator feed sample
P	Raw	NO ₂	5.80E+07	1.26E+00	AW101-4	N	Evaporator feed sample
P	Raw	NO ₂	5.61E+07	1.22E+00	AW101-4	N	Evaporator feed sample
P	Raw	NO ₂	3.91E+07	8.50E-01	AW101-2	N	Waste no longer in tank
P	Raw	NO ₂	3.86E+07	8.40E-01	AW101-2	N	Waste no longer in tank
P	Raw	NO ₂	2.35E+07	5.10E-01	AW101-4	N	Evaporator feed sample
P	Raw	NO ₂	5.61E+06	1.22E-01	AW101-10	N	Waste no longer in tank
P	Raw	NO ₂	3.17E+06	6.90E-02	AW101-10	N	Waste no longer in tank
P	Raw	NO ₂	2.05E+06	4.46E-02	AW101-3	N	Waste no longer in tank
P	Raw	NO ₂	2.01E+06	4.37E-02	AW101-3	N	Waste no longer in tank
P	Braun	NO ₂	1.98E+06	4.30E-02	NA	N	Waste no longer in tank
P	Raw	NO ₂	1.98E+06	4.30E-02	AW101-2	N	Waste no longer in tank
P	Raw	NO ₂	1.93E+06	4.20E-02	AW101-4	N	Waste no longer in tank
P	Raw	NO ₂	1.66E+06	3.60E-02	AW101-4	N	Waste no longer in tank
P	Raw	NO ₂	1.61E+06	3.50E-02	AW101-4	N	Waste no longer in tank
P	Raw	NO ₂	1.47E+06	3.20E-02	AW101-4	N	Waste no longer in tank
F	Raw	NO ₃	2.91E+08	4.70E+00	AW101-4	N	Exclude because: 1. NaNO ₃ isn't that soluble in this matrix, 2. The erroneously high value causes the overall mass balance to be too high, 3. It's not reasonable that the filtrate should be significantly higher than the corresponding slurry.
P	Raw	NO ₃	2.36E+08	3.81E+00	AW101-10	Y	Composite Sample
F	Raw	NO ₃	2.31E+08	3.73E+00	AW101-4	Y	
P-3	Raw	NO ₃	2.27E+08	3.67E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₃	2.24E+08	3.62E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₃	2.18E+08	3.52E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₃	2.15E+08	3.48E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₃	2.15E+08	3.47E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₃	2.15E+08	3.46E+00	AW101-10	Y	Average of Primary and Duplicate results
P	Raw	NO ₃	2.14E+08	3.46E+00	AW101-10	Y	Avg of 12 samples
P-3	Raw	NO ₃	2.14E+08	3.46E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₃	2.14E+08	3.45E+00	AW101-10	Y	Average of Primary and Duplicate results
L	HTCE Inv.	NO ₃	2.13E+08	3.44E+00	NA	N	HTCE
P	Raw	NO ₃	2.13E+08	3.43E+00	AW101-10	Y	Composite Sample
P-3	Raw	NO ₃	2.12E+08	3.43E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₃	2.11E+08	3.40E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₃	2.07E+08	3.34E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	NO ₃	1.99E+08	3.21E+00	AW101-10	Y	Average of Primary and Duplicate results
F	Raw	NO ₃	1.98E+08	3.20E+00	AW101-4	Y	
P	Raw	NO ₃	1.96E+08	3.16E+00	AW101-4	N	Evaporator feed sample
P	Raw	NO ₃	1.93E+08	3.11E+00	AW101-1	N	Waste no longer in tank
P	Raw	NO ₃	1.85E+08	2.98E+00	AW101-2	N	Waste no longer in tank

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported U
NO ₃	9/18/86	NA	6/26/86	R9894	NA	NA	1.490	2.88	Moles/L
NO ₃ ⁻	4/3/84	NA	NA	R9414	NA	NA	1.330	2.85	Moles/L
NO ₃ ⁻	4/3/84	NA	NA	R9408	NA	NA	1.330	2.79	Moles/L
NO ₃	9/18/86	NA	6/23/86	R9893	NA	NA	1.370	2.52	Moles/L
NO ₃	9/18/86	NA	7/2/86	T882	NS	NS	1.320	2.37	Moles/L
NO ₃	9/18/86	NA	6/26/86	T686	NS	NS	1.310	2	Moles/L
NO ₃	9/18/86	NA	6/30/86	T812	NS	NS	1.130	0.99	Moles/L
NO ₃ ⁻	11/20/84	NA	NA	R2644	NA	NA	NA	0.368	Moles/L
NO ₃ ⁻	11/20/84	NA	NA	R2645	NA	NA	NA	0.237	Moles/L
NO3	11/9/84	NS	NS	R-3185	NS	NS	1.024	0.19	moles/l
NO ₃	11/9/84	NA	NA	R3185	NS	NS	1.024	0.19	Moles/L
NO ₃	2/20/86	11/14/85	NA	T2641	NS	NS	1.010	0.184	Moles/L
NO ₃	4/29/86	3/30/86	NA	T7697	NS	NS	0.993	0.182	Moles/L
NO ₃	4/29/86	3/30/86	NA	T7698	NS	NS	0.993	0.171	Moles/L
NO3	4/29/85	4/21/85	NA	T5350	NA	NA	1.028	0.163	Moles/L
NO ₃	2/20/86	11/14/85	NA	T2601	NS	NS	1.010	0.157	Moles/L
NO3	8/18/85	8/18/85	NA	T9368	NA	NA	1.040	0.0121	Moles/L
OH	9/18/86	NA	6/30/86	R9895	NA	NA	1.54	5.58	M
OH	9/18/86	NA	7/2/86	R9896	NA	NA	1.5	5.35	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4800	R7958 / R7976	1.560	5.250E+00	M
OH	9/18/86	NA	7/6/86	R9897	NA	NA	1.53	5.25	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4802	R7962 / R7978	1.550	5.155E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4793	R7949 / R7965	1.535	5.155E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4799	R7957 / R7973	1.555	5.125E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4798	R7956 / R7972	1.560	5.110E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4792	R7948 / R7964	1.530	5.095E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4801	R7959 / R7977	1.560	5.085E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4797	R7955 / R7971	1.560	5.075E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4796	R795 / R7970	1.625	5.050E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4794	R7950 / R7966	1.570	5.045E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	NA	R8799	1.540	4.950E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4795	R7951 / R7969	1.540	4.900E+00	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	R4803	R7963 / R7979	1.575	4.820E+00	M
OH	9/18/86	NA	6/26/86	R9894	NA	NA	1.49	4.78	M
Hydroxide	12/19/91	7/17/90	6/28/90	NA	NA	R8798	1.540	4.510E+00	M
OH	9/18/86	NA	6/23/86	T621	NS	NS	1.44	4.61	M
OH	9/18/86	NA	7/2/86	T882	NS	NS	1.32	3.87	M
OH	12/30/81	NA	NA	T1049	NA	NA	1.329	1.56	M
OH	12/30/81	NA	NA	T1048	NA	NA	1.324	1.56	M
OH	9/18/86	NA	6/23/86	R9893	NA	NA	1.37	3.33	M
OH	9/18/86	NA	6/26/86	T686	NS	NS	1.31	3.18	M
OH	9/18/86	NA	6/30/86	T812	NS	NS	1.13	1.34	M
OH	9/18/86	NA	7/6/86	T959	NS	NS	1.23	2.9	M
OH-	2/15/84	NA	NA	R9414	NA	NA	1.37	1.2	M
OH-	2/15/84	NA	NA	R9408	NA	NA	1.33	1.2	M
OH	11/9/84	NS	NS	R-3185	NS	NS	1.024	0.745	moles/l
OH	11/9/84	NA	NA	R3185	NS	NS	1.024	0.745	M

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
F	Raw	NO ₃	1.79E+08	2.88E+00	AW101-4	Y	
P	Raw	NO ₃	1.77E+08	2.85E+00	AW101-2	N	Waste no longer in tank
P	Raw	NO ₃	1.73E+08	2.79E+00	AW101-2	N	Waste no longer in tank
F	Raw	NO ₃	1.56E+08	2.52E+00	AW101-4	Y	
P	Raw	NO ₃	1.47E+08	2.37E+00	AW101-4	N	Evaporator feed sample
P	Raw	NO ₃	1.24E+08	2.00E+00	AW101-4	N	Evaporator feed sample
P	Raw	NO ₃	6.14E+07	9.90E-01	AW101-4	N	Evaporator feed sample
P	Raw	NO ₃	2.28E+07	3.68E-01	AW101-10	N	Waste no longer in tank
P	Raw	NO ₃	1.47E+07	2.37E-01	AW101-10	N	Waste no longer in tank
P	Braun	NO ₃	1.18E+07	1.90E-01	NA	N	Waste no longer in tank
P	Raw	NO ₃	1.18E+07	1.90E-01	AW101-2	N	Waste no longer in tank
P	Raw	NO ₃	1.14E+07	1.84E-01	AW101-4	N	Waste no longer in tank
P	Raw	NO ₃	1.13E+07	1.82E-01	AW101-4	N	Waste no longer in tank
P	Raw	NO ₃	1.06E+07	1.71E-01	AW101-4	N	Waste no longer in tank
P	Raw	NO ₃	1.01E+07	1.63E-01	AW101-3	N	Waste no longer in tank
P	Raw	NO ₃	9.73E+06	1.57E-01	AW101-4	N	Waste no longer in tank
P	Raw	NO ₃	7.50E+05	1.21E-02	AW101-3	N	Waste no longer in tank
F	RAW	OH	9.49E+07	5.58E+00	AW101-4	Y	
F	RAW	OH	9.10E+07	5.35E+00	AW101-4	Y	
P-3	Raw	OH	8.93E+07	5.25E+00	AW101-10	Y	Average of Primary and Duplicate results
F	RAW	OH	8.93E+07	5.25E+00	AW101-4	Y	
P-3	Raw	OH	8.76E+07	5.16E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	OH	8.76E+07	5.16E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	OH	8.71E+07	5.13E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	OH	8.69E+07	5.11E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	OH	8.66E+07	5.10E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	OH	8.64E+07	5.09E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	OH	8.63E+07	5.08E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	OH	8.59E+07	5.05E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	OH	8.58E+07	5.05E+00	AW101-10	Y	Average of Primary and Duplicate results
P	Raw	OH	8.42E+07	4.95E+00	AW101-10	Y	Composite Sample
P-3	Raw	OH	8.33E+07	4.90E+00	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	OH	8.19E+07	4.82E+00	AW101-10	Y	Average of Primary and Duplicate results
F	RAW	OH	8.13E+07	4.78E+00	AW101-4	Y	
P	Raw	OH	7.67E+07	4.51E+00	AW101-10	Y	Composite Sample
U	RAW	OH	6.64E+07	3.91E+00	AW101-4	N	Evaporator feed sample
U	RAW	OH	6.58E+07	3.87E+00	AW101-4	N	Evaporator feed sample
L	RAW	OH	6.24E+07	3.67E+00	AW101-1	N	Waste no longer in tank
L	RAW	OH	6.24E+07	3.67E+00	AW101-2	N	Waste no longer in tank
F	RAW	OH	5.66E+07	3.33E+00	AW101-4	Y	
U	RAW	OH	5.41E+07	3.18E+00	AW101-4	N	Evaporator feed sample
U	RAW	OH	5.36E+07	3.15E+00	AW101-4	N	Evaporator feed sample
U	RAW	OH	4.93E+07	2.90E+00	AW101-4	N	Evaporator feed sample
L	RAW	OH	4.80E+07	2.82E+00	AW101-2	N	Waste no longer in tank
L	RAW	OH	4.80E+07	2.82E+00	AW101-2	N	Waste no longer in tank
P	Braun	OH	2.98E+07	1.75E+00	NA	N	Waste no longer in tank
L	RAW	OH	2.98E+07	1.75E+00	AW101-2	N	Waste no longer in tank

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
OH-	11/20/84	NA	NA	R2644	NS	NS	NS	0.691	Mole/L
OH-	11/20/84	NA	NA	R2645	NS	NS	NS	0.669	Mole/L
OH-	8/21/85	8/18/85	NA	T9368	NA	NA	1.0392	0.6177	M
OH-	8/18/85	8/18/85	NA	T9368	NA	NA	1.0392	0.6177	M
OH-	11/6/85	11/14/85	NA	T2601	NS	NS	1.01	0.607	M
OH-	4/29/85	4/21/85	NA	T5351	NA	NA	1.0411	0.601	M
OH-	4/29/85	4/21/85	NA	T5350	NA	NA	1.0279	0.585	M
OH-	11/6/85	11/14/85	NA	T2641	NS	NS	1.01	0.505	M
OH	3/30/86	3/30/86	NA	T7697	NS	NS	0.997	0.208	M
OH	3/30/86	3/30/86	NA	T7698	NS	NS	0.993	0.203	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4801	R7902	1.560	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4800	R7901	1.560	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4799	R7898	1.555	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4798	R7897	1.560	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4797	R7896	1.560	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4796	R7895	1.625	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4795	R7894	1.540	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4794	R7891	1.570	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4793	R7890	1.535	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4792	R7889	1.530	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4803	R7888 / R7904	1.575	< 1.46E-03	M
Lead	12/19/91	7/17/90	6/28/90	NA	R4802	R7887 / R7903	1.550	< 1.46E-03	M
Lead	6/28/90	NA	NA	NA	NA	NA	1.560	< 1.46E-03	Moles/L
Pb2 +	NA	NA	NA	NA	NA	NA	1.39	9.56E-05	Mole/L
PO43-	NA	NA	NA	NA	NA	NA	1.39	1.68E-01	Mole/L
PO ₄	9/18/86	NA	6/23/86	R9893	NA	NA	1.370	0.11	Moles/L
PO ₄	12/30/81	NA	NA	T1049	NA	NA	1.329	0.089	Moles
PO ₄	12/30/81	NA	NA	T1048	NA	NA	1.324	0.084	Moles
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4795	R7915 / R7934	1.540	6.510E-02	M
PO ₄	9/18/86	NA	7/2/86	R9896	NA	NA	1.500	0.04	Moles/L
PO ₄	9/18/86	NA	6/26/86	R9894	NA	NA	1.490	0.04	Moles/L
PO ₄	9/18/86	NA	7/6/86	R9897	NA	NA	1.460	0.04	Moles/L
PO ₄ ⁻³	4/3/84	NA	NA	R9414	NA	NA	1.370	0.036	Moles/L
PO ₄ ⁻³	4/3/84	NA	NA	R9408	NA	NA	1.330	0.035	Moles/L
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4796	R7916 / R7935	1.625	3.300E-02	M
PO ₄	9/18/86	NA	6/26/86	T686	NS	NS	1.310	0.03	Moles/L
PO ₄	9/18/86	NA	6/30/86	R9895	NA	NA	1.540	0.03	Moles/L
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4803	R7927 / R7944	1.575	2.960E-02	M
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4798	R7920 / R7937	1.560	2.430E-02	M
Phosphate	6/28/90	NA	NA	NA	NA	NA	1.560	0.02218	Moles/L
PO ₄	9/18/86	NA	7/2/86	T882	NS	NS	1.320	0.02	Moles/L
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4800	R7922 / R7941	1.560	1.815E-02	M
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4797	R7919 / R7936	1.560	1.530E-02	M
PO ₄ ⁻³	11/20/84	NS	NS	R2644	NS	NS	NS	0.015	Moles/L
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4792	R7912 / R7929	1.530	1.395E-02	M
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4793	R7913 / R7930	1.535	1.380E-02	M
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4801	R7923 / R7942	1.560	1.375E-02	M

Waste Characterization Database
Tank 241-AW-101

[illegible]

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4799	R7921 / R7940	1.555	1.335E-02	M
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4794	R7914 / R7933	1.570	1.310E-02	M
Phosphate	12/19/91	7/17/90	6/28/90	NA	R4802	R7926 / R7943	1.550	1.275E-02	M
PO ₄	9/18/86	NA	6/23/86	T621	NS	NS	1.440	0.01	Moles/L
PO ₄	9/18/86	NA	6/30/86	T812	NS	NS	1.130	0.01	Moles/L
PO ₄	4/29/86	3/30/86	NA	T7697	NS	NS	0.993	0.007	Moles/L
PO ₄ ⁻³	11/20/84	NA	NA	R2644	NA	NA	NA	0.004	Moles/L
PO ₄	2/20/86	11/14/85	NA	T2601	NS	NS	1.010	0.003	Moles/L
PO ₄ ⁻³	11/20/84	NA	NA	R2645	NA	NA	NA	0.0015	Moles/L
PO ₄	4/29/85	4/21/85	NA	T5350	NA	NA	1.028	0.0011	Moles/L
PO ₄	11/9/84	NS	NS	R-3185	NS	NS	1.024	0.001	moles/l
PO ₄	11/9/84	NA	NA	R3185	NS	NS	1.024	0.001	Moles
PO ₄	2/20/86	11/14/85	NA	T2641	NS	NS	1.010	0.001	Moles/L
PO ₄	8/18/85	8/18/85	NA	T9368	NA	NA	1.040	0.00029	Moles/L
PO ₄	4/29/86	3/30/86	NA	T7698	NS	NS	0.993	0.0002	Moles/L
SO ₄	9/18/86	NA	6/23/86	T621	NS	NS	1.440	<1.00E-02	Moles/L
SO ₄	9/18/86	NA	6/26/86	T686	NS	NS	1.310	<1.0E-02	Moles/L
SO ₄	6/30/86	NS	NS	NS	NS	NS	1.540	<0.01E-02	Moles/L
SO ₄	6/26/86	NS	NS	NS	NS	NS	1.490	<1.40E-01	Moles/L
SO ₄	4/29/86	3/30/86	NA	T7697	NS	NS	0.993	<5.00E-03	Moles/L
SO ₄	4/29/86	3/30/86	NA	T7698	NS	NS	0.993	<5.00E-03	Moles/L
SO ₄	9/18/86	NA	7/6/86	R9897	NS	NS	1.460	<0.01	Moles/L
SO ₄ 2-	NA	NA	NA	NA	NA	NA	1.39	2.17E-01	Mole/L
SO ₄ ⁻²	4/3/84	NA	NA	R9408	NA	NA	1.330	0.064	Moles/L
SO ₄ ⁻²	4/3/84	NA	NA	R9414	NA	NA	1.370	0.062	Moles/L
SO ₄	9/18/86	NA	6/30/86	T812	NS	NS	1.130	0.05	Moles/L
Sulfate	12/19/91	7/17/90	6/28/90	NA	NA	R8801	1.540	2.350E-02	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	NA	R8802	1.540	2.170E-02	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4796	R7916 / R7935	1.625	2.145E-02	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4795	R7915 / R7934	1.540	1.570E-02	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4798	R7920 / R7937	1.560	1.535E-02	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4800	R7922 / R7941	1.560	1.109E-02	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4797	R7919 / R7936	1.560	1.048E-02	M
SO ₄	9/18/86	NA	7/2/86	T882	NS	NS	1.320	0.01	Moles/L
SO ₄	9/18/86	NA	7/2/86	R9896	NA	NA	1.500	0.01	Moles/L
SO ₄	9/18/86	NA	6/23/86	R9893	NA	NA	1.370	0.01	Moles/L
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4793	R7913 / R7930	1.535	8.290E-03	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4792	R7912 / R7929	1.530	8.195E-03	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4794	R7914 / R7933	1.570	7.910E-03	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4799	R7921 / R7940	1.555	7.790E-03	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4801	R7923 / R7942	1.560	7.735E-03	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4802	R7926 / R7943	1.550	7.440E-03	M
Sulfate	12/19/91	7/17/90	6/28/90	NA	R4803	R7927 / R7944	1.575	7.395E-03	M
SO ₄	4/29/85	4/21/85	NA	T5350	NA	NA	1.028	0.00324	Moles/L
SO ₄	8/18/85	8/18/85	NA	T9368	NA	NA	1.040	0.0014	Moles/L
SO ₄	2/20/86	11/14/85	NA	T2601	NS	NS	1.010	0.001	Moles/L

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P-3	Raw	PO4	1.27E+06	1.34E-02	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	PO4	1.24E+06	1.31E-02	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	PO4	1.21E+06	1.28E-02	AW101-10	Y	Average of Primary and Duplicate results
P	Raw	PO4	9.50E+05	1.00E-02	AW101-4	N	Evaporator feed sample
P	Raw	PO4	9.50E+05	1.00E-02	AW101-4	N	Evaporator feed sample
P	Raw	PO4	6.65E+05	7.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	PO4	3.80E+05	4.00E-03	AW101-10	N	Waste no longer in tank
P	Raw	PO4	2.85E+05	3.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	PO4	1.42E+05	1.50E-03	AW101-10	N	Waste no longer in tank
P	Raw	PO4	1.04E+05	1.10E-03	AW101-3	N	Waste no longer in tank
P	Braun	PO4	9.50E+04	1.00E-03	NA	N	Waste no longer in tank
P	Raw	PO4	9.50E+04	1.00E-03	AW101-2	N	Waste no longer in tank
P	Raw	PO4	9.50E+04	1.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	PO4	2.75E+04	2.90E-04	AW101-3	N	Waste no longer in tank
P	Raw	PO4	1.90E+04	2.00E-04	AW101-4	N	Waste no longer in tank
P	Raw	SO4	#VALUE!	#VALUE!	AW101-4	N	< Values
P	Raw	SO4	#VALUE!	#VALUE!	AW101-4	N	< Values
F	Raw	SO4	#VALUE!	#VALUE!	AW101-4	N	< Values
F	Raw	SO4	#VALUE!	#VALUE!	AW101-4	N	< Values
P	Raw	SO4	#VALUE!	#VALUE!	AW101-4	N	< Values
P	Raw	SO4	#VALUE!	#VALUE!	AW101-4	N	< Values
F	Raw	SO4	#VALUE!	#VALUE!	AW101-4	N	< Values
L	HTCE Inv.	SO4	2.09E+07	2.18E-01	NA	N	HTCE
P	Raw	SO4	6.15E+06	6.41E-02	AW101-2	N	Waste no longer in tank
P	Raw	SO4	5.96E+06	6.21E-02	AW101-2	N	Waste no longer in tank
P	Raw	SO4	4.81E+06	5.01E-02	AW101-4	N	Evaporator feed sample
P	Raw	SO4	2.26E+06	2.35E-02	AW101-10	Y	Composite Sample
P	Raw	SO4	2.08E+06	2.17E-02	AW101-10	Y	Composite Sample
P-3	Raw	SO4	2.06E+06	2.15E-02	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	SO4	1.51E+06	1.57E-02	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	SO4	1.47E+06	1.54E-02	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	SO4	1.06E+06	1.11E-02	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	SO4	1.01E+06	1.05E-02	AW101-10	Y	Average of Primary and Duplicate results
P	Raw	SO4	9.61E+05	1.00E-02	AW101-4	N	Evaporator feed sample
F	Raw	SO4	9.61E+05	1.00E-02	AW101-4	Y	
F	Raw	SO4	9.61E+05	1.00E-02	AW101-4	Y	
P-3	Raw	SO4	7.96E+05	8.29E-03	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	SO4	7.87E+05	8.20E-03	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	SO4	7.59E+05	7.91E-03	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	SO4	7.48E+05	7.79E-03	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	SO4	7.43E+05	7.74E-03	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	SO4	7.14E+05	7.44E-03	AW101-10	Y	Average of Primary and Duplicate results
P-3	Raw	SO4	7.10E+05	7.40E-03	AW101-10	Y	Average of Primary and Duplicate results
P	Raw	SO4	3.11E+05	3.24E-03	AW101-3	N	Waste no longer in tank
P	Raw	SO4	1.35E+05	1.40E-03	AW101-3	N	Waste no longer in tank
P	Raw	SO4	9.61E+04	1.00E-03	AW101-4	N	Waste no longer in tank

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Units
SO ₄	2/20/86	11/14/85	NA	T2641	NS	NS	1.010	0.001	Moles/L
TOC	11/20/84	NA	NA	R2644	NA	NA	NA	35.8	g/L
TOC	4/3/84	NA	NA	R9414	NA	NA	1.330	28.04	g/L
TOC	4/3/84	NA	NA	R9408	NA	NA	1.330	28.04	g/L
TOC wt% C (wet)	NA	NA	NA	NA	NA	NA	1.39	9.56E-01	wt%
TOC	11/9/84	NA	NA	R3185	NS	NS	1.024	0.757	Moles/L
TOC	9/18/86	NA	6/23/86	T621	NS	NS	1.440	6.12	g/L
TOC	9/18/86	NA	7/2/86	R9896	NA	NA	1.500	5.48	g/L
TOC	9/18/86	NA	6/30/86	R9895	NA	NA	1.540	5.2	g/L
TOC	9/18/86	NA	6/26/86	R9894	NA	NA	1.490	4.95	g/L
TOC	9/18/86	NA	7/6/86	R9897	NA	NA	1.460	3.53	g/L
TOC	9/18/86	NA	6/23/86	R9893	NA	NA	1.370	3.48	g/L
TOC	9/18/86	NA	6/26/86	T686	NS	NS	1.310	3.45	g/L
TOC	11/20/84	NA	NA	R2644	NA	NA	NA	2.83	g/L
TOC	12/19/91	7/17/90	6/28/90	NA	NA	R8802	1.540	2.53	g/L
TOC	6/28/90	NA	NA	NA	NA	NA	1.560	2.46	g/L
TOC	12/19/91	7/17/90	6/28/90	NA	NA	R8801	1.540	2.39	g/L
TOC	9/18/86	NA	6/30/86	T812	NS	NS	1.130	1.42	g/L
TOC	11/20/84	NA	NA	R2645	NA	NA	NA	1.11	g/L
TOC	11/9/84	NS	NS	R-3185	NS	NS	1.024	0.757	gm/l
TOC	2/20/86	11/14/85	NA	T2641	NS	NS	1.010	0.657	g/L
TOC	2/20/86	11/14/85	NA	T2601	NS	NS	1.010	0.619	g/L
TOC	4/29/85	4/21/85	NA	T5350	NA	NA	1.028	0.6	GM/l C
TOC	4/29/86	3/30/86	NA	T7697	NS	NS	0.993	0.434	g/L
TOC	4/29/86	3/30/86	NA	T7698	NS	NS	0.993	0.424	g/L
TOC	8/18/85	8/18/85	NA	T9368	NA	NA	1.040	0.368	GM/l-C
TOC	9/18/86	NA	7/2/86	T882	NS	NS	1.320	0.31	g/L

