

DANIEL B. STEPHENS & ASSOCIATES, INC.

ENVIRONMENTAL SCIENTISTS AND ENGINEERS

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**DOCUMENTATION OF HOPI TRIBE  
HYDROGEOLOGIC DATABASE**

**FINAL**

**Prepared for  
The Hopi Tribe  
Kykotsmovi, Arizona**

**September 29, 1995**

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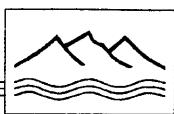
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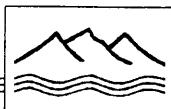
## 1. INTRODUCTION

Daniel B. Stephens & Associates, Inc. (DBS&A) was contracted by the Hopi Tribe to prepare an integrated hydrogeologic database. The database is referred to as Hbase on the digital files included with this documentation. The database development was initiated in 1994 under a grant from the U.S. Environmental Protection Agency (EPA Region IX) under Section 106 of the Clean Water Act. The initial database development consisted of the following activities:

- Design of a database structure to facilitate storage and retrieval of hydrogeological data pertinent to Hopi monitoring activities
- Extensive reformatting of multiple databases for input into the new database
- Elimination of duplicate records present in the multiple databases
- Preparation of input screens for importation of new data
- Preparation of reporting programs for presentation of data

Subsequent tasks were performed in 1995 under a grant from Glen Canyon Environmental Studies (GCES). Tasks completed under the 1995 program include:

- Update the hydrologic database with more recent surface- and ground-water data and missing data as relevant data becomes available.
- Review the files that have been included in the LCR database and add or detail information, as appropriate, to improve the quality of the database.
- Coordinate with GCES to ensure that the final format is compatible with GCES software.
- Make the database more user-friendly by improving the data viewing and reporting functions.



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In addition to the above tasks that were specified in the DBS&A work plan, import programs were written that will allow for annual updating of the database with EarthInfo data, and a query option for streamflow and climatological data was added.

Details of the database development are included in Sections 2 through 4 of this document. Detailed descriptions of the database fields are provided in Appendix A, and Appendix B includes instructions on how to conduct dBase queries. Appendices C, D, and E include listings of the codes, streamflow station, and climate station files, respectively. Finally, Appendix F includes examples of the FLD/VAR files, and Appendix G includes a listing of source codes.



## 2. DATA REVIEW AND CONVERSION

At the onset of the project, DBS&A received data from the Hopi Tribe, including multiple files compiled by the United States Geological Survey (USGS), the Hopi Tribe, and consultants involved in ground-water investigations in the Hopi Reservation area. The information compiled in the database includes data pertaining to monitoring site descriptions, ground-water levels, surface- and ground-water quality, lithology, ground-water pumpage, streamflow, spring discharge and quality, and climatology. In order to formulate a structure for the compiled database, DBS&A reviewed each of the original database files to determine the types of data represented and converted each of these database files into a common format. This file conversion required ASCII parsing, fixed-length ASCII importing, and database and spreadsheet importing.

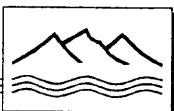
After importation of the original data, it was evident that the data contained missing fields and was not complete in that it did not include data from all stations within the Little Colorado River (LCR) basin. Consequently, the majority of the work on the database project in 1995 consisted of updating the hydrologic database and adding substantial new information to improve the quality of the databases. The 1995 data updates included development of import programs to append EarthInfo data, as well as spreadsheet importing and hand entering of additional hard copy data supplied by the Hopi Tribe.

### 2.1 ASCII Parsing

One of the ASCII database files (HOPI93.TXT) contained water quality information. It appeared to be the output of a data validation program, and thus the raw data were intermixed with quality assurance (QA) information. A program was written to parse through this ASCII file and extract the raw data into a database format.

### 2.2 Fixed-Length ASCII Importing

A majority of the database files from the USGS were in ASCII fixed-length format. Using a fixed-length import utility program, these 84 database files were converted into database format. The database files having common structures were then combined to yield 13 unique databases



containing a wide range of site data, construction data, water level data, and water quality data. Detailed descriptions of the database fields are included in Appendix A.

### **2.3 Spreadsheet and Database Importing**

The remainder of the database files received were either in Lotus or dBASE format; these files were directly imported into a database format. These database files included 10 dBASE files from the USGS containing ground-water and spring water quality data, 12 Lotus and dBASE files from the Hopi Tribe containing ground- and surface-water quality data, and 18 dBASE files from S.S. Papadopoulos & Associates, Inc. containing climate data, discharge data, water level data, site data, and water quality data. Additionally, water quality data collected by the Hopi Tribe and DBS&A were either imported from spreadsheet files or manually entered into the database.

### **2.4 EarthInfo Data Importing**

During 1995, water quality, streamflow, and climatological data were imported from the EarthInfo database (EarthInfo, Inc., 1993a, 1993b, 1994/95). In general, only data fields that were consistent with the established structure of the database were imported. However, a quality assurance field was added to the water quality database. The programs developed to import the EarthInfo data can be used to provide annual database updates, provided that EarthInfo does not change their database structure. Additional details on the EarthInfo import programs are provided in Section 4.4.



### 3. STRUCTURE FORMULATION AND DATABASE COMPIILATION

After reviewing the databases received, DBS&A formulated a structure to encompass the types of data represented. Following consultation with the Hopi Tribe, this structure was refined to store only the data that would be used on a regular basis. The final structure for the compiled database is composed of 13 database files that are linked by SiteID and SiteName. The primary database file, Sitefile.db, stores general information on all of the sites in the database. A record for a given site must be created in Sitefile.db before any data can be entered in any of the other database files. Complete documentation for each field is provided in Appendix A.

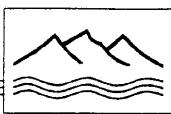
With the database structure in place, the next task was to extract data from the various database files into the new structure. One difficulty in the conversion was the difference in abbreviations used by different sources. Because of the inconsistencies in abbreviations, it was decided that abbreviations would be replaced with their spelled out counterpart in the compiled database. These conversions, along with the extraction of data into the new structure, involved the development of several programs as described in Sections 3.1 through 3.4.

#### 3.1 Column to Row Conversion

Several of the database files containing water quality information stored the data in columnar format, where each column represented a different chemical compound. Because of the large number of compounds for which data exist, it was necessary to store water quality data in a record-by-record format, in which each record contains the analytical result for a single data point for a single compound identified by a code. For each of the database files having this columnar format, a program was written to transfer it into the compiled structure.

#### 3.2 Abbreviation Replacement

The 14 database files converted from the USGS fixed-length ASCII format had several fields that used abbreviations. For each of these database files, a program was written to spell out the abbreviated terms and transfer the records into the compiled structure.



### 3.3 Field Extraction

Several of the database files contained fields relating to more than 1 of the 13 database files that comprise the compiled structure, as well as data that were determined to be unnecessary (i.e., containing data not included in one of the defined database fields). Programs were written for every database file to transfer the relevant data into the appropriate compiled database files; unnecessary data were not transferred.

### 3.4 EarthInfo Data Conversion

Four import programs were written to import data into HBase. The programs are located on the Utility option of the Main Menu. Three of the programs import EarthInfo data, and the fourth imports comma-quote-delimited ASCII files. The EarthInfo programs import a specific format. Section 4.4 describes the various programs and their formats in further detail.

Data were queried out of EarthInfo (1993a, 1993b, 1994/95) using the following procedure:

1. Start EarthInfo.
2. Hit **F6=Restart** and then select **Create query**. A message might appear asking to **Discard Current Set? (Y)es or (N)o**. Select **(Y)es**.
3. Define query criteria:
  - Select **STATION** from the **CATEGORY** window.
  - Select **LATITUDE** from the **FIELD** window.
  - Select **from/to** from the **NUMERIC OPERATION** window.
  - Enter latitude from N33:45:00 to N37:00:00 (for the entire LCR basin, or select appropriate latitude range).
  - Select **LONGITUDE** from the **FIELD** window.
  - Select **from/to** from the **NUMERIC OPERATION** window.
  - Enter longitude from W108:00:00 to W112:00:00 (for the entire LCR basin, or select appropriate longitude range).



- Select \*DONE\* from the **FIELD** window.
- Select **(A)nd** from the **JOIN CONDITIONS WITH: (A)nd (O)r (C)ustom** window.
- Select \*EXECUTE\* from the **CATEGORY** window.
- To save the query, enter a path and filename at the **NEW QUERY NAME (Esc=don't save)**: prompt, and then press any key to continue.

EarthInfo then performs the query based upon these criteria.

2. Manually mark pertinent stations that appeared in the latitude-longitude query.
  - The pertinent stations are marked by using the arrow keys to move to a station and then pressing the spacebar. An arrow appears next to the station, indicating that the station is marked. Once all the user-defined stations are marked, press **Enter**.
3. Select either **DAILY** or **OBSERVATION** (depending on the EarthInfo program running) from the **STEP TO** window.
4. Set output format to export.
  - Hit **F4=Output** and select **EXPORT** (The export format is determined by the program accordingly [see Section 4.4]).
  - Select **(M)arked** at the **WHICH RECORDS? (A)ll (M)arked** prompt.
6. Enter filename of export file.
  - At the **Export filename:** prompt, enter the path and filename.
  - A window will appear displaying the available space and the size of the export file. Select **(Y)es** to continue.
  - Another window will appear stating the number of records to be sent to the user-defined path and filename. Press any key to start the export.

The export files thus queried out of EarthInfo can be used as import files in HBase.



### 3.5 Duplicate Record Correction

After all the database files had been converted into the new compiled structure, programs were written to identify duplicate records and to delete them if the data they contained were the same. Any remaining apparently duplicate records contain conflicting data from different sources. For example, some records are identical except for minor variations in one or more non-key fields. These records may actually be duplicate records with typographic or other minor errors in one of the source datafiles. The source of the data is included with each of these records, to assist the Hopi Tribe in determining which data to keep. The **dBASE Browse** mode also can be used to assist in identifying duplicate records by viewing more than one record at a time.

In order to use the browse mode, select the database file to be viewed from the modify menu. Then select **dBase Browse** mode. Once in the browse mode, the user can scan the data and identify duplicate records.



## 4. MENU-DRIVEN INTERFACE SPECIFICATION

Concurrent with the data extraction, DBS&A designed and implemented a simple menu-driven interface to allow modification and reporting of the data in the compiled database. Upon obtaining concurrence from the Hopi Tribe, a menu system, input screens, and reports were coded as dBASE programs.

### 4.1 Menu System

When the menu-driven interface is executed, a welcome screen is displayed and a password for modification is requested. The user can type the password or press Esc to bypass it. However, modification of the database (adding, editing, or deleting records) will only be allowed if the password is entered correctly. The password system is set up as a protection against inadvertently changing or deleting data.

The menu-driven interface consists of pull-down menus. The menu bar contains five options: Modify, Query, Reports, Utility, and Exit. The left and right arrow keys are used to highlight the desired menu, the up and down arrow keys are used to highlight the desired pull-down menu selection, and the Enter key is used to make a selection.

- The Modify menu allows selection of the database to be modified. The modify menu includes both a browse mode and an input mode. When the input mode is selected, an input screen is shown, allowing the user to display, edit, add, or delete records. When the browse mode is selected, the user can scan the data to identify records of interest.
- The Query menu allows selection of the streamflow and precipitation queries. Additional queries can be conducted in dBase IV, as explained in Appendix B.
- The Reports menu allows selection of a predefined report to be printed.



- The Utility menu has one Import option, which contains four import programs. These programs import EarthInfo exported files and comma/quote-delimited ASCII files.
- The Exit menu returns the user to dBASE or DOS.

#### 4.2 Modify Option

To allow modification of all data contained in the compiled structure, 13 input screens were implemented, 1 for each database file. Upon selecting a database file to be modified, a pop-up window appears and the user has the options of a browse or input screen mode. The **dBASE Browse** mode is strictly for viewing data; no modification to the data can be made in this mode.

If the **Input Screen** option is chosen, an input screen is displayed and the user is prompted to enter the key fields for the record. (Key fields, which are shown in the top section of the input screen, are database fields that uniquely identify the records.) The user then enters the key fields to look up an existing record or to create a new record. The Esc, Ctrl-PgUp, and Ctrl-PgDn keys are available to bypass the entering of key fields and return to the menu, go to the previous record, or go to the next record, respectively. When entering data into key fields, the left and right arrow keys and the Backspace and Delete keys are available to correct errors. The up and down arrow keys, Tab, Shift-Tab, and Enter can be used to move between fields.

After the user enters data into the key fields, Sitefile.db is queried on the SiteID and SiteName fields (unless Sitefile.db is being modified). If the site file record cannot be found, the user is requested to create an entry for the site in Sitefile.db. If the record is found in Sitefile.db, then the key fields are used to retrieve the record, if it exists, from the current database file.

After the database search is performed, the remaining fields for the record are displayed. These fields contain either the data from the record found in the search or blank fields for a new record. The user can then edit the fields as necessary. When editing non-key fields, the following keys are available:



- Left and right arrow keys, Backspace, and Delete — to correct errors
- Left and right arrow keys, Home, and End — to scroll wide fields (>50 characters)
- Up and down arrow keys, Tab, Shift-Tab, and Enter — to move between fields
- PgUp and PgDn — to toggle input screen pages when editing sitefile.db
- Ctrl-PgUp and Ctrl-PgDn — to go to the previous or next record, respectively
- F2 — to save edits
- F5 — to abort edits
- F10 — to delete the record (mandatory password will be requested)

#### **4.3 Query Option**

The query menu allows selection of one of two queries. The queries are:

- Streamflow - Daily Mean Discharge
- Precipitation - Sum of Daily Values

Both query options contain a query criteria dialog box where the user supplies information necessary for processing. The programs then generate columnar dBASE files which can be exported to a spreadsheet for statistical analysis. In addition to these menu-driven queries, virtually any query (i.e., discharge, water quality, water level, etc.) can be done in dBase IV. Details of how to perform dBase IV queries are provided in Appendix B.