Waste Characterization Database
 Tank 241-AW-101

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Raw	SO ₄	9.61E+04	1.00E-03	AW101-4	N	Waste no longer in tank
P	Raw	TOC	3.58E+07	2.98E+00	AW101-10	N	Waste no longer in tank
P	Raw	TOC	2.80E+07	2.34E+00	AW101-2	N	Waste no longer in tank
P	Raw	TOC	2.80E+07	2.34E+00	AW101-2	N	Waste no longer in tank
L	HTCE Inv.	TOC	1.33E+07	1.11E+00	NA	N	HTCE
P	Raw	TOC	9.09E+06	7.58E-01	AW101-2	N	Waste no longer in tank
P	Raw	TOC	6.12E+06	5.10E-01	AW101-4	N	Evaporator feed sample
F	Raw	TOC	5.48E+06	4.57E-01	AW101-4	Y	
F	Raw	TOC	5.20E+06	4.33E-01	AW101-4	Y	
F	Raw	TOC	4.95E+06	4.13E-01	AW101-4	Y	
F	Raw	TOC	3.53E+06		AW101-4	Y	
F	Raw	TOC	3.48E+06	2.90E-01	AW101-4	Y	
P	Raw	TOC	3.45E+06	2.88E-01	AW101-4	N	Evaporator feed sample
P	Raw	TOC	2.83E+06	2.36E-01	AW101-10	N	Waste no longer in tank
P	Raw	TOC	2.53E+06	2.11E-01	AW101-10	Y	Composite Sample
P-3	Raw	TOC	2.46E+06	2.05E-01	AW101-10	Y	Avg of 2 values
P	Raw	TOC	2.39E+06	1.99E-01	AW101-10	Y	Composite Sample
P	Raw	TOC	1.42E+06	1.18E-01	AW101-4	N	Evaporator feed sample
P	Raw	TOC	1.11E+06	9.25E-02	AW101-10	N	Waste no longer in tank
P	Braun	TOC	7.57E+05	6.31E-02	NA	N	Waste no longer in tank
P	Raw	TOC	6.57E+05	5.48E-02	AW101-4	N	Waste no longer in tank
P	Raw	TOC	6.19E+05	5.16E-02	AW101-4	N	Waste no longer in tank
P	Raw	TOC	6.00E+05	5.00E-02	AW101-3	N	Waste no longer in tank
P	Raw	TOC	4.34E+05	3.62E-02	AW101-4	N	Waste no longer in tank
P	Raw	TOC	4.24E+05	3.53E-02	AW101-4	N	Waste no longer in tank
P	Raw	TOC	3.68E+05	3.07E-02	AW101-3	N	Waste no longer in tank
P	Raw	TOC	3.10E+05	2.58E-02	AW101-4	N	Waste no longer in tank

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repts
Al	12/3/79	NS	NS	1466	NS	NS	1.414	1.44E+00	
Al	12/3/79	NS	NS	1465	NS	NS	1.41	1.43E+00	
Al	12/3/79	NS	NS	1494B	NS	NS	1.42	1.42E+00	
Al	12/3/79	NS	NS	1495B	NS	NS	1.448	1.42E+00	
Al	12/3/79	NS	NS	1495A	NS	NS	1.419	1.38E+00	
Al	12/3/79	NS	NS	1494A	NS	NS	1.0414	1.36E+00	
Al	12/3/79	NS	NS	1463	NS	NS	1.384	1.09E+00	
Al	12/3/79	NS	NS	1464	NS	NS	1.409	1.03E+00	
Al	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.481	m
Al	1/10/86	NA	11/1/85	NA	NA	NA	1.17	4.81E-01	
Al	4/8/86	NA	11/1/85	NA	NA	NA	NA	4.80E-01	
Al	8/7/86	NS	NS	R9964/R0247	NS	NS	1.2	0.44	m
Al	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	0.44	m
Al	3/11/88	NA	NA	T3493	NA	NA	NA	4.40E-01	
Al	3/11/88	NA	NA	T3493	NA	NA	NA	4.40E-01	
Al	2/8/89	NA	10/1/87	T3493	NA	NA	NA	4.40E-01	
Al	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.332	mm
Al3+	NA	NA	NA	NA	NA	NA	1.12	3.68E-01	M
Aluminum	7/26/95	NA	3/3/95	BOD9P5	NA	NA	NA	9475	U
Aluminum	7/26/95	NA	3/3/95	BOD9N9	NA	NA	NA	9275	U
Aluminum	7/26/95	NA	3/3/95	BOD9P2	NA	NA	NA	9220	U
NaAlO2	8/27/81	NS	NS	NS	NS	NS	1.143	3.14E-01	
Al	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	0.302	mi
Al	9/13/85	NA	NA	NA	NA	NA	1.17	3.02E-01	
Al	May 89	NS	NS	NS	NS	NS	NS	2.69E+00	
Al	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	81.6	um
Al	6/1/84	NS	NS	RAT-AZ101-2B	NS	NS	NS	0.099	mx
Al	6/1/84	NS	NS	RAT-AZ101-2A	NS	NS	NS	0.097	mx
Al	9/10/84	NA	6/1/84	NA	NA	NA	NA	9.70E-02	
NaAlO2	4/26/78	NS	NS	NS	NS	NS	1.133	7.70E-02	
Al	12/28/83	NS	NS	NS	NS	NS	NS	7.70E-02	
Al	1/1/81	NS	NS	NS	NS	NS	NS	NS	
Al	1/10/86	NA	11/1/85	NA	NA	NA	NA	4.49E-01	p
As	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	0.077	un

			Analyte Information					
Unit	Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
	L	Raw	Al	3.89E+07	1.44E+00	AZ101-2	N	Pre - Q3, 1984 - Date may not be representative
	L	Raw	Al	3.86E+07	1.43E+00	AZ101-2	N	Pre - Q3, 1984 - Date may not be representative
	L	Raw	Al	3.83E+07	1.42E+00	AZ101-2	N	Pre - Q3, 1984 - Date may not be representative
	L	Raw	Al	3.83E+07	1.42E+00	AZ101-2	N	Pre - Q3, 1984 - Date may not be representative
	L	Raw	Al	3.72E+07	1.38E+00	AZ101-2	N	Pre - Q3, 1984 - Date may not be representative
	L	Raw	Al	3.67E+07	1.36E+00	AZ101-2	N	Pre - Q3, 1984 - Date may not be representative
	L	Raw	Al	2.94E+07	1.09E+00	AZ101-2	N	Pre - Q3, 1984 - Date may not be representative
	L	Raw	Al	2.78E+07	1.03E+00	AZ101-2	N	Pre - Q3, 1984 - Date may not be representative
I	P	Braun	Al	1.30E+07	4.81E-01	NA	N	Duplicate of Raw 1/10/86 1.30E+07 ug/L, Braun data, not used
	L	Raw	Al	1.30E+07	4.81E-01	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985)
	L	Raw	Al	1.30E+07	4.80E-01	AZ101-9	N	Changed value 0.5 to 0.48 M / Duplicate of Raw / AZ101-7 / Changed date to 11/1/85 (Nov 1985)
I	P	Braun	Al	1.19E+07	4.40E-01	NA	N	Braun data, sample # and date don't match current references
I	P	Braun	Al	1.19E+07	4.40E-01	NA	N	Duplicate of Raw T3494, Braun data, not used
	L	Raw	Al	1.19E+07	4.40E-01	AZ101-15	N	Changed date 7/6/88 to 3/11/88 and sample # T3494 to T3493 / Duplicate of Raw T3493
	L	Raw	Al	1.19E+07	4.40E-01	AZ101-15	N	Changed sample # "" to T3493 / Duplicate of Raw T3493
	P	Raw	Al	1.19E+07	4.40E-01	AZ101-16	Y	Changed value 0.442 to 0.44 M, Code L to P, and date 7/6/88 to 3/11/88
n	P	Braun	Al	1.07E+07	3.98E-01	NA	N	Braun data, not used
	L	HTCE Inv.	Al	9.94E+06	3.68E-01	NA	N	HTCE Data
	L	TCD	Al	9.48E+06	3.51E-01	NA	Y	Averaged Values; P5 = 9475 ug/mL
	L	TCD	Al	9.28E+06	3.44E-01	NA	Y	Averaged Values; P9 = 9275 ug/mL
	L	TCD	Al	9.22E+06	3.42E-01	NA	Y	Averaged Values; P2 = 9220 ug/mL
	L	Raw	Al	8.47E+06	3.14E-01	AZ101-3	N	Pre - Q3, 1984 - may not be representative
I	P	Braun	Al	8.15E+06	3.02E-01	NA	N	Duplicate of Raw 9/13/85 8.15E+06 ug/L
	L	Raw	Al	8.15E+06	3.02E-01	AZ101-7	Y	
	P	Wastren	Al	2.69E+06	9.97E-02	NA	N	Wastren Data , not used
n	P	Braun	Al	2.69E+06	9.96E-02	NA	N	Braun data, not used
I	P	Braun	Al	2.67E+06	9.90E-02	NA	N	Braun data, not used
I	P	Braun	Al	2.62E+06	9.70E-02	NA	N	Braun data, not used
	P	Raw	Al	2.62E+06	9.70E-02	AZ101-6	Y	Changed Code L to P and added sample state Supernatant
	L	Raw	Al	2.08E+06	7.70E-02	AZ101-1	N	Pre - Q3, 1984 - may not be representative
	L	Raw	Al	2.08E+06	7.70E-02	AZ101-4	N	Pre - Q3, 1984 - may not be representative
	L	TRAC	Al	5.05E+05	1.87E-02	NA	N	Pre - Q3, 1984 - may not be representative, TRAC data, not used
	L	Raw	Al	5.39E+02	2.00E-05	AZ101-8	N	Slurry sample / Changed date to 11/1/85 (Nov 1985)
	P	RAW	As	7.15E+03	9.54E-05	AZ101-19	Y	

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repor
As	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.077	um
As	NS	NS	NS	NS	NS	NS	NS	0.00704	
Ba	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	0.015	ur
Ba	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.015	um
Ba	NS	NS	NS	NS	NS	NS	NS	0.00215	
Ba	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.00001	mrr
Ba	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.00001	mi
Be	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	0.01	un
Be	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.01	um
Be		NS	NS	NS	NS	NS	NS	0.00011	
Ca	4/8/86	NA	11/1/85	NA	NA	NA	NA	0.016	
Ca	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.00026	mi
Ca	4/8/86	NA	11/1/85	NA	NA	NA	NA	0.00026	
Ca	1/10/86	NA	11/1/85	NA	NA	NA	1.17	0.00026	
Ca	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	0.196	un
Ca	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.196	um
Ca	NS	NS	NS	NS	NS	NS	NS	0.00958	
Ca	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	0.000152	mc
Ca	9/13/85	NA	NA	NA	NA	NA	1.17	0.000152	
Ca	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.00009	mm
Ca	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.00009	mi
Ca	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.0000146	mi
Cd	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	0.032	un
Cd	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.032	um
Cd	NS	NS	NS	NS	NS	NS	NS	0.00439	
Ce	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.00000476	mi
Chloride	7/26/95	NA	3/3/95	BOD9P7	NA	NA	NA	<158	UC
Chloride	7/26/95	NA	3/3/95	BOD9P9	NA	NA	NA	<158	UC
Cl-	NA	NA	NA	NA	NA	NA	1.12	5.38E-02	Mc
Cl	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	0.019	mc
Cl	3/11/88	NA	NA	T3493	NA	NA	NA	1.90E-02	
Cl	3/11/88	NA	NA	NA	NA	NA	NA	1.90E-02	
Cl	2/8/89	NA	10/1/87	T3493	NA	NA	NA	1.90E-02	
Cl	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.00907	mo
Cl	1/10/86	NA	11/1/85	NA	NA	NA	1.17	9.07E-03	
Cl-	May 89	NS	NS	NS	NS	NS	NS	3.11E-01	g
Cl	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	7.19	umc
Cl	4/8/86	NA	11/1/85	NA	NA	NA	NA	8.00E-03	
Chloride	7/26/95	NA	3/3/95	BOD9P6	NA	NA	NA	187	UC
Chloride	7/26/95	NA	3/3/95	BOD9P9	NA	NA	NA	183	UC
Chloride	7/26/95	NA	3/3/95	BOD9P7	NA	NA	NA	173	UC
Cl	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.00002	mm
Cl	1/1/81	NS	NS	NS	NS	NS	NS	NS	
Cr	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.013	mrr

			Analyte Information					
Unit	Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
m	P	Braun	As	7.04E+03	9.40E-05	NA	N	Braun data, not used
	P	Wastren	As	7.04E+03	9.40E-05	NA	N	Wastren Data , not used
	P	RAW	Ba	2.55E+03	1.86E-05	AZ101-19	Y	
n	P	Braun	Ba	2.51E+03	1.83E-05	NA	N	Duplicate of Raw 5/1/89 2.55E+03 ug/L, Braun data, not used
	P	Wastren	Ba	2.15E+03	1.57E-05	NA	N	Wastren Data , not used
m	P	Braun	Ba	1.65E+03	1.20E-05	NA	N	Duplicate of Raw9/1/89 1.65E+03 ug/L, Braun data, not used
	P	RAW	Ba	1.65E+03	1.20E-05	AZ101-24	Y	
	P	RAW	Be	1.12E+02	1.24E-05	AZ101-19	Y	
n	P	Braun	Be	1.10E+02	1.22E-05	NA	N	Braun data, not used
	P	Wastren	Be	1.10E+02	1.22E-05	NA	N	Wastren Data , not used
	L	RAW	Ca	6.40E+05	1.60E-02	AZ101-9	N	Slurry sample / Changed date to 11/1/85 (Nov 1985)
	P	Braun	Ca	1.04E+04	2.59E-04	NA	N	Duplicate of Raw 1/10/86 1.04E+04 ug/L
	P	RAW	Ca	1.04E+04	2.59E-04	AZ101-9	N	Changed date to 11/1/85 (Nov 1985)
	P	RAW	Ca	1.04E+04	2.59E-04	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985)
	P	RAW	Ca	9.72E+03	2.43E-04	AZ101-19	Y	
n	P	Braun	Ca	9.58E+03	2.39E-04	NA	N	Braun data matches Raw 5/1/89 9.72E+03 except for density
	P	Wastren	Ca	9.58E+03	2.39E-04	NA	N	Duplicate of Braun RAT-AZ101-5A
	P	Braun	Ca	6.09E+03	1.52E-04	NA	N	Duplicate of Raw 9/13/85 6.09E+03 ug/L
	P	RAW	Ca	6.09E+03	1.52E-04	AZ101-7	Y	
n	P	Braun	Ca	4.33E+03	1.08E-04	NA	N	Duplicate of Raw 9/1/89 4.33E+03 ug/L
	P	RAW	Ca	4.33E+03	1.08E-04	AZ101-24	Y	
	L	RAW	Ca	7.02E+02	1.75E-05	AZ101-24	N	Water wash sample
	P	RAW	Cd	4.46E+03	3.97E-05	AZ101-19	Y	
1	P	Braun	Cd	4.39E+03	3.91E-05	NA	N	Braun data, not used
	P	Wastren	Cd	4.39E+03	3.91E-05	NA	N	Wastren Data , not used
	L	RAW	Ce	8.00E+02	5.71E-06	AZ101-24	N	Water wash of solids
	L	TCD	Cl	#VALUE!	#VALUE!	NA	Y	< Value
	L	TCD	Cl	#VALUE!	#VALUE!	NA	Y	< Value
	L	HTCE Inv.	Cl	1.91E+06	5.38E-02	NA	N	HTCE Data
	P	Braun	Cl	6.74E+05	1.90E-02	NA	N	Duplicate of Raw T3493, Braun data, not used
	L	Raw	Cl	6.74E+05	1.90E-02	AZ101-15	N	Changed date 7/6/88 to 3/11/88 and sample # T3494 to T3493 / Duplicate of Raw T3493
	L	Raw	Cl	6.74E+05	1.90E-02	AZ101-15	N	Duplicate of Raw T3493
	L	Raw	Cl	6.74E+05	1.90E-02	AZ101-16	Y	Changed date 7/6/88 to 3/11/88
	P	Braun	Cl	3.22E+05	9.07E-03	NA	N	Duplicate of Raw AZ101-7, Braun data, not used
	L	Raw	Cl	3.22E+05	9.07E-03	AZ101-8	Y	< Value / Changed date to 11/1/85 (Nov 1985)
	P	Wastren	Cl	3.11E+05	8.77E-03	NA	N	Duplicate of Braun RAT-AZ101-5A, Wastren data, not used
	P	Braun	Cl	3.11E+05	8.77E-03	NA	N	Braun data, not used
	L	Raw	Cl	2.84E+05	8.00E-03	AZ101-9	Y	< Value
	L	TCD	Cl	1.87E+05	5.27E-03	NA	Y	Avg value for P6 only: P6 = 187 ug/mL
	L	TCD	Cl	1.83E+05	5.16E-03	NA	Y	
	L	TCD	Cl	1.73E+05	4.88E-03	NA	Y	
i	P	Braun	Cl	8.51E+02	2.40E-05	NA	N	Braun data, not used
	L	TRAC	Cl	1.20E-05	3.38E-13	NA	N	Pre - Q3, 1984 - may not be representative, Trac data, not used
	P	RAW	Cr	8.11E+05	1.56E-02	AZ101-24	Y	Value for Total Cr not just Cr+6

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Cr	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	8.29	um
Cr	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	8.29	um
Cr	5/1/89	NS	NS	NS	NS	NS	NS	0.526	t
Cr	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.013	mm
Cr	3/11/88	NA	NA	T3494	NA	NA	NA	0.013	
Cr	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.0103	mr
Cr	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.0098	mr
CrO4	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.0098	mm
Cr	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.0112	mc
Cr	1/10/86	NA	11/1/85	NA	NA	NA	1.17	0.0112	
Cr	4/8/86	NA	11/1/85	NA	NA	NA	NA	0.011	
Cr	8/7/86	NS	NS	R9964/R0247	NS	NS	1.2	0.01	mc
Cr	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	0.00771	mc
Cr	9/13/85	NA	NA	NA	NA	NA	1.17	0.00771	
Cr	12/28/83	NS	NS	NS	NS	NS	NS	0.006	
CrO4	5/1/89	NS	NS	NS	NS	NS	NS	0.187	g
Cr+6	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	1.32	um
CrO4	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	1.32	um
F	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	0.097	mq
F	3/11/88	NA	NA	T3493	NA	NA	NA	9.70E-02	l
F	3/11/88	NA	NA	NA	NA	NA	NA	9.70E-02	
F	2/8/89	NA	10/1/87	T3493	NA	NA	NA	9.70E-02	
F	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.089	ma
F	1/10/86	NA	11/1/85	NA	NA	NA	1.17	8.90E-02	l
F	4/8/86	NA	11/1/85	NA	NA	NA	NA	8.70E-02	l
Fluoride	7/26/95	NA	3/3/95	B0D9P6	NA	NA	NA	1620	UG
Fluoride	7/26/95	NA	3/3/95	B0D9P7	NA	NA	NA	1590	UG
F	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.068	mm
Fluoride	7/26/95	NA	3/3/95	B0D9P9	NA	NA	NA	1540	UG
F	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	30.6	um
F-	May 89	NS	NS	NS	NS	NS	NS	7.09E-01	g
F-	NA	NA	NA	NA	NA	NA	1.12	2.47E-02	Mo
F	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	0.0198	mol
F	9/13/85	NA	NA	NA	NA	NA	1.17	1.98E-02	mol
F	8/7/86	NS	NS	R9964/R0247	NS	NS	1.2	0.00461	mol
F	1/1/81	NS	NS	NS	NS	NS	NS	NS	mol
Iron	7/26/95	NA	3/3/95	B0D9N9	NA	NA	NA	<10.1	UG
Iron	7/26/95	NA	3/3/95	B0D9P2	NA	NA	NA	<10.1	UG
Iron	7/26/95	NA	3/3/95	B0D9P5	NA	NA	NA	<10.1	UG

			Analyte Information					
Unit	Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
	P	RAW	Cr	5.35E+05	1.03E-02	AZ101-19	Y	Value for total Cr, not just Cr+6
m	P	Braun	Cr	5.26E+05	1.01E-02	NA	N	Duplicate of Raw AZ101-17 5.35E+05, Braun data, not used
	P	Wastren	Cr	5.26E+05	1.01E-02	NA	N	Duplicate of Raw AZ101-17 5.35E+05, Wastren data, not used
m	P	Braun	Cr+6	8.11E+05	1.56E-02	NA	N	Duplicate of Raw AZ101-22 8.11E+05 ug/L, Braun data, not used
	P	RAW	Cr+6	6.76E+05	1.30E-02	AZ101-15	Y	
	L	RAW	Cr+6	6.43E+05	1.24E-02	AZ101-24	Y?	Water wash of solids
	P	RAW	Cr+6	6.12E+05	1.18E-02	AZ101-24	Y	Measured Cr+6 value!
m	P	Braun	Cr+6	6.11E+05	1.18E-02	NA	N	Duplicate of Raw AZ101-22 6.12E+05 ug/L, Braun data, not used
	P	Braun	Cr+6	5.82E+05	1.12E-02	NA	N	Duplicate of Raw AZ101-7, Braun data, not used
	P	RAW	Cr+6	5.82E+05	1.12E-02	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985), Total Cr
	P	RAW	Cr+6	5.72E+05	1.10E-02	AZ101-9	Y	Changed date to 11/1/85 (Nov 1985)
	P	Braun	Cr+6	5.20E+05	1.00E-02	NA	N	Braun data, not used
	P	Braun	Cr+6	4.01E+05	7.71E-03	NA	N	Duplicate of Raw AZ101-6, Braun data, not used
	P	RAW	Cr+6	4.01E+05	7.71E-03	AZ101-7	Y	
	L	RAW	Cr+6	3.12E+05	6.00E-03	AZ101-4	N	Pre - Q3, 1984 - may not be representative
	P	Wastren	Cr+6	1.87E+05	3.60E-03	NA	N	Wastren Data , not used
	P	RAW	Cr+6	8.51E+04	1.64E-03	AZ101-19	Y	Measured Cr+6 value!
m	P	Braun	Cr+6	8.37E+04	1.61E-03	NA	N	Duplicate of Raw AZ101-17 8.51E+04, Braun data, not used
	P	Braun	F	1.84E+06	9.70E-02	NA	N	Duplicate of Raw AZ101-14, Braun data, not used
	L	Raw	F	1.84E+06	9.70E-02	AZ101-15	N	Changed date 7/6/88 to 3/11/88 and sample # T3494 to T3493 / Duplicate of Raw T3493
	L	Raw	F	1.84E+06	9.70E-02	AZ101-15	N	Duplicate of Raw T3493
	L	Raw	F	1.84E+06	9.70E-02	AZ101-16	Y	Changed date 7/6/88 to 3/11/88
	P	Braun	F	1.69E+06	8.90E-02	NA	N	Duplicate of Raw AZ101-7, Braun data, not used
	L	Raw	F	1.69E+06	8.90E-02	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985)
	L	Raw	F	1.65E+06	8.70E-02	AZ101-9	N	Slurry sample / Changed date to 11/1/85 (Nov 1985)
	L	TCD	F	1.62E+06	8.53E-02	NA	Y	Averaged Values; P6 = 1620 ug/mL
	L	TCD	F	1.59E+06	8.37E-02	NA	Y	Averaged Values; P7 = 1590 ug/mL
m	P	Braun	F	1.55E+06	8.16E-02	NA	N	Braun data, not used
	L	TCD	F	1.54E+06	8.11E-02	NA	Y	Averaged Values; P9 = 1540 ug/mL
	P	Braun	F	7.09E+05	3.73E-02	NA	N	Braun data, not used
	P	Wastren	F	7.09E+05	3.73E-02	NA	N	Duplicate of Braun RAT-AZ101-5A, Wastren data, not used
	L	HTCE Inv.	F	4.69E+05	2.47E-02	NA	N	HTCE Data
	P	Braun	F	3.76E+05	1.98E-02	NA	N	Duplicate of Raw AZ101-6, Braun data, not used
	L	Raw	F	3.76E+05	1.98E-02	AZ101-7	Y	
	P	Braun	F	8.76E+04	4.61E-03	NA	N	Braun data, not used
	L	TRAC	F	4.72E+03	2.49E-04	NA	N	TRAC data - not used
	L	TCD	Fe	#VALUE!	#VALUE!	NA	Y	< Value, Need 3 avg. values!
	L	TCD	Fe	#VALUE!	#VALUE!	NA	Y	< Value
	L	TCD	Fe	#VALUE!	#VALUE!	NA	Y	< Value, All values < 10.1 ug/mL