#### **4.4 Reports**

The report menu allows selection of one of five predefined reports to be viewed on screen and then printed. The reports are viewed using the ASCII editor defined in the CONFIG.DB file of the dBASE directory. Modification to the report in the editor is not advised. Return to the menu by exiting the editor normally. The printed reports are formatted for an HP LaserJet III printer connected to LPT1. The predefined reports are:

- Monitor Well and Borehole Descriptions
- Summary of Water Level Information



- Summary of Water Quality Sampling Analyses
- Major Ion Chemical Analyses
- Daily Mean Discharge or Precipitation Values

Subsets of data can be queried in dBASE IV and renamed prior to selecting a report format. For example, the user will normally want to query out data for a specific site or group of sites prior to requesting a report. Detailed instructions on how to query out a data subset are included in Appendix B. The report menu will request the name of the subset file to be entered; if no filename is specified, the complete report will then be generated and sent to the screen for viewing and then to the user-defined destination.

#### 4.5 Utility Option

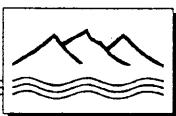
The utility menu contains one option: import. The import option allows selection of one of four import programs. The import programs are:

- USGS Daily Values (DV)
- USGS Quality of Water (QW)
- NCDC Summary of the Day (SD)
- ASCII

The import option is a more advanced capability and should only be run by users with a more extensive understanding of the HBase system.

The *USGS Daily Values (DV)* option imports an EarthInfo USGS Daily Values export file in Daily Card format. A dialog box will prompt the user for the path and filename of the input file (including extension). The program then imports the relevant data for the sitefile, strmflw, wtrlvl and wtrqual databases. Duplicate import data will overwrite the pre-existing data.

The *USGS Quality of Water (QW)* option imports a EarthInfo USGS Quality of Water export file in Daily Card format. A dialog box will prompt the user for the path and filename (including



extension) of the input file. The program then imports the relevant data for the sitefile and wtrqual databases. Duplicate import data will overwrite the pre-existing data.

The *NCDC Summary of the Day (SD)* option imports a EarthInfo Summary of the Day export file in dBASE format. A dialog box will prompt the user for the path and filename (including extension) of the input file. The program then imports the relevant data for the sitefile and climate databases. Duplicate import data will overwrite the pre-existing data.

The *ASCII* option imports a comma/quote-delimited ASCII file into any of the HBase database files. Data must be in the sitefile before it can be imported into any other file. The first step requires that the user create a comma/quote-delimited text file containing the data you wish to import into the database. Data can only be imported one table at a time. The import file can be created any number of ways: exporting from a spreadsheet or database file or manually creating the file using a word processor.

Next, the user creates a .VAR file that specifies which fields are being imported. The .VAR file is created by making a copy of the relevant .FLD file and giving it the .VAR extension. The .VAR file is then modified to represent only the field names being imported. Each line in the .VAR file should contain a single VALID database field name. This allows you to create an import file that only contains a few of the database fields. Note that all field names are contained in files provided with the system that end with the .FLD extension. Example .VAR and .FLD files are included in Appendix F.

The existing database table should always be backed up before importing data so that the user can get back to a known state if there are problems. After creating the .VAR and backup files, select the ASCII option from the Utility menu. The user then selects the destination database file from the pop-up window and presses Enter. A dialog box then prompts the user for the path and filename of the comma/quote-delimited file, and processing begins. If the relevant sitefile information did not exist before importing, the message "Sitefile.imp created; Press any key" will be displayed after processing. This sitefile.imp file contains a list of all the key field data for the records not imported. These data then need to entered into the sitefile before re-importing the data.



## REFERENCES

EarthInfo, Inc. 1993a. USGS Daily Values: DV on CD<sup>2</sup>. EarthInfo, Inc., 5541 Central Avenue, Boulder, Colorado 80301.

EarthInfo, Inc. 1993b. USGS Daily Values: QW on CD<sup>2</sup>. EarthInfo, Inc., 5541 Central Avenue, Boulder, Colorado 80301.

EarthInfo, Inc. 1994 & 1995. NCDC Summary of the Day: SD on CD<sup>2</sup>. EarthInfo, Inc., 5541 Central Avenue, Boulder, Colorado 80301.

S.S. Papadopoulos & Associates, Inc. 1993. Navajo Aquifer Water Study Database Documentation. S.S. Papadopoulos & Associates, Inc., Bethesda, Maryland.

## **APPENDIX A**

### **DESCRIPTION OF DATABASE FIELDS**



### A.1. DOCUMENTATION OF SITEFILE.DB

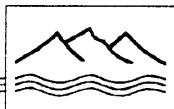
**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe, EarthInfo**

Sitefile.db contains non-temporal information pertaining to a well, spring, or other ground or surface water site. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

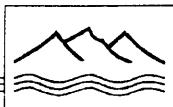
USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C001	A15	<b>SitID</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.
C012	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are:  USGS - USGS Ground-Water Sites Inventory SSPA - S.S. Papadopoulos & Associates, Inc. HOPI - Hopi Tribe Resources Program HGCHEM - HydroGeoChem, Inc. AZ014 - State of Arizona NAV - Navajo Nation NCDC - National Climatic Data Center OSM - Office of Surface Mining PCC - Peabody Coal Company
	A4	<b>EISite_ID</b> (EarthInfo Station ID) - Cooperative Network Index between 1 and 9999 for each state. The number is assigned in proportion to the relative alphabetical position of the station name within the state. Another station can have the same station ID, but it will be in a different state.
C009	A7	<b>Latitude</b> (Latitude) - latitude for the site in degrees, minutes, and seconds.
C010	A8	<b>Longitude</b> (Longitude) - longitude for the site in degrees, minutes, and seconds.

**A.1. DOCUMENTATION OF SITEFILE.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
	A10	<b>Northing</b> - the Y coordinate in meters using the UTM coordinate system.
	A10	<b>Easting</b> - the X coordinate in meters using the UTM coordinate system.
C012	A23	<b>Locator</b> (Local well number) - identifies the location of the well by the township, range and section. The largest subdivision of the quarter section is listed last.
	A22	<b>LocType</b> (Locator type) - indicates the type of locator used in the previous field. All are listed as TRS (Township, Range, Section).
	A8	<b>HydUntCode</b> (Hydro unit type) - location of a stream within major and minor basins.
	A5	<b>CountyCode</b> - a single number consisting of the three-digit county FIPS, preceded by the state FIPS, uniquely identifies every county in EarthInfo Database.
C016	N9.2	<b>Altitude</b> (Altitude) - altitude of the land surface in feet above mean sea level.
C017	A33	<b>Altimethod</b> (Method of altitude determined) - describes the method used to determine the altitude of land surface as follows: <ul style="list-style-type: none"><li>- Altimeter</li><li>- Level or other surveying method</li><li>- Interpolated from topographic map</li></ul>
C002	A30	<b>StationTyp</b> (Type of site) - designates the type of site. Possible site types are: <ul style="list-style-type: none"><li>- Spring</li><li>- Well</li><li>- Lake or Reservoir</li><li>- Stream</li><li>- Ground water other than spring</li></ul>

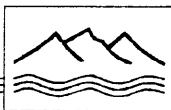
**A.1. DOCUMENTATION OF SITEFILE.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
	A50	<b>Remarks</b> (Remarks) - miscellaneous information pertaining to the site.
C711	A8	<b>InventDate</b> (Date site established/inventoried) - The date the USGS first recorded information on the site. The format is MMDDYYYY. If the month or day is not known, then 00 are entered.
C161	A42	<b>OwnersName</b> (Owner's name) - name of the owner.
C807	N9.2	<b>BaseDischa</b> (Base Discharge) - the base discharge at a surface water site (in cubic feet per second) above which peak discharge data are published.
C808	N9.2	<b>DrainageAre</b> (Drainage Area) - the total drainage area at a surface-water site (in square miles) of the drainage basin.
C809	N9.2	<b>ConDrainAr</b> (Contributing Drainage Area) - the contributing drainage area at a surface-water site (in square miles). This value may be different from the drainage area if part of the drainage does not contribute to runoff due to factors such as soil type or transbasin diversions.
C810	N8.2	<b>CSGageUpEI</b> (Crest-stage gage upstream elevation) - the elevation (gage height) of the index pin used to obtain the flood crest at the upstream gage. This gage may also be referred to as "headwater" gage.
C811	N8.2	<b>CSGageDnEI</b> (Crest-stage gage downstream elevation) - the elevation (gage height) of the index pin used to obtain the flood crest at the downstream gage. This gage may also be referred to as "tailwater" gage.
C812	N9.2	<b>GageHtOfIw</b> (Gage height of zero flow) - the elevation (gage height) of zero flow for natural channel or artificial control.
C002	A22	<b>GrdWtrSite</b> (Type of ground-water site) - description of ground water site. Possible sites are: <ul style="list-style-type: none"><li>- Collector well</li><li>- Excavation</li></ul>



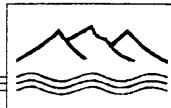
## A.1. DOCUMENTATION OF SITEFILE.DB (CONTINUED)

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
		<ul style="list-style-type: none"><li>- Test Hole</li><li>- Tunnel, shaft or mine</li><li>- Well</li></ul>
C023	A20	<b>PriSiteUse</b> (Primary use of site) - description of the principal or first use for the site. The possible uses are as follows: <ul style="list-style-type: none"><li>- Anode</li><li>- Standby emergency supply</li><li>- Drain</li><li>- Geothermal</li><li>- Seismic</li><li>- Heat reservoir</li><li>- Mine</li><li>- Observation</li><li>- Oil or gas well</li><li>- Recharge</li><li>- Repressurize</li><li>- Test</li><li>- Unused</li><li>- Withdrawal of water</li><li>- Waste disposal</li><li>- Destroyed</li></ul>
C713	A28	<b>AquiType</b> (Aquifer type code) - description of the type of aquifer. Possible aquifer types are:  Confined multiple aquifer Confined single aquifer Unconfined multiple aquifer Unconfined single aquifer
C714	A8	<b>PrimAqui</b> (Primary aquifer) - identifies the primary aquifer unit from which the water is obtained. The primary aquifers identified in the vicinity of the Hopi Reservation are as follows:  110AVMB    - Alluvial Fill 110QRNR    - Quaternary System 111ALVM    - Holocene Alluvium 112BLCF    - Basaltic Flows



## A.1. DOCUMENTATION OF SITEFILE.DB (CONTINUED)

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
112SDGVU		- Sand and Gravel, Upper
112TRRC		- Terrace (and surficial) Deposits
120CDSM		- Consolidated Sedimentary Rocks, Tertiary and Mesozoic Undifferentiated
120DATL		- Datil Formation
120SDMR		- Sedimentary Rocks
120VLCC		- Volcanic Rocks
121BDHC		- Bidahochi Formation
121BDHCM		- Bidahochi Formation, Middle
121BDHCL		- Bidahochi Formation, Lower
121BDHCU		- Bidahochi Formation, Upper
124SDMR		- Sedimentary Rocks
200SDMR		- Sedimentary Rocks
200VLCC		- Volcanic Rocks
211DKOT		- Dakota Sandstone
211GLLP		- Gallup Sandstone
211MNCS		- Mancos Shale
211SDMR		- Sedimentary Rocks
211TORV		- Toreva Formation
211WEPO		- Wepo Formation
220KYNT		- Kayenta Formation
220NVJO		- Navajo Sandstone
221CRML		- Carmel Formation
221CSPG		- Cow Springs Sandstone
221ENRD		- Entrada Sandstone
221MRSN		- Morrison Formation
221WSRC		- Westwater Canyon Sandstone Member of Morrison Formation
230MNKP		- Moenkopi Formation
231CHNL		- Chinle Formation
231CSPG		- Cow Springs Sandstone
231DSRC		- Dinosaur Canyon Sandstone Member of Moenave Formation
231KYNT		- Kayenta Formation
231LKCK		- Lukachukai Member of Windgate Sandstone
231MNRB		- Monitor Butte Member of Chinle Formation
231MONV		- Moenave Formation
231MRDD		- Mesa Redondo Member of Chinle Formation
231ORCK		- Owl Rock Member of Chinle Formation
231PFDF		- Petrified Forest Member of Chinle Formation



## A.1. DOCUMENTATION OF SITEFILE.DB (CONTINUED)

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
		231PFDL - Petrified Forest Member, Lower, of Chinle Formation
		231PFDFU - Petrified Forest Member, Upper, of Chinle Formation
		231RCKP - Rock Point Member of Wingate Sandstone
		231SNSL - Sonsela Sandstone Bed of Petrified Forest Member of Chinle Formation
		231SRMP - Shinarump Member of Chinle Formation
		231WNGT - Windgate Sandstone
		310CCNN - Coconino Sandstone
		310DCLL - De Chelly Sandstone
		310GLRT - Glorieta Sandstone
		310KIBB - Kaibab Limestone
		310NACO - Naco Formation
		310SUP1 - Supai Formation
		310TRWP - Toroweap Formation
		341MRTN - Martin Limestone
		374MUAV - Muav Limestone
		400GRNT - Precambrian Granite
		DAKOTA - Dakota Sandstone
		NAVAJO - Navajo Sandstone
		BASEMENT - Basement
C027	N8.2	<b>Holedepth</b> (Hole depth) - total depth in feet the well was drilled below land-surface datum, even though it may have been plugged back in completing the well.
C028	N8.2	<b>Welldepth</b> (Well depth) - depth of the finished well in feet below land-surface datum.
C029	A55	<b>Dpthsource</b> (Source of depth data) - code indicating the source of the depth of the well. Possible sources are: <ul style="list-style-type: none"><li>- Reported by another government agency</li><li>- From driller log or report</li><li>- Private geologist-consultant or university associate</li><li>- Depth interpreted from geophysical logs by personnel of source agency</li><li>- Memory (owner, operator, driller)</li><li>- Owner of well</li><li>- Other individual</li></ul>



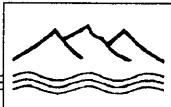
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#### A.1. DOCUMENTATION OF SITEFILE.DB (CONTINUED)

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
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- Measured by personnel of reporting agency
- Other source, explained in remarks

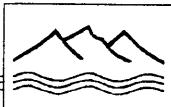


## A.2. DOCUMENTATION OF CONSTRUCT.DB

**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe**

Construct.db contains information pertaining to the construction of the wells. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.
C012	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.
C060	A8	<b>ConstrDate</b> (Date of completed construction) - the date on which the work was completed.
C063	A12	<b>ConstrName</b> (Name of contractor/driller) - Name of individual or company that did the work (drilled well).
C064	A55	<b>ConsSource</b> (Source of construction data) - code that indicates the source of the construction data; that is who furnished the data. Possible codes are: <ul style="list-style-type: none"><li>- Reported by another government agency</li><li>- From driller log or report</li><li>- Private geologist-consultant or university associate</li><li>- Depth interpreted from geophysical logs by personnel of source agency</li><li>- Memory (owner, operator, driller)</li><li>- Owner of well</li><li>- Other individual</li><li>- Measured by personnel of reporting agency</li><li>- Other source, explained in remarks</li></ul>
C065	A26	<b>ConsMethod</b> (Method of Construction) - indicates the method by which the site was constructed. Possible methods are: <ul style="list-style-type: none"><li>- Air-rotary</li><li>- Bored or augered</li></ul>

**A.2. DOCUMENTATION OF CONSTRUCT.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
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- Cable-tool
- Dug
- Hydraulic rotary
- Jetted
- Air percussion
- Reverse rotary
- Trenching
- Driven
- Drive and wash
- Other (explain in remarks)

**Air-rotary** method is one in which a stream of air is used to cool the bit and bring the rock cuttings to the surface.

A **bored or augered** hole is one in which the earth materials are cut and removed from the hole with an auger. The auger may be powered by hand or machinery.

**Cable-tool** refers to a well drilled by the familiar "percussion" or "churn-drill" method, whereby a heavy drilling tool is raised and lowered with enough force to pulverize the rock. The rock debris is commonly removed from the hole with a bailer. The California mud-scow method is a special variation of the cable-tool method.

**Dug** holes are excavated by hand tools or power-driven digging equipment. Caissons, Ranney-type collectors, and galleries belong in this classification, even though they may have laterals that are driven or jetted. Tunnels would also be in this category.

The **hydraulic-rotary** well is constructed by rotating a length of pipe (drill stem) equipped with a bit that cuts or grinds the rocks. Water or drilling mud is pumped down the drilling stem. Cuttings are carried to the surface in the annular space between the drilling stem and the wall of the hole. Note that separate categories are provided for air-rotary and reverse-rotary.

**Jetted** wells are excavated by using high-velocity streams of water pumped through a pipe having a restricted opening or "jetting" nozzle. For some types of earth materials a cutting bit is attached to the end of the jetting pipe. The material cut or washed from the



## A.2. DOCUMENTATION OF CONSTRUCT.DB (CONTINUED)

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
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hole is carried to the surface in the annular space outside the pipe as by the hydraulic-rotary method. This method is most suitable for construction of small-diameter wells in unconsolidated material.

An **air-percussion** drill is a cutting tool powered by compressed air. It uses a rapid percussion effect, coupled with rotary action, to drill hard rocks. Compressed air also is used to blow the cuttings from the hole. Air-percussion drills are generally used in conjunction with air-rotary drilling rigs.

**Reverse rotary** is similar to the hydraulic rotary except that the water or drilling mud flows down the annular space between the drilling stem and the wall of the hole and the cuttings are pumped out through the drill stem.

**Trenching** refers to the construction of a sump or open pit from which ground water may be pumped. Trenching may be done by hand, but more commonly power equipment such as a bulldozer, dragline power shovel, or a backhoe is used. Ponds and drains belong in this category of construction.

**Driven** wells are constructed by driving a length of pipe, usually of small diameter and generally equipped with a sand point, to the desired depth. The wells may be driven by hand or with air hammer or other power equipment. An essential feature of a driven well is that no earth material is removed as the well is constructed.

**Drive and wash** wells are constructed by driving a small diameter open-end casing a few feet into the earth, then washing out the material from inside the casing with a jet of water. The process is repeated until the well has penetrated a sufficient depth into the aquifer.

C066	A26	<p><b>Finishtype</b> (Type of finish) - indicates the method of finish or the nature of the openings that allow water to enter the well. Possible finish types are:</p> <ul style="list-style-type: none"><li>- Porous concrete</li><li>- Gravel pack with perforations</li><li>- Gravel pack with screen</li></ul>
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**A.2. DOCUMENTATION OF CONSTRUCT.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
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- Horizontal gallery
- Open end
- Perforated or slotted
- Screen
- Sand point
- Walled
- Open hole
- Other (explain in remarks)

**Porous** concrete is concrete casing that is pervious enough to allow ground water to seep into the well.

A **gravel-pack** well is a drilled or dug well that has a gravel envelope opposite the part through which water enters. Commonly, these wells will be finished either with commercial screen or with slotted casing.

A **horizontal gallery** or collector essentially is a horizontal type well in which the screen, slotted pipe, or gravel-filled trench is horizontal. All horizontal wells should be in this class, including Ranney collectors and infiltration galleries.

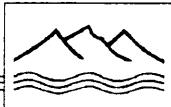
An **open-end** well is one that is cased to the bottom of the hole so that water can enter the well only through the bottom of the hole.

**Perforated or slotted** casing is well pipe that has had holes punched or slots cut in it to admit water. Do not use this designation if the well has a gravel pack.

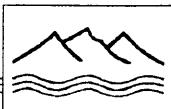
**Screen** refers to commercial well screen manufactured for the purpose of admitting water to a well. Common types of screen are wire mesh, wrapped trapezoidal wire, and shutter screen. Do not use this designation if the well also has a gravel pack.

A **sand point** is the screen part of a drive point and usually is part of a driven well.

A **walled** or shored well is usually a dug well in which the walls have been shored up with open-jointed fieldstone, brick, tile, concrete blocks, wood cribbing, or other material. A few wells of

**A.2. DOCUMENTATION OF CONSTRUCT.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
		<p>this type may have gravel walls; however, they should be placed in this category. A dug well that is mostly open hole but has even a few feet of cribbing, corrugated pipe, or other shoring to prevent caving, should be in this category.</p>
		<p>An <b>open-hole</b> well is one that has a finished open hole in the aquifer. A well belongs in this class even if the casing does not actually extend to the geologic unit or zone from which the water is obtained.</p>
C067	A26	<p><b>SealType</b> (Type of Seal) - indicates the type of material used to seal the well against the entry of surface water. Possible seals are:</p> <ul style="list-style-type: none"><li>- Bentonite</li><li>- Clay or cuttings</li><li>- Cement Grout</li><li>- None</li><li>- Other (explained in remarks)</li></ul>
C068	N7.2	<p><b>SealBDepth</b> (Depth to bottom of seal) - The depth to the bottom of the seal, in feet below land surface, to the nearest foot.</p>
C069	A26	<p><b>DvlpMethod</b> (Method of Development) - Indicates the method used to develop the well. Possible methods are:</p> <ul style="list-style-type: none"><li>Pumped with air lift</li><li>Bailed</li><li>Blown or surged with compressed air</li><li>Washed or jetted</li><li>None</li><li>Pumped</li><li>Surged with surge block</li><li>Other (explained in remarks)</li></ul>
C070	N6.2	<p><b>DvlpmntHrs</b> (Hours of Development) - the number of hours that the well was bailed, pumped, and so forth, for development.</p>
	A26	<p><b>STreatment</b> (Special Treatment During Development) - Indicates special treatment that was applied during development of the well.</p>

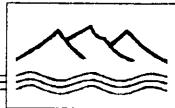


### A.3. DOCUMENTATION OF CASING.DB

**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe**

Casing.db contains data pertaining to the casing material. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION												
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.												
C012	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.												
C077	N7.2	<b>CasTopDpth</b> (Depth to top of casing) - depth in feet below land surface to the top of the casing interval reported for this record. If the casing extends above ground surface, then a negative sign will precede the height.												
C078	N7.2	<b>CasBotDpth</b> (Depth to bottom of casing) - depth in feet below land surface to the bottom of the casing interval reported for this record.												
C079	N6.2	<b>CasDiamtr</b> (Diameter of casing) - diameter in inches of the casing interval reported for this record.												
C80	A30	<b>CasMateria</b> (Casing Material) - type of casing material used in completing the well.												
C81	N6.3	<b>CasThcknss</b> (Casing Thickness) - thickness of casing material in inches.												
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are:  <table><tbody><tr><td>USGS</td><td>- USGS Ground-Water Sites Inventory</td></tr><tr><td>SSPA</td><td>- S.S. Papadopoulos &amp; Associates, Inc.</td></tr><tr><td>HOPI</td><td>- Hopi Tribe Resources Program</td></tr><tr><td>HGCHEM</td><td>- HydroGeoChem, Inc.</td></tr><tr><td>AZ014</td><td>- State of Arizona</td></tr><tr><td>NAV</td><td>- Navajo Nation</td></tr></tbody></table>	USGS	- USGS Ground-Water Sites Inventory	SSPA	- S.S. Papadopoulos & Associates, Inc.	HOPI	- Hopi Tribe Resources Program	HGCHEM	- HydroGeoChem, Inc.	AZ014	- State of Arizona	NAV	- Navajo Nation
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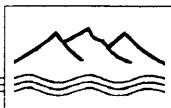


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### A.3. DOCUMENTATION OF CASING.DB (CONTINUED)

NCDC	- National Climatic Data Center
OSM	- Office of Surface Mining
PCC	- Peabody Coal Company



#### A.4. DOCUMENTATION OF OPENINGS.DB

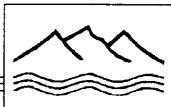
Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe

Openings.db contains data pertaining to the open or screen interval in a well. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.
C012	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.
C083	N8.2	<b>OpnTopDpth</b> (Depth to top of opening interval) - depth to the top of the open section in feet below land surface.
C084	N8.2	<b>OpenBotDpth</b> (Depth to bottom of opening interval) - depth to the bottom of the open section in feet below land surface.
C087	N6.2	<b>OpnDiamtr</b> (Diameter of this open interval) - the inside diameter, in inches, of the perforated or slotted pipe, diameter of a screen, or the diameter of the hole, if the well is finished open-hole.
C086	A33	<b>OpnMateria</b> (Material type) - the type of material used for open interval.
C085	A36	<b>OpnType</b> (Type of opening) - the type of opening, such as fractured rock, wire-wound screen.
C089	N7.2	<b>OpnLength</b> (Length of Opening) - the long dimension of perforations or slots, in inches. This refers to the individual openings in the screen or slotted pipe.
C088	N5.2	<b>OpnWidth</b> (Width of Opening) - the short dimension of perforations or slots, in inches.
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are:

**A.4. DOCUMENTATION OF OPENINGS.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
USGS		- USGS Ground-Water Sites Inventory
SSPA		- S.S. Papadopoulos & Associates, Inc.
HOPI		- Hopi Tribe Resources Program
HGCHEM		- HydroGeoChem, Inc.
AZ014		- State of Arizona
NAV		- Navajo Nation
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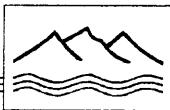


## A.5. DOCUMENTATION OF SPRING.DB

**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe, EarthInfo**

Spring.db contains information pertaining to the physical characteristics of a spring. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

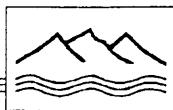
USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.
C012	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.
C172	A35	<b>SPRING NAME</b> (Name of spring) - local name of the spring.
C173	A35	<b>SprgType</b> (Type of spring) - code indicating the type of spring. Possible types of springs are: <ul style="list-style-type: none"><li>- Artesian</li><li>- Perched and contact</li><li>- Contact</li><li>- Depression</li><li>- Perched and depression</li><li>- Fracture</li><li>- Geyser</li><li>- Perched and tubular</li><li>- Artesian and depression</li><li>- Artesian and seepage or filtration</li><li>- Fracture and depression</li><li>- Perched</li><li>- Perched and fracture</li><li>- Perched and seepage or filtration</li><li>- Seepage or filtration</li><li>- Tubular - cave</li><li>- Other</li></ul>

**A.5. DOCUMENTATION OF SPRING.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C174	A25	<p><b>SprgPrmnc</b> (Permanence) - indicates the permanence of the spring. Possible modifiers are:</p> <ul style="list-style-type: none"><li>- Perennial</li><li>- Intermittent</li><li>- Response to precipitation</li><li>- Seasonal</li><li>- Geyser</li><li>- Periodic - ebb and flow</li><li>- Other</li></ul> <p><b>Perennial</b> refers to springs that discharge continuously.</p> <p><b>Intermittent</b> refers to springs that discharge only during certain periods but at other times are dry. Although all springs may be considered to be either perennial or intermittent, more descriptive detail can be included if it is available. The following characteristics describe special types of intermittent springs that may be coded:</p> <p><b>Response to precipitation</b> refers to springs which exist only after periods of rainfall.</p> <p><b>Seasonal</b> refers to springs that exist only during periods of high water levels.</p> <p><b>Geyser</b> refers to springs that discharge at more or less regular intervals. Discharge is caused by expansive force of highly heated steam.</p> <p><b>Periodic - ebb and flow</b> refers to springs that normally have periods of relatively greater discharge at regular and frequent intervals. Periodic springs may be perennial or intermittent. Periodic springs resemble geysers somewhat in their rhythmic action.</p>
C175	A10	<p><b>SphereDisc</b> (Sphere of Discharge) - indicates the sphere into which the springs discharges. Possible spheres are:</p> <ul style="list-style-type: none"><li>- Subaerial</li><li>- Subaqueous</li></ul>

**A.5. DOCUMENTATION OF SPRING.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C176	A30	<b>Imprvmnts</b> (Improvements) - code indicating the type of improvements. Possible types of improvements are: <ul style="list-style-type: none"><li>- Boxed or small covered basin</li><li>- Concrete basin</li><li>- Gallery</li><li>- Spring house</li><li>- Lined</li><li>- None</li><li>- Pond</li><li>- Pipe (not for conduction of water from spring)</li><li>- Trough</li><li>- Other (explain in remarks)</li></ul>
C177	N3.0	<b>Number of openings</b> (Number of spring openings) - number of spring openings. A 999 indicates that the openings are too numerous to count.
	N9.2	<b>FlowVrbility</b> (Flow Variability) - The discharge variability of the spring in percent, as expressed by the formula: $V = 100 \times [(a-b)/c]$ <p>V = variability, in percent a = maximum discharge b = minimum discharge c = average discharge</p>
A100		<b>BasisOfVar</b> (Basis of Variability estimate) - The basis on which the variability of the spring was determined. <ul style="list-style-type: none"><li>• Calculated from less than 1 year of continuous discharge record</li><li>• Calculated from 1 to 5 years of continuous discharge record</li><li>• Calculated from more than 5 years of continuous discharge record</li><li>• Calculated from intermittent measurements made over a period of more than 1 year</li><li>• Calculated from less than 1 year of record, or estimated</li><li>• Determined by other method (explain in remarks)</li></ul>