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repr
Iron	7/26/95	NA	3/3/95	BOD9N9	NA	NA	NA	<10	l
Iron	7/26/95	NA	3/3/95	BOD9P2	NA	NA	NA	<10	l
Iron	7/26/95	NA	3/3/95	BOD9P5	NA	NA	NA	<10	l
Fe	4/8/86	NS	NS	NS	NS	NS	NS	6.70E-02	
Fe	12/28/83	NS	NS	NS	NS	NS	NS	2.00E-03	
Fe3+ (total Fe)	NA	NA	NA	NA	NA	NA	1.12	1.94E-03	A
Fe	1/1/81	NS	NS		NS	NS	NS	NS	
Fe	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.351	ur
Fe	May 89	NS	NS	NS	NS	NS	NS	2.39E-02	
Fe	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.0002	mi
Fe	1/10/86	NA	11/1/85	NA	NA	NA	NA	1.16E-02	
K	4/8/86	NA	11/1/85	NA	NA	NA	NA	1.20E-01	
K	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.116	tr
K	1/10/86	NA	11/1/85	NA	NA	NA	1.17	1.16E-01	
K	8/7/86	NS	NS	R9964/R0247	NS	NS	1.2	0.11	rr
K	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.088	mr
K	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	0.0764	rv
K	9/13/85	NA	NA	NA	NA	NA	1.17	7.64E-02	
K	May 89	NS	NS	NS	NS	NS	NS	2.49E+00	
K	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	52.1	un
K+	NA	NA	NA	NA	NA	NA	1.12	2.03E-03	N
K	1/1/81	NS	NS		NS	NS	NS	NS	
K	1/10/86	NA	11/1/85	NA	NA	NA	NA	1.25E-01	
La	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	0.023	u
La	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.023	un
La	5/1/89	NS	NS	NS	NS	NS	NS	0.0039	
Na	4/8/86	NA	11/1/85	NA	NA	NA	NA	5	
Na	4/8/86	NA	11/1/85	NA	NA	NA	NA	4.9	
Na	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	4.89	m
Na	1/10/86	NA	11/1/85	NA	NA	NA	1.17	4.89	
Na	10/29/90	NA	NA	R101283	NA	NA	NA	4.89	
Na	8/7/86	NS	NS	R9964/R0247	NS	NS	1.2	4.82	m
Na	10/29/90	5/2/90	NA	R280187	NA	NA	NA	4.82	
Na	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	3.76	mn
Na	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	3.76	mi
Na	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	4.42	m
Na	3/11/88	NA	NA	T3493	NA	NA	NA	4.42	
Na	3/11/88	NA	NA	NA	NA	NA	NA	4.42	
Na	2/8/89	NA	10/1/89	T3493	NA	NA	NA	4.42	

			Analyte Information					
Unit	Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
l	L	TCD	Fe	#VALUE!	#VALUE!	NA	Y	< Value
l	L	TCD	Fe	#VALUE!	#VALUE!	NA	Y	< Value
l	L	TCD	Fe	#VALUE!	#VALUE!	NA	Y	< Value
	L	Raw	Fe	3.74E+06	6.70E-02	AZ101-9	N	Slurry sample / Changed date to 11/1/85 (Nov 1985)
	L	Raw	Fe	1.12E+05	2.00E-03	AZ101-4	N	Pre - Q3, 1984 - may not be representative
L	L	HTCE Inv.	Fe	1.08E+05	1.94E-03	NA	N	HTCE Data
	L	TRAC	Fe	4.86E+04	8.70E-04	NA	N	TRAC data - not used
jm	P	Braun	Fe	2.39E+04	4.28E-04	NA	N	Braun data, not used
	P	Wastren	Fe	2.39E+04	4.28E-04	NA	N	Duplicate of Braun RAT-AZ101-5A, Wastren data, not used
jm	P	Braun	Fe	1.34E+04	2.40E-04	NA	N	Braun data, not used
	L	Raw	Fe	1.39E+01	2.49E-07	AZ101-8	N	Slurry sample / Changed date to 11/1/85 (Nov 1985)
	L	Raw	K	4.69E+06	1.20E-01	AZ101-9	Y	Changed date to 11/1/85 (Nov 1985)
l	P	Braun	K	4.54E+06	1.16E-01	NA	N	Duplicate of Raw AZ101-7 4.54E+06 ug/L
	L	Raw	K	4.54E+06	1.16E-01	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985)
l	P	Braun	K	4.30E+06	1.10E-01	NA	N	Braun data, not used
jm	P	Braun	K	4.13E+06	1.06E-01	NA	N	Braun data, not used
l	P	Braun	K	2.99E+06	7.64E-02	NA	N	Duplicate of Raw AZ101-6 2.99E+06 ug/L, Braun data, not used
	L	Raw	K	2.99E+06	7.64E-02	AZ101-7	Y	
	P	Wastren	K	2.49E+06	6.37E-02	NA	N	Duplicate of Braun RAT-AZ101-5A, Wastren data, not used
m	P	Braun	K	2.49E+06	6.36E-02	NA	N	Braun data, not used
L	L	HTCE Inv.	K	7.93E+04	2.03E-03	NA	N	HTCE Data
	L	TRAC	K	7.38E+03	1.89E-04	NA	N	TRAC data - not used
	L	Raw	K	1.50E+02	3.84E-06	AZ101-8	N	Slurry sample / Changed date to 11/1/85 (Nov 1985)
g	P	RAW	La	3.96E+03	2.85E-05	AZ101-19	Y	
m	P	Braun	La	3.90E+03	2.81E-05	NA	N	Braun data, not used
	P	Wastren	La	3.90E+03	2.81E-05	NA	N	Wastren data, not used
	L	RAW	Na	1.15E+08	5.00E+00	AZ101-9	N	Slurry sample / Changed date to 11/1/85 (Nov 1985)
	P	RAW	Na	1.13E+08	4.91E+00	AZ101-9	Y	Supernatant sample / Changed date to 11/1/85 (Nov 1985)
l	P	Braun	Na	1.12E+08	4.87E+00	NA	N	Duplicate of Raw R101283 AZ101-19, Braun data, not used
	P	RAW	Na	1.12E+08	4.87E+00	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985)
	P	RAW	Na	1.12E+08	4.87E+00	AZ101-21	Y	Later analysis?
l	P	Braun	Na	1.11E+08	4.83E+00	NA	N	Duplicate of Raw R280187 AZ101-20, Braun data, not used
	P	RAW	Na	1.11E+08	4.83E+00	AZ101-21	Y	
m	P	Braun	Na	1.04E+08	4.52E+00	NA	N	Duplicate of Raw AZ101-22 1.04E+08, Braun data, not used
g	P	RAW	Na	1.04E+08	4.52E+00	AZ101-24	Y	
l	P	Braun	Na	1.02E+08	4.43E+00	NA	N	Duplicate of Raw AZ101-18 1.02E+08, Braun data, not used
	P	RAW	Na	1.02E+08	4.43E+00	AZ101-15	N	Changed sample # T3494 to T3493 / Duplicate of Raw T3493
	P	RAW	Na	1.02E+08	4.43E+00	AZ101-15	N	Duplicate of Raw T3493
	P	RAW	Na	1.02E+08	4.43E+00	AZ101-16	Y	

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repo
Na	10/30/90	5/2/90	NA	R110388	NA	NA	NA	4.42	
Sodium	7/26/95	NA	3/3/95	B0D9P5	NA	NA	NA	97300	U
Sodium	7/26/95	NA	3/3/95	B0D9N9	NA	NA	NA	94800	U
Sodium	7/26/95	NA	3/3/95	B0D9P2	NA	NA	NA	93600	U
Na	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	3.13	m
Na	9/13/85	NA	NA	R130985	NA	NA	NA	3.13	
Na	9/13/85	NA	NA	R130985	NA	NA	1.17	3.13	
Na TOT	8/27/81	NS	NS	NS	NS	NS	1.143	NS	
Na	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	2020	ur
Na	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	2020	um
Na	NS	NS	NS	NS	NS	NS	NS	56.7	
Na TOT	4/26/78	NS	NS	NS	NS	NS	1.133	NS	
Na	6/1/84	NS	NS	RAT-AZ101-2B	NS	NS	NS	1.07	m
Na	9/10/84	NA	6/1/84	NA	NA	NA	NA	1.07	
Na	6/1/84	NS	NS	RAT-AZ101-2A	NS	NS	NS	1.06	m
Na	9/10/84	NA	6/1/84	NA	NA	NA	NA	1.06	
Na	2/5/90	NA	NA	R100984	NA	NA	NA	1.06	
Nd	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	0.008	ur
Nd	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.008	um
Nd	5/1/89	NS	NS	NS	NS	NS	NA	0.00141	
Ni	4/8/86	NA	11/1/85	NA	NA	NA	NA	8.20E-03	
Ni2 +	NA	NA	NA	NA	NA	NA	1.12	6.14E-04	M
Ni	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.0002	mm
Ni	May 89	NS	NS	NS	NS	NS	NS	3.08E-03	
Ni	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.043	um
Ni.	1/1/81	NS	NS	NS	NS	NS	NS	NS	
Ni	1/10/86	NA	11/1/85	NA	NA	NA	NA	1.03E-03	R
NO2	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	2370	um
NO2-	May 89	NS	NS	NS	NS	NS	NS	1.33E+02	
NO2	12/3/79	NS	NS	1494A	NS	NS	1.0414	2.68E+00	
NO2	12/3/79	NS	NS	1495B	NS	NS	1.448	2.68E+00	
NO2	12/3/79	NS	NS	1465	NS	NS	1.41	2.65E+00	
NO2	12/3/79	NS	NS	1494B	NS	NS	1.42	2.65E+00	
NO2	12/3/79	NS	NS	1495A	NS	NS	1.419	2.64E+00	
NO2	12/3/79	NS	NS	1464	NS	NS	1.409	2.49E+00	
NO2	12/3/79	NS	NS	1463	NS	NS	1.384	2.43E+00	
NO2	12/3/79	NS	NS	1466	NS	NS	1.414	2.37E+00	
Nitrite	3/3/95	NA	3/3/95	B0D9P7	NA	NA	NA	59000	UC
Nitrite	3/3/95	NA	3/3/95	B0D9P6	NA	NA	NA	56600	UC
NO2	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	1	mm
Nitrite	3/3/95	NA	3/3/95	B0D9P9	NA	NA	NA	55050	UC
NO2	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	0.79	me

Analyte Information								
Unit	Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
	P	RAW	Na	1.02E+08	4.43E+00	AZ101-21	Y	Later analysis?
	L	TCD	Na	9.73E+07	4.23E+00	NA	Y	Averaged Values; P5 = 97300 ug/mL
	L	TCD	Na	9.48E+07	4.12E+00	NA	Y	Averaged Values; N9 = 94800 ug/mL
	L	TCD	Na	9.36E+07	4.07E+00	NA	Y	Averaged Values; P2 = 93600 ug/mL
	P	Braun	Na	7.20E+07	3.13E+00	NA	N	Duplicate of Raw R130985 AZ101-6, Braun data, not used
	P	RAW	Na	7.20E+07	3.13E+00	AZ101-7	N	Duplicate of Raw R130985 AZ101-6
	P	RAW	Na	7.20E+07	3.13E+00	AZ101-7	Y	Changed/added sample # R130985
	F	RAW	Na	6.27E+07	2.73E+00	AZ101-3	N	Pre - Q3, 1984 - may not be representative
	P	RAW	Na	5.76E+07	2.50E+00	AZ101-19	Y	
	P	Braun	Na	5.67E+07	2.47E+00	NA	N	Braun data, not used
	P	Wastren	Na	5.67E+07	2.47E+00	NA	N	Duplicate of Raw Braun RAT-AZ101-5A, Wastren data, not used
	L	RAW	Na	4.44E+07	1.93E+00	AZ101-1	N	Pre - Q3, 1984 - may not be representative
	P	Braun	Na	2.46E+07	1.07E+00	NA	N	Duplicate of Raw AZ101-5 2.46E+06 ug/L
	P	RAW	Na	2.46E+07	1.07E+00	AZ101-6	Y	
	P	Braun	Na	2.44E+07	1.06E+00	NA	N	Duplicate of Raw R100984 AZ101-5, Braun data, not used
	P	RAW	Na	2.44E+07	1.06E+00	AZ101-6	N	Duplicate of Raw R100984 AZ101-5
	P	RAW	Na	2.44E+07	1.06E+00	AZ101-17	N	
	P	RAW	Nd	1.43E+03	9.91E-06	AZ101-19	Y	
	P	Braun	Nd	1.41E+03	9.78E-06	NA	N	Braun data, not used
	P	Wastren	Nd	1.41E+03	9.78E-06	NA	N	Wastren data, not used
	L	Raw	Ni	4.81E+05	8.20E-03	AZ101-9	N	Slurry sample / Changed date to 11/1/85 (Nov 1985)
	L	HTCE Inv.	Ni	3.60E+04	6.14E-04	NA	N	HTCE Data
	P	Braun	Ni	1.41E+04	2.40E-04	NA	N	Braun data, not used
	P	Wastren	Ni	3.08E+03	5.25E-05	NA	N	Duplicate of Braun RAT-AZ101-5A, Wastren data, not used
	P	Braun	Ni	3.08E+03	5.25E-05	NA	N	Braun data, not used
	L	TRAC	Ni	6.60E+01	1.12E-06	NA	N	Pre - Q3, 1984 - may not be representative, TRAC data, not used
	L	Raw	Ni	1.24E+00	2.11E-08	AZ101-8	N	Slurry/Sludge sample / Changed date to 11/1/85 (Nov 1985)
	P	Braun	NO ₂	1.33E+08	2.89E+00	NA	N	Braun data, not used
	P	Wastren	NO ₂	1.33E+08	2.89E+00	NA	N	Duplicate of Braun RAT-AZ101-5A, Wastren data, not used
	L	Raw	NO ₂	1.23E+08	2.68E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₂	1.23E+08	2.68E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₂	1.22E+08	2.65E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₂	1.22E+08	2.65E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₂	1.21E+08	2.64E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₂	1.15E+08	2.49E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₂	1.12E+08	2.43E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₂	1.09E+08	2.37E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	TCD	NO ₂	5.90E+07	1.28E+00	NA	Y	Averaged Values; P7 = 59000 ug/mL
	L	TCD	NO ₂	5.66E+07	1.23E+00	NA	Y	Averaged Values; P6 = 56600 ug/mL
	P	Braun	NO ₂	5.52E+07	1.20E+00	NA	N	Braun data, not used
	L	TCD	NO ₂	5.51E+07	1.20E+00	NA	Y	Averaged Values; P9 = 55050 ug/mL
	P	Braun	NO ₂	3.63E+07	7.90E-01	NA	N	Braun data, not used

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repor
NO2	3/11/88	NA	NA	T3493	NA	NA	NA	7.90E-01	
NO2	2/8/89	NA	NA	T3493	NA	NA	NA	7.90E-01	
NO2	8/7/86	NS	NS	R9964/R0247	NS	NS	1.2	0.61	rr
NO2	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	0.589	m
NO2	9/13/85	NA	NA	NA	NA	NA	1.17	5.89E-01	
NaNO2	8/27/81	NS	NS	NS	NS	NS	1.143	5.38E-01	
NO2-	NA	NA	NA	NA	NA	NA	1.12	4.74E-01	M
NO2	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.441	m
NO2	1/10/86	NA	11/1/85	NA	NA	NA	1.17	4.41E-01	
NO2	4/8/86	NA	11/1/85	NA	NA	NA	NA	4.30E-01	
NO2	12/28/83	NS	NS	NS	NS	NS	NS	2.70E-01	
NO2	6/1/84	NS	NS	RAT-AZ101-2B	NS	NS	NS	0.028	m
NO2	6/1/84	NS	NS	RAT-AZ101-2A	NS	NS	NS	0.027	m
NO2	9/10/84	NA	6/1/84	NA	NA	NA	NA	2.70E-02	
NaNO2	4/26/78	NS	NS	NS	NS	NS	1.133	2.40E-02	
NO2	1/1/81	NS	NS	NS	NS	NS	NS	NS	
NO3	12/3/79	NS	NS	1494B	NS	NS	1.42	3.01E+00	
NO3	12/3/79	NS	NS	1495A	NS	NS	1.419	2.98E+00	
NO3	12/3/79	NS	NS	1465	NS	NS	1.41	2.95E+00	
NO3	12/3/79	NS	NS	1466	NS	NS	1.414	2.94E+00	
NO3	12/3/79	NS	NS	1494A	NS	NS	1.0414	2.91E+00	
NO3	12/3/79	NS	NS	1495B	NS	NS	1.448	2.90E+00	
NO3	12/3/79	NS	NS	1464	NS	NS	1.409	2.80E+00	
NO3	12/3/79	NS	NS	1463	NS	NS	1.384	2.67E+00	
NO3	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	1.75	mm
NO3	1/10/86	NA	11/1/85	NA	NA	NA	1.17	1.75E+00	
NO3	4/8/86	NA	11/1/85	NA	NA	NA	NA	1.70E+00	
NO3	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	1380	uni
NO3-	May 89	NS	NS	NS	NS	NS	NS	1.04E+02	f
NaNO3	4/26/78	NS	NS	NS	NS	NS	1.133	1.55E+00	
NO3	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	1.45	mc
NO3	9/13/85	NA	NA	NA	NA	NA	1.17	1.45E+00	
NO3	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	1.39	mc
NO3	3/11/88	NA	NA	T3493	NA	NA	NA	1.39E+00	
NO3	2/8/89	NA	10/1/87	T3493	NA	NA	NA	1.39E+00	
NO3	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	1.04	mm
Nitrate	7/26/95	NA	3/3/95	B0D9P7	NA	NA	NA	68250	U(
Nitrate	7/26/95	NA	3/3/95	B0D9P6	NA	NA	NA	65100	U(

			Analyte Information					
Unit	Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
	L	Raw	NO ₂	3.63E+07	7.90E-01	AZ101-15	N	Changed/added sample # T3493 / Duplicate of Raw T3493
	L	Raw	NO ₂	3.63E+07	7.90E-01	AZ101-16	Y	Changed date 7/6/88 to 3/11/88
1	P	Braun	NO ₂	2.81E+07	6.10E-01	NA	N	Braun data, not used
1	P	Braun	NO ₂	2.71E+07	5.89E-01	NA	N	Duplicate of Raw AZ101-6 2.71E+07 ug/L, Braun data, not used
	L	Raw	NO ₂	2.71E+07	5.89E-01	AZ101-7	Y	
	L	Raw	NO ₂	2.47E+07	5.38E-01	AZ101-3	N	Pre - Q3, 1984 - may not be representative
	L	HTCE Inv.	NO ₂	2.18E+07	4.74E-01	NA	N	HTCE Data
1	P	Braun	NO ₂	2.03E+07	4.41E-01	NA	N	Duplicate of Raw AZ101-7 2.03E+07 ug/L, Braun data, not used
	L	Raw	NO ₂	2.03E+07	4.41E-01	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985)
	L	Raw	NO ₂	1.98E+07	4.30E-01	AZ101-9	N	Slurry sample / Changed date to 11/1/85 (Nov 1985)
	L	Raw	NO ₂	1.24E+07	2.70E-01	AZ101-4	N	Pre - Q3, 1984 - may not be representative
1	P	Braun	NO ₂	1.29E+06	2.80E-02	NA	N	Braun data, not used
1	P	Braun	NO ₂	1.24E+06	2.70E-02	NA	N	Duplicate of Raw AZ101-5 1.24E+06 ug/L, Braun data, not used
	L	Raw	NO ₂	1.24E+06	2.70E-02	AZ101-6	Y	
	L	Raw	NO ₂	1.10E+06	2.40E-02	AZ101-1	N	Pre - Q3, 1984 - may not be representative
	L	TRAC	NO ₂	2.41E+05	5.24E-03	NA	N	Pre - Q3, 1984 - may not be representative, TRAC data, not used
	L	Raw	NO ₃	1.87E+08	3.01E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₃	1.85E+08	2.98E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₃	1.83E+08	2.95E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₃	1.82E+08	2.94E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₃	1.80E+08	2.91E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₃	1.80E+08	2.90E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₃	1.74E+08	2.80E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₃	1.66E+08	2.67E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
1	P	Braun	NO ₃	1.09E+08	1.75E+00	NA	N	Duplicate of Raw AZ101-7 1.09E+08 ug/L
	L	Raw	NO ₃	1.09E+08	1.75E+00	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985)
	L	Raw	NO ₃	1.05E+08	1.70E+00	AZ101-9	N	Slurry sample / Changed date to 11/1/85 (Nov 1985), Braun data, not used
m	P	Braun	NO ₃	1.04E+08	1.68E+00	NA	N	Braun data, not used
	P	Wastren	NO ₃	1.04E+08	1.68E+00	NA	N	Duplicate of Braun RAT-AZ101-5A, Wastren data, not used
	L	Raw	NO ₃	9.61E+07	1.55E+00	AZ101-1	N	Pre - Q3, 1984 - may not be representative
1	P	Braun	NO ₃	8.99E+07	1.45E+00	NA	N	Duplicate of Raw AZ101-6 8.99E+07 ug/L, Braun data, not used
	L	Raw	NO ₃	8.99E+07	1.45E+00	AZ101-7	Y	
1	P	Braun	NO ₃	8.62E+07	1.39E+00	NA	N	Duplicate of Raw AZ101-14 T3493, Braun data, not used
	L	Raw	NO ₃	8.62E+07	1.39E+00	AZ101-15	N	Duplicate of Raw AZ101-14 T3493 / Changed/added sample # T3493
	L	Raw	NO ₃	8.62E+07	1.39E+00	AZ101-16	Y	Changed date 7/6/88 to 3/11/88
m	P	Braun	NO ₃	7.74E+07	1.25E+00	NA	N	Braun data, not used
1	L	TCD	NO ₃	6.83E+07	1.10E+00	NA	Y	Averaged Values; P7 = 68250 ug/mL
1	L	TCD	NO ₃	6.51E+07	1.05E+00	NA	Y	Averaged Values; P6 = 65100 ug/mL

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Rept
Nitrate	7/26/95	NA	3/3/95	B0D9P9	NA	NA	NA	64700	
NaNO3	8/27/81	NS	NS	NS	NS	NS	1.143	9.31E-01	
NO3	12/28/83	NS	NS	NS	NS	NS	NS	7.70E-01	
NO3-	NA	NA	NA	NA	NA	NA	1.12	5.76E-01	
NO3	6/1/84	NS	NS	RAT-AZ101-2B	NS	NS	NS	0.4	
NO3	6/1/84	NS	NS	RAT-AZ101-2A	NS	NS	NS	0.39	
NO3	9/10/84	NA	6/1/84	NA	NA	NA	NA	3.90E-01	
NO3	1/1/81	NS	NS	NS	NS	NS	NS	NS	
NO3	8/7/86	NS	NS	R9964/R0247	NS	NS	1.2	0.08	
OH	12/3/79	NS	NS	1464	NS	NS	1.409	3.04	
OH	12/3/79	NS	NS	1463	NS	NS	1.384	2.94	
OH	12/3/79	NS	NS	1495B	NS	NS	1.448	2.7	
OH	12/3/79	NS	NS	1465	NS	NS	1.41	2.68	
OH	12/3/79	NS	NS	1494A	NS	NS	1.0414	2.66	
OH	12/3/79	NS	NS	1495A	NS	NS	1.419	2.66	
OH	12/3/79	NS	NS	1494B	NS	NS	1.42	2.65	
OH	12/3/79	NS	NS	1466	NS	NS	1.414	2.64	
OH	4/8/86	NA	11/1/85	NA	NA	NA	NA	1.1	
OH	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	1.09	
OH	1/10/86	NA	11/1/85	NA	NA	NA	1.17	1.09	
OH	10/29/90	5/2/90	NA	R101283	NA	NA	NA	1.09	
OH	8/7/86	NS	NS	R9964/R0247	NS	NS	1.2	0.95	
OH	10/29/90	5/2/90	NA	R280187	NA	NA	NA	0.95	
OH	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	0.9	
OH	3/11/88	NA	NA	NA	NA	NA	NA	0.9	
OH	2/8/89	NA	10/1/87	T3493	NA	NA	NA	0.9	
OH	10/30/90	5/2/90	NA	R110388	NA	NA	NA	0.9	
OH	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	0.688	
OH	9/13/85	NA	NA	R130985	NA	NA	NA	0.688	
OH	9/13/85	NA	NA	NA	NA	NA	1.17	0.688	
Hydroxide	7/26/95	NA	3/3/95	B0D9P4	NA	NA	1.2	12500	
Hydroxide	7/26/95	NA	3/3/95	B0D9P4	NA	NA	1.2	11400	
Hydroxide	7/26/95	NA	3/3/95	B0D9P1	NA	NA	1.18	11300	
Hydroxide	7/26/95	NA	3/3/95	B0D9P4	NA	NA	1.2	11300	
Hydroxide	7/26/95	NA	3/3/95	B0D9P1	NA	NA	1.18	11250	
Hydroxide	7/26/95	NA	3/3/95	B0D9P1	NA	NA	1.18	11200	
Hydroxide	7/26/95	NA	3/3/95	B0D9N8	NA	NA	1.2	11200	
Hydroxide	7/26/95	NA	3/3/95	B0D9N8	NA	NA	1.2	11150	
Hydroxide	7/26/95	NA	3/3/95	B0D9N8	NA	NA	1.2	11100	
NaOH	8/27/81	NS	NS	NS	NS	NS	1.143	0.578	
OH	6/1/84	NS	NS	RAT-AZ101-2A	NS	NS	NS	0.212	
OH	9/10/84	NA	6/1/84	NA	NA	NA	NA	0.212	
OH	6/1/84	NS	NS	RAT-AZ101-2B	NS	NS	NS	0.204	
OH	9/10/84	NA	6/1/84	NA	NA	NA	NA	0.204	
OH	12/28/83	NS	NS	R281283	NS	NS	NS	0.19	
OH	12/28/83	NS	NS	NS	NS	NS	NS	0.19	
NaOH	4/26/78	NS	NS	NS	NS	NS	1.133	0.278	
Pb	4/8/86	NA	11/1/85	NA	NA	NA	NA	6.30E-04	

			Analyte Information					
Unit	Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
l	L	TCD	NO ₃	6.47E+07	1.04E+00	NA	Y	Averaged Values; P9 = 64700 ug/mL
	L	Raw	NO ₃	5.77E+07	9.31E-01	AZ101-3	N	Pre - Q3, 1984 - may not be representative
	L	Raw	NO ₃	4.77E+07	7.70E-01	AZ101-4	N	Pre - Q3, 1984 - may not be representative
L	L	HTCE Inv.	NO ₃	3.57E+07	5.76E-01	NA	N	HTCE Data
/l	P	Braun	NO ₃	2.48E+07	4.00E-01	NA	N	Braun data, not used
/l	P	Braun	NO ₃	2.42E+07	3.90E-01	NA	N	Duplicate of Raw AZ101-5 2.42E+07 ug/L, Braun data, not used
	L	Raw	NO ₃	2.42E+07	3.90E-01	AZ101-6	Y	
	L	TRAC	NO ₃	2.28E+07	3.68E-01	NA	N	Pre - Q3, 1984 - may not be representative, TRAC data, not used
/l	P	Braun	NO ₃	4.96E+06	8.00E-02	NA	N	Braun data, not used
	L	RAW	OH	1.22E+08	7.18E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	RAW	OH	1.18E+08	6.94E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	RAW	OH	1.08E+08	6.35E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	RAW	OH	1.07E+08	6.29E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	RAW	OH	1.06E+08	6.24E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	RAW	OH	1.06E+08	6.24E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	RAW	OH	1.06E+08	6.24E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	RAW	OH	1.06E+08	6.24E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	P	RAW	OH	4.40E+07	2.59E+00	AZ101-9	Y	Changed date to 11/1/85 (Nov 1985)
/l	P	Braun	OH	4.36E+07	2.56E+00	NA	N	Braun data, not used
	P	RAW	OH	4.36E+07	2.56E+00	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985)
	P	RAW	OH	4.36E+07	2.56E+00	AZ101-21	Y	Later analysis?
/l	P	Braun	OH	3.80E+07	2.24E+00	NA	N	Braun data, not used
	P	RAW	OH	3.80E+07	2.24E+00	AZ101-21	Y	
/l	P	Braun	OH	3.60E+07	2.12E+00	NA	N	Braun data, not used
	P	RAW	OH	3.60E+07	2.12E+00	AZ101-15	N	Duplicate of AZ101-14 data
	P	RAW	OH	3.60E+07	2.12E+00	AZ101-16	Y	
	P	RAW	OH	3.60E+07	2.12E+00	AZ101-21	Y	Later analysis?
/l	P	Braun	OH	2.75E+07	1.62E+00	NA	N	Braun data, not used
	P	RAW	OH	2.75E+07	1.62E+00	AZ101-7	N	Duplicate of AZ101-6 data
	P	RAW	OH	2.75E+07	1.62E+00	AZ101-7	Y	
l	L	TCD	OH	1.25E+07	7.35E-01	NA	N	Duplicate!
l	L	TCD	OH	1.14E+07	6.71E-01	NA	Y	Averaged Values; P4 = 11400 ug/mL
l	L	TCD	OH	1.13E+07	6.65E-01	NA	N	Duplicate!
l	L	TCD	OH	1.13E+07	6.65E-01	NA	N	Duplicate!
l	L	TCD	OH	1.13E+07	6.62E-01	NA	Y	Averaged Values; P1 = 11250 ug/mL
l	L	TCD	OH	1.12E+07	6.59E-01	NA	N	Duplicate!
l	L	TCD	OH	1.12E+07	6.59E-01	NA	N	Duplicate!
l	L	TCD	OH	1.12E+07	6.56E-01	NA	Y	Averaged Values; N8 = 11150 ug/mL
l	L	TCD	OH	1.11E+07	6.53E-01	NA	N	Duplicate!
	F	RAW	OH	9.83E+06	5.78E-01	AZ101-3	N	Pre - Q3, 1984 - may not be representative
/l	P	Braun	OH	8.48E+06	4.99E-01	NA	N	Braun data, not used
	P	RAW	OH	8.48E+06	4.99E-01	AZ101-6	Y	
/l	P	Braun	OH	8.16E+06	4.80E-01	NA	N	Braun data, not used
	P	RAW	OH	8.16E+06	4.80E-01	AZ101-6	Y	
	P	RAW	OH	7.60E+06	4.47E-01	AZ101-4	N	Pre - Q3, 1984 - may not be representative
	L	RAW	OH	7.60E+06	4.47E-01	AZ101-4	N	Pre - Q3, 1984 - may not be representative
	L	RAW	OH	4.73E+06	2.78E-01	AZ101-1	N	Pre - Q3, 1984 - may not be representative
	L	Raw	Pb	1.31E+05	6.30E-04	AZ101-9	N	Changed date to 11/1/85 (Nov 1985), Slurry Sample

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Repts
Pb	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.0004	n
Pb	1/10/86	NA	11/1/85	NA	NA	NA	1.17	4.00E-04	
Pb	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.019	un
Pb	May 89	NS	NS	NS	NS	NS	NS	4.80E-03	
Pb2 +	NA	NA	NA	NA	NA	NA	1.12	7.89E-06	A
Pb	1/1/81	NS	NS	NS	NS	NS	NS	NS	
PO4	4/8/86	NA	11/1/85	NA	NA	NA	NA	<0.025	
PO4	12/28/83	NS	NS	NS	NS	NS	NS	7.70E-02	
Na3PO4	8/27/81	NS	NS	NS	NS	NS	1.143	3.84E-02	
PO4	12/3/79	NS	NS	1495B	NS	NS	1.448	2.94E-02	
PO4	12/3/79	NS	NS	1495A	NS	NS	1.419	2.90E-02	
PO4	12/3/79	NS	NS	1494A	NS	NS	1.0414	2.83E-02	
PO4	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.028	nt
PO4	12/3/79	NS	NS	1465	NS	NS	1.41	2.80E-02	
PO4	1/10/86	NA	11/1/85	NA	NA	NA	1.17	2.80E-02	
PO4	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	22.8	un
PO4	12/3/79	NS	NS	1494B	NS	NS	1.42	2.73E-02	
PO4	12/3/79	NS	NS	1464	NS	NS	1.409	2.60E-02	
PO4	12/3/79	NS	NS	1466	NS	NS	1.414	2.40E-02	
PO4	12/3/79	NS	NS	1463	NS	NS	1.384	2.20E-02	
PO4	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.017	mr
PO4	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	0.017	mt
PO4	3/11/88	NA	NA	T3493	NA	NA	NA	1.70E-02	
PO4	3/11/88	NA	NA	T3493	NA	NA	NA	1.70E-02	
PO4	2/8/89	NA	10/1/87	T3493	NA	NA	NA	1.70E-02	
Phosphate	7/26/95	NA	3/3/95	B0D9P9	NA	NA	NA	1365	U
Phosphate	7/26/95	NA	3/3/95	B0D9P7	NA	NA	NA	1335	U
PO43-	NA	NA	NA	NA	NA	NA	1.12	1.39E-02	N
Phosphate	7/26/95	NA	3/3/95	B0D9P6	NA	NA	NA	1220	U
PO4--	May 89	NS	NS	NS	NS	NS	NS	3.24E-01	
Se	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.003	mn
Se	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.003	m
Se	9/29/89	NA	4/1/89	Core 1	NS	NS	1.2	0.0000633	m
SO4	12/3/79	NS	NS	1495A	NS	NS	1.419	2.31E-01	
SO4--	May 89	NS	NS	NS	NS	NS	NS	1.88E+01	
SO4	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	160	um
Sulfate	7/26/95	NA	3/3/95	B0D9P7	NA	NA	NA	16000	U
SO4	3/11/88	NA	NA	T3494	NA	NA	NA	1.62E-01	
SO4	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	0.16	m
SO4	3/11/88	NA	NA	T3493	NA	NA	NA	1.60E-01	
SO4	2/8/89	NA	10/1/87	T3493	NA	NA	NA	1.60E-01	
Sulfate	7/26/95	NA	3/3/95	B0D9P6	NA	NA	NA	15200	U

			Analyte Information					
Unit	Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
/l	P	Braun	Pb	8.29E+04	4.00E-04	NA	N	Braun data, not used
	L	Raw	Pb	8.29E+04	4.00E-04	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985)
m	P	Braun	Pb	4.80E+03	2.32E-05	NA	N	Braun data, not used
	P	Wastren	Pb	4.80E+03	2.32E-05	NA	N	Wastren data, not used
L	L	HTCE Inv.	Pb	1.63E+03	7.89E-06	NA	N	HTCE Data
	L	TRAC	Pb	4.27E-01	2.06E-09	NA	N	TRAC data, not used
	L	Raw	PO ₄	#VALUE!	#VALUE!	AZ101-9	Y	< Value / Changed date to 11/1/85 (Nov 1985)
	L	Raw	PO ₄	7.31E+06	7.70E-02	AZ101-4	N	Pre - Q3, 1984 - may not be representative
	L	Raw	PO ₄	3.65E+06	3.84E-02	AZ101-3	N	Pre - Q3, 1984 - may not be representative
	L	Raw	PO ₄	2.79E+06	2.94E-02	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	PO ₄	2.75E+06	2.90E-02	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	PO ₄	2.69E+06	2.83E-02	AZ101-2	N	Pre - Q3, 1984 - may not be representative
/l	P	Braun	PO ₄	2.66E+06	2.80E-02	NA	N	Braun data, not used
	L	Raw	PO ₄	2.66E+06	2.80E-02	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	PO ₄	2.66E+06	2.80E-02	AZ101-8	Y	< Value / Changed date to 11/1/85 (Nov 1985)
m	P	Braun	PO ₄	2.64E+06	2.78E-02	NA	N	Braun data, not used
	L	Raw	PO ₄	2.59E+06	2.73E-02	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	PO ₄	2.47E+06	2.60E-02	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	PO ₄	2.28E+06	2.40E-02	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	PO ₄	2.09E+06	2.20E-02	AZ101-2	N	Pre - Q3, 1984 - may not be representative
m	P	Braun	PO ₄	1.94E+06	2.04E-02	NA	N	Braun data, not used
/l	P	Braun	PO ₄	1.61E+06	1.70E-02	NA	N	Duplicate of Raw T3493 AZ101-14, Braun data, not used
	L	Raw	PO ₄	1.61E+06	1.70E-02	AZ101-15	N	Changed date 7/6/88 to 3/11/88 and sample # T3494 to T3493 / Duplicate of Raw T3493, AZ101-14
	L	Raw	PO ₄	1.61E+06	1.70E-02	AZ101-15	N	Duplicate of Raw T3493 AZ101-14 / Changed/added sample # T3493
	L	Raw	PO ₄	1.61E+06	1.70E-02	AZ101-16	Y	Changed date 7/6/88 to 3/11/88
/l	L	TCD	PO ₄	1.37E+06	1.44E-02	NA	Y	Averaged Values; p9 = 1365 ug/mL
/l	L	TCD	PO ₄	1.34E+06	1.41E-02	NA	Y	Averaged Values; p7 = 1335 ug/mL
L	L	HTCE Inv.	PO ₄	1.32E+06	1.39E-02	NA	N	HTCE Data
/l	L	TCD	PO ₄	1.22E+06	1.28E-02	NA	Y	Averaged Values; p6 = 1220 ug/mL
	P	Wastren	PO ₄	3.24E+05	3.41E-03	NA	N	Wastren data, not used
m	P	Braun	Se	2.84E+05	3.60E-03	NA	N	Braun data, not used
g	P	RAW	Se	2.84E+05	3.60E-03	AZ101-24	Y	
g	L	RAW	Se	6.00E+03	7.60E-05	AZ101-24	N	
	L	Raw	SO ₄	2.22E+07	2.31E-01	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	P	Wastren	SO ₄	1.88E+07	1.96E-01	NA	N	Duplicate of Braun RAT-AZ101-5A, Wastren data, not used
m	P	Braun	SO ₄	1.88E+07	1.95E-01	NA	N	Braun data, not used
/l	L	TCD	SO ₄	1.60E+07	1.67E-01	NA	Y	Averaged Values; P7 = 16000 ug/mL
	L	Raw	SO ₄	1.56E+07	1.62E-01	AZ101-15	Y	
/l	P	Braun	SO ₄	1.54E+07	1.60E-01	NA	N	Duplicate of Raw T3493 AZ101-14, Braun data, not used
	L	Raw	SO ₄	1.54E+07	1.60E-01	AZ101-15	N	Changed/added sample # T3493 / Duplicate of Raw T3493 AZ101-14
	L	Raw	SO ₄	1.54E+07	1.60E-01	AZ101-16	Y	Changed date 7/6/88 to 3/11/88
/l	L	TCD	SO ₄	1.52E+07	1.58E-01	NA	Y	Averaged Values; P6 = 15200 ug/mL

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Rep
Sulfate	7/26/95	NA	3/3/95	B0D9P9	NA	NA	NA	15100	l
SO4	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.13	mr
SO4	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.151	n
SO4	1/10/86	NA	11/1/85	NA	NA	NA	1.17	1.51E-01	
SO4	4/8/86	NA	11/1/85	NA	NA	NA	NA	1.50E-01	
SO42-	NA	NA	NA	NA	NA	NA	1.12	1.21E-01	h
SO4	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	0.105	n
SO4	9/13/85	NA	NA	NA	NA	NA	1.17	1.05E-01	
SO4	12/3/79	NS	NS	1494A	NS	NS	1.0414	5.30E-02	
SO4	6/1/84	NS	NS	RAT-AZ101-2B	NS	NS	NS	0.025	it
SO4	6/1/84	NS	NS	RAT-AZ101-2A	NS	NS	NS	0.023	rr
SO4	9/10/84	NA	6/1/84	NA	NA	NA	NA	2.30E-02	
SO4	1/1/81	NS	NS	NS	NS	NS	NS	NS	
SO4	12/28/83	NS	NS	NS	NS	NS	NS	1.00E-02	
SO4	8/7/86	NS	NS	R9964/R0247	NS	NS	1.2	0.00688	rr
Sr	9/1/89	NS	NS	RAT-AZ101	NS	NS	1.2	0.00001	mr
Sr	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.00001	n
Sr	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	0.002	u
Sr	9/1/90	NS	NS	RAT-AZ101	NS	NS	1.22	0.002	un
Sr	5/1/89	NS	NS	NS	NS	NS	NS	0.000214	
Sr	1/10/86	NA	11/1/85	NA	NA	NA	NA	0.0000609	
Te	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	0.017	u
Te	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.017	ur
Te	5/1/89	NS	NS	NS	NS	NS	NS	0.00265	
TOC	4/26/78	NS	NS	NS	NS	NS	1.133	2.80E+01	
TOC	12/3/79	NS	NS	1495B	NS	NS	1.448	1.70E+01	
TOC	12/3/79	NS	NS	1495A	NS	NS	1.419	1.61E+01	
TOC	12/3/79	NS	NS	1494A	NS	NS	1.0414	1.58E+01	
TOC	12/3/79	NS	NS	1465	NS	NS	1.41	1.36E+01	
TOC	12/3/79	NS	NS	1466	NS	NS	1.414	1.36E+01	
TOC	12/3/79	NS	NS	1494B	NS	NS	1.42	1.31E+01	
TOC	12/3/79	NS	NS	1463	NS	NS	1.384	1.16E+01	
TOC	12/3/79	NS	NS	1464	NS	NS	1.409	1.16E+01	
TOC	12/3/79	NS	NS	1494A	NS	NS	1.0414	9.84E+00	
TOC	12/3/79	NS	NS	1494B	NS	NS	1.42	9.08E+00	
TOC	12/28/83	NS	NS	NS	NS	NS	NS	7.31E-01	
TOC	8/27/81	NS	NS	NS	NS	NS	1.143	3.06E+00	
TOC	1/10/86	NA	11/1/85	NA	NA	NA	NA	2.29E+00	
TOC wt% C (wet)	NA	NA	NA	NA	NA	NA	1.12	1.67E-01	
TOC	4/8/86	NA	11/1/85	NA	NA	NA	NS	1.70E+00	
TOC	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	1.09	

			Analyte Information					
Unit	Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
il	L	TCD	SO ₄	1.51E+07	1.57E-01	NA	Y	Averaged Values; P9 = 15100 ug/mL
ym	P	Braun	SO ₄	1.50E+07	1.56E-01	NA	N	Braun data, not used
/l	P	Braun	SO ₄	1.45E+07	1.51E-01	NA	N	Duplicate of Raw AZ101-7 1.45E+07 ug/L, Braun data, not used
	L	Raw	SO ₄	1.45E+07	1.51E-01	AZ101-8	Y	Changed date to 11/1/85 (Nov 1985)
	P	Raw	SO ₄	1.44E+07	1.50E-01	AZ101-9	Y	Changed code L to P added sample state Supernatant / Changed date to 11/1/85 (Nov 1985)
L	L	HTCE Inv.	SO ₄	1.16E+07	1.21E-01	NA	N	HTCE Data
/l	P	Braun	SO ₄	1.01E+07	1.05E-01	NA	N	Duplicate of Raw AZ101-6 1.01E7 ug/L, Braun data, not used
	L	Raw	SO ₄	1.01E+07	1.05E-01	AZ101-7	Y	
	L	Raw	SO ₄	5.09E+06	5.31E-02	AZ101-2	N	Pre - Q3, 1984 - may not be representative
/l	P	Braun	SO ₄	2.40E+06	2.50E-02	NA	N	Braun data, not used
/l	P	Braun	SO ₄	2.21E+06	2.30E-02	NA	N	Duplicate of Raw AZ101-5 2.21E+06 ug/L, Braun data, not used
	L	Raw	SO ₄	2.21E+06	2.30E-02	AZ101-6	Y	
	L	TRAC	SO ₄	1.21E+06	1.27E-02	NA	N	TRAC data - not used
	L	Raw	SO ₄	9.61E+05	1.00E-02	AZ101-4	N	Pre - Q3, 1984 - may not be representative
/l	P	Braun	SO ₄	6.61E+05	6.89E-03	NA	N	Braun data, not used
ym	P	Braun	Sr	1.05E+03	1.20E-05	NA	N	Duplicate of Raw AZ101-22 1.05E+03 ug/L, Braun data, not used
g	P	RAW	Sr	1.05E+03	1.20E-05	AZ101-24	Y	Total Srl
g	P	RAW	Sr	2.17E+02	2.48E-06	AZ101-19	Y	Total Srl
m	P	Braun	Sr	2.14E+02	2.44E-06	NA	N	Braun data, not used
	P	Wastren	Sr	2.14E+02	2.44E-06	NA	N	Duplicate of Braun RAT-AZ101 2.14E+02 ug/L, Wastren data, not used
	P	RAW	Sr	6.70E-02	7.65E-10	AZ101-8	N	Slurry sample / Changed date to 11/1/85 (Nov 1985)
g	P	RAW	Te	2.69E+03	2.11E-05	AZ101-19	Y	
m	P	Braun	Te	2.65E+03	2.08E-05	NA	N	Braun data, not used
	P	Wastren	Te	2.65E+03	2.08E-05	NA	N	Wastren data, not used
	L	Raw	TOC	2.80E+07	2.33E+00	AZ101-1	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	1.70E+07	1.42E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	1.61E+07	1.34E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	1.58E+07	1.32E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	1.36E+07	1.13E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	1.36E+07	1.13E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	1.31E+07	1.09E+00	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	1.16E+07	9.67E-01	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	1.16E+07	9.67E-01	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	9.84E+06	8.20E-01	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	9.08E+06	7.57E-01	AZ101-2	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	8.78E+06	7.32E-01	AZ101-4	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	3.06E+06	2.55E-01	AZ101-3	N	Pre - Q3, 1984 - may not be representative
	L	Raw	TOC	2.29E+06	1.91E-01	AZ101-8	N	Slurry Sample / Changed date to 11/1/85 (Nov 1985)
	L	HTCE Inv.	TOC	1.87E+06	1.56E-01	NA	N	HTCE Data
	L	Raw	TOC	1.70E+06	1.42E-01	AZ101-9	N	Slurry Sample / Changed date to 11/1/85 (Nov 1985)
	P	Braun	TOC	1.09E+06	9.08E-02	NA	N	Braun data, not used

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
TOC	9/13/85	NA	NA	NA	NA	NA	1.17	1.09E+00	
Total organic carbon	7/26/95	NA	3/3/95	B0D9P9	NA	NA	NA	1090	U
Total organic carbon	7/26/95	NA	3/3/95	B0D9P7	NA	NA	NA	1075	U
Total organic carbon	7/26/95	NA	3/3/95	B0D9P6	NA	NA	NA	938	U
TOC	11/18/85	NS	NS	RAT-AZ101-1	NS	NS	1.17	0.562	
TOC	1/10/86	NA	11/1/85	NA	NA	NA	1.17	5.62E-01	
TOC	10/1/87	NS	NS	RAT-AZ101-6A	NS	NS	NS	0.43	
TOC	3/11/88	NA	NA	NA	NA	NA	NA	4.30E-01	
TOC	3/11/88	NA	NA	T3493	NA	NA	NA	4.30E-01	
TOC	2/8/89	NA	10/1/87	T3493	NA	NA	NA	4.30E-01	
TOC	May 89	NS	NS	NS	NS	NS	NS	1.24E-01	
U	1/10/86	NA	11/1/85	NA	NA	NA	NA	0.311	
U	9/1/89	NS	NS	RAT-AZ101-4A	NS	NS	1.2	0.000025	mg
U	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.000025	mg
U	9/13/85	NS	NS	RAT-AZ101-3A	NS	NS	1.17	0.0059	
U	9/13/85	NA	NA	NA	NA	NA	1.17	0.0059	
U	9/29/89	NA	4/1/89	Core 1	NA	NA	1.2	0.0000175	mg
U	11/18/85	NS	NS	RAT-AZ101-1A	NS	NS	NS	0.0049	
U	9/13/85	NA	NA	NA	NA	NA	1.17	0.000106	
V	9/1/93	NA	4/1/89	Core 2	NA	NA	1.24	0.014	ur
V	9/1/90	NS	NS	RAT-AZ101-5A	NS	NS	1.22	0.014	um
V	5/1/89	NS	NS	NS	NS	NS	NS	0.00087	

			Analyte Information					
Unit	Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
	L	Raw	TOC	1.09E+06	9.08E-02	AZ101-7	Y	Changed units M to g/L (fixed conversion)
	L	TCD	TOC	1.09E+06	9.08E-02	NA	Y	Averaged Values; P9 = 1090 ug/mL
	L	TCD	TOC	1.08E+06	8.96E-02	NA	Y	Averaged Values; P7 = 1075 ug/mL
	L	TCD	TOC	9.38E+05	7.82E-02	NA	Y	Averaged Values; P6 = 938 ug/mL
	P	Braun	TOC	5.62E+05	4.68E-02	NA	N	Duplicate of Raw AZ101-7 5.62E+05 ug/L, Braun data, not used
	P	Raw	TOC	5.62E+05	4.68E-02	AZ101-8	Y	Changed code L to P and added sample state Supernatant / Changed date to 11/1/85 (Nov 1985)
	P	Braun	TOC	4.30E+05	3.58E-02	NA	N	Duplicate of Raw AZ101-14 T3493, Braun data, not used
	L	Raw	TOC	4.30E+05	3.58E-02	AZ101-15	N	Changed units M to g/L (fixed conversion) / Duplicate of Raw AZ101-14 T3493
	L	Raw	TOC	4.30E+05	3.58E-02	AZ101-15	N	Changed date 7/6/88 to 3/11/88 and sample # T3494 to T3493 / Duplicate of Raw T3493
	L	Raw	TOC	4.30E+05	3.58E-02	AZ101-16	Y	Changed date 7/6/88 to 3/11/88
	P	Wastren	TOC	1.24E+05	1.03E-02	NA	N	Wastren data, not used
	P	RAW	U	3.11E+05	1.31E-03	AZ101-8	N	Changed date to 11/1/85 (Nov 1985), Slurry sample
n	P	Braun	U	7.14E+03	3.00E-05	NA	N	Braun data, not used
j	P	RAW	U	7.14E+03	3.00E-05	AZ101-24	Y	
	P	Braun	U	5.90E+03	2.48E-05	NA	N	Braun data, not used
	P	RAW	U	5.90E+03	2.48E-05	AZ101-7	Y	
i	L	RAW	U	5.00E+03	2.10E-05	AZ101-24	N	Water washed sample
	P	Braun	U	4.90E+03	2.06E-05	NA	N	Braun data, not used
	L	RAW	U	1.06E+02	4.45E-07	AZ101-7	N	Water washed sample
	P	RAW	V	8.84E+02	1.74E-05	AZ101-19	Y	
n	P	Braun	V	8.70E+02	1.71E-05	NA	N	Braun data, not used
	P	Wastren	V	8.70E+02	1.71E-05	NA	N	Wastren data, not used