**A.5. DOCUMENTATION OF SPRING.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION																		
C004	A5	<p><b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are:</p> <table><tbody><tr><td>USGS</td><td>- USGS Ground-Water Sites Inventory</td></tr><tr><td>SSPA</td><td>- S.S. Papadopoulos &amp; Associates, Inc.</td></tr><tr><td>HOPI</td><td>- Hopi Tribe Resources Program</td></tr><tr><td>HGCHEM</td><td>- HydroGeoChem, Inc.</td></tr><tr><td>AZ014</td><td>- State of Arizona</td></tr><tr><td>NAV</td><td>- Navajo Nation</td></tr><tr><td>NCDC</td><td>- National Climatic Data Center</td></tr><tr><td>OSM</td><td>- Office of Surface Mining</td></tr><tr><td>PCC</td><td>- Peabody Coal Company</td></tr></tbody></table>	USGS	- USGS Ground-Water Sites Inventory	SSPA	- S.S. Papadopoulos & Associates, Inc.	HOPI	- Hopi Tribe Resources Program	HGCHEM	- HydroGeoChem, Inc.	AZ014	- State of Arizona	NAV	- Navajo Nation	NCDC	- National Climatic Data Center	OSM	- Office of Surface Mining	PCC	- Peabody Coal Company
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## A.6. DOCUMENTATION OF DISCHARG.DB

**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe, EarthInfo**

Discharge.db contains data pertaining to aquifer or pumping tests performed in a well. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION																		
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.																		
C012	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.																		
C148	A8	<b>Date</b> (Date discharge measured) - date on which the discharge data were determined. If the day and/or month were not known, 00 was entered.																		
	A4	<b>Time</b> (Time) - time at which the discharge data were measured.																		
C703	A6	<b>Type</b> (Type of discharge) - the type of discharge recorded in the record. Possible discharge types are: <ul style="list-style-type: none"><li>- Pumped discharge</li><li>- flow discharge</li></ul>																		
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are: <table><tbody><tr><td>USGS</td><td>- USGS Ground-Water Sites Inventory</td></tr><tr><td>SSPA</td><td>- S.S. Papadopoulos &amp; Associates, Inc.</td></tr><tr><td>HOPI</td><td>- Hopi Tribe Resources Program</td></tr><tr><td>HGCHEM</td><td>- HydroGeoChem, Inc.</td></tr><tr><td>AZ014</td><td>- State of Arizona</td></tr><tr><td>NAV</td><td>- Navajo Nation</td></tr><tr><td>NCDC</td><td>- National Climatic Data Center</td></tr><tr><td>OSM</td><td>- Office of Surface Mining</td></tr><tr><td>PCC</td><td>- Peabody Coal Company</td></tr></tbody></table>	USGS	- USGS Ground-Water Sites Inventory	SSPA	- S.S. Papadopoulos & Associates, Inc.	HOPI	- Hopi Tribe Resources Program	HGCHEM	- HydroGeoChem, Inc.	AZ014	- State of Arizona	NAV	- Navajo Nation	NCDC	- National Climatic Data Center	OSM	- Office of Surface Mining	PCC	- Peabody Coal Company
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## A.6. DOCUMENTATION OF DISCHARGE.DB (CONTINUED)

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C150	N8.2	<b>Discharge</b> (Discharge) - discharge from the site in gallons per minute.
	A10	<b>Unit</b> - describes the units for the discharge measurement.
C152	A50	<b>MsrMethod</b> (Method of discharge measurement) - code indicating the method used to measure the discharge. Possible methods are: <ul style="list-style-type: none"><li>- Acoustic meter (transient-time meter)</li><li>- Bailer</li><li>- Current meter</li><li>- Doppler meter</li><li>- Estimated</li><li>- Flume</li><li>- Totaling meter</li><li>- Orifice</li><li>- Pitot-tube meter</li><li>- Reported, method not known</li><li>- Trajectory method</li><li>- Venturi meter</li><li>- Volumetric measurement</li><li>- Weir</li><li>- Other</li></ul>
C157	N8.2	<b>PmpPeriod</b> (Pumping period) - length of time, in hours, that the well was pumped prior to the measurement of production levels.
C272	N6.2	<b>SpcfCpcty</b> (Specific Capacity) - Specific capacity of the well, most units are in gal/min/ft of drawdown.
	A10	<b>SpcfctyUnit</b> - units of SpfcCpcty field.
	N7.2	<b>Drawdown</b> (Drawdown) - drawdown in feet observed in a pumping well.
	A10	<b>DrwDwnUnit</b> - units of the drawdown measurement, usually in feet.



## A.7. DOCUMENTATION OF WTRQUAL.DB

**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe, EarthInfo**

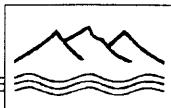
WTRQUAL.DB contains specific water quality data measured in the field or laboratory. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.
	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.
	A8	<b>Date</b> (Dates) - year, month, and day ground-water sample was collected.
	A4	<b>Time</b> - time sample was collected.
C196	A6	<b>Code</b> (Parameter Code) - the water quality parameter code for a determined water-quality characteristic. Use valid USGS parameter codes.
	A10	<b>ValueStr</b> - None-numeric value for the water-quality characteristic (i.e., <1.0000). ValueStr values are:  BLANK - Not remarked O,E - Estimated value 1,< - Actual value is known to be less than value shown 2,> - Actual value is known to be greater than value shown 3,M - Presence of material verified but not quantified 4,N - Presumptive evidence of presence of material U,ND - Material specifically analyzed for but not detected B,K - Non-ideal colony count L - Biological organism count less than 0.5% D - Biological organism count equal to or greater than 15%



## A.7. DOCUMENTATION OF WTRQUAL.DB (CONTINUED)

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
		& - Biological organism count estimated as dominant X - Delete the parameter
	N8.2	<b>ValueNum</b> - measured numeric value for the water-quality characteristic.
	A15	<b>ValueUnit</b> - units of the measured value.
	A10	<b>RptLmtStr</b> - reported measurement limits.
	A15	<b>RptLmtUnit</b> - units of the measurement limit.
00028	A30	<b>LabName</b> (Analyzing agency) - agency performing the water-chemistry analyses.
	A10	<b>AnalMethod</b> - analytical procedure for measuring concentration of parameter.
00027	A25	<b>SampledBy</b> (Collecting agency) - describes person or agency that collected water quality data.
	A60	<b>QltyAssrnce</b> (Quality assurance code) - information about the quality of an observation: <ul style="list-style-type: none"><li>1. Non-USGS Lab value - approved for transfer to EPA STORET</li><li>2. Non-USGS Field value - approved for transfer to EPA STORET</li><li>3. USGS Lab value - approved for transfer to EPA STORET</li><li>4. USGS Field value - approved for transfer to EPA STORET</li><li>6. Non-USGS Lab value - proprietary (written permission)</li><li>7. Non-USGS Field value - proprietary (written permission)</li><li>8. USGS Lab value - proprietary (written permission)</li><li>9. USGS Field value - proprietary (written permission)</li><li>A. Not reported</li><li>B. Non-USGS Lab value - failed edit</li><li>C. Non-USGS Field value - failed edit</li><li>D. USGS Lab value - failed edit</li><li>E. USGS Field value - failed edit</li><li>F. Non-USGS Lab value - in review</li><li>G. Non-USGS Field value - in review</li></ul>



## A.7. DOCUMENTATION OF WTRQUAL.DB (CONTINUED)

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION																		
		H. USGS Lab value - in review I. USGS Field value - in review																		
C004	A30	<b>Comments</b> - comments pertaining to the sample collection.  <b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are:  <table><tbody><tr><td>USGS</td><td>- USGS Ground-Water Sites Inventory</td></tr><tr><td>SSPA</td><td>- S.S. Papadopoulos &amp; Associates, Inc.</td></tr><tr><td>HOPI</td><td>- Hopi Tribe Resources Program</td></tr><tr><td>HGCHEM</td><td>- HydroGeoChem, Inc.</td></tr><tr><td>AZ014</td><td>- State of Arizona</td></tr><tr><td>NAV</td><td>- Navajo Nation</td></tr><tr><td>NCDC</td><td>- National Climatic Data Center</td></tr><tr><td>OSM</td><td>- Office of Surface Mining</td></tr><tr><td>PCC</td><td>- Peabody Coal Company</td></tr></tbody></table>	USGS	- USGS Ground-Water Sites Inventory	SSPA	- S.S. Papadopoulos & Associates, Inc.	HOPI	- Hopi Tribe Resources Program	HGCHEM	- HydroGeoChem, Inc.	AZ014	- State of Arizona	NAV	- Navajo Nation	NCDC	- National Climatic Data Center	OSM	- Office of Surface Mining	PCC	- Peabody Coal Company
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## A.8. DOCUMENTATION OF GEOPHYSI.DB

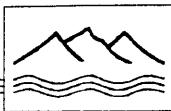
**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe**

Geophysi.db contains information pertaining to geophysical borehole logs performed in a well. Georecd.db and Aquarecd.db are subsets of the database. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.
	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.
C199	A26	<b>Logtype</b> (Type of log) - description of the type of log for the log interval described in this record. Possible log types are: <ul style="list-style-type: none"><li>- Drilling time</li><li>- Casing collar</li><li>- Caliper</li><li>- Drillers</li><li>- Electric</li><li>- Fluid conductivity</li><li>- Geologist or sample</li><li>- Magnetic</li><li>- Induction</li><li>- Gamma ray</li><li>- Dipmeter</li><li>- Lateral log</li><li>- Microlog</li><li>- Neutron</li><li>- Microlateral log</li><li>- Photographic</li><li>- Radioactive-tracer</li><li>- Sonic</li><li>- Temperature</li><li>- Gamma-gamma</li><li>- Fluid velocity</li></ul>

**A.8. DOCUMENTATION OF GEOPHYSI.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION																		
		<ul style="list-style-type: none"><li>- Core</li><li>- Other (explained in remarks)</li></ul>																		
C200	N9.2	<b>BegDepth</b> (MGDLTP) - depth to top of logged interval.																		
C201	N9.2	<b>EndDepth</b> (MGDLBT) - depth to the bottom of the logged interval, in feet below land surface.																		
C202	A55	<b>SrcOfData</b> (MGDLSC) - indicate who provided the log information. Possible sources are: <ul style="list-style-type: none"><li>- Reported by another government agency</li><li>- From driller log or report</li><li>- Private geologist-consultant or university associate</li><li>- Depth interpreted from geophysical logs by personnel of source agency</li><li>- Memory (owner, operator, driller)</li><li>- Owner of well</li><li>- Other individual</li><li>- Measured by personnel of reporting agency</li><li>- Other source, explained in remarks</li></ul>																		
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are: <table><tbody><tr><td>USGS</td><td>- USGS Ground-Water Sites Inventory</td></tr><tr><td>SSPA</td><td>- S.S. Papadopoulos &amp; Associates, Inc.</td></tr><tr><td>HOPI</td><td>- Hopi Tribe Resources Program</td></tr><tr><td>HGCHEM</td><td>- HydroGeoChem, Inc.</td></tr><tr><td>AZ014</td><td>- State of Arizona</td></tr><tr><td>NAV</td><td>- Navajo Nation</td></tr><tr><td>NCDC</td><td>- National Climatic Data Center</td></tr><tr><td>OSM</td><td>- Office of Surface Mining</td></tr><tr><td>PCC</td><td>- Peabody Coal Company</td></tr></tbody></table>	USGS	- USGS Ground-Water Sites Inventory	SSPA	- S.S. Papadopoulos & Associates, Inc.	HOPI	- Hopi Tribe Resources Program	HGCHEM	- HydroGeoChem, Inc.	AZ014	- State of Arizona	NAV	- Navajo Nation	NCDC	- National Climatic Data Center	OSM	- Office of Surface Mining	PCC	- Peabody Coal Company
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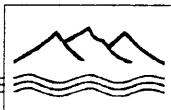


## A.9. DOCUMENTATION OF GEORECRD.DB

**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe**

The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.
	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.
C091	N8.2	<b>UniTopDpth</b> (Depth to Top of Unit) - the depth to the top of this lithologic unit, in feet below land surface.
C092	N8.2	<b>UniBotDpth</b> (Depth to Bottom of Unit) - the depth to the bottom of this lithologic unit, in feet below land surface.
C093	A8	<b>UnitID</b> (Unit Identifier) - code identifying the lithologic unit. Unit identifier codes are as follows:  110AVMB - Alluvial Fill 110QRNR - Quaternary System 111ALVM - Holocene Alluvium 112BLCF - Basaltic Flows 112SDGVU - Sand and Gravel, Upper 112TRRC - Terrace (and surficial) Deposits 120CDSM - Consolidated Sedimentary Rocks, Tertiary and Mesozoic Undifferentiated 120DATL - Datil Formation 120SDMR - Sedimentary Rocks 120VLCC - Volcanic Rocks 121BDHC - Bidahochi Formation 121BDHCM - Bidahochi Formation, Middle 121BDHCL - Bidahochi Formation, Lower 121BDHCU - Bidahochi Formation, Upper 124SDMR - Sedimentary Rocks

**A.9. DOCUMENTATION OF GEORECRD.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
200SDMR		- Sedimentary Rocks
200VLCC		- Volcanic Rocks
211DKOT		- Dakota Sandstone
211GLLP		- Gallup Sandstone
211MNCS		- Mancos Shale
211SDMR		- Sedimentary Rocks
211TORV		- Toreva Formation
211WEPO		- Wepo Formation
220KYNT		- Kayenta Formation
220NVJO		- Navajo Sandstone
221CRML		- Carmel Formation
221CSPG		- Cow Springs Sandstone
221ENRD		- Entrada Sandstone
221MRSN		- Morrison Formation
221WSRC		- Westwater Canyon Sandstone Member of Morrison Formation
230MNKP		- Moenkopi Formation
231CHNL		- Chinle Formation
231CSPG		- Cow Springs Sandstone
231DSRC		- Dinosaur Canyon Sandstone Member of Moenave Formation
231KYNT		- Kayenta Formation
231LKCK		- Lukachukai Member of Windgate Sandstone
231MNRB		- Monitor Butte Member of Chinle Formation
231MONV		- Moenave Formation
231MRDD		- Mesa Redondo Member of Chinle Formation
231ORCK		- Owl Rock Member of Chinle Formation
231PFDF		- Petrified Forest Member of Chinle Formation
231PFDFL		- Petrified Forest Member, Lower, of Chinle Formation
231PFDFU		- Petrified Forest Member, Upper, of Chinle Formation
231RCKP		- Rock Point Member of Wingate Sandstone
231SNSL		- Sonsela Sandstone Bed of Petrified Forest Member of Chinle Formation
231SRMP		- Shinarump Member of Chinle Formation
231WNGT		- Windgate Sandstone
310CCNN		- Coconino Sandstone
310DCLL		- De Chelly Sandstone
310GLRT		- Glorieta Sandstone

**A.9. DOCUMENTATION OF GEORECRD.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION																																						
		310KIBB - Kaibab Limestone 310NACO - Naco Formation 310SUPI - Supai Formation 310TRWP - Toroweap Formation 341MRTN - Martin Limestone 374MUAV - Muav Limestone 400GRNT - Precambrian Granite DAKOTA - Dakota Sandstone NAVAJO - Navajo Sandstone BASEMENT - Basement																																						
C096	A4	<b>LITHOLOGY</b> (Lithology) - code identifying the principal lithology of the unit at the screen interval. Codes used in this file are:																																						
		<table><thead><tr><th>Rock Term</th><th>Abbreviation</th></tr></thead><tbody><tr><td>Alluvium</td><td>ALVM</td></tr><tr><td>Anhydrite</td><td>ANDR</td></tr><tr><td>Anorthosite</td><td>ANRS</td></tr><tr><td>Arkose</td><td>ARKS</td></tr><tr><td>Basalt</td><td>BSLT</td></tr><tr><td>Bentonite</td><td>BNTN</td></tr><tr><td>Boulders</td><td>BLDR</td></tr><tr><td>Boulders and sand</td><td>BLSD</td></tr><tr><td>Boulders, silt, and clay</td><td>BLSC</td></tr><tr><td>Breccia</td><td>BRCC</td></tr><tr><td>Calcite</td><td>CLCT</td></tr><tr><td>Caliche (hard pan)</td><td>CLCH</td></tr><tr><td>Chalk</td><td>CHLK</td></tr><tr><td>Chert</td><td>CHRT</td></tr><tr><td>Clay</td><td>CLAY</td></tr><tr><td>Clay, some sand</td><td>CLSD</td></tr><tr><td>Claystone</td><td>CLSN</td></tr><tr><td>Coal</td><td>COAL</td></tr></tbody></table>	Rock Term	Abbreviation	Alluvium	ALVM	Anhydrite	ANDR	Anorthosite	ANRS	Arkose	ARKS	Basalt	BSLT	Bentonite	BNTN	Boulders	BLDR	Boulders and sand	BLSD	Boulders, silt, and clay	BLSC	Breccia	BRCC	Calcite	CLCT	Caliche (hard pan)	CLCH	Chalk	CHLK	Chert	CHRT	Clay	CLAY	Clay, some sand	CLSD	Claystone	CLSN	Coal	COAL
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**A.9. DOCUMENTATION OF GEORECRD.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
		Rock Term
		Cobbles
		Cobbles and sand
		Cobbles, silt, and clay
		Colluvium
		Conglomerate
		Coquina
		Diabase
		Diorite
		Dolomite
		Drift
		Evaporite
		Gabbro
		Glacial (undifferentiated)
		Gneiss
		Granite
		Granite, gneiss
		Gravel
		Gravel and clay
		Gravel, cemented
		Gravel, sand, and silt
		Gravel, silt and clay
		Graywacke
		Greenstone
		Gypsum
		Hard pan
		Igneous (undifferentiated)
		Lignite
		Limestone
		Abbreviation
		COBB
		COSD
		COSC
		CLVM
		CGLM
		CQUN
		DIBS
		DORT
		DLMT
		DRFT
		EVPR
		GBBR
		GLCL
		GNSS
		GRNT
		GRGN
		GRVL
		GRCL
		GRCM
		GRDS
		GRSC
		GRCK
		GNST
		GPSM
		HRDP
		IGNS
		LGNT
		LMSN

**A.9. DOCUMENTATION OF GEORECRD.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
		Rock Term
		Limestone and Dolomite
		Loam
		Loess
		Marble
		Marl
		Marlstone
		Metamorphis (undifferentiated)
		Muck
		Mud
		Mudstone
		Other
		Outwash
		Overburden
		Peat
		Quartzite
		Residium
		Rhyolite
		Rock
		Rubble
		Sand
		Sand and clay
		Sand and gravel
		Sand and silt
		Sand, gravel, and clay
		Sand, some clay
		Sandstone
		Sandstone and shale
		Saprolite
		Abbreviation
		LMDM
		LOAM
		LOSS
		MRBL
		MARL
		MRLS
		MMPC
		MUCK
		MUD
		MDSN
		OTHR
		OTSH
		OBDN
		PEAT
		QRTZ
		RSDM
		RYLT
		ROCK
		RBBL
		SAND
		SDCL
		SDGL
		SDST
		SGVC
		SNCL
		SNDS
		SDSL
		SPRL

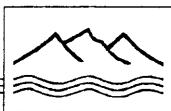


## A.9. DOCUMENTATION OF GEORECRD.DB (CONTINUED)

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION																														
		<table><thead><tr><th>Rock Term</th><th>Abbreviation</th></tr></thead><tbody><tr><td>Schist</td><td>SCST</td></tr><tr><td>Sedimentary (undifferentiated)</td><td>SDMN</td></tr><tr><td>Serpentine</td><td>SRPN</td></tr><tr><td>Shale</td><td>SHLE</td></tr><tr><td>Silt</td><td>SILT</td></tr><tr><td>Silt and clay</td><td>STCL</td></tr><tr><td>Siltstone</td><td>SLSN</td></tr><tr><td>Slate</td><td>SLTE</td></tr><tr><td>Soil</td><td>SOIL</td></tr><tr><td>Syenite</td><td>SYNT</td></tr><tr><td>Till</td><td>TILL</td></tr><tr><td>Travertine</td><td>TRVR</td></tr><tr><td>Tuff</td><td>TUFF</td></tr><tr><td>Volcanic (undifferentiated)</td><td>VLCC</td></tr></tbody></table>	Rock Term	Abbreviation	Schist	SCST	Sedimentary (undifferentiated)	SDMN	Serpentine	SRPN	Shale	SHLE	Silt	SILT	Silt and clay	STCL	Siltstone	SLSN	Slate	SLTE	Soil	SOIL	Syenite	SYNT	Till	TILL	Travertine	TRVR	Tuff	TUFF	Volcanic (undifferentiated)	VLCC
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Tuff	TUFF																															
Volcanic (undifferentiated)	VLCC																															
C304	A30	<b>ContribUnit</b> (Contributing unit) - indicates if unit is considered the principal aquifer. Possible descriptions are: <ul style="list-style-type: none"><li>- Principal contributing aquifer</li><li>- Secondary contributing aquifer</li><li>- Contributes no water</li><li>- Unknown contribution</li></ul>																														
	A123	<b>LithoModfr</b> (Lithologic Modifier) - adjective modifier needed to describe the rock type, such as texture, color, grain size, etc.																														
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are: <table><tbody><tr><td>USGS</td><td>- USGS Ground-Water Sites Inventory</td></tr><tr><td>SSPA</td><td>- S.S. Papadopoulos &amp; Associates, Inc.</td></tr><tr><td>HOPI</td><td>- Hopi Tribe Resources Program</td></tr><tr><td>HGCHEM</td><td>- HydroGeoChem, Inc.</td></tr><tr><td>AZ014</td><td>- State of Arizona</td></tr></tbody></table>	USGS	- USGS Ground-Water Sites Inventory	SSPA	- S.S. Papadopoulos & Associates, Inc.	HOPI	- Hopi Tribe Resources Program	HGCHEM	- HydroGeoChem, Inc.	AZ014	- State of Arizona																				
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## A.9. DOCUMENTATION OF GEORECRD.DB (CONTINUED)



## A.10. DOCUMENTATION OF WTRLVL.DB

**Source:** USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe, EarthInfo

WTRLVL.DB contains depth to water data recorded in wells. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.
	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.
	A4	<b>EISite_ID</b> (EarthInfo Station ID) - Cooperative Network Index between 1 and 9999 for each state. The number is assigned in proportion to the relative alphabetical position of the station name within the state. Another station can have the same station ID, but it will be in a different state.
C235	A8	<b>Date</b> (Date) - year, month and date of water-level measurement. If month or day is not known, 00 is used.
	A5	<b>Time</b> (Time) - time measurement was collected.
C237	N8.2	<b>WaterLevel</b> (Water level) - depth to water in feet below land surface. A negative sign precedes the measurement if head is above land surface.
	A10	<b>Units</b> (Units) - water level measurement units.
C238	A100	<b>Status</b> (Status) - the status of the site at the time the water level was measured. The field is blank if the water-level measurement represents a static level. Possible site status are as follows: <ul style="list-style-type: none"><li>- Dry</li><li>- Flowing recently</li><li>- Flowing, but head could not be measured</li></ul>

**A.10. DOCUMENTATION OF WTRLVL.DB (CONTINUED)**

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
		<ul style="list-style-type: none"><li>- A nearby site that taps the same aquifer was flowing</li><li>- A nearby site that taps the same aquifer had been flowing recently</li><li>- Injector site</li><li>- Injector site monitor</li><li>- Measurements were discontinued</li><li>- Obstruction encountered in the well</li><li>- Pumping</li><li>- Pumped recently</li><li>- A nearby site that taps the same aquifer was being pumped</li><li>- A nearby site that taps the same aquifer had been pumped recently</li><li>- Foreign substance was present on the surface of the water</li><li>- Destroyed</li><li>- Water level was affected by stage in nearby surface water site</li><li>- Other conditions affecting water level measurement are explained in remarks</li></ul>
C239	A40	<b>MsrMethod</b> (Method of measurement) - description of method used to measure the water level. Possible methods are as follows: <ul style="list-style-type: none"><li>- Airline measurement</li><li>- Analog or graphic recorder</li><li>- Calibrated airline measurement</li><li>- Estimated</li><li>- Pressure-gage measurement</li><li>- Calibrated pressure-gage measurement</li><li>- Interpreted from geophysical logs</li><li>- Manometer measurement</li><li>- Non-recording gage</li><li>- Reported, method not known</li><li>- Steel-tape measurement</li><li>- Electric-tape measurement</li><li>- Calibrated electric-tape measurement</li><li>- Other</li></ul>



## A.10. DOCUMENTATION OF WTRLVL.DB (CONTINUED)

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
	A60	<b>Comments</b> (Comments) - Comments pertaining to the collection of the water level measurement.
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are:  USGS - USGS Ground-Water Sites Inventory SSPA - S.S. Papadopoulos & Associates, Inc. HOPI - Hopi Tribe Resources Program HGCHEM - HydroGeoChem, Inc. AZ014 - State of Arizona NAV - Navajo Nation NCDC - National Climatic Data Center OSM - Office of Surface Mining PCC - Peabody Coal Company

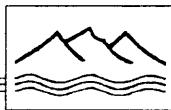


### A.11. DOCUMENTATION OF MSRNGPT.DB

**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe**

MSRNGPT.DB contains information pertaining to the point from which measurements are made such as depth to water below top of casing. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION																		
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.																		
	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.																		
	A8	<b>BegDate</b> - Date on which the measuring point was established.																		
	A8	<b>EndDate</b> - Date on which the measuring point was last used.																		
	N6.2	<b>MPHeight</b> - Height in feet above mean sea level for which measurement is referenced. For instance, the depth to water in a well is usually measured from the top of the casing. The measurement point height in this case would be the elevation in feet above mean sea level of the top of the casing.																		
	A100	<b>MPDescript</b> - Description of the measurement point.																		
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are:  <table><tbody><tr><td>USGS</td><td>- USGS Ground-Water Sites Inventory</td></tr><tr><td>SSPA</td><td>- S.S. Papadopoulos &amp; Associates, Inc.</td></tr><tr><td>HOPI</td><td>- Hopi Tribe Resources Program</td></tr><tr><td>HGCHEM</td><td>- HydroGeoChem, Inc.</td></tr><tr><td>AZ014</td><td>- State of Arizona</td></tr><tr><td>NAV</td><td>- Navajo Nation</td></tr><tr><td>NCDC</td><td>- National Climatic Data Center</td></tr><tr><td>OSM</td><td>- Office of Surface Mining</td></tr><tr><td>PCC</td><td>- Peabody Coal Company</td></tr></tbody></table>	USGS	- USGS Ground-Water Sites Inventory	SSPA	- S.S. Papadopoulos & Associates, Inc.	HOPI	- Hopi Tribe Resources Program	HGCHEM	- HydroGeoChem, Inc.	AZ014	- State of Arizona	NAV	- Navajo Nation	NCDC	- National Climatic Data Center	OSM	- Office of Surface Mining	PCC	- Peabody Coal Company
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## A.12. DOCUMENTATION OF STRMFLW.DB