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Al	1/1/77	NS	NS	NS	NS	NS	NS	NS	NS
Al	10/31/86	NS	6/30/85	NS	NS	NS	1.73	1.99E+03	umol/g
Al	Aug 89	NS	NS	NS	NS	NS	NS	8.00E+01	g/L
Al	10/31/86	NS	6/30/85	NS	NS	NS	1.11	4.82E+02	umol/g
Cd	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	4.82E+02	umol/g
Al3+	NS	NS	NS	NS	NS	NS	1.39	5.18E-01	Mole/L
Al	11/4/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	4.70E-01	moles/l
Al	5/5/82	NS	11/4/81	NS	NS	NS	1.4	4.70E-01	M
Al	2/3/81	NS	NS	R-3699	NS	NS	1.11	2.38E-01	moles/l
Al	2/4/81	NS	NS	R3699	NS	NS	1.11	2.38E-01	M
Al	2/3/81	NS	NS	R-3700	NS	NS	1.11	2.22E-01	moles/l
Al	2/4/81	NS	NS	R3700	NS	NS	1.11	2.22E-01	M
Al	6/25/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	1.80E-01	moles/l
Al	6/26/75	NS	NS	NS	NS	NS	1.392	1.80E-01	M
Al	12/3/75	NS	NS	1456	NS	NS	1.393	1.36E-01	M
Al	7/27/79	NS	NS	RAT-AZ102-4D	NS	NS	1.41	1.35E-01	moles/l
NaAlO2	7/28/79	NS	NS	NS	NS	NS	1.41	1.35E-01	M
AlO2	7/28/79	NS	NS	RAT-AZ102-6	NS	NS	1.41	1.35E-01	moles/l
Al	2/19/82	NS	NS	T3251	NS	NS	1.03	1.30E-01	M
Al	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	1.20E-01	moles/l
Al	5/5/82	NS	NS	NS	NS	NS	1.09	1.20E-01	M
Al	10/30/86	NS	NS	R280783	NS	NS	NS	1.20E-01	M
Al3+	NS	NS	NS	NS	NS	NS	1.04	1.09E-01	Mole/L
Al	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	1.00E-01	moles/l
Al	3/10/84	NS	NS	NS	NS	NS	NS	1.00E-01	M
Al	7/5/84	NS	NS	T3495	NS	NS	NS	1.00E-01	M
Al	10/31/86	NS	NS	R081287	NS	NS	NS	1.00E-01	M
Al	10/21/83	NS	NS	NS	NS	NS	NS	9.70E-02	M
Al	3/10/84	NS	NS	NS	NS	NS	NS	9.70E-02	M
Al	12/13/83	NS	7/31/83	T1521	NS	NS	NS	9.30E-02	M
Al	12/7/83	NS	NS	T1520	NS	NS	NS	8.50E-02	M
Al	10/30/86	NS	NS	R060386	NS	NS	NS	8.50E-02	M
Aluminum	7/26/95	N/A	3/2/91	B0D9Q8	AZ-102-1	S95T000266	1.1	1.56E+03	UG/ml
Aluminum	7/26/95	N/A	3/2/91	B0D9R2	AZ-102-3	S95T000268	1.1	1.55E+03	UG/ml
Aluminum	7/26/95	N/A	3/2/91	B0D9R0	AZ-102-2	S95T000267	1.1	1.55E+03	UG/ml
Aluminum	7/26/95	N/A	3/2/91	B0D9Q8	AZ-102-1	S95T000266	1.1	1.54E+03	UG/ml
Aluminum	7/26/95	N/A	3/2/91	B0D9R0	AZ-102-2	S95T000267	1.1	1.54E+03	UG/ml
Aluminum	7/26/95	N/A	3/2/91	B0D9R2	AZ-102-3	S95T000268	1.1	1.54E+03	UG/ml
Al	8/26/77	NS	NS	RAT-AZ102-4B	NS	NS	1.39	3.10E-02	moles/l
NaAlO2	8/27/77	NS	NS	NS	NS	NS	1.391	3.10E-02	M
Al	9/19/78	NS	NS	RAT-AZ102-4C	NS	NS	1.39	2.40E-02	moles/l
Al	9/20/78	NS	NS	NS	NS	NS	1.39	2.40E-02	M
NaAlO2	4/26/74	NS	NS	NS	NS	NS	1.299	1.90E-02	M
Al	Aug 89	NS	NS	NS	NS	NS	NS	1.05E-01	g/L

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
L	TRAC	AI	NS	NS	NS	N	Analysis Prior to 9/86
BI	Raw	AI	9.29E+07	3.44E+00	AZ102-18	D	NS
G	Wastren	AI	8.00E+07	2.97E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	AI	1.44E+07	5.35E-01	AZ102-18	D	NS
EI	Raw	AI	1.44E+07	5.35E-01	AZ102-23	N	Solid sample after has been washed with fresh water
S	HTCE Inv.	AI	1.40E+07	5.18E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Braun	AI	1.27E+07	4.70E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	AI	1.27E+07	4.70E-01	AZ102-11	N	Analysis Prior to 9/86
P	Braun	AI	6.42E+06	2.38E-01	NS	N	Analysis Prior to 9/86
L	Raw	AI	6.42E+06	2.38E-01	AZ102-8	N	Analysis Prior to 9/86
P	Braun	AI	5.99E+06	2.22E-01	NS	N	Analysis Prior to 9/86
L	Raw	AI	5.99E+06	2.22E-01	AZ102-8	N	Analysis Prior to 9/86
P	Braun	AI	4.86E+06	1.80E-01	NS	N	Analysis Prior to 9/86
L	Raw	AI	4.86E+06	1.80E-01	AZ102-6	N	Analysis Prior to 9/86
L	Raw	AI	3.67E+06	1.36E-01	AZ102-3	N	Analysis Prior to 9/86
P	Braun	AI	3.64E+06	1.35E-01	NS	N	Analysis Prior to 9/86
L	Raw	AI	3.64E+06	1.35E-01	AZ102-5	N	Analysis Prior to 9/86
R	Braun	AI	3.64E+06	1.35E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	AI	3.51E+06	1.30E-01	AZ102-10	N	Analysis Prior to 9/86
P	Braun	AI	3.24E+06	1.20E-01	NS	N	Analysis Prior to 9/86
L	Raw	AI	3.24E+06	1.20E-01	AZ102-11	N	Analysis Prior to 9/86
L	Raw	AI	3.24E+06	1.20E-01	AZ102-20	N	Analysis Prior to 9/86
L	HTCE Inv.	AI	2.94E+06	1.09E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	AI	2.70E+06	1.00E-01	NS	N	Analysis Prior to 9/86
L	Raw	AI	2.70E+06	1.00E-01	AZ102-16	N	Analysis Prior to 9/86
L	Raw	AI	2.70E+06	1.00E-01	AZ102-16	N	Analysis Prior to 9/86
L	Raw	AI	2.70E+06	1.00E-01	AZ102-22	N	Not a traceable reference
L	Raw	AI	2.62E+06	9.70E-02	AZ102-13	N	Analysis Prior to 9/86
L	Raw	AI	2.62E+06	9.70E-02	AZ102-16	N	Analysis Prior to 9/86
S	Raw	AI	2.51E+06	9.30E-02	AZ102-14	N	No units for concentration given in report
L	Raw	AI	2.29E+06	8.50E-02	AZ102-14	N	Analysis Prior to 9/86
L	Raw	AI	2.29E+06	8.50E-02	AZ102-21	N	Not a traceable reference
P-2	Raw	AI	1.56E+06	5.78E-02	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	AI	1.55E+06	5.74E-02	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	AI	1.55E+06	5.74E-02	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	AI	1.54E+06	5.71E-02	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	AI	1.54E+06	5.71E-02	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	AI	1.54E+06	5.71E-02	AZ102-24	Y	Updated per memo 8/17/95
P	Braun	AI	8.36E+05	3.10E-02	NS	N	Analysis Prior to 9/86
F	Raw	AI	8.36E+05	3.10E-02	AZ102-4	N	Analysis Prior to 9/86
P	Braun	AI	6.48E+05	2.40E-02	NS	N	Analysis Prior to 9/86
L	Raw	AI	6.48E+05	2.40E-02	AZ102-6	N	Analysis Prior to 9/86
L	Raw	AI	5.13E+05	1.90E-02	AZ102-1	N	Analysis Prior to 9/86
P	Wastren	AI	1.05E+05	3.89E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Al	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	3.30E+00	umol/g
Al	10/31/86	NS	6/30/85	NS	NS	NS	1.14	3.30E+00	umol/g
Al	11/4/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	2.00E-03	moles/l
Al	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	1.51E+00	umol/g
Al	1/30/82	NS	NS	T-5387	NS	NS	1.008	1.19E-03	moles/l
Al	2/19/82	NS	NS	T5387	NS	NS	1.008	1.19E-03	M
Al	10/31/86	NS	6/30/85	NS	NS	NS	NS	1.51E+00	umol/g
Al	5/3/86	NS	NS	L1	NS	NS	NS	5.62E+02	umol/g
Al	5/3/86	NS	NS	L3	NS	NS	NS	1.61E+03	umol/g
Al	5/3/86	NS	NS	L4	NS	NS	NS	1.70E+03	umol/g
Al	12/3/75	NS	NS	1458	NS	NS	1.391	1.36E-01	M
Al	12/3/75	NS	NS	1457	NS	NS	1.398	1.27E-01	M
Al	12/3/75	NS	NS	1459	NS	NS	1.386	1.23E-01	M
Al	12/3/75	NS	NS	1496D	NS	NS	1.36	1.13E-01	M
Al	12/3/75	NS	NS	1496C	NS	NS	1.379	1.11E-01	M
Al	12/3/75	NS	NS	1496B	NS	NS	1.38	1.09E-01	M
Al	12/3/75	NS	NS	1496A	NS	NS	1.378	1.06E-01	M
As	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	<1.20e-02	umol/g
Ce	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	<1.90e+00	umol/g
As	8/1/85	NS	NS	NS	NS	NS	NS	4.42E-03	g/L
As	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	5.00E-02	umol/g
As	10/31/86	NS	6/30/85	NS	NS	NS	1.14	5.00E-02	umol/g
As	10/31/86	NS	6/30/85	NS	NS	NS	NS	5.00E-02	umol/g
As	12/13/83	NS	7/31/83	T1520	NS	NS	NS	2.80E+00	ppm
Ba	10/31/86	NS	6/30/85	NS	NS	NS	1.73	4.03E+00	umol/g
Ba	NS	NS	NS	NS	NS	NS	NS	8.25E-01	g/L
Ba	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	2.76E-03	moles/l
Ba	10/31/86	NS	6/30/85	NS	NS	NS	1.11	1.02E+00	umol/g
Ce	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	1.02E+00	umol/g
Ba	NS	NS	NS	NS	NS	NS	NS	8.10E-04	g/L
Ba	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	5.00E-03	umol/g
Ba	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	2.00E-03	umol/g
Be	10/31/86	NS	6/30/85	NS	NS	NS	1.73	1.50E+00	umol/g
Be	8/1/85	NS	NS	NS	NS	NS	NS	2.01E-02	g/L
Be	10/31/86	NS	6/30/85	NS	NS	NS	1.11	4.70E-01	umol/g
Ce	10/31/86	NS	6/30/85	Composite Core	NS	NS	1.11	4.70E-01	umol/g

Waste Characterization Database							
Link 241-AZ-102							
Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
CI	Raw	Al	1.01E+05	3.76E-03	AZ102-23	Y	
CI	Raw	Al	1.01E+05	3.76E-03	AZ102-18	D	NS
R	Braun	Al	5.40E+04	2.00E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
FI	Raw	Al	4.07E+04	1.51E-03	AZ102-23	N	Water wash of solid sample not supernatent
P	Braun	Al	3.21E+04	1.19E-03	NS	N	Analysis Prior to 9/86
L	Raw	Al	3.21E+04	1.19E-03	AZ102-9	N	Analysis Prior to 9/86
FI	Raw	Al	0.00E+00	0.00E+00	AZ102-18	D	NS
S	Raw	Al	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
S	Raw	Al	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
S	Raw	Al	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
L	Raw	Al	3.67E+06	1.36E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	Al	3.43E+06	1.27E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	Al	3.32E+06	1.23E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	Al	3.05E+06	1.13E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	Al	2.99E+06	1.11E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	Al	2.94E+06	1.09E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	Al	2.86E+06	1.06E-01	AZ102-3	N	Analysis Prior to 9/86
FI	Raw	As	#VALUE!	#VALUE!	AZ102-18	N	Water wash of solid sample not supernatent
EI	Raw	As	#VALUE!	#VALUE!	AZ102-18	N	Solid sample after has been washed with fresh water
P	Wastren	As	4.42E+03	5.90E-05	NS	N	Analysis Prior to 9/86
CI	Raw	As	4.27E+03	5.70E-05	AZ102-23	Y	
CI	Raw	As	4.27E+03	5.70E-05	AZ102-18	D	NS
P	Raw	As	0.00E+00	0.00E+00	AZ102-18	N	Point in DB already cc 8/15/95
L	Raw	As	0.00E+00	0.00E+00	AZ102-14	N	Wrong Reference no As measured in referenced report
BI	Raw	Ba	9.57E+05	6.97E-03	AZ102-18	D	NS
G	Wastren	Ba	8.25E+05	6.01E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Braun	Ba	3.79E+05	2.76E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	Ba	1.55E+05	1.13E-03	AZ102-18	D	NS
EI	Raw	Ba	1.55E+05	1.13E-03	AZ102-23	N	Solid sample after has been washed with fresh water
P	Wastren	Ba	8.10E+02	5.90E-06	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Ba	7.83E+02	5.70E-06	AZ102-23	Y	
FI	Raw	Ba	2.75E+02	2.00E-06	AZ102-18	N	Water wash of solid sample not supernatent
BI	Raw	Be	2.34E+04	2.60E-03	AZ102-18	D	NS
G	Wastren	Be	2.01E+04	2.23E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	Be	4.70E+03	5.22E-04	AZ102-18	D	NS
EI	Raw	Be	4.70E+03	5.22E-04	AZ102-23	N	Solid sample after has been washed with fresh water

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Be	NS	NS	NS	NS	NS	NS	NS	1.17E-04	g/L
Be	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.10E-02	umol/g
Be	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.10E-02	umol/g
Be	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	2.00E-03	umol/g
Ca	10/31/86	NS	6/30/85	NS	NS	NS	1.73	7.54E+01	umol/g
Ca	NS	NS	NS	NS	NS	NS	NS	4.50E+00	g/L
Ca	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	3.40E-02	moles/l
Ca	10/31/86	NS	6/30/85	NS	NS	NS	1.11	2.01E+01	umol/g
Cl	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	2.01E+01	umol/g
Ca	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	1.60E-03	moles/l
Ca	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	8.63E-04	moles/l
Ca	2/4/81	NS	NS	R-3700	NS	NS	1.11	5.36E-04	moles/l
Ca	2/4/81	NS	NS	R-3699	NS	NS	1.11	4.76E-04	moles/l
Ca	NS	NS	NS	NS	NS	NS	NS	6.24E-03	g/L
Ca	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.32E-01	umol/g
Ca	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.32E-01	umol/g
Ca	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	8.20E-02	umol/g
Cd	10/31/86	NS	6/30/85	NS	NS	NS	1.73	1.33E+02	umol/g
Cd	8/1/85	NS	NS	NS	NS	NS	NS	2.23E+01	g/L
Cd	10/31/86	NS	6/30/85	NS	NS	NS	1.11	3.28E+01	umol/g
Cl	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	3.28E+01	umol/g
Cd	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	5.69E-04	moles/l
Cd	NS	NS	NS	NS	NS	NS	NS	1.99E-03	g/L
Cd	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.50E-02	umol/g
Cd	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.50E-02	umol/g
Cd	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	5.00E-03	umol/g
Ce	10/31/86	NS	6/30/85	NS	NS	NS	1.11	1.83E+00	umol/g
Cl	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	1.83E+00	umol/g
Ce	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	5.03E-04	moles/l
Ce	8/1/85	NS	NS	NS	NS	NS	NS	1.22E-02	g/L
Ce	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	7.40E-02	umol/g
Ce	10/31/86	NS	6/30/85	NS	NS	NS	1.14	7.40E-02	umol/g

Code	Source	Analyte Information			Reference Number	Validated (Y/N)	Notes
		Analyte	Conc. (ug/L)	Conc. (mol/L)			
P	Wastren	Be	1.17E+02	1.30E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Be	1.13E+02	1.25E-05	AZ102-23	Y	
CI	Raw	Be	1.13E+02	1.25E-05	AZ102-18	D	NS
FI	Raw	Be	1.80E+01	2.00E-06	AZ102-18	N	Water wash of solid sample not supernatant
BI	Raw	Ca	5.23E+06	1.30E-01	AZ102-18	D	NS
G	Wastren	Ca	4.50E+06	1.12E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Braun	Ca	1.36E+06	3.40E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	Ca	8.94E+05	2.23E-02	AZ102-18	D	NS
EI	Raw	Ca	8.94E+05	2.23E-02	AZ102-23	N	Solid sample after has been washed with fresh water
P	Braun	Ca	6.41E+04	1.60E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
Y	Braun	Ca	3.46E+04	8.63E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Ca	2.15E+04	5.36E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Ca	1.91E+04	4.76E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Wastren	Ca	6.24E+03	1.56E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Ca	6.03E+03	1.50E-04	AZ102-23	Y	
CI	Raw	Ca	6.03E+03	1.50E-04	AZ102-18	D	NS
FI	Raw	Ca	3.29E+03	8.20E-05	AZ102-18	N	Water wash of solid sample not supernatant
BI	Raw	Cd	2.59E+07	2.30E-01	AZ102-18	D	NS
G	Wastren	Cd	2.23E+07	1.98E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	Cd	4.09E+06	3.64E-02	AZ102-18	D	NS
EI	Raw	Cd	4.09E+06	3.64E-02	AZ102-23	N	Solid sample after has been washed with fresh water
S	Braun	Cd	6.40E+04	5.69E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Wastren	Cd	1.99E+03	1.77E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Cd	1.92E+03	1.71E-05	AZ102-23	Y	
CI	Raw	Cd	1.92E+03	1.71E-05	AZ102-18	D	NS
FI	Raw	Cd	5.62E+02	5.00E-06	AZ102-18	N	Water wash of solid sample not supernatant
EI	Raw	Ce	2.85E+05	2.03E-03	AZ102-18	D	NS
EI	Raw	Ce	2.85E+05	2.03E-03	AZ102-23	N	Solid sample after has been washed with fresh water
S	Braun	Ce	7.05E+04	5.03E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Wastren	Ce	1.22E+04	8.71E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Ce	1.18E+04	8.44E-05	AZ102-23	Y	
CI	Raw	Ce	1.18E+04	8.44E-05	AZ102-18	D	NS

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Ce	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	1.10E-02	umol/g
Chloride	7/26/95	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	<1.21e+02	UG/ml
Chloride	7/26/95	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	<1.21e+02	UG/ml
Cl	12/13/83	NS	7/31/83	T1521	NS	NS	NS	<6.00e-01	M
Chloride	7/26/95	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	<6.60e+01	UG/ml
Chloride	7/26/95	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	<6.60e+01	UG/ml
Chloride	7/26/95	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	<6.60e+01	UG/ml
Chloride	7/26/95	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	<6.60e+01	UG/ml
Cl	1/1/77	NS	NS	NS	NS	NS	NS	NS	NS
Cl	12/7/83	NS	NS	T1520	NS	NS	NS	6.10E-02	M
Cl-	NS	NS	NS	NS	NS	NS	1.39	4.90E-02	Mole/L
Cl-	NS	NS	NS	NS	NS	NS	1.04	1.74E-02	Mole/L
Cl	10/31/86	NS	6/30/85	NS	NS	NS	1.73	4.15E+00	umol/g
Cl	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	7.00E-03	moles/l
Cl	3/10/84	NS	7/31/83	T3495	NS	NS	NS	7.00E-03	M
Cl	3/10/84	NS	7/31/83	NS	NS	NS	NS	7.00E-03	M
Cl	7/5/84	NS	7/31/83	T3495	NS	NS	NS	7.00E-03	M
Cl-	Aug 89	NS	NS	NS	NS	NS	NS	2.19E-01	g/L
Cl	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	5.00E-03	moles/l
Cl	6/26/75	NS	NS	NS	NS	NS	1.392	5.00E-03	M
Cl-	Aug 89	NS	NS	NS	NS	NS	NS	7.07E-02	g/L
Cl	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.69E+00	umol/g
Cl	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.69E+00	umol/g
Cl	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	6.10E-01	umol/g
Cl	10/31/86	NS	6/30/85	NS	NS	NS	1.11	5.64E-01	umol/g
Cl	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	5.64E-01	umol/g
Cl	10/31/86	NS	6/30/85	NS	NS	NS	NS	6.10E-01	umol/g
Co	8/1/85	NS	NS	NS	NS	NS	NS	8.83E-03	g/L
Co	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.27E-01	umol/g
Cl	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	2.54E+02	umol/g
TIC	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	1.33E+02	umol/g
Cr	10/31/86	NS	6/30/85	NS	NS	NS	1.73	3.70E+01	umol/g
Cr	NS	NS	NS	NS	NS	NS	NS	2.87E+00	g/L
Cr	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.69E+01	umol/g
Cr	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.69E+01	umol/g
Cr	10/31/86	NS	6/30/85	NS	NS	NS	1.11	7.16E+00	umol/g
Cl	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	7.16E+00	umol/g

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
FI	Raw	Ce	1.54E+03	1.10E-05	AZ102-18	N	Water wash of solid sample not supernatent
P-1	Raw	Cl	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	Cl	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
S	Raw	Cl	#VALUE!	#VALUE!	AZ102-14	N	No units for concentration given in report
P-1	Raw	Cl	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	Cl	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	Cl	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	Cl	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
L	TRAC	Cl	NS	NS	NS	N	Analysis Prior to 9/86
L	Raw	Cl	2.16E+06	6.10E-02	AZ102-14	N	GFV
S	HTCE Inv.	Cl	1.74E+06	4.90E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	HTCE Inv.	Cl	6.16E+05	1.74E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
BI	Raw	Cl	2.55E+05	7.18E-03	AZ102-18	D	NS
P	Braun	Cl	2.48E+05	7.00E-03	NS	N	GFV
L	Raw	Cl	2.48E+05	7.00E-03	AZ102-16	N	These data are so messed up it will be easier to reenter them.
L	Raw	Cl	2.48E+05	7.00E-03	AZ102-16	N	Point in DB already cc 8/15/95
L	Raw	Cl	2.48E+05	7.00E-03	AZ102-16	N	Point in DB already cc 8/15/95
G	Wastren	Cl	2.19E+05	6.18E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Cl	1.77E+05	5.00E-03	NS	N	Analysis Prior to 9/86
L	Raw	Cl	1.77E+05	5.00E-03	AZ102-6	N	Analysis Prior to 9/86
P	Wastren	Cl	7.07E+04	1.99E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Cl	6.83E+04	1.93E-03	AZ102-23	Y	
CI	Raw	Cl	6.83E+04	1.93E-03	AZ102-18	D	NS
EI	Raw	Cl	2.40E+04	6.77E-04	AZ102-23	N	Solid sample after has been washed with fresh water
EI	Raw	Cl	2.22E+04	6.26E-04	AZ102-18	D	NS
FI	Raw	Cl	2.00E+04	5.64E-04	AZ102-23	N	Water wash of solid sample not supernatent
FI	Raw	Cl	0.00E+00	0.00E+00	AZ102-18	D	NS
P	Wastren	Co	8.83E+03	1.50E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Co	8.53E+03	1.45E-04	AZ102-23	Y	
EI	Raw	CO3	1.69E+07	2.82E-01	AZ102-23	N	Solid sample after has been washed with fresh water
FI	Raw	CO3	7.98E+06	1.33E-01	AZ102-23	N	Water wash of solid sample not supernatent
BI	Raw	Cr	3.33E+06	6.40E-02	AZ102-18	D	NS
G	Wastren	Cr	2.87E+06	5.52E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Cr	1.00E+06	1.93E-02	AZ102-23	Y	
CI	Raw	Cr	1.00E+06	1.93E-02	AZ102-18	D	NS
EI	Raw	Cr	4.13E+05	7.95E-03	AZ102-18	D	NS
EI	Raw	Cr	4.13E+05	7.95E-03	AZ102-23	N	Solid sample after has been washed with fresh water

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Units
Cr	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	5.29E-03	moles/l
Cr	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	2.88E+00	umol/g
Cr	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	2.27E-03	moles/l
Cr	10/31/86	NS	6/30/85	NS	NS	NS	NS	2.88E+00	umol/g
Cr	8/1/85	NS	NS	NS	NS	NS	NS	1.04E+00	g/L
CrO4	8/1/85	NS	NS	NS	NS	NS	NS	2.77E-01	g/L
Cr	2/4/81	NS	NS	R-3700	NS	NS	1.11	4.18E-03	moles/l
Cr	2/4/81	NS	NS	R-3699	NS	NS	1.11	4.11E-03	moles/l
Cr+6	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	2.50E+00	umol/g
Cr+6	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	2.50E+00	umol/g
Cr+6	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	2.02E+00	umol/g
Cr+6	10/31/86	NS	6/30/85	NS	NS	NS	1.14	2.02E+00	umol/g
Cr	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	2.11E-03	moles/l
F	11/1/77	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	7/26/95	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	1.08E+03	UG/ml
Fluoride	7/26/95	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	1.07E+03	UG/ml
Fluoride	7/26/95	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	1.03E+03	UG/ml
Fluoride	7/26/95	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	1.03E+03	UG/ml
Fluoride	7/26/95	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	1.00E+03	UG/ml
F-	Aug 89	NS	NS	NS	NS	NS	NS	8.72E-01	g/L
F	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	3.89E+01	umol/g
F	10/31/86	NS	6/30/85	NS	NS	NS	1.14	3.89E+01	umol/g
Fluoride	7/26/95	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	7.98E+02	UG/ml
F	10/31/86	NS	6/30/85	NS	NS	NS	1.73	2.42E+01	umol/g
F	12/7/83	NS	NS	T1520	NS	NS	NS	3.80E-02	M
F	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	3.70E-02	moles/l
F	3/10/84	NS	NS	NS	NS	NS	NS	3.70E-02	M
F	3/10/84	NS	NS	NS	NS	NS	NS	3.70E-02	M
F	7/5/84	NS	NS	T3495	NS	NS	NS	3.70E-02	M
F-	Aug 89	NS	NS	NS	NS	NS	NS	6.85E-01	g/L
F	9/20/78	NS	NS	RAT-AZ102-4C	NS	NS	1.39	1.65E-02	moles/l
F	9/20/78	NS	NS	NS	NS	NS	1.39	1.65E-02	M
F	2/4/81	NS	NS	R-3699	NS	NS	1.11	1.41E-02	moles/l
F	2/4/81	NS	NS	R-3700	NS	NS	1.11	1.41E-02	moles/l
F	2/4/81	NS	NS	R3699	NS	NS	1.11	1.41E-02	M
F	2/4/81	NS	NS	R3700	NS	NS	1.11	1.41E-02	M
F-	NS	NS	NS	NS	NS	NS	1.04	1.02E-02	Mole/L
F	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	9.00E-03	moles/l
F	6/26/75	NS	NS	NS	NS	NS	1.392	9.00E-03	M

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
S	Braun	Cr	2.75E+05	5.29E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
FI	Raw	Cr	1.50E+05	2.88E-03	AZ102-23	N	Water wash of solid sample not supernatant
Y	Braun	Cr	1.18E+05	2.27E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
FI	Raw	Cr	0.00E+00	0.00E+00	AZ102-18	D	NS
P	Wastren	Cr(VI)	1.04E+06	2.00E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Wastren	Cr(VI)	2.77E+05	5.33E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Cr(VI)	2.17E+05	4.18E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Cr(VI)	2.14E+05	4.11E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
FI	Raw	Cr(VI)	1.30E+05	2.50E-03	AZ102-18	N	Water wash of solid sample not supernatant
FI	Raw	Cr(VI)	1.30E+05	2.50E-03	AZ102-23	N	Water wash of solid sample not supernatant
CI	Raw	Cr(VI)	1.20E+05	2.30E-03	AZ102-23	Y	
CI	Raw	Cr(VI)	1.20E+05	2.30E-03	AZ102-18	D	NS
P	Braun	Cr(VI)	1.10E+05	2.11E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	TRAC	F	NS	NS	NS	N	Analysis Prior to 9/86
P-1	Raw	F	1.08E+06	5.68E-02	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	F	1.07E+06	5.63E-02	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	F	1.03E+06	5.42E-02	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	F	1.03E+06	5.42E-02	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	F	1.00E+06	5.26E-02	AZ102-24	Y	Updated per memo 8/17/95
P	Wastren	F	8.72E+05	4.59E-02	NS	N	Analysis Prior to 9/86
CI	Raw	F	8.43E+05	4.43E-02	AZ102-23	Y	
CI	Raw	F	8.43E+05	4.43E-02	AZ102-18	D	NS
P-1	Raw	F	7.98E+05	4.20E-02	AZ102-24	Y	Updated per memo 8/17/95
BI	Raw	F	7.95E+05	4.19E-02	AZ102-18	D	NS
L	Raw	F	7.22E+05	3.80E-02	AZ102-14	N	Analysis Prior to 9/86
P	Braun	F	7.03E+05	3.70E-02	NS	N	Analysis Prior to 9/86
L	Raw	F	7.03E+05	3.70E-02	AZ102-16	N	Analysis Prior to 9/86
L	Raw	F	7.03E+05	3.70E-02	AZ102-16	N	Analysis Prior to 9/86
L	Raw	F	7.03E+05	3.70E-02	AZ102-16	N	Analysis Prior to 9/86
G	Wastren	F	6.85E+05	3.61E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	F	3.14E+05	1.65E-02	NS	N	Analysis Prior to 9/86
L	Raw	F	3.14E+05	1.65E-02	AZ102-6	N	Analysis Prior to 9/86
P	Braun	F	2.68E+05	1.41E-02	NS	N	Analysis Prior to 9/86
P	Braun	F	2.68E+05	1.41E-02	NS	N	Analysis Prior to 9/86
L	Raw	F	2.68E+05	1.41E-02	AZ102-8	N	Analysis Prior to 9/86
L	Raw	F	2.68E+05	1.41E-02	AZ102-8	N	Analysis Prior to 9/86
L	HTCE Inv.	F	1.94E+05	1.02E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	F	1.71E+05	9.00E-03	NS	N	Analysis Prior to 9/86
L	Raw	F	1.71E+05	9.00E-03	AZ102-6	N	Analysis Prior to 9/86

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
F-	NS	NS	NS	NS	NS	NS	1.39	7.35E-03	Mole/L
F	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	5.21E+00	umol/g
F	10/31/86	NS	6/30/85	NS	NS	NS	1.11	4.29E+00	umol/g
TIC	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	4.29E+00	umol/g
F	10/31/86	NS	6/30/85	NS	NS	NS	NS	5.21E+00	umol/g
Iron	7/26/95	N/A	3/2/91	B0D9Q8	AZ-102-1	S95T000266	1.1	<1.00e+01	UG/ml
Iron	7/26/95	N/A	3/2/91	B0D9R0	AZ-102-2	S95T000267	1.1	<1.00e+01	UG/ml
Iron	7/26/95	N/A	3/2/91	B0D9R2	AZ-102-3	S95T000268	1.1	<1.00e+01	UG/ml
Iron	7/26/95	N/A	3/2/91	B0D9Q8	AZ-102-1	S95T000266	1.1	<1.00e+01	UG/ml
Iron	7/26/95	N/A	3/2/91	B0D9R0	AZ-102-2	S95T000267	1.1	<1.00e+01	UG/ml
Iron	7/26/95	N/A	3/2/91	B0D9R2	AZ-102-3	S95T000268	1.1	<1.00e+01	UG/ml
Fe	1/1/77	NS	NS	NS	NS	NS	NS	NS	NS
Fe	Aug 89	NS	NS	NS	NS	NS	NS	1.96E+02	g/L
Fe3+ (total Fe)	NS	NS	NS	NS	NS	NS	1.39	1.54E+00	Mole/L
Fe	12/13/83	NS	7/31/83	T1521	NS	NS	NS	9.40E-01	M
TIC	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	5.70E+02	umol/g
Fe	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	3.40E-01	moles/l
Fe	5/5/82	NS	11/4/81	NS	NS	NS	1.4	3.40E-01	M
Fe3+ (total Fe)	NS	NS	NS	NS	NS	NS	1.04	6.96E-04	Mole/L
Fe	2/4/81	NS	NS	R-3699	NS	NS	1.11	2.17E-04	moles/l
Fe	2/4/81	NS	NS	R-3700	NS	NS	1.11	2.17E-04	moles/l
Fe	2/4/81	NS	NS	R3699	NS	NS	1.11	2.17E-04	M
Fe	2/4/81	NS	NS	R3700	NS	NS	1.11	2.17E-04	M
Fe	Aug 89	NS	NS	NS	NS	NS	NS	1.12E-02	g/L
Fe	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.70E-01	umol/g
Fe	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	9.30E-02	umol/g
Fe	5/3/86	NS	NS	L3	NS	NS	NS	7.78E+02	umol/g
Fe	5/3/86	NS	NS	L4	NS	NS	NS	1.10E+03	umol/g
Fe	5/3/86	NS	NS	L1	NS	NS	NS	1.99E+03	umol/g
K	10/31/86	NS	6/30/85	NS	NS	NS	1.11	<2.20e+01	umol/g
TIC	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	<2.20e+01	umol/g
K	5/3/86	NS	NS	L4	NS	NS	NS	<6.12e+01	umol/g
K	5/3/86	NS	NS	L1	NS	NS	NS	<6.15e+01	umol/g

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
S	HTCE Inv.	F	1.40E+05	7.35E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
FI	Raw	F	9.90E+04	5.21E-03	AZ102-23	N	Water wash of solid sample not supernatent
EI	Raw	F	9.05E+04	4.76E-03	AZ102-18	D	NS
EI	Raw	F	9.05E+04	4.76E-03	AZ102-23	N	Solid sample after has been washed with fresh water
FI	Raw	F	0.00E+00	0.00E+00	AZ102-18	D	NS
P-1	Raw	Fe	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	Fe	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	Fe	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	Fe	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	Fe	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	Fe	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
L	TRAC	Fe	NS	NS	NS	N	Analysis Prior to 9/86
G	Wastren	Fe	1.96E+08	3.51E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	HTCE Inv.	Fe	8.60E+07	1.54E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	Fe	5.25E+07	9.40E-01	AZ102-14	N	No units for concentration given in report
EI	Raw	Fe	3.53E+07	6.33E-01	AZ102-18	N	Solid sample after has been washed with fresh water
S	Braun	Fe	1.90E+07	3.40E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	Fe	1.90E+07	3.40E-01	AZ102-11	N	Analysis Prior to 9/86
L	HTCE Inv.	Fe	3.88E+04	6.96E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Fe	1.21E+04	2.17E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Fe	1.21E+04	2.17E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	Fe	1.21E+04	2.17E-04	AZ102-8	N	Analysis Prior to 9/86
L	Raw	Fe	1.21E+04	2.17E-04	AZ102-8	N	Analysis Prior to 9/86
P	Wastren	Fe	1.12E+04	2.01E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Fe	1.08E+04	1.94E-04	AZ102-23	Y	
FI	Raw	Fe	5.19E+03	9.30E-05	AZ102-18	N	Water wash of solid sample not supernatent
S	Raw	Fe	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
S	Raw	Fe	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
S	Raw	Fe	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
EI	Raw	K	#VALUE!	#VALUE!	AZ102-18	D	NS
EI	Raw	K	#VALUE!	#VALUE!	AZ102-23	N	Solid sample after has been washed with fresh water
S	Raw	K	#VALUE!	#VALUE!	AZ102-17	D	Points already in DB as part of AZ_102-23
S	Raw	K	#VALUE!	#VALUE!	AZ102-17	D	Points already in DB as part of AZ_102-23

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Units
K	5/3/86	NS	NS	L3	NS	NS	NS	<6.34E+01	umol/g
K	1/1/77	NS	NS	NS	NS	NS	NS	NS	NS
K	Aug 89	NS	NS	NS	NS	NS	NS	3.09E+00	g/L
K	Aug 89	NS	NS	NS	NS	NS	NS	1.49E+00	g/L
K	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	3.23E+01	umol/g
K	10/31/86	NS	6/30/85	NS	NS	NS	1.14	3.23E+01	umol/g
K	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	1.00E-02	moles/l
K	5/5/82	NS	NS	NS	NS	NS	1.09	1.00E-02	M
K	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	8.66E-03	moles/l
K	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	5.72E+00	umol/g
K	1/30/82	NS	NS	T-5387	NS	NS	1.008	5.80E-04	moles/l
K	2/19/82	NS	NS	T5387	NS	NS	1.008	5.80E-04	M
K+	NS	NS	NS	NS	NS	NS	1.39	3.85E-04	Mole/L
K+	NS	NS	NS	NS	NS	NS	1.04	7.78E-05	Mole/L
K	10/31/86	NS	6/30/85	NS	NS	NS	NS	5.72E+00	umol/g
La	10/31/86	NS	6/30/85	NS	NS	NS	1.73	3.24E+01	umol/g
La	8/1/85	NS	NS	NS	NS	NS	NS	6.71E+00	g/L
La	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	1.42E-02	moles/l
La	10/31/86	NS	6/30/85	NS	NS	NS	1.11	8.02E+00	umol/g
TIC	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	8.02E+00	umol/g
La	8/1/85	NS	NS	NS	NS	NS	NS	1.80E-03	g/L
La	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.10E-02	umol/g
La	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.10E-02	umol/g
La	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	2.00E-03	umol/g
Na	7/28/79	NS	NS	RAT-AZ102-6	NS	NS	1.41	1.09E+01	moles/l
Na	7/28/79	NS	NS	RAT-AZ102-4D	NS	NS	1.41	8.51E+00	moles/l
Na	5/2/86	NS	NS	R280783	NS	NS	NS	8.51E+00	M
Na	9/20/78	NS	NS	RAT-AZ102-4C	NS	NS	1.39	8.14E+00	moles/l
Na	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	7.08E+00	moles/l
Na	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	4.49E+00	moles/l
Na	10/31/86	NS	6/30/85	NS	NS	NS	1.73	2.57E+03	umol/g
Na	NS	NS	NS	NS	NS	NS	NS	8.80E+01	g/L
Na	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	3.00E+00	moles/l

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
S	Raw	K	#VALUE!	#VALUE!	AZ102-17	D	Points already in DB as part of AZ_102-23
L	TRAC	K	NS	NS	NS	N	Analysis Prior to 9/86
G	Wastren	K	3.09E+06	7.90E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Wastren	K	1.49E+06	3.81E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	K	1.44E+06	3.68E-02	AZ102-23	Y	
CI	Raw	K	1.44E+06	3.68E-02	AZ102-18	D	NS
P	Braun	K	3.91E+05	1.00E-02	NS	N	Analysis Prior to 9/86
L	Raw	K	3.91E+05	1.00E-02	AZ102-11	N	Analysis Prior to 9/86
R	Braun	K	3.39E+05	8.66E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
FI	Raw	K	2.24E+05	5.72E-03	AZ102-23	N	Water wash of solid sample not supernatant
P	Braun	K	2.27E+04	5.80E-04	NS	N	Analysis Prior to 9/86
L	Raw	K	2.27E+04	5.80E-04	AZ102-9	N	Analysis Prior to 9/86
S	HTCE Inv.	K	1.50E+04	3.85E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	HTCE Inv.	K	3.04E+03	7.78E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
FI	Raw	K	0.00E+00	0.00E+00	AZ102-18	D	NS
BI	Raw	La	7.79E+06	5.61E-02	AZ102-18	D	NS
G	Wastren	La	6.71E+06	4.83E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Braun	La	1.97E+06	1.42E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	La	1.24E+06	8.90E-03	AZ102-18	D	NS
EI	Raw	La	1.24E+06	8.90E-03	AZ102-23	N	Solid sample after has been washed with fresh water
P	Wastren	La	1.80E+03	1.30E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	La	1.74E+03	1.25E-05	AZ102-23	Y	
CI	Raw	La	1.74E+03	1.25E-05	AZ102-18	D	NS
FI	Raw	La	2.78E+02	2.00E-06	AZ102-18	N	Water wash of solid sample not supernatant
Y	Braun	Na	2.50E+08	1.09E+01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Na	1.96E+08	8.51E+00	NS	N	Analysis Prior to 9/86
P	Raw	Na	1.96E+08	8.51E+00	AZ102-20	N	Not a traceable reference
P	Braun	Na	1.87E+08	8.14E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Braun	Na	1.63E+08	7.08E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
Y	Braun	Na	1.03E+08	4.49E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
BI	Raw	Na	1.02E+08	4.45E+00	AZ102-18	D	NS
G	Wastren	Na	8.80E+07	3.83E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Na	6.90E+07	3.00E+00	NS	N	Analysis Prior to 9/86

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported U
Na	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	2.77E+00	moles/l
Na	5/2/86	NS	NS	R60386	NS	NS	NS	2.77E+00	M
Na	2/4/81	NS	NS	R-3699	NS	NS	1.11	2.72E+00	moles/l
Na	2/4/81	NS	NS	R-3700	NS	NS	1.11	2.65E+00	moles/l
Sodium	7/26/95	N/A	3/2/91	B0D9Q8	AZ-102-1	S95T000266	1.1	5.37E+04	UG/ml
Sodium	7/26/95	N/A	3/2/91	B0D9R0	AZ-102-2	S95T000267	1.1	5.34E+04	UG/ml
Sodium	7/26/95	N/A	3/2/91	B0D9R2	AZ-102-3	S95T000268	1.1	5.31E+04	UG/ml
Sodium	7/26/95	N/A	3/2/91	B0D9Q8	AZ-102-1	S95T000266	1.1	5.30E+04	UG/ml
Sodium	7/26/95	N/A	3/2/91	B0D9R0	AZ-102-2	S95T000267	1.1	5.30E+04	UG/ml
Sodium	7/26/95	N/A	3/2/91	B0D9R2	AZ-102-3	S95T000268	1.1	5.29E+04	UG/ml
Na	NS	NS	NS	NS	NS	NS	NS	4.96E+01	g/L
Na	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.83E+03	umol/g
Na	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.83E+03	umol/g
Na	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	1.61E+00	moles/l
Na	5/2/86	NS	NS	R880311	NS	NS	NS	1.61E+00	M
Na	5/2/86	NS	NS	R81287	NS	NS	NS	1.57E+00	M
NaOH	7/28/79	NS	NS	RAT-AZ102-6	NS	NS	1.41	8.20E-01	moles/l
Na	10/31/86	NS	6/30/85	NS	NS	NS	1.11	4.49E+02	umol/g
TIC	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	4.49E+02	umol/g
Na	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	3.31E+02	umol/g
Na	1/30/82	NS	NS	T-5387	NS	NS	1.008	5.02E-02	moles/l
Na	10/31/86	NS	6/30/85	NS	NS	NS	NS	3.31E+02	umol/g
Nd	10/31/86	NS	6/30/85	NS	NS	NS	1.73	2.02E+01	umol/g
Nd	8/1/85	NS	NS	NS	NS	NS	NS	4.34E+00	g/L
Nd	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	1.12E-02	moles/l
Nd	10/31/86	NS	6/30/85	NS	NS	NS	1.11	5.90E+00	umol/g
Cr	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	5.90E+00	umol/g
Nd	8/1/85	NS	NS	NS	NS	NS	NS	5.62E-03	g/L
Nd	10/31/86	NS	6/30/85	NS	NS	NS	1.14	3.30E-02	umol/g
Nd	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	5.00E-03	umol/g
Ni	1/1/77	NS	NS	NS	NS	NS	NS	NS	NS
Ni	Aug 89	NS	NS	NS	NS	NS	NS	1.32E+01	g/L
Ni	12/13/83	NS	7/31/83	T1521	NS	NS	NS	6.20E-02	M
Cr	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	3.62E+01	umol/g
Ni2+	NS	NS	NS	NS	NS	NS	1.39	1.01E-02	Mole/L

Waste Characterization Database
 Tank 241-AZ-102

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Braun	Na	6.37E+07	2.77E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Raw	Na	6.37E+07	2.77E+00	AZ102-21	N	Not a traceable reference
P	Braun	Na	6.25E+07	2.72E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Na	6.09E+07	2.65E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P-2	Raw	Na	5.37E+07	2.34E+00	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	Na	5.34E+07	2.32E+00	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	Na	5.31E+07	2.31E+00	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	Na	5.30E+07	2.31E+00	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	Na	5.30E+07	2.31E+00	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	Na	5.29E+07	2.30E+00	AZ102-24	Y	Updated per memo 8/17/95
P	Wastren	Na	4.96E+07	2.16E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
Cl	Raw	Na	4.80E+07	2.09E+00	AZ102-23	Y	
Cl	Raw	Na	4.80E+07	2.09E+00	AZ102-18	D	NS
P	Braun	Na	3.70E+07	1.61E+00	NS	N	Analysis Prior to 9/86
P	Raw	Na	3.70E+07	1.61E+00	AZ102-19	N	Not a traceable reference
P	Raw	Na	3.61E+07	1.57E+00	AZ102-22	N	Not a traceable reference
Y	Braun	Na	1.89E+07	8.20E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	Na	1.15E+07	4.98E-01	AZ102-18	D	NS
EI	Raw	Na	1.15E+07	4.98E-01	AZ102-23	N	Solid sample after has been washed with fresh water
FI	Raw	Na	7.61E+06	3.31E-01	AZ102-23	N	Water wash of solid sample not supernatant
P	Braun	Na	1.15E+06	5.02E-02	NS	N	Analysis Prior to 9/86
FI	Raw	Na	0.00E+00	0.00E+00	AZ102-18	D	NS
BI	Raw	Nd	5.04E+06	3.49E-02	AZ102-18	D	NS
G	Wastren	Nd	4.34E+06	3.01E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Braun	Nd	1.62E+06	1.12E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	Nd	9.44E+05	6.55E-03	AZ102-18	D	NS
EI	Raw	Nd	9.44E+05	6.55E-03	AZ102-23	N	Solid sample after has been washed with fresh water
P	Wastren	Nd	5.62E+03	3.90E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
Cl	Raw	Nd	5.42E+03	3.76E-05	AZ102-18	D	NS
FI	Raw	Nd	7.21E+02	5.00E-06	AZ102-18	N	Water wash of solid sample not supernatant
L	TRAC	Ni	NS	NS	NS	N	Analysis Prior to 9/86
G	Wastren	Ni	1.32E+07	2.25E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	Ni	3.64E+06	6.20E-02	AZ102-14	N	No units for concentration given in report
EI	Raw	Ni	2.36E+06	4.02E-02	AZ102-18	N	Solid sample after has been washed with fresh water
S	HTCE Inv.	Ni	5.91E+05	1.01E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data

ICF KH
 11/16/95

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Ni	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	2.64E-03	moles/l
Ni	5/5/82	NS	11/4/81	NS	NS	NS	1.4	2.64E-03	M
Ni	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	6.24E-04	moles/l
Ni	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	4.90E-04	moles/l
Ni	5/5/82	NS	11/4/81	NS	NS	NS	1.09	4.90E-04	M
Ni	Aug 89	NS	NS	NS	NS	NS	NS	2.22E-03	g/L
Ni	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	3.20E-02	umol/g
Ni2 +	NS	NS	NS	NS	NS	NS	1.04	2.21E-05	Mole/L
Ni	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	1.00E-02	umol/g
Ni	5/3/86	NS	NS	L3	NS	NS	NS	2.54E+01	umol/g
Ni	5/3/86	NS	NS	L4	NS	NS	NS	7.06E+01	umol/g
Ni	5/3/86	NS	NS	L1	NS	NS	NS	1.50E+02	umol/g
NO2	1/1/77	NS	NS	NS	NS	NS	NS	NS	NS
Nitrite	7/26/95	N/A	3/2/91	BOD9R3	AZ-102-1	S95T000263	1.1	2.96E+04	UG/ml
Nitrite	7/26/95	N/A	3/2/91	BOD9R3	AZ-102-1	S95T000263	1.1	2.95E+04	UG/ml
Nitrite	7/26/95	N/A	3/2/91	BOD9R5	AZ-102-3	S95T000265	1.1	2.83E+04	UG/ml
Nitrite	7/26/95	N/A	3/2/91	BOD9R5	AZ-102-3	S95T000265	1.1	2.81E+04	UG/ml
Nitrite	7/26/95	N/A	3/2/91	BOD9R4	AZ-102-2	S95T000264	1.1	2.80E+04	UG/ml
NO2	10/31/86	NS	6/30/85	NS	NS	NS	1.73	3.35E+02	umol/g
NaNO2	7/28/79	NS	NS	NS	NS	NS	1.41	5.36E-01	M
NO2	7/28/79	NS	NS	RAT-AZ102-6	NS	NS	1.41	5.36E-01	moles/l
NO2	7/28/79	NS	NS	RAT-AZ102-4D	NS	NS	1.41	5.30E-01	moles/l
NO2-	Aug 89	NS	NS	NS	NS	NS	NS	2.30E+01	g/L
Nitrite	7/26/95	N/A	3/2/91	BOD9R4	AZ-102-2	S95T000264	1.1	2.22E+04	UG/ml
NO2	12/3/75	NS	NS	1496A	NS	NS	1.378	4.18E-01	M
NO2	12/3/75	NS	NS	1496B	NS	NS	1.38	4.18E-01	M
NO2	12/3/75	NS	NS	1496C	NS	NS	1.379	4.18E-01	M
NO2	12/3/75	NS	NS	1496D	NS	NS	1.36	4.18E-01	M
NO2	12/3/75	NS	NS	1458	NS	NS	1.391	2.97E-01	M
NO2	12/3/75	NS	NS	1459	NS	NS	1.386	2.83E-01	M
NO2	12/3/75	NS	NS	1457	NS	NS	1.398	2.74E-01	M
NO2	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	2.70E-01	moles/l
NO2	3/10/84	NS	7/31/83	NS	NS	NS	NS	2.70E-01	M
NO2	3/10/84	NS	7/31/83	NS	NS	NS	NS	2.70E-01	M
NO2	7/5/84	NS	7/31/83	T3495	NS	NS	NS	2.70E-01	M
NO2	12/13/83	NS	7/31/83	T1520	NS	NS	NS	2.70E-01	M

Waste Characterization Database
Tank 241-AZ-102

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
S	Braun	Ni	1.55E+05	2.64E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	Ni	1.55E+05	2.64E-03	AZ102-11	N	Analysis Prior to 9/86
R	Braun	Ni	3.66E+04	6.24E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	Ni	2.88E+04	4.90E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	Ni	2.88E+04	4.90E-04	AZ102-11	N	Analysis Prior to 9/86
P	Wastren	Ni	2.22E+03	3.78E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
Cl	Raw	Ni	2.14E+03	3.65E-05	AZ102-23	Y	
L	HTCE Inv.	Ni	1.30E+03	2.21E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
FI	Raw	Ni	5.87E+02	1.00E-05	AZ102-18	N	Water wash of solid sample not supernatant
S	Raw	Ni	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
S	Raw	Ni	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
S	Raw	Ni	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
L	TRAC	NO2	NS	NS	NS	N	Analysis Prior to 9/86
P-1	Raw	NO2	2.96E+07	6.43E-01	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	NO2	2.95E+07	6.41E-01	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	NO2	2.83E+07	6.15E-01	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	NO2	2.81E+07	6.11E-01	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	NO2	2.80E+07	6.09E-01	AZ102-24	Y	Updated per memo 8/17/95
BI	Raw	NO2	2.67E+07	5.80E-01	AZ102-18	D	NS
L	Raw	NO2	2.47E+07	5.36E-01	AZ102-5	N	Analysis Prior to 9/86
R	Braun	NO2	2.47E+07	5.36E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	NO2	2.44E+07	5.30E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
G	Wastren	NO2	2.30E+07	5.00E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P-1	Raw	NO2	2.22E+07	4.83E-01	AZ102-24	Y	Updated per memo 8/17/95
L	Raw	NO2	1.92E+07	4.18E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	NO2	1.92E+07	4.18E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	NO2	1.92E+07	4.18E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	NO2	1.92E+07	4.18E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	NO2	1.37E+07	2.97E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	NO2	1.30E+07	2.83E-01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	NO2	1.26E+07	2.74E-01	AZ102-3	N	Analysis Prior to 9/86
P	Braun	NO2	1.24E+07	2.70E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO2	1.24E+07	2.70E-01	AZ102-16	N	These data are so messed up it will be easier to reenter them.
L	Raw	NO2	1.24E+07	2.70E-01	AZ102-16	N	Point in DB already_cc 8/15/95
L	Raw	NO2	1.24E+07	2.70E-01	AZ102-16	N	Point in DB already_cc 8/15/95
L	Raw	NO2	1.24E+07	2.70E-01	AZ102-14	N	No units for concentration given in report