**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe, EarthInfo**

STRMFLW.DB contains streamflow measurements from surface water gaging stations. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION																		
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.																		
	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.																		
	A8	<b>DATE</b> - the date the stream flow measurement was recorded.																		
	N8.2	<b>MeanDayDis</b> - the mean daily discharge of a surface water gaging station in cubic feet per second.																		
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are:  <table><tbody><tr><td>USGS</td><td>- USGS Ground-Water Sites Inventory</td></tr><tr><td>SSPA</td><td>- S.S. Papadopoulos &amp; Associates, Inc.</td></tr><tr><td>HOPI</td><td>- Hopi Tribe Resources Program</td></tr><tr><td>HGCHEM</td><td>- HydroGeoChem, Inc.</td></tr><tr><td>AZ014</td><td>- State of Arizona</td></tr><tr><td>NAV</td><td>- Navajo Nation</td></tr><tr><td>NCDC</td><td>- National Climatic Data Center</td></tr><tr><td>OSM</td><td>- Office of Surface Mining</td></tr><tr><td>PCC</td><td>- Peabody Coal Company</td></tr></tbody></table>	USGS	- USGS Ground-Water Sites Inventory	SSPA	- S.S. Papadopoulos & Associates, Inc.	HOPI	- Hopi Tribe Resources Program	HGCHEM	- HydroGeoChem, Inc.	AZ014	- State of Arizona	NAV	- Navajo Nation	NCDC	- National Climatic Data Center	OSM	- Office of Surface Mining	PCC	- Peabody Coal Company
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### A.13. DOCUMENTATION OF CLIMATE.DB

**Source:** USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe, EarthInfo

CLIMATE.DB contains climatological data for the vicinity of the Hopi Reservation. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.
	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.
	A4	<b>EISta_ID</b> (EarthInfo Station ID) - Cooperative Network Index between 1 and 9999 for each state. The number is assigned in proportion to the relative alphabetical position of the station name within the state. Another station can have the same station ID, but it will be in a different state.
	A8	<b>DATE</b> - the date for which the climatological information was observed.
	N12.2	<b>Precip</b> - daily precipitation in inches.
	N12.2	<b>Snowfall</b> - daily snowfall in inches.
	N12.2	<b>MaxTemp</b> - maximum daily temperature in degrees Fahrenheit.
	N12.2	<b>MinTemp</b> - minimum daily temperature in degrees Fahrenheit.
	N12.2	<b>MeanTemp</b> - mean daily temperature in degrees Fahrenheit.
	N12.2	<b>EvapRate</b> - evaporation rate in inches per day.
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are:



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- |        |  |
|--------|--|
| USGS   | - USGS Ground-Water Sites Inventory    |
| SSPA   | - S.S. Papadopoulos & Associates, Inc. |
| HOPI   | - Hopi Tribe Resources Program         |
| HGCHEM | - HydroGeoChem, Inc.                   |
| AZ014  | - State of Arizona                     |
| NAV    | - Navajo Nation                        |
| NCDC   | - National Climatic Data Center        |
| OSM    | - Office of Surface Mining             |
| PCC    | - Peabody Coal Company                 |

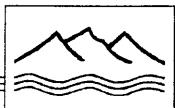


#### A.14. DOCUMENTATION OF HOLE.DB

**Source: USGS Ground-Water Sites Inventory (GWSI), Papadopoulos (1993), Hopi Tribe**

Hole.db is a subset of sitefile.db. The following fields are included in this database. The field name utilized by the USGS is included in parentheses and the USGS Code is listed in the left column. A more detailed explanation of these codes is presented in the USGS GWSI coding manual (Babcock et al., 1989).

USGS CODE	FIELD LENGTH	FIELD NAME AND DESCRIPTION																		
C001	A15	<b>Siteid</b> (Siteid) - a unique number provided by the USGS which is initially formed from the latitude and longitude of the well location. The last two digits are a sequence number used to distinguish between sites of the same location.																		
	A50	<b>SiteName</b> (Local Number or Station Name) - Local site identifier.																		
	N8.2	<b>IntTopDpth</b> (Depth To Top Of Interval) - The depth to the point where this section of hole begins, in feet below land surface.																		
	N8.2	<b>IntBotDpth</b> (Depth To Bottom Interval) - The depth to the bottom of the hole segment, in feet below land surface.																		
	N6.2	<b>IntDiamtr</b> (Diameter Of Interval) - The nominal diameter of the bit used to drill this section of the hole or the diameter to which the hole was reamed, in inches.																		
C004	A5	<b>SrcAgency</b> (Source agency code) - denotes the agency providing the data. Source codes in the database are:  <table><tbody><tr><td>USGS</td><td>- USGS Ground-Water Sites Inventory</td></tr><tr><td>SSPA</td><td>- S.S. Papadopoulos &amp; Associates, Inc.</td></tr><tr><td>HOPI</td><td>- Hopi Tribe Resources Program</td></tr><tr><td>HGCHEM</td><td>- HydroGeoChem, Inc.</td></tr><tr><td>AZ014</td><td>- State of Arizona</td></tr><tr><td>NAV</td><td>- Navajo Nation</td></tr><tr><td>NCDC</td><td>- National Climatic Data Center</td></tr><tr><td>OSM</td><td>- Office of Surface Mining</td></tr><tr><td>PCC</td><td>- Peabody Coal Company</td></tr></tbody></table>	USGS	- USGS Ground-Water Sites Inventory	SSPA	- S.S. Papadopoulos & Associates, Inc.	HOPI	- Hopi Tribe Resources Program	HGCHEM	- HydroGeoChem, Inc.	AZ014	- State of Arizona	NAV	- Navajo Nation	NCDC	- National Climatic Data Center	OSM	- Office of Surface Mining	PCC	- Peabody Coal Company
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## REFERENCES

- Babcock, C., R.R. Luckey, C.C. Morgan, and D.M. Stephens. 1989. Ground-Water Sites-Inventory Coding Instructions. U.S. Geological Survey. Vol. 2, Chapter 4.
- S.S. Papadopoulos & Associates, Inc. 1993. Navajo Aquifer Water Study Database Documentation. S.S. Papadopoulos & Associates, Inc., Bethesda, Maryland.

## **APPENDIX B**

### **INSTRUCTIONS FOR DATABASE QUERIES**



## APPENDIX B

### INSTRUCTIONS FOR DATABASE QUERIES

Virtually any type of database query can be done externally through dBASE IV. In order to perform a dBase IV query, select exit to DBase from the HBase exit menu. The following are some examples of typical queries that can be conducted. These instructions for querying are based on dBase IV version 2 for DOS. All of the following information can also be found in the Using dBASE IV manual.

#### **Querying the codes.DBF to determine the parameter value for constituent of interest**

In order to query the water quality database, it is necessary to know the parameter value (i.e., numerical code) for the constituent of interest. A list of parameter values is included in the printout of the codes database (Appendix C). The following instructions detail how to query the codes database.

1. Make sure the database filename from which you want to create a view is listed in the current catalog (CODES).
2. Highlight **<create>** in the **Queries** panel and press ENTER. The screen changes to the queries design screen with the **Layout** menu open.
3. Select the **Add file to query** option. A list of the files in the current catalog appears. Use this list to choose database files.
4. Highlight the database file that will be the source from which you create your view and press ENTER (i.e., select CODES.DBF to determine the parameter value for the constituent of interest).
5. Use **Tab** (to move forward) and **Shift-Tab** (to move backward) to position the cursor in the field of the database file skeleton.



6. Press **F5 (Field)** or select **Add field to view** option from the **Fields** menu. A ↓ next to the field name in the file skeleton indicates that field has been added to the view. To add or remove all fields from the skeleton, position the highlight under the filename in the file skeleton and press **F5 (Field)**.
7. Identify the search criteria for the query. **Tab** to the field to be searched (either the SHORTNAME or the LONGNAME field). Enter the desired operator and search criteria under the field name in the file skeleton. The possible operators are:

Operator	Description
>	greater than
<	less than
=	equal
<> or #	not equal
>= or =>	greater than or equal
<= or ==	less than or equal
\$	contains
Like	pattern match
Sounds like	soundex match

Note: The query is case sensitive and the ? and \* wild cards are allowed (? = single character and \* = multiple characters).

8. To see the results of the view query press **F2 (Data)**. Return to the queries design screen by pressing **Shift-F2** or by selecting **Transfer to Query Design** from the **Exit** menu.

### Querying by CONSTITUENT

1. Follow steps 1 through 3 as listed above.



2. Highlight the database file that will be the source from which you create your view (WTRQUAL.DBF) and press ENTER.
3. Follow steps 5 and 6 above.
4. Identify the search criteria for the query. **Tab** to the field to be searched (CODE). Enter the desired operator and search criteria under the field name in the file skeleton. The possible operators are:

Operator	Description
>	greater than
<	less than
=	equal
<> or #	not equal
>= or =>	greater than or equal
<= or =<	less than or equal
\$	contains
Like	pattern match
Sounds like	soundex match

To select more than one constituent, use the OR condition. (If two or more conditions are in different rows of a skeleton file, only one of the conditions must be met for a record to be included in the results. This is an OR condition.) For example, to query for all major ions, the parameter value for each ion of interest would be placed in quotes on a different row.

Note: The query is case sensitive and the ? and \* wild cards are allowed (? = single character and \* = multiple characters).



## Querying by SITENAME

The procedures for querying by SITENAME follow the procedures for querying by constituent, except that the database in use has to contain a SITENAME field.

## Querying sites within a given LATITUDE and LONGITUDE

Querying sites within a given latitude and longitude is basically the same as **Querying by constituent**, except step 7, Identify search criteria, will change: the search criteria have to be entered in the skeleton under the LATITUDE and LONGITUDE field names. To query sites between latitude A1, A2 and longitude O1, O2 (where 1s are low and 2s are high values) the search criteria should be entered in the skeleton as follows:

LATITUDE	LONGITUDE
>= "A1", <= "A2"	>= "O1", <= "O2"

Note: If two or more conditions are in *the same row* of a file skeleton, all the conditions must be met for a record to be included in the results. This is an AND condition.

If two or more conditions are in *different rows* of a file skeleton, only one of the conditions must be met for a record to be included in the results. This is an OR condition.

## Linking

The databases are related or linked through two common fields: SITEID and SITENAME. Every database file in HBase contains these two link fields. To link multiple databases in a query:

1. Highlight <create> on the **Queries** panel at the Control Center. Press ENTER.



2. Highlight **Add file to query** and press ENTER (for more than one file press **ALT-L**, for the layout menu, and then **A** (for add file to query) to bring up the list of database files). Highlight the database file you want to add to the screen and press ENTER.
3. Repeat step 2 until you have all the database files from which you want to obtain information on the queries design screen. You may place up to eight database files on the screen.
4. With the cursor on the file skeleton at the top of the screen, press **ALT-F** to open the **Fields** menu. If the **Include indexes** option is set to **NO**, highlight it and press ENTER to set it to **YES**. A triangle or # symbol in each indexed field indicates that the indexes on this file have been included.
5. Use **F4 (Next)** or **F3 (Previous)** to move the cursor to the next file skeleton, and repeat step 4. Do this until the indexes for all the file skeletons on the queries design screen are included.
6. Find the common field to link between two databases and type "LINK1" into the common fields. You can use any word in the common field, as long as the example variable (in this case LINK1) is the same in each linked database.

You can also use the **Create link by pointing** option on the **Layout** menu to link the common fields. Place the highlight on the common field and select the **Create link by pointing** option. Then move the cursor to the common field in the other file and press ENTER.

7. Decide which of the fields in the file skeletons you want to put into the view. Move to those fields in the file skeleton and press **F5 (Field)** to add that field to the view skeleton. Repeat this step to add all the fields that you want to appear in the view.
8. Press **F2 (Data)** to process and display the view.