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
NO2	2/4/81	NS	NS	R-3700	NS	NS	1.11	2.65E-01	moles/l
NO2-	2/4/81	NS	NS	R3700	NS	NS	1.11	2.65E-01	M
NO2	12/3/75	NS	NS	1456	NS	NS	1.393	2.63E-01	M
NO2	2/4/81	NS	NS	R-3699	NS	NS	1.11	2.63E-01	moles/l
NO2-	2/4/81	NS	NS	R3699	NS	NS	1.11	2.63E-01	M
NO2	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	2.00E-01	moles/l
NO2-	6/26/75	NS	NS	NS	NS	NS	1.392	2.00E-01	M
NO2	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	1.90E-01	moles/l
NO2	5/5/82	NS	11/4/81	NS	NS	NS	1.09	1.90E-01	M
NaNO2	4/26/74	NS	NS	NS	NS	NS	1.299	1.84E-01	M
NO2-	NS	NS	NS	NS	NS	NS	1.39	1.71E-01	Mole/L
NO2-	NS	NS	NS	NS	NS	NS	1.04	1.70E-01	Mole/L
NO2	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	9.39E+01	umol/g
NO2-	Aug 89	NS	NS	NS	NS	NS	NS	3.33E+00	g/L
NO2	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	6.13E+01	umol/g
NO2	10/31/86	NS	6/30/85	Composite Core	NS	NS	1.14	6.13E+01	umol/g
NO2	2/19/82	NS	12/1/81	T3251	NS	NS	1.03	6.00E-02	M
NaNO2	8/27/77	NS	NS	NS	NS	NS	1.391	5.70E-02	M
NO2	8/27/77	NS	NS	RAT-AZ102-4B	NS	NS	1.39	5.70E-02	moles/l
NO2	10/31/86	NS	6/30/85	NS	NS	NS	1.11	4.54E+01	umol/g
Cr	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	4.54E+01	umol/g
NO2	1/30/82	NS	NS	T-5387	NS	NS	1.008	3.46E-03	moles/l
NO2	2/19/82	NS	NS	T5387	NS	NS	1.008	3.46E-03	M
NO2	10/31/86	NS	6/30/85	NS	NS	NS	NS	9.39E+01	umol/g
NO3	1/1/77	NS	NS	NS	NS	NS	NS	NS	NS
NO3	12/3/75	NS	NS	1496A	NS	NS	1.378	4.33E+00	M
NO3	12/3/75	NS	NS	1496B	NS	NS	1.38	4.32E+00	M
NO3	12/3/75	NS	NS	1496C	NS	NS	1.379	4.32E+00	M
NO3	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	4.26E+00	moles/l
NO3	6/26/75	NS	NS	NS	NS	NS	1.392	4.26E+00	M
NO3	12/3/75	NS	NS	1496D	NS	NS	1.36	4.20E+00	M
NaNO3	8/27/77	NS	NS	NS	NS	NS	1.391	4.08E+00	M
NO3	8/27/77	NS	NS	RAT-AZ102-4B	NS	NS	1.39	4.08E+00	moles/l
NO3	12/3/75	NS	NS	1458	NS	NS	1.391	3.74E+00	M
NO3	7/28/79	NS	NS	RAT-AZ102-4D	NS	NS	1.41	3.72E+00	moles/l
NO3	12/3/75	NS	NS	1459	NS	NS	1.386	3.59E+00	M
NO3	12/3/75	NS	NS	1457	NS	NS	1.398	2.92E+00	M
NaNO3	4/26/74	NS	NS	NS	NS	NS	1.299	2.89E+00	M
NO3	12/3/75	NS	NS	1456	NS	NS	1.393	2.29E+00	M

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Braun	NO2	1.22E+07	2.65E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO2	1.22E+07	2.65E-01	AZ102-8	N	Analysis Prior to 9/86
L	Raw	NO2	1.21E+07	2.63E-01	AZ102-3	N	Analysis Prior to 9/86
P	Braun	NO2	1.21E+07	2.63E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO2	1.21E+07	2.63E-01	AZ102-8	N	Analysis Prior to 9/86
P	Braun	NO2	9.20E+06	2.00E-01	NS	N	Analysis Prior to 9/86
L	Raw	NO2	9.20E+06	2.00E-01	AZ102-6	N	Analysis Prior to 9/86
P	Braun	NO2	8.74E+06	1.90E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO2	8.74E+06	1.90E-01	AZ102-11	N	Analysis Prior to 9/86
L	Raw	NO2	8.47E+06	1.84E-01	AZ102-1	N	Analysis Prior to 9/86
S	HTCE Inv.	NO2	7.85E+06	1.71E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	HTCE Inv.	NO2	7.84E+06	1.70E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
FI	Raw	NO2	4.32E+06	9.39E-02	AZ102-23	N	Water wash of solid sample not supernatant
P	Wastren	NO2	3.33E+06	7.24E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	NO2	3.22E+06	6.99E-02	AZ102-23	Y	
CI	Raw	NO2	3.22E+06	6.99E-02	AZ102-18	D	NS
L	Raw	NO2	2.76E+06	6.00E-02	AZ102-10	N	Analysis Prior to 9/86
F	Raw	NO2	2.62E+06	5.70E-02	AZ102-4	N	Analysis Prior to 9/86
P	Braun	NO2	2.62E+06	5.70E-02	NS	N	Analysis Prior to 9/86
EI	Raw	NO2	2.32E+06	5.04E-02	AZ102-18	D	NS
EI	Raw	NO2	2.32E+06	5.04E-02	AZ102-23	N	Solid sample after has been washed with fresh water
P	Braun	NO2	1.59E+05	3.46E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO2	1.59E+05	3.46E-03	AZ102-9	N	Not a traceable reference, analysis Prior to 9/86
FI	Raw	NO2	0.00E+00	0.00E+00	AZ102-18	D	NS
L	TRAC	NO3	NS	NS	NS	N	Analysis Prior to 9/86
L	Raw	NO3	2.69E+08	4.33E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	NO3	2.68E+08	4.32E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	NO3	2.68E+08	4.32E+00	AZ102-3	N	Analysis Prior to 9/86
P	Braun	NO3	2.64E+08	4.26E+00	NS	N	Analysis Prior to 9/86
L	Raw	NO3	2.64E+08	4.26E+00	AZ102-6	N	Analysis Prior to 9/86
L	Raw	NO3	2.60E+08	4.20E+00	AZ102-3	N	Analysis Prior to 9/86
F	Raw	NO3	2.53E+08	4.08E+00	AZ102-4	N	Analysis Prior to 9/86
P	Braun	NO3	2.53E+08	4.08E+00	NS	N	Analysis Prior to 9/86
L	Raw	NO3	2.32E+08	3.74E+00	AZ102-3	N	Analysis Prior to 9/86
P	Braun	NO3	2.31E+08	3.72E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO3	2.23E+08	3.59E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	NO3	1.81E+08	2.92E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	NO3	1.79E+08	2.89E+00	AZ102-1	N	Analysis Prior to 9/86
L	Raw	NO3	1.42E+08	2.29E+00	AZ102-3	N	Analysis Prior to 9/86

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported U
NO3	2/4/81	NS	NS	R-3700	NS	NS	1.11	8.41E-01	moles/l
NO3	2/4/81	NS	NS	R3700	NS	NS	1.11	8.41E-01	M
NO3	2/4/81	NS	NS	R-3699	NS	NS	1.11	8.29E-01	moles/l
NO3	2/4/81	NS	NS	R3699	NS	NS	1.11	8.29E-01	M
NO3	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	7.80E-01	moles/l
NO3	5/5/82	NS	11/4/81	NS	NS	NS	1.09	7.80E-01	M
NO3	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	6.30E-01	moles/l
NO3	5/5/82	NS	11/4/81	NS	NS	NS	1.4	6.30E-01	M
Nitrate	7/26/95	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	2.59E+04	UG/ml
Nitrate	7/26/95	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	2.52E+04	UG/ml
NO3	2/19/82	NS	12/1/81	T3251	NS	NS	1.03	4.00E-01	M
NO3-	NS	NS	NS	NS	NS	NS	1.39	3.94E-01	Mole/L
Nitrate	7/26/95	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	2.43E+04	UG/ml
Nitrate	7/26/95	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	2.43E+04	UG/ml
Nitrate	7/26/95	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	2.38E+04	UG/ml
NO3	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	3.50E-01	moles/l
NO3	3/10/84	NS	7/31/83	NS	NS	NS	NS	3.50E-01	M
NO3	3/10/84	NS	7/31/83	NS	NS	NS	NS	3.50E-01	M
NO3	7/5/84	NS	7/31/83	T3495	NS	NS	NS	3.50E-01	M
NO3	12/13/83	NS	7/31/83	T1520	NS	NS	NS	3.50E-01	M
Nitrate	7/26/95	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	1.91E+04	UG/ml
NO3-	Aug 89	NS	NS	NS	NS	NS	NS	6.78E+00	g/L
NO3	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	9.27E+01	umol/g
NO3	10/31/86	NS	6/30/85	NS	NS	NS	1.14	9.27E+01	umol/g
NO3	10/31/86	NS	6/30/85	NS	NS	NS	1.73	4.06E+01	umol/g
NO3-	Aug 89	NS	NS	NS	NS	NS	NS	3.75E+00	g/L
NO3-	NS	NS	NS	NS	NS	NS	1.04	4.47E-02	Mole/L
NO3	1/30/82	NS	NS	T-5387	NS	NS	1.008	2.45E-02	moles/l
NO3	2/19/82	NS	NS	T5387	NS	NS	1.008	2.45E-02	M
NO3	10/31/86	NS	6/30/85	NS	NS	NS	1.11	1.22E+01	umol/g
Cr	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	1.22E+01	umol/g
NO3	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	1.26E+01	umol/g
NO3	10/31/86	NS	6/30/85	NS	NS	NS	NS	1.26E+01	umol/g
OH	8/27/77	NS	NS	RAT-AZ102-4B	NS	NS	1.39	1.10E+00	moles/l
OH	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	1.03E+00	moles/l
OH	9/20/78	NS	NS	RAT-AZ102-4C	NS	NS	1.39	9.98E-01	moles/l

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Braun	NO3	5.22E+07	8.41E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO3	5.22E+07	8.41E-01	AZ102-8	N	Analysis Prior to 9/86
P	Braun	NO3	5.14E+07	8.29E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO3	5.14E+07	8.29E-01	AZ102-8	N	Analysis Prior to 9/86
P	Braun	NO3	4.84E+07	7.80E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO3	4.84E+07	7.80E-01	AZ102-11	N	Analysis Prior to 9/86
S	Braun	NO3	3.91E+07	6.30E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	NO3	3.91E+07	6.30E-01	AZ102-11	N	Analysis Prior to 9/86
P-1	Raw	NO3	2.59E+07	4.18E-01	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	NO3	2.52E+07	4.06E-01	AZ102-24	Y	Updated per memo 8/17/95
L	Raw	NO3	2.48E+07	4.00E-01	AZ102-10	N	Analysis Prior to 9/86
S	HTCE Inv.	NO3	2.44E+07	3.94E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P-1	Raw	NO3	2.43E+07	3.92E-01	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	NO3	2.43E+07	3.92E-01	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	NO3	2.38E+07	3.84E-01	AZ102-24	Y	Updated per memo 8/17/95
P	Braun	NO3	2.17E+07	3.50E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO3	2.17E+07	3.50E-01	AZ102-16	N	These data are so messed up it will be easier to reenter them.
L	Raw	NO3	2.17E+07	3.50E-01	AZ102-16	N	Point in DB already cc 8/15/95
L	Raw	NO3	2.17E+07	3.50E-01	AZ102-16	N	Point in DB already cc 8/15/95
L	Raw	NO3	2.17E+07	3.50E-01	AZ102-14	N	No units for concentration given in report
P-1	Raw	NO3	1.91E+07	3.08E-01	AZ102-24	Y	Updated per memo 8/17/95
P	Wastren	NO3	6.78E+06	1.09E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	NO3	6.55E+06	1.06E-01	AZ102-23	Y	
CI	Raw	NO3	6.55E+06	1.06E-01	AZ102-18	D	NS
BI	Raw	NO3	4.36E+06	7.02E-02	AZ102-18	D	NS
G	Wastren	NO3	3.75E+06	6.05E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	HTCE Inv.	NO3	2.77E+06	4.47E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	NO3	1.52E+06	2.45E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	NO3	1.52E+06	2.45E-02	AZ102-9	N	Not a traceable reference, analysis Prior to 9/86
EI	Raw	NO3	8.40E+05	1.35E-02	AZ102-18	D	NS
EI	Raw	NO3	8.40E+05	1.35E-02	AZ102-23	N	Solid sample after has been washed with fresh water
FI	Raw	NO3	7.81E+05	1.26E-02	AZ102-23	N	Water wash of solid sample not supernatant
FI	Raw	NO3	0.00E+00	0.00E+00	AZ102-18	D	NS
P	Braun	OH	1.87E+07	1.10E+00	NS	N	Analysis Prior to 9/86
P	Braun	OH	1.75E+07	1.03E+00	NS	N	Analysis Prior to 9/86
P	Braun	OH	1.70E+07	9.98E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Units
OH	7/28/79	NS	NS	RAT-AZ102-4D	NS	NS	1.41	8.20E-01	moles/l
NaOH	7/28/79	NS	NS	RAT-AZ102-6	NS	NS	1.41	8.20E-01	moles/l
OH	2/4/81	NS	NS	R-3699	NS	NS	1.11	6.92E-01	moles/l
OH	2/4/81	NS	NS	R-3700	NS	NS	1.11	6.68E-01	moles/l
OH	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	3.50E-01	moles/l
OH	5/2/86	NS	NS	R60386	NS	NS	NS	3.50E-01	M
OH	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	2.00E-01	moles/l
OH	5/2/86	NS	NS	R880311	NS	NS	NS	2.00E-01	M
OH	5/2/86	NS	NS	R81287	NS	NS	NS	1.80E-01	M
Hydroxide	7/26/95	N/A	3/2/91	B0D9Q9	AZ-102-2	S95T000246	1.1	1.99E+03	UG/ml
Hydroxide	7/26/95	N/A	3/2/91	B0D9Q9	AZ-102-2	S95T000246	1.1	1.86E+03	UG/ml
Hydroxide	7/26/95	N/A	3/2/91	B0D9R1	AZ-102-3	S95T000247	1.1	1.84E+03	UG/ml
Hydroxide	7/26/95	N/A	3/2/91	B0D9R1	AZ-102-3	S95T000247	1.1	1.83E+03	UG/ml
OH-	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	1.08E+01	umol/g
OH	1/30/82	NS	NS	T-5387	NS	NS	1.008	7.14E-03	moles/l
Pb	1/1/77	NS	NS	NS	NS	NS	NS	NS	NS
Pb	Aug 89	NS	NS	NS	NS	NS	NS	1.63E+00	g/L
Pb	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	7.00E-03	moles/l
Pb	5/5/82	NS	11/4/81	NS	NS	NS	1.4	7.00E-03	M
Cr	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	1.78E+00	umol/g
Pb	Aug 89	NS	NS	NS	NS	NS	NS	6.11E-03	g/L
Pb	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	2.50E-02	umol/g
Pb	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	5.00E-03	umol/g
Pb2+	NS	NS	NS	NS	NS	NS	1.39	2.79E-06	Mole/L
Pb2+	NS	NS	NS	NS	NS	NS	1.04	4.39E-07	Mole/L
Pb	5/3/86	NS	NS	L4	NS	NS	NS	2.60E+00	umol/g
Pb	5/3/86	NS	NS	L1	NS	NS	NS	3.60E+00	umol/g
Pb	5/3/86	NS	NS	L3	NS	NS	NS	4.80E+00	umol/g
Phosphate	7/26/95	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	<3.96e+02	UG/ml
Phosphate	7/26/95	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	<3.96e+02	UG/ml
Phosphate	7/26/95	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	<3.96e+02	UG/ml
Phosphate	7/26/95	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	<3.96e+02	UG/ml
Phosphate	7/26/95	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	<7.26e+02	UG/ml

Waste Characterization Database
Tank 241-AZ-102

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Braun	OH	1.39E+07	8.20E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
Y	Braun	OH	1.39E+07	8.20E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	OH	1.18E+07	6.92E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	OH	1.14E+07	6.68E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	OH	5.95E+06	3.50E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Raw	OH	5.95E+06	3.50E-01	AZ102-21	N	Not a traceable reference
P	Braun	OH	3.40E+06	2.00E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Raw	OH	3.40E+06	2.00E-01	AZ102-19	N	Not a traceable reference
P	Raw	OH	3.06E+06	1.80E-01	AZ102-22	N	Not a traceable reference
P-1	Raw	OH	1.99E+06	1.17E-01	AZ102-24	Y	
P-2	Raw	OH	1.86E+06	1.09E-01	AZ102-24	Y	
P-1	Raw	OH	1.84E+06	1.08E-01	AZ102-24	Y	
P-2	Raw	OH	1.83E+06	1.08E-01	AZ102-24	Y	
FI	Raw	OH	1.84E+05	1.08E-02	AZ102-23	N	Water wash of solid sample not supernatant
P	Braun	OH	1.21E+05	7.14E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	TRAC	Pb	NS	NS	NS	N	Analysis Prior to 9/86
G	Wastren	Pb	1.63E+06	7.87E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Braun	Pb	1.45E+06	7.00E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	Pb	1.45E+06	7.00E-03	AZ102-11	N	Analysis Prior to 9/86
EI	Raw	Pb	4.09E+05	1.98E-03	AZ102-18	N	Solid sample after has been washed with fresh water
P	Wastren	Pb	6.11E+03	2.95E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Pb	5.91E+03	2.85E-05	AZ102-23	Y	
FI	Raw	Pb	1.04E+03	5.00E-06	AZ102-18	N	Water wash of solid sample not supernatant
S	HTCE Inv.	Pb	5.77E+02	2.79E-06	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	HTCE Inv.	Pb	9.09E+01	4.39E-07	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	Pb	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
S	Raw	Pb	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
S	Raw	Pb	0.00E+00	0.00E+00	AZ102-17	D	Points already in DB as part of AZ_102-23
P-1	Raw	PO4	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	PO4	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	PO4	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	PO4	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	PO4	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95

ICF KH
11/16/95

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
Phosphate	7/26/95	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	<7.26e+02	UG/ml
PO4	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	8.70E-01	moles/l
PO4	5/5/82	NS	11/4/81	NS	NS	NS	1.4	8.70E-01	M
PO4	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	3.90E-01	moles/l
PO4	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	1.00E-01	moles/l
PO4	5/5/82	NS	11/4/81	NS	NS	NS	1.09	1.00E-01	M
PO4	12/13/83	NS	7/31/83	T1520	NS	NS	NS	5.50E-02	M
PO4	12/13/83	NS	7/31/83	T1521	NS	NS	NS	2.00E-02	M
PO4	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	1.10E-02	moles/l
PO4	6/26/75	NS	NS	NS	NS	NS	1.392	1.10E-02	M
Na3PO4	7/28/79	NS	NS	NS	NS	NS	1.41	1.00E-02	M
PO4	7/28/79	NS	NS	RAT-AZ102-4D	NS	NS	1.41	1.00E-02	moles/l
PO4	7/28/79	NS	NS	RAT-AZ102-6	NS	NS	1.41	1.00E-02	moles/l
PO4	2/4/81	NS	NS	R-3699	NS	NS	1.11	9.61E-03	moles/l
PO4	2/4/81	NS	NS	R3699	NS	NS	1.11	9.61E-03	M
PO4	2/4/81	NS	NS	R-3700	NS	NS	1.11	9.38E-03	moles/l
PO4	2/4/81	NS	NS	R3700	NS	NS	1.11	9.38E-03	M
PO4	12/3/75	NS	NS	1496B	NS	NS	1.38	8.42E-03	M
PO4	12/3/75	NS	NS	1496C	NS	NS	1.379	8.31E-03	M
PO4	12/3/75	NS	NS	1496A	NS	NS	1.378	8.17E-03	M
PO4	12/3/75	NS	NS	1496D	NS	NS	1.36	8.09E-03	M
PO4	12/3/75	NS	NS	1459	NS	NS	1.386	7.61E-03	M
PO4	10/31/86	NS	6/30/85	NS	NS	NS	1.73	4.38E+00	umol/g
PO4	12/3/75	NS	NS	1457	NS	NS	1.398	7.12E-03	M
PO4---	Aug 89	NS	NS	NS	NS	NS	NS	6.20E-01	g/L
Na3PO4	8/27/77	NS	NS	NS	NS	NS	1.391	6.00E-03	M
PO4	8/27/77	NS	NS	RAT-AZ102-4B	NS	NS	1.39	6.00E-03	moles/l
PO4	2/19/82	NS	12/1/81	T3251	NS	NS	1.03	6.00E-03	M
PO4	12/3/75	NS	NS	1458	NS	NS	1.391	5.53E-03	M
PO4	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	5.00E-03	moles/l
PO4	3/10/84	NS	7/31/83	NS	NS	NS	NS	5.00E-03	M
PO4	3/10/84	NS	7/31/83	NS	NS	NS	NS	5.00E-03	M
PO4	7/5/84	NS	7/31/83	T3495	NS	NS	NS	5.00E-03	M
PO43-	NS	NS	NS	NS	NS	NS	1.39	4.46E-03	Mole/L
PO4	12/3/75	NS	NS	1456	NS	NS	1.393	3.28E-03	M
PO4	10/31/86	NS	6/30/85	NS	NS	NS	1.11	2.26E+00	umol/g
Cr	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	2.26E+00	umol/g
PO4---	Aug 89	NS	NS	NS	NS	NS	NS	1.52E-01	g/L

Waste Characterization Database
Tank 241-AZ-102

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P-2	Raw	PO4	#VALUE!	#VALUE!	AZ102-24	Y	Updated per memo 8/17/95
S	Braun	PO4	8.26E+07	8.70E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	PO4	8.26E+07	8.70E-01	AZ102-11	N	Analysis Prior to 9/86
R	Braun	PO4	3.70E+07	3.90E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	PO4	9.50E+06	1.00E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	PO4	9.50E+06	1.00E-01	AZ102-11	N	Analysis Prior to 9/86
L	Raw	PO4	5.22E+06	5.50E-02	AZ102-14	N	No units for concentration given in report
S	Raw	PO4	1.90E+06	2.00E-02	AZ102-14	N	No units for concentration given in report
P	Braun	PO4	1.04E+06	1.10E-02	NS	N	Analysis Prior to 9/86
L	Raw	PO4	1.04E+06	1.10E-02	AZ102-6	N	Analysis Prior to 9/86
L	Raw	PO4	9.50E+05	1.00E-02	AZ102-5	N	Analysis Prior to 9/86
P	Braun	PO4	9.50E+05	1.00E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
R	Braun	PO4	9.50E+05	1.00E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	PO4	9.13E+05	9.61E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	PO4	9.13E+05	9.61E-03	AZ102-8	N	Analysis Prior to 9/86
P	Braun	PO4	8.91E+05	9.38E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	PO4	8.91E+05	9.38E-03	AZ102-8	N	Analysis Prior to 9/86
L	Raw	PO4	8.00E+05	8.42E-03	AZ102-3	N	Analysis Prior to 9/86
L	Raw	PO4	7.89E+05	8.31E-03	AZ102-3	N	Analysis Prior to 9/86
L	Raw	PO4	7.76E+05	8.17E-03	AZ102-3	N	Analysis Prior to 9/86
L	Raw	PO4	7.68E+05	8.09E-03	AZ102-3	N	Analysis Prior to 9/86
L	Raw	PO4	7.23E+05	7.61E-03	AZ102-3	N	Analysis Prior to 9/86
BI	Raw	PO4	7.20E+05	7.58E-03	AZ102-18	D	NS
L	Raw	PO4	6.76E+05	7.12E-03	AZ102-3	N	Analysis Prior to 9/86
G	Wastren	PO4	6.20E+05	6.53E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
F	Raw	PO4	5.70E+05	6.00E-03	AZ102-4	N	Analysis Prior to 9/86
P	Braun	PO4	5.70E+05	6.00E-03	NS	N	Analysis Prior to 9/86
L	Raw	PO4	5.70E+05	6.00E-03	AZ102-10	N	Analysis Prior to 9/86
L	Raw	PO4	5.25E+05	5.53E-03	AZ102-3	N	Analysis Prior to 9/86
P	Braun	PO4	4.75E+05	5.00E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	PO4	4.75E+05	5.00E-03	AZ102-16	N	These data are so messed up it will be easier to reenter them.
L	Raw	PO4	4.75E+05	5.00E-03	AZ102-16	N	Point in DB already cc 8/15/95
L	Raw	PO4	4.75E+05	5.00E-03	AZ102-16	N	Point in DB already cc 8/15/95
S	HTCE Inv.	PO4	4.24E+05	4.46E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	PO4	3.12E+05	3.28E-03	AZ102-3	N	Analysis Prior to 9/86
EI	Raw	PO4	2.38E+05	2.51E-03	AZ102-18	D	NS
EI	Raw	PO4	2.38E+05	2.51E-03	AZ102-23	N	Solid sample after has been washed with fresh water
P	Wastren	PO4	1.52E+05	1.60E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data