## **APPENDIX C**

## **CODES DATABASE**

CODE	SHORTNAME	LONGNAME
00001	CROSS-SECTION (FEET)	CROSS-SECTION LOCATION FEET FROM RIGHT BANK LOOKING UPSTREAM
00002	CROSS-SECTION (%)	CROSS-SECTION LOCATION PERCENT FROM RIGHT BANK LOOKING UPSTREAM
00003	SAMPLING DEPTH (FT.)	SAMPLING DEPTH (FEET)
00004	STREAM WIDTH (FEET)	STREAM WIDTH (FEET)
00005	CROSS-SECTION (%)	CROSS-SECTION LOCATION VERTICAL (PERCENT) OF TOTAL DEPTH
00006	SUM	SUMMATION VALUES
00007	MODE	MODAL VALUES
00008	SAMPLE ACCT. NUMBER	SAMPLE ACCOUNTING NUMBER
00009	CROSS-SECTION (FT.)	CROSS-SECTION LOCATION FEET FROM LEFT BANK LOOKING DOWNSTREAM
00010	WATER TEMPERATURE	WATER TEMPERATURE, DEGREES CELSIUS
00011	WATER TEMP. DEG. F.	WATER TEMPERATURE, (DEGREES) FARENHEIT
00012	EVAP TEMP (48" PAN)	EVAPORATION TEMPERATURE 48" PAN (DEGREES) CENTIGRADE
00013	EVAP TEMP (24" PAN)	EVAPORATION TEMPERATURE 24" PAN (DEGREES) CENTIGRADE
00014	WET BULB TEMP. DEG.	WET BULB TEMPERATURE (DEGREES) CENTIGRADE
00020	AIR TEMPERATURE	TEMPERATURE, AIR, DEGREES CENTIGRADE
00021	TEMPERATURE DEG. F	TEMPERATURE, AIR, DEGREES FARENHEIT
00022	LENGTH OF EXPOSURE	LENGTH OF EXPOSURE (DAYS)
00023	SAMPLE WEIGHT (LBS)	SAMPLE WEIGHT (POUNDS)
00024	SAMPLE LENGTH (IN)	SAMPLE LENGTH (INCHES)
00025	AIR PRESSURE	BAROMETRIC PRESSURE (MM OF HG)
00027	COLLECTING AGENCY	AGENCY COLLECTING SAMPLE (CODE NUMBER)
00028	ANALYZING AGENCY	AGENCY ANALYZING SAMPLE (CODE NUMBER)
00029	PROJECT NUMBER	PROJECT NUMBER
00030	SOLAR RADIATION	SOLAR RADIATION, INCIDENTAL, INTENSITY (CAL/SQ CM/DAY)
00031	LIGHT INCIDENT (%)	LIGHT INCIDENT AT REMAINING DEPTH (PERCENTAGE)
00032	CLOUD COVER (%)	CLOUD COVER (PERCENT)
00034	LIGHT DEPTH 1%	LIGHT DEPTH TO 1% OF SURFACE LIGHT (FEET)
00035	WIND SPEED	WIND SPEED (MPH)
00036	WIND DIRECTION	WIND DIRECTION IN DEGREES FROM TRUE NORTH, CLOCKWISE
00041	WEATHER DESCRIPTION	WEATHER (WMO CODE NUMBER)
00042	ALTITUDE ABOVE MSL	ALTITUDE ABOVE MEAN SEA LEVEL (TEST)
00045	RAINFALL	RAINFALL ACCUMULATED (INCHES)
00046	PRECIPITATION TOTAL	PRECIPITATION TOTAL (INCHES/WEEK)
00049	SURFACE AREA (SQ MI)	SURFACE AREA (SQUARE MILES)
00050	EVAPORATION	EVAPORATION TOTAL (INCHES/DAY)
00051	SURFACE AREA (SQ FT)	SURFACE AREA (SQUARE FEET)
00052	RELATIVE HUMIDITY	RELATIVE HUMIDITY (PERCENT)
00053	SURFACE AREA (ACRES)	SURFACE AREA (ACRES)
00054	RESERVOIR STORAGE	RESERVOIR STORAGE (ACRE-FEET)
00055	STREAM VELOCITY	STREAM VELOCITY (FEET/SECOND)
00056	FLOW RATE (GAL/DAY)	FLOW RATE, YIELD OF WELL, (GALLONS/DAY)
00058	FLOW RATE (GAL/MIN)	FLOW RATE, YIELD OF WELL, (GALLONS/MINUTE)
00059	FLOW RATE INS. (G/M)	FLOW RATE INSTANTANEOUS (GALLONS/MINUTE)
00060	DISCHARGE	DISCHARGE, CUBIC FEET PER SECOND
00061	DISCHARGE, INST.	DISCHARGE, INSTANTANEOUS, CUBIC FEET PER SECOND
00062	RES. ELEVATION (FT)	RESERVOIR ELEVATION SURACE WATER (FEET)
00063	NUMBER OF SAMPLING P	NUMBER OF SAMPLING POINTS (COUNT)
00064	STREAM DEPTH (FT)	DEPTH OF STREAM, MEAN (FEET)
00065	GAGE HEIGHT	GAGE HEIGHT, FEET
00067	TIDE STAGE (CODE)	TIDE STAGE (CODE)
00070	TURBIDITY	TURBIDITY (JACKSON CANDLE UNITS)
00072	STREAM STAGE (MTRS)	STREAM STAGE (METERS)
00074	LIGHT TRANSMISSION	LIGHT TRANSMISSION 1 METER PATHLENGTH (PERCENT)
00075	TURBIDITY (MG/L)	TURBIDITY HELLIGE (MG/L AS SILICON DIOXIDE)
00076	TURBIDITY	TURBIDITY (NTU)
00077	TRANSPARENCY (IN)	TRANSPARENCY SECCHI DISK (INCHES)
00078	TRANSPARENCY (MTRS)	TRANSPARENCY SECCHI DISK (METERS)
00080	COLOR	COLOR (PLATINUM-COBALT)
00081	TOTAL COLOR	TOTAL COLOR (PLATINUM-COBALT)
00085	ODOR NO RM TEMP	ODOR (THRESHOLD NUMBER) AT ROOM TEMPERATURE
00086	ODOR NO 60 DEG C	ODOR (THRESHOLD NUMBER) AT 60 DEGREES CENTIGRADE

CODE	SHORTNAME	LONGNAME
00090	OXIDATION RED. POT.	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)
00094	FIELD CONDUCTIVITY	SPECIFIC CONDUCTANCE, FIELD, US/CM @ 25 DEGREES CENTIGRADE
00095	SPECIFIC CONDUCTANCE	SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE
00096	SALINITY (MG/ML)	SALINITY AT 25 DEGREES CELSIUS (MG/ML)
00098	SAMPLING DEPTH	SAMPLING DEPTH (METERS)
00100	TRAVEL TIME (HOURS)	TRAVEL TIME (HOURS)
00115	SAMPLE TREATMENT	SAMPLE TREATMENT (CODES)
00117	PRECIPITATION (MIN)	PRECIPITATION, DURATION OF STORM EVENT (MINUTES)
00118	PRECIPITATION 6 (IN)	PRECIPITATION, CUMULATIVE AT GIVEN TIME, LOC. 6 (INCHES)
00119	PRECIPITATION 5 (IN)	PRECIPITATION, CUMULATIVE AT GIVEN TIME, LOC. 5 (INCHES)
00120	PRECIPITATION 4 (IN)	PRECIPITATION, CUMULATIVE AT GIVEN TIME, LOC. 4 (INCHES)
00121	PRECIPITATION 3 (IN)	PRECIPITATION, CUMULATIVE AT GIVEN TIME, LOC. 3 (INCHES)
00122	PRECIPITATION 2 (IN)	PRECIPITATION, CUMULATIVE AT GIVEN TIME, LOC. 2 (INCHES)
00123	PRECIPITATION 1 (IN)	PRECIPITATION, AT GIVEN TIME, LOC. 1 (INCHES)
00124	PRECIPITATION INT. 6	PRECIPITATION, INTENSITY AT GIVEN TIME, LOC 6 (INCHES/HOUR)
00125	PRECIPITATION INT. 5	PRECIPITATION, INTENSITY AT GIVEN TIME, LOC 5 (INCHES/HOUR)
00126	PRECIPITATION INT. 4	PRECIPITATION, INTENSITY AT GIVEN TIME, LOC 4 (INCHES/HOUR)
00127	PRECIPITATION INT. 3	PRECIPITATION, INTENSITY AT GIVEN TIME, LOC 3 (INCHES/HOUR)
00128	PRECIPITATION INT. 2	PRECIPITATION, INTENSITY AT GIVEN TIME, LOC 2 (INCHES/HOUR)
00129	PRECIPITATION INT. 1	PRECIPITATION, INTENSITY AT GIVEN TIME, LOC 1 (INCHES/HOUR)
00132	DRY DAYS	DRY DAYS BEFORE PRECIPITATION EVENT (DAYS)
00134	STORM SERIAL NUMBER	STORM EVENT SERIAL (NUMBER)
00135	STORM TIME (HOURS)	ELAPSED TIME OF STORM (HOURS)
00164	FLOW (GALLONS/BATCH)	FLOW (GALLONS/BATCH)
00193	PRECIPITATION TOTAL	TOTAL PRECIPITATION FOR DEFINED PERIOD (INCHES)
00196	WIND RUN (MILES)	WIND RUN (MILES)
00197	EVAPORATION ACCUM.	EVAPORATION ACCUMULATED (INCHES)
00198	LIGHT DEPTH 10%	LIGHT DEPTH TO 10 PERCENT OF SURFACE LIGHT (FEET)
00199	LIGHT DEPTH 50%	LIGHT DEPTH TO 50 PERCENT OF SURFACE LIGHT (FEET)
00200	LIGHT INCIDENT INT.	LIGHT INCIDENT, 400-700NM, INTENSITY (UE/M2/SC)
00201	LIGHT INCIDENT TOTAL	LIGHT INCIDENT, 400-700NM, DAILY TOTAL (UE/M2)
00206	COLLECTOR AREA {WET}	COLLECTOR AREA WET DEPOSITION (SQUARE METERS)
00207	COLLECTOR AREA {DRY}	COLLECTOR AREA DRY DEPOSITION (SQUARE METERS)
00294	COD DISSOLVED	CHEMICAL OXYGEN DEMAND DISSOLVED FROM DRY DEPOSITION (MG/KG)
00296	COD INSOLUBLE	CHEMICAL OXYGEN DEMAND INSOLUBLE IN DRY DEPOSITION (MG/KG)
00297	COD TOTAL	CHEMICAL OXYGEN DEMAND TOTAL IN DRY DEPOSITION (MG/KG)
00300	OXYGEN DISSOLVED	OXYGEN DISSOLVED (MG/L)
00301	OXYGEN DIS. PERCENT	OXYGEN DISSOLVED (% OF SATURATION)
00302	IMM. OXYGEN DEMAND	IMMEDIATE OXYGEN DEMAND (MG/L)
00310	BOD 5-DAY AT 20 DEG	BIOCHEMICAL OXYGEN DEMAND, 5-DAY AT 20 DEGREES CENTIGRADE (MG/L)
00319	BOD ULTIMATE ALL ST.	BIOCHEMICAL OXYGEN DEMAND ULTIMATE, ALL STAGES, 20 DEGREES CENTIGRADE (MG/L)
00320	BOD ULTIMATE 1ST ST.	BIOCHEMICAL OXYGEN DEMAND ULTIMATE, 1ST STAGE, 20 DEGREES CENTIGRADE (MG/L)
00321	BOD ULTIMATE 2ND ST.	BIOCHEMICAL OXYGEN DEMAND ULTIMATE, 2ND STAGE, (MG/L)
00324	BOD 20 DAY. 20 DEG.	BIOCHEMICAL OXYGEN DEMAND, 20 DAY, 20 DEGREES CENTIGRADE (MG/L)
00325	DEOXYGENATION CONST.	DEOXYGENATION CONSTANT K1 TO BASE E, 20 DEGREES CENTIGRADE (PER DAY)
00330	REOXYGENATION CONST.	REOXYGENATION CONSTANT K2 TO BASE E (PER DAY)
00335	COD LOW LEVEL (MG/L)	CHEMICAL OXYGEN DEMAND, LOW LEVEL, (MG/L)
00339	COD BTM (MG/KG)	CHEMICAL OXYGEN DEMAND, TOTAL IN BOTTOM MATERIAL, DRY WEIGHT (MG/KG)
00340	COD HIGH LEVEL MG/L	CHEMICAL OXYGEN DEMAND, HIGH LEVEL, (MG/L)
00349	BOD 30 DAY 20 DEG C	BIOCHEMICAL OXYGEN DEMAND, 30 DAY, 20 DEGREES CENTIGRADE (MG/L)
00400	PH, WH, FIELD	PH, WATER, WHOLE, FIELD, STANDARD UNITS
00401	CATIONS MINUS ANIONS	CATIONS MINUS ANIONS (MEQ)
00402	SPECIFIC CONDUCTANCE	SPECIFIC CONDUCTANCE NON-TEMPERATURE CORRECTED (UMHOS/CM)
00403	PH, WH, LABORATORY	PH, WATER, WHOLE, LABORATORY, STANDARD UNITS
00405	CARBON DIOXIDE DISS.	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)
00409	ALKALINITY, GRAN TI	ALKALINITY, WATER, WHOLE, GRAN TITRATION, (UEQ/L)
00410	ALKALINITY,WH,FET,F	ALKALINITY, WATER, WHOLE, TOTAL, FIXED ENDPOINT TITRATION, FIELD, MG/L AS CACO3
00411	ALKALINITY (MG/L)	ALKALINITY, METHYLORANGE (MG/L)
00413	ALKALINITY,GRAN MG/	ALKALINITY, WATER, WHOLE, GRAN TITRATION, (MG/L AS CACO3)
00415	ALKALINITY, PHENOL.	ALKALINITY, PHENOLPHTHALEIN (MG/L)