ICF KH
11/16/95

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
PO4	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.36E+00	umol/g
PO4	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.36E+00	umol/g
PO43-	NS	NS	NS	NS	NS	NS	1.04	7.25E-04	Mole/L
PO4	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	4.21E-01	umol/g
PO4	1/30/82	NS	NS	T-5387	NS	NS	1.008	3.10E-04	moles/l
PO4	2/19/82	NS	NS	T5387	NS	NS	1.008	3.10E-04	M
PO4	10/31/86	NS	6/30/85	NS	NS	NS	NS	4.21E-01	umol/g
Sb	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	<7.40e-02	umol/g
F	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	<2.50e+00	umol/g
Se	NS	NS	NS	NS	NS	NS	NS	1.12E-02	g/L
Se	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.20E-01	umol/g
Se	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.20E-01	umol/g
Se	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	2.80E-02	umol/g
SO4	5/5/82	NS	11/4/81	NS	NS	NS	1.09	<2.00e-02	M
SO4	1/1/77	NS	NS	NS	NS	NS	NS	NS	NS
SO4	12/13/83	NS	7/31/83	T1521	NS	NS	NS	1.90E+00	M
SO4	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	9.04E-01	moles/l
SO4	6/26/75	NS	NS	NS	NS	NS	1.392	9.04E-01	M
Sulfate	7/26/95	N/A	3/2/91	BOD9R3	AZ-102-1	S95T000263	1.1	1.88E+04	UG/ml
Sulfate	7/26/95	N/A	3/2/91	BOD9R3	AZ-102-1	S95T000263	1.1	1.86E+04	UG/ml
Sulfate	7/26/95	N/A	3/2/91	BOD9R5	AZ-102-3	S95T000265	1.1	1.77E+04	UG/ml
Sulfate	7/26/95	N/A	3/2/91	BOD9R4	AZ-102-2	S95T000264	1.1	1.76E+04	UG/ml
Sulfate	7/26/95	N/A	3/2/91	BOD9R5	AZ-102-3	S95T000265	1.1	1.73E+04	UG/ml
SO4--	Aug 89	NS	NS	NS	NS	NS	NS	1.41E+01	g/L
Sulfate	7/26/95	N/A	3/2/91	BOD9R4	AZ-102-2	S95T000264	1.1	1.38E+04	UG/ml
SO4	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.24E+02	umol/g
SO4	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.24E+02	umol/g
SO4	10/31/86	NS	6/30/85	NS	NS	NS	1.73	6.81E+01	umol/g
SO4	3/10/84	NS	7/31/83	NS	NS	NS	NS	1.13E-01	M
SO4	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	1.10E-01	moles/l
SO4	3/10/84	NS	7/31/83	NS	NS	NS	NS	1.10E-01	M
SO4	7/5/84	NS	7/31/83	T3495	NS	NS	NS	1.10E-01	M
SO4	12/13/83	NS	7/31/83	T1520	NS	NS	NS	1.10E-01	M
SO4	10/31/86	NS	NS	R880311	NS	NS	NS	1.10E-01	M
SO4	10/31/86	NS	NS	R081287	NS	NS	NS	1.10E-01	M
SO4--	Aug 89	NS	NS	NS	NS	NS	NS	9.75E+00	g/L
SO4	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	1.00E-01	moles/l
SO4	5/5/82	NS	11/4/81	NS	NS	NS	1.4	1.00E-01	M

Waste Characterization Database
Tank 241-AZ-102

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
CI	Raw	PO4	1.47E+05	1.55E-03	AZ102-23	Y	
CI	Raw	PO4	1.47E+05	1.55E-03	AZ102-18	D	NS
L	HTCE Inv.	PO4	6.89E+04	7.25E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
FI	Raw	PO4	4.00E+04	4.21E-04	AZ102-23	N	Water wash of solid sample not supernatant
P	Braun	PO4	2.94E+04	3.10E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	PO4	2.94E+04	3.10E-04	AZ102-9	N	Not a traceable reference, analysis Prior to 9/86
FI	Raw	PO4	0.00E+00	0.00E+00	AZ102-18	D	NS
CI	Raw	Sb	#VALUE!	#VALUE!	AZ102-23	Y	
EI	Raw	Se	#VALUE!	#VALUE!	AZ102-18	N	Solid sample after has been washed with fresh water
P	Wastren	Se	1.12E+04	1.42E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Se	1.08E+04	1.37E-04	AZ102-23	Y	
CI	Raw	Se	1.08E+04	1.37E-04	AZ102-18	D	NS
FI	Raw	Se	2.21E+03	2.80E-05	AZ102-18	N	Water wash of solid sample not supernatant
L	Raw	SO4	#VALUE!	#VALUE!	AZ102-11	N	Analysis Prior to 9/86
L	TRAC	SO4	NS	NS	NS	N	Analysis Prior to 9/86
S	Raw	SO4	1.83E+08	1.90E+00	AZ102-14	N	No units for concentration given in report
P	Braun	SO4	8.68E+07	9.04E-01	NS	N	Analysis Prior to 9/86
L	Raw	SO4	8.68E+07	9.04E-01	AZ102-6	N	Analysis Prior to 9/86
P-1	Raw	SO4	1.88E+07	1.96E-01	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	SO4	1.86E+07	1.94E-01	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	SO4	1.77E+07	1.84E-01	AZ102-24	Y	Updated per memo 8/17/95
P-2	Raw	SO4	1.76E+07	1.83E-01	AZ102-24	Y	Updated per memo 8/17/95
P-1	Raw	SO4	1.73E+07	1.80E-01	AZ102-24	Y	Updated per memo 8/17/95
P	Wastren	SO4	1.41E+07	1.47E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P-1	Raw	SO4	1.38E+07	1.44E-01	AZ102-24	Y	Updated per memo 8/17/95
CI	Raw	SO4	1.36E+07	1.41E-01	AZ102-23	Y	
CI	Raw	SO4	1.36E+07	1.41E-01	AZ102-18	D	NS
BI	Raw	SO4	1.13E+07	1.18E-01	AZ102-18	D	NS
L	Raw	SO4	1.09E+07	1.13E-01	AZ102-16	N	These data are so messed up it will be easier to reenter them.
P	Braun	SO4	1.06E+07	1.10E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	SO4	1.06E+07	1.10E-01	AZ102-16	N	Point in DB already_cc 8/15/95
L	Raw	SO4	1.06E+07	1.10E-01	AZ102-16	N	Point in DB already_cc 8/15/95
L	Raw	SO4	1.06E+07	1.10E-01	AZ102-14	N	No units for concentration given in report
L	Raw	SO4	1.06E+07	1.10E-01	AZ102-19	N	Not a traceable reference
L	Raw	SO4	1.06E+07	1.10E-01	AZ102-22	N	Not a traceable reference
G	Wastren	SO4	9.75E+06	1.01E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Braun	SO4	9.61E+06	1.00E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	SO4	9.61E+06	1.00E-01	AZ102-11	N	Analysis Prior to 9/86

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported U
SO42-	NS	NS	NS	NS	NS	NS	1.39	9.03E-02	Mole/L
SO4	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	5.00E-02	moles/l
SO42-	NS	NS	NS	NS	NS	NS	1.04	4.60E-02	Mole/L
SO4	2/4/81	NS	NS	R-3699	NS	NS	1.11	2.75E-02	moles/l
SO4	2/4/81	NS	NS	R-3700	NS	NS	1.11	2.75E-02	moles/l
SO4	2/4/81	NS	NS	R3699	NS	NS	1.11	2.75E-02	M
SO4	2/4/81	NS	NS	R3700	NS	NS	1.11	2.75E-02	M
SO4	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	2.00E-02	moles/l
SO4	10/30/86	NS	NS	R060386	NS	NS	NS	2.00E-02	M
SO4	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	1.95E+01	umol/g
SO4	10/31/86	NS	6/30/85	NS	NS	NS	1.11	7.30E+00	umol/g
F	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	7.30E+00	umol/g
SO4	10/31/86	NS	6/30/85	NS	NS	NS	NS	1.95E+01	umol/g
Sr	10/31/86	NS	6/30/85	NS	NS	NS	1.73	3.73E+00	umol/g
Sr	8/1/85	NS	NS	NS	NS	NS	NS	4.87E-01	g/L
Sr	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	1.38E-03	moles/l
Sr	10/31/86	NS	6/30/85	NS	NS	NS	1.11	9.00E-01	umol/g
F	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	9.00E-01	umol/g
Sr	8/1/85	NS	NS	NS	NS	NS	NS	2.07E-04	g/L
Sr	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	2.00E-03	umol/g
Sr	10/31/86	NS	6/30/85	NS	NS	NS	1.14	2.00E-03	umol/g
Sr	10/31/86	NS	6/30/85	NS	NS	NS	NS	0.00E+00	umol/g
Sr	8/31/89	NS	6/30/85	Composite Core	NS	NS	NS	0.00E+00	umol/g
Sr	8/31/89	NS	6/30/85	L1	NS	NS	NS	3.00E+00	umol/g
TC	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	6.98E+02	umol/g
Te	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	<4.00e-03	umol/g
Te	10/31/86	NS	6/30/85	NS	NS	NS	1.11	1.36E+00	umol/g
F	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	1.36E+00	umol/g
Te	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.80E-02	umol/g
Te	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.80E-02	umol/g
Te	8/1/85	NS	NS	NS	NS	NS	NS	2.17E-03	g/L
F	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	<1.00e+01	umol/g
TI	10/31/86	NS	6/30/85	Composite Core	NS	NS	(1.0)	<6.10e-02	umol/g

Waste Characterization Database
Tank 241-AZ-102

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
S	HTCE Inv.	SO4	8.68E+06	9.03E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
R	Braun	SO4	4.80E+06	5.00E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	HTCE Inv.	SO4	4.42E+06	4.60E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	SO4	2.64E+06	2.75E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	SO4	2.64E+06	2.75E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	SO4	2.64E+06	2.75E-02	AZ102-8	N	Analysis Prior to 9/86
L	Raw	SO4	2.64E+06	2.75E-02	AZ102-8	N	Analysis Prior to 9/86
P	Braun	SO4	1.92E+06	2.00E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	SO4	1.92E+06	2.00E-02	AZ102-21	N	Not a traceable reference
FI	Raw	SO4	1.87E+06	1.95E-02	AZ102-23	N	Water wash of solid sample not supernatant
EI	Raw	SO4	7.78E+05	8.10E-03	AZ102-18	D	NS
EI	Raw	SO4	7.78E+05	8.10E-03	AZ102-23	N	Solid sample after has been washed with fresh water
FI	Raw	SO4	0.00E+00	0.00E+00	AZ102-18	D	NS
BI	Raw	Sr	5.65E+05	6.45E-03	AZ102-18	D	NS
G	Wastren	Sr	4.87E+05	5.56E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Braun	Sr	1.21E+05	1.38E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	Sr	8.75E+04	9.99E-04	AZ102-18	D	NS
EI	Raw	Sr	8.75E+04	9.99E-04	AZ102-23	N	Solid sample after has been washed with fresh water
P	Wastren	Sr	2.07E+02	2.36E-06	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	Sr	2.00E+02	2.28E-06	AZ102-23	Y	
CI	Raw	Sr	2.00E+02	2.28E-06	AZ102-18	D	NS
FI	Raw	Sr	0.00E+00	0.00E+00	AZ102-18	N	value reported as 0.000
FI	Raw	Sr	0.00E+00	0.00E+00	AZ102-23	N	value reported as 0.000
Y	Raw	Sr	0.00E+00	0.00E+00	AZ102-23	D	NS
CI	Raw	TC	9.55E+06	7.96E-01	AZ102-23	Y	
FI	Raw	Te	#VALUE!	#VALUE!	AZ102-18	N	Water wash of solid sample not supernatant
EI	Raw	Te	1.93E+05	1.51E-03	AZ102-18	D	NS
EI	Raw	Te	1.93E+05	1.51E-03	AZ102-23	N	Solid sample after has been washed with fresh water
CI	Raw	Te	2.62E+03	2.05E-05	AZ102-23	Y	
CI	Raw	Te	2.62E+03	2.05E-05	AZ102-18	D	NS
P	Wastren	Te	2.17E+03	1.70E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	TI	#VALUE!	#VALUE!	AZ102-18	N	Solid sample after has been washed with fresh water
FI	Raw	TI	#VALUE!	#VALUE!	AZ102-18	N	Water wash of solid sample not supernatant

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported Unit
TI	8/1/85	NS	NS	NS	NS	NS	NS	3.93E-02	g/L
TI	10/31/86	NS	6/30/85	NS	NS	NS	1.14	1.63E-01	umol/g
TI	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.63E-01	umol/g
TOC wt% C (wet)	NS	NS	NS	NS	NS	NS	1.39	2.77E+00	wt%
TOC	10/31/86	NS	6/30/85	NS	NS	NS	NS	2.63E+02	umol/g
F	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.11	9.00E+01	umol/g
TOC	10/31/86	NS	6/30/85	NS	NS	NS	NS	1.12E+02	umol/g
TOC wt% C (wet)	NS	NS	NS	NS	NS	NS	1.04	2.03E-03	wt%
TOC	12/3/75	NS	NS	1459	NS	NS	1.386	1.23E+02	g/L
TOC	12/3/75	NS	NS	1496C	NS	NS	1.379	1.22E+02	g/L
TOC	6/26/75	NS	NS	RAT-AZ102-4a	NS	NS	1.39	1.22E+02	gm/l
TOC	6/26/75	NS	NS	NS	NS	NS	1.392	1.22E+02	g/L
TOC	12/3/75	NS	NS	1456	NS	NS	1.393	1.12E+02	g/L
TOC	12/3/75	NS	NS	1457	NS	NS	1.398	1.12E+02	g/L
TOC	12/3/75	NS	NS	1458	NS	NS	1.391	1.12E+02	g/L
TOC	12/3/75	NS	NS	1496D	NS	NS	1.36	8.82E+01	g/L
TOC	12/3/75	NS	NS	1496A	NS	NS	1.378	8.80E+01	g/L
TOC	12/3/75	NS	NS	1496B	NS	NS	1.38	8.78E+01	g/L
TOC	12/3/75	NS	NS	1496C	NS	NS	1.379	8.72E+01	g/L
TOC	12/3/75	NS	NS	1496A	NS	NS	1.378	8.70E+01	g/L
TOC	12/3/75	NS	NS	1496B	NS	NS	1.38	8.68E+01	g/L
TOC	12/3/75	NS	NS	1496D	NS	NS	1.36	8.52E+01	g/L
TOC	8/27/77	NS	NS	NS	NS	NS	1.391	7.74E+01	g/L
TOC	9/20/78	NS	NS	RAT-AZ102-4C	NS	NS	1.39	7.60E+01	gm/l
TOC	9/20/78	NS	NS	NS	NS	NS	1.39	7.60E+01	g/L
TOC	7/28/79	NS	NS	RAT-AZ102-4D	NS	NS	1.41	7.00E+01	gm/l
TOC	7/28/79	NS	NS	NS	NS	NS	1.41	7.00E+01	g/l
TOC	7/28/79	NS	NS	RAT-AZ102-6	NS	NS	1.41	7.00E+01	gm/l
TOC	10/30/86	NS	NS	R280783	NS	NS	NS	7.00E+01	g/L
Cd	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.73	1.06E+01	g/L
TOC	12/13/83	NS	7/31/83	NS	NS	NS	NS	1.05E+01	g/L
TOC	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	8.02E+00	gm/l
TOC	5/5/82	NS	11/4/81	NS	NS	NS	1.4	8.02E+00	g/L
Cd	8/31/89	NS	6/30/85	Composite Core	NS	NS	1.73	8.00E+00	g/L
TOC	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	6.14E+00	gm/l
TOC	Aug 89	NS	NS	NS	NS	NS	NS	4.70E+00	g/L

Waste Characterization Database
Tank 241-AZ-102

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Wastren	TI	3.93E+04	1.92E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
CI	Raw	TI	3.80E+04	1.86E-04	AZ102-18	D	NS
CI	Raw	TI	3.80E+04	1.86E-04	AZ102-23	Y	
S	HTCE Inv.	TOC	3.85E+19	3.21E+12	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	TOC	5.05E+18	4.21E+11	AZ102-18	N	No TOC values given in the partial report available_cc_8/15/95; may be in AZ-102-23
EI	Raw	TOC	1.73E+18	1.44E+11	AZ102-23	N	Solid sample after has been washed with fresh water
L	Raw	TOC	1.61E+18	1.34E+11	AZ102-18	N	No TOC values given in the partial report available_cc_8/15/95; may be in AZ-102-23
L	HTCE Inv.	TOC	2.11E+16	1.76E+09	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	TOC	1.23E+08	1.03E+01	AZ102-3	N	Analysis Prior to 9/86
L	Raw	TOC	1.22E+08	1.02E+01	AZ102-3	N	Analysis Prior to 9/86
P	Braun	TOC	1.22E+08	1.02E+01	NS	N	Analysis Prior to 9/86
L	Raw	TOC	1.22E+08	1.02E+01	AZ102-6	N	Analysis Prior to 9/86
L	Raw	TOC	1.12E+08	9.33E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	TOC	1.12E+08	9.33E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	TOC	1.12E+08	9.33E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	TOC	8.82E+07	7.35E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	TOC	8.80E+07	7.33E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	TOC	8.78E+07	7.32E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	TOC	8.72E+07	7.27E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	TOC	8.70E+07	7.25E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	TOC	8.68E+07	7.23E+00	AZ102-3	N	Analysis Prior to 9/86
L	Raw	TOC	8.52E+07	7.10E+00	AZ102-3	N	Analysis Prior to 9/86
F	Raw	TOC	7.74E+07	6.45E+00	AZ102-4	N	Analysis Prior to 9/86
P	Braun	TOC	7.60E+07	6.33E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	TOC	7.60E+07	6.33E+00	AZ102-6	N	Analysis Prior to 9/86
P	Braun	TOC	7.00E+07	5.83E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	TOC	7.00E+07	5.83E+00	AZ102-5	N	Analysis Prior to 9/86
R	Braun	TOC	7.00E+07	5.83E+00	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	TOC	7.00E+07	5.83E+00	AZ102-20	N	Not a traceable reference
BI	Raw	TOC	1.06E+07	8.83E-01	AZ102-14	D	Duplicate of Data in Kaizer AZ-102-23
S	Raw	TOC	1.05E+07	8.75E-01	AZ102-14	N	Calculated not measured
S	Braun	TOC	8.02E+06	6.68E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
S	Raw	TOC	8.02E+06	6.68E-01	AZ102-11	N	Analysis Prior to 9/86
BI	Raw	TOC	8.00E+06	6.67E-01	AZ102-14	D	Duplicate of Data in Kaizer AZ-102-23
R	Braun	TOC	6.14E+06	5.12E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
G	Wastren	TOC	4.70E+06	3.92E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported U
TOC	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	3.81E+00	gm/l
TOC	5/5/82	NS	11/4/81	NS	NS	NS	1.09	3.81E+00	g/L
TOC	10/30/86	NS	NS	R060386	NS	NS	NS	3.81E+00	g/L
TOC	Aug 89	NS	NS	NS	NS	NS	NS	1.59E+00	g/L
Tot. Organic Carbon	7/26/95	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	1.58E+03	UG/ml, C
Tot. Organic Carbon	7/26/95	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	1.56E+03	UG/ml, C
Tot. Organic Carbon	7/26/95	N/A	3/2/91	B0D9R3	AZ-102-1	S95T000263	1.1	1.55E+03	UG/ml, C
TOC	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	1.12E+02	umol/g, C
TOC	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	1.52E+00	gm/l
TOC	3/10/84	NS	7/31/83	NS	NS	NS	NS	1.52E+00	g/L
TOC	3/10/84	NS	7/31/83	NS	NS	NS	NS	1.52E+00	g/l
TOC	7/5/84	NS	7/31/83	T3495	NS	NS	NS	1.52E+00	g/L
TOC	10/31/86	NS	NS	R880311	NS	NS	NS	1.52E+00	g/L
Tot. Organic Carbon	7/26/95	N/A	3/2/91	B0D9R4	AZ-102-2	S95T000264	1.1	1.51E+03	UG/ml, C
Tot. Organic Carbon	7/26/95	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	1.42E+03	UG/ml, C
Tot. Organic Carbon	7/26/95	N/A	3/2/91	B0D9R5	AZ-102-3	S95T000265	1.1	1.40E+03	UG/ml, C
TOC	12/13/83	NS	7/31/83	NS	NS	NS	NS	7.20E-01	g/L
TOC	10/31/86	NS	NS	R081287	NS	NS	NS	7.20E-01	g/L
TOC	1/30/82	NS	NS	T-5387	NS	NS	1.008	5.22E-02	gm/l
TOC	2/19/82	NS	NS	T5387	NS	NS	1.008	5.22E-02	g/l
TOC	8/31/89	NS	6/30/85	Composite Core	NS	NS	NS	0.00E+00	umol/g
U	11/5/81	NS	NS	RAT-AZ102-2B	NS	NS	1.4	5.99E+00	gm/l
U	11/5/81	NS	NS	RAT-AZ102-2C	NS	NS	1.26	1.64E+00	gm/l
U	11/5/81	NS	NS	RAT-AZ102-2A	NS	NS	1.09	1.56E-01	gm/l
U	10/1/83	NS	NS	RAT-AZ102-3	NS	NS	NS	5.00E-02	gm/l
U	2/4/81	NS	NS	R-3700	NS	NS	1.11	2.95E-02	gm/l
U	2/4/81	NS	NS	R-3699	NS	NS	1.11	2.78E-02	gm/l
V	10/31/86	NS	6/30/85	NS	NS	NS	1.11	3.70E-01	umol/g
Fe	10/31/86	NS	6/30/85	Composite Core	NS	NS	1.11	3.70E-01	umol/g
V	8/1/85	NS	NS	NS	NS	NS	NS	2.10E-03	g/L
V	9/1/93	N/A	6/30/85	N/A	N/A	N/A	1.14	3.50E-02	umol/g

Waste Characterization Database
Tank 241-AZ-102

Analyte Information							
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
P	Braun	TOC	3.81E+06	3.18E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	TOC	3.81E+06	3.18E-01	AZ102-11	N	Analysis Prior to 9/86
L	Raw	TOC	3.81E+06	3.18E-01	AZ102-21	N	Not a traceable reference
P	Wastren	TOC	1.59E+06	1.33E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P-1	Raw	TOC	1.58E+06	1.32E-01	AZ102-24	Y	Updated per memo 8/17/95, determined by coulometry
P-1	Raw	TOC	1.56E+06	1.30E-01	AZ102-24	Y	Updated per memo 8/17/95, determined by coulometry
P-2	Raw	TOC	1.55E+06	1.29E-01	AZ102-24	Y	Updated per memo 8/17/95, determined by coulometry
Cl	Raw	TOC	1.53E+06	1.28E-01	AZ102-23	Y	
P	Braun	TOC	1.52E+06	1.27E-01	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	TOC	1.52E+06	1.27E-01	AZ102-16	N	These data are so messed up it will be easier to reenter them.
L	Raw	TOC	1.52E+06	1.27E-01	AZ102-16	N	Point in DB already cc 8/15/95
L	Raw	TOC	1.52E+06	1.27E-01	AZ102-16	N	Point in DB already cc 8/15/95
L	Raw	TOC	1.52E+06	1.27E-01	AZ102-19	N	Not a traceable reference
P-2	Raw	TOC	1.51E+06	1.26E-01	AZ102-24	Y	Updated per memo 8/17/95, determined by coulometry
P-1	Raw	TOC	1.42E+06	1.18E-01	AZ102-24	Y	Updated per memo 8/17/95, determined by coulometry
P-2	Raw	TOC	1.40E+06	1.17E-01	AZ102-24	Y	Updated per memo 8/17/95, determined by coulometry
L	Raw	TOC	7.20E+05	6.00E-02	AZ102-14	N	Calculated not measured
L	Raw	TOC	7.20E+05	6.00E-02	AZ102-22	N	Not a traceable reference
P	Braun	TOC	5.22E+04	4.35E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
L	Raw	TOC	5.22E+04	4.35E-03	AZ102-9	N	Not a traceable reference, analysis Prior to 9/86
Fl	Raw	TOC	0.00E+00	0.00E+00	AZ102-23	N	value reported as 0.000
S	Braun	U	5.99E+06	2.52E-02	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
Y	Braun	U	1.64E+06	6.89E-03	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	U	1.56E+05	6.55E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	U	5.00E+04	2.10E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	U	2.95E+04	1.24E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
P	Braun	U	2.78E+04	1.17E-04	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
EI	Raw	V	2.09E+04	4.11E-04	AZ102-18	D	NS
EI	Raw	V	2.09E+04	4.11E-04	AZ102-23	N	Solid sample after has been washed with fresh water
P	Wastren	V	2.10E+03	4.12E-05	NS	N	Won't use Braun, Wastren, or HTCE Inv. Data
Cl	Raw	V	2.03E+03	3.99E-05	AZ102-23	Y	

ICF KH
11/16/95

Tank Waste Characterization Sample Information									
Reported Chemical	Memo Date	Start Analysis Date	Start Sample Date	Sample Number	Tank Farm Number	Lab Sample Number	Density (g/mL)	Reported Value	Reported U
V	10/31/86	NS	6/30/85	NS	NS	NS	1.14	3.50E-02	umol/g
V	8/31/89	NS	6/30/85	Composite Core	NS	NS	(1.0)	7.00E-03	umol/g
V	10/31/86	NS	6/30/85	NS	NS	NS	NS	7.00E-03	umol/g

Waste Characterization Database
Tank 241-AZ-102

		Analyte Information					
Code	Source	Analyte	Conc. (ug/L)	Conc. (mol/L)	Reference Number	Validated (Y/N)	Notes
CI	Raw	V	2.03E+03	3.99E-05	AZ102-18	D	NS
FI	Raw	V	3.57E+02	7.00E-06	AZ102-23	N	Water wash of solid sample not supernatant
FI	Raw	V	0.00E+00	0.00E+00	AZ102-18	D	NS