CODE	SHORTNAME	LONGNAME
00416	ALKALINITY,WH,IT,L	ALKALINITY, WATER, WHOLE, TOTAL, INCREMENTAL TITRATION, LAB, MG/L AS CACO3
00417	ALKALINITY,WH,FET,L	ALKALINITY, WATER, WHOLE, TOTAL, FIXED ENDPOINT TITRATION, LAB, MG/L AS CACO3
00418	ALKALINITY,DIS,FET,F	ALKALINITY, WATER, DISSOLVED, TOTAL, FIXED ENDPOINT TITRATION, FIELD, MG/L AS CACO3
00419	ALKALINITY,WH,IT,F	ALKALINITY, WATER, WHOLE, TOTAL, INCREMENTAL TITRATION, FIELD, MG/L AS CACO3
00420	ALKALINITY,HYDROXIDE	ALKALINITY, HYDROXIDE (MG/L)
00421	ALKALINITY.DIS,FET,L	ALKALINITY, WATER, DISSOLVED, TOTAL, FIXED ENDPOINT TITRATION, LAB, MG/L AS CACO3
00425	ALKALINITY, BICARB.	ALKALINITY, BICARBONATE (MG/L AS CACO3)
00430	ALKALINITY, CARB.	ALKALINITY, CARBONATE (MG/L AS CACO3)
00431	ALKALINITY	ALKALINITY (MG/L AS CACO3)
00435	ACIDITY TOTAL	ACIDITY TOTAL (MG/L AS CACO3)
00436	ACIDITY MINERAL	ACIDITY MINERAL, METHYLORANGE, (MG/L AS CACO3)
00437	ACIDITY CO2 PHENOL.	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)
00440	BICARBONATE,WH,FET,F	BICARBONATE, WATER, WHOLE, FIXED ENDPOINT TITRATION, FIELD, MG/L AS HCO3
00445	CARBONATE,WH,FET,F	CARBONATE, WATER, WHOLE, FIXED ENDPOINT TITRATION, FIELD, MG/L AS CO3
00446	CARBONATE,WH,IT,L	CARBONATE, WATER, WHOLE, INCREMENTAL TITRATION, LAB, MG/L AS CO3
00447	CARBONATE,WH,IT,F	CARBONATE, WATER, WHOLE, INCREMENTAL TITRATION, FIELD, MG/L AS CO3
00448	CARBONATE,WH,FET,L	CARBONATE, WATER, WHOLE, FIXED ENDPOINT TITRATION, LAB, MG/L AS CO3
00449	BICARBONATE,WH,IT,L	BICARBONATE, WATER, WHOLE, INCREMENTAL TITRATION, LAB, MG/L AS HCO3
00450	BICARBONATE,WH,IT,F	BICARBONATE, WATER, WHOLE, INCREMENTAL TITRATION, FIELD, MG/L AS HCO3
00451	BICARBONATE,WH,FET,L	BICARBONATE, WATER, WHOLE, FIXED ENDPOINT TITRATION, LAB, MG/L AS HCO3
00452	CARBONATE,DIS,IT,F	CARBONATE, WATER, DISSOLVED, INCREMENTAL TITRATION, FIELD, MG/L AS CO3
00453	BICARBONATE,DIS,IT,F	BICARBONATE, WATER, DISSOLVED, INCREMENTAL TITRATION, FIELD, MG/L AS HCO3
00480	SALINITY (PPT)	SALINITY (PARTS PER THOUSAND)
00495	MOISTURE CONTENT	MOISTURE CONTENT, (PERCENT) OF TOTAL, DRY WEIGHT
00496	LOSS ON IGNITION	LOSS ON IGNITION, BOTTOM MATERIAL (MG/KG)
00500	RESIDUE SOLIDS	SOLIDS, RESIDUE ON TOTAL EVAPORATION AT 105 DEGREES CELCIUS (MG/L)
00505	RESIDUE TOTAL	RESIDUE, TOTAL LOSS ON IGNITION, VOLATILE (MG/L)
00510	RESIDUE TOTAL FIXED	RESIDUE, TOTAL FIXED (MG/L)
00515	RESIDUE DISSOLVED	RESIDUE, TOTAL FILTERABLE, DRIED AT 105 DEGREES CENTIGRADE (MG/L)
00520	RESIDUE VOLATILE	RESIDUE, VOLATILE FILTRABLE (MG/L)
00525	RESIDUE FIXED	RESIDUE, FIXED FILTERABLE (MG/L)
00530	RESIDUE TOTAL	RESIDUE, TOTAL NON FILTERABLE (MG/L)
00535	RESIDUE VOLATILE	RESIDUE, VOLATILE NONFILTRABLE (MG/L)
00540	RESIDUE FIXED	RESIDUE, FIXED NON FILTERABLE (MG/L)
00545	RESIDUE SETTLEABLE	RESIDUE, SETTLEABLE (MG/L)
00548	RESIDUE FIXED	RESIDUE, FIXED NON SETTLEABLE (MG/L)
00549	RESIDUE VOLATILE	RESIDUE, VOLATILE NON SETTLEABLE (MG/L)
00550	OIL AND GREASE TOTAL	OIL AND GREASE TOTAL (MG/L)
00551	HYDROCARBONS,CCL4,R	HYDROCARBONS, PETROLEUM, WATER, CCL4 EXTRACTION, CHROMATOGRAPHY, IR, RECOVERABLE, (MG/L)
00553	OIL AND GREASE BOT.M	OIL AND GREASE TOTAL IN BOTTOM MATERIAL (MG/KG)
00556	OIL AND GREASE REC.	OIL AND GREASE TOTAL RECOVERABLE, GRAVIMETRIC FREON EXTRACTABLE (MG/L)
00557	OIL AND GREASE BOT.	OIL AND GREASE TOTAL IN BOTTOM MATERIAL, GRAVIMETRIC FREON EXTRACTABLE, DRY WEIGHT (MG/KG)
00560	OIL AND GREASE ELEC.	OIL AND GREASE TOTAL RECOVERABLE, ELECTROMETRIC INFRARED-FREON EXTRACTABLE (MG/L)
00561	OIL AND GREASE TOT.	OIL AND GREASE TOTAL IN BOTTOM MATERIAL, ELECTROMETRIC INFRARED FREON EXTRACTABLE, DRY WEIGHT (MG/KG)
00572	BIOMASS, PERIPHYTON	BIOMASS, PERIPHYTON ASH WEIGHT (G/SQ M)
00573	BIOMASS PERIPHYTON T	BIOMASS, PERIPHYTON DRY WEIGHT TOTAL (G/SQ M)
00597	NITROGEN GAS DISS.	NITROGEN GAS DISSOLVED (MG/L AS N2)
00598	NITROGEN SAT AS N	NITROGEN, SATURATION, WATER, UNFILTERED, AS N, PERCENT
00600	NITROGEN TOTAL	NITROGEN TOTAL (MG/L AS N)
00601	NITROGEN T SS T AS N	NITROGEN, TOTAL, SEDIMENT, SUSPENDED, TOTAL, AS N, MG/L
00602	NITROGEN DISSOLVED	NITROGEN DISSOLVED (MG/L AS N)
00603	NITROGEN TOTAL B. M.	NITROGEN TOTAL IN BOTTOM MATERIAL (MG/KG AS N)
00604	AMMONIA SS T AS N	NITROGEN, AMMONIA, SEDIMENT, SUSPENDED, TOTAL, AS N, MG/L
00605	NITROGEN ORGANIC T.	NITROGEN ORGANIC TOTAL (MG/L AS N)
00606	NITROGEN ORG SS T N	NITROGEN, ORGANIC, SEDIMENT, SUSPENDED, TOTAL, AS N, MG/L

CODE	SHORTNAME	LONGNAME
00607	NITROGEN ORGANIC D.	NITROGEN ORGANIC DISSOLVED (MG/L AS N)
00608	NITROGEN AMMONIA D.	NITROGEN AMMONIA DISSOLVED (MG/L AS N)
00610	NITROGEN AMMONIA T.	NITROGEN AMMONIA TOTAL (MG/L AS N)
00611	NITROGEN AMMONIA B.	NITROGEN AMMONIA TOTAL IN BOTTOM MATERIAL, DRY WEIGHT (MG/KG AS N)
00613	NITROGEN,NITRITE D.	NITROGEN, NITRITE, DISSOLVED, MG/L AS N
00615	NITROGEN,NITRITE T.	NITROGEN, NITRITE, TOTAL, MG/L AS N
00616	NITROGEN,NITRITE B.M	NITROGEN, NITRITE, TOTAL IN BOTTOM MATERIAL, MG/KG AS N
00618	NITROGEN NITRATE D.	NITROGEN NITRATE DISSOLVED (MG/L AS N)
00619	AMMONIA UNIONIZED	AMMONIA UNIONIZED (MG/L AS N)
00620	NITROGEN NITRATE T.	NITROGEN NITRATE TOTAL (MG/L AS N)
00621	NITROGEN NITRATE B.	NITROGEN NITRATE TOTAL IN BOTTOM MATERIAL (MG/KG AS N)
00623	NITRO AMN & ORG DIS	NITROGEN AMMONIA PLUS ORGANIC DISSOLVED (MG/L AS N)
00624	NITROGEN SUSPENDED	NITROGEN AMMONIA PLUS ORGANIC SUSPENDED TOTAL (MG/L AS N)
00625	NITROGEN AMM+ORG TOT	NITROGEN AMMONIA PLUS ORGANIC TOTAL (MG/L AS N)
00626	NITROGEN AMMONIA B.	NITROGEN AMMONIA PLUS ORGANIC TOTAL IN BOTTOM MATERIAL, DRY WEIGHT (MG/KG AS N)
00628	NO2 + NO3 SS T AS N	NITROGEN, NO2 + NO3, SEDIMENT, SUSPENDED, TOTAL, AS N, MG/L
00630	NO2 + NO3 TOTAL	NITROGEN NITRITE PLUS NITRATE TOTAL (MG/L AS N)
00631	NO2 + NO3 DISSOLVED	NITROGEN NITRITE PLUS NITRATE DISSOLVED (MG/L AS N)
00633	NO2 + NO3 BOT. MAT.	NITROGEN NITRITE PLUS NITRATE TOTAL IN BOTTOM MATERIAL, DRY WEIGHT (MG/KG AS N)
00635	NH4 + ORGANIC TOTAL	NITROGEN AMMONIA PLUS ORGANIC TOTAL, ONE DETERMINATION (MG/L AS N)
00636	NH4 + ORGANIC DISS.	NITROGEN AMMONIA PLUS ORGANIC DISSOLVED, ONE DETERMINATION (MG/L AS N)
00639	NITROGEN ALBUMINOID	NITROGEN ALBUMINOID (MG/L AS N)
00650	PHOSPHATE TOTAL	PHOSPHATE TOTAL (MG/L AS PO4)
00653	PHOSPHATE DISSOLVED	PHOSPHATE DISSOLVED (MG/L AS PO4)
00660	PHOSPHATE ORTHO. DIS	PHOSPHATE ORTHO DISSOLVED (MG/L AS PO4)
00665	PHOSPHORUS TOTAL	PHOSPHORUS TOTAL (MG/L AS P)
00666	PHOSPHORUS DISS.	PHOSPHORUS DISSOLVED (MG/L AS P)
00667	PHOS SUS SED T AS P	PHOSPHORUS, TOTAL, SEDIMENT, SUSPENDED, TOTAL AS P, MG/L
00668	PHOSPHORUS BOT. MAT	PHOSPHORUS TOTAL IN BOTTOM MATERIAL, DRY WEIGHT (MG/KG AS P))
00669	PHOSPHORUS HYDRO. T	PHOSPHORUS HYDROLYZABLE TOTAL (MG/L AS P)
00670	PHOSPHORUS ORG.TOT	PHOSPHORUS ORGANIC TOTAL (MG/L AS P)
00671	PHOSPHORUS ORTHO D.	PHOSPHORUS ORTHOPHOSPHATE DISSOLVED (MG/L AS P)
00672	PHOSPHORUS HYDRO. D	PHOSPHORUS HYDROLYZABLE DISSOLVED (MG/L AS P)
00673	PHOSPHORUS ORG. DIS	PHOSPHORUS ORGANIC DISSOLVED (MG/L AS P)
00674	PHOS ORTHO SS T AS P	PHOSPHORUS, ORTHO PHOSPHATE, SEDIMENT, SUSPENDED, TOTAL, AS P, MG/L
00675	PHOS HYD SS T AS P	PHOSPHORUS, HYDROLIZABLE, SEDIMENT, SUSPENDED, TOTAL, AS P, MG/L
00676	PHOS ORG SS T AS P	PHOSPHORUS, ORGANIC, SEDIMENT, SUSPENDED, TOTAL, AS P, MG/L
00677	PHOSPHORUS HYDRO. D	PHOSPHORUS HYDROLYZABLE PLUS ORTHO DISSOLVED (MG/L AS P)
00678	PHOSPHORUS HYDRO. T	PHOSPHORUS HYDROLYZABLE PLUS ORTHO TOTAL (MG/L AS P)
00680	CARBON ORGANIC TOT.	CARBON ORGANIC TOTAL (MG/L AS C)
00681	CARBON ORGANIC DIS.	CARBON ORGANIC DISSOLVED (MG/L AS C)
00682	CARBON INORG. + ORG.	CARBON, INORGANIC PLUS ORGANIC, DISSOLVED (MG/L AS C)
00683	CARBON ORG. SUSP.	CARBON ORGANIC SUSPENDED (MG/L AS C)
00685	CARBON INORGANIC TOT	CARBON INORGANIC TOTAL (MG/L AS C)
00686	CARBON INORG. BOT. M	CARBON INORGANIC BOTTOM MATERIAL (GM/KG AS C)
00687	CARBON ORG. BOT. MAT	CARBON ORGANIC TOTAL IN BOTTOM MATERIAL, DRY WEIGHT (GM/KG)
00688	CARBON INORG. SUS. T	CARBON INORGANIC SUSPENDED TOTAL (MG/L AS C)
00689	CARBON ORGANIC S.	CARBON ORGANIC SUSPENDED TOTAL (MG/L AS C)
00690	CARBON INORG + ORG	CARBON, TOTAL (INORG + ORG), WHOLE WATER (MG/L AS C)
00691	CARBON INORGANIC DIS	CARBON INORGANIC DISSOLVED (MG/L AS C)
00692	CARBON ORGANIC IMM.	CARBON ORGANIC IMMISCIBLE (MG/L AS C)
00693	CARBON TOTAL BOT.MAT	CARBON INORGANIC PLUS ORGANIC TOTAL IN BOTTOM MATERIAL, DRY WEIGHT (GM/KG AS C)
00694	CARBON INORG.+ORG. S	CARBON INORGANIC PLUS ORGANIC SUSPENDED TOTAL (MG/L AS C)
00720	CYANIDE TOTAL	CYANIDE TOTAL (MG/L AS CN)
00721	CYANIDE TOTAL BOT.M.	CYANIDE TOTAL IN BOTTOM MATERIAL, DRY WEIGHT (UG/G AS CN)
00723	CYANIDE DISSOLVED	CYANIDE DISSOLVED (MG/L AS CN)
00730	THIOCYANATE TOTAL	THIOCYANATE TOTAL (MG/L AS SCN)
00731	THIOCYANATE DISS.	THIOCYANATE DISSOLVED (MG/L AS SCN)

CODE	SHORTNAME	LONGNAME
00737	THIOSULFATE DISS.	THIOSULFATE DISSOLVED (MG/L)
00738	TETRATHIONATE DISS.	TETRATHIONATE DISSOLVED (MG/L)
00739	TETRATHIONATE TOTAL	TETRATHIONATE TOTAL (MG/L)
00740	SULFITE	SULFITE (MG/L AS SO3)
00745	SULFIDE TOTAL	SULFIDE TOTAL (MG/L AS S)
00746	SULFIDE DISSOLVED	SULFIDE DISSOLVED (MG/L AS S)
00900	HARDNESS TOTAL	HARDNESS TOTAL (MG/L AS CA03)
00901	CARBONATE HARDNESS	CARBONATE HARDNESS (MG/L AS CACO3)
00902	NONCARBONATE HARD. F	NONCARBONATE HARDNESS WATER WHOLE TOTAL, FIELD, (MG/L AS CA CO3)
00903	NONCARBONATE HARD. L	NONCARBONATE HARDNESS WATER WHOLE TOTAL, LAB, (MG/L AS CA CO3)
00904	HARDNESS NC. DISS. F	HARDNESS, NON-CARBONATE WATER DISSOLVED, FIELD, (MG/L AS CA CO3)
00905	HARDNESS NC. DISS. L	HARDNESS, NON-CARBONATE WATER DISSOLVED, LABORATORY, (MG/L AS CACO3)
00910	CALCIUM TOTAL	CALCIUM TOTAL (MG/L AS CACO3)
00915	CALCIUM DISSOLVED	CALCIUM DISSOLVED (MG/L AS CA)
00916	CALCIUM TOTAL REC.	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
00917	CALCIUM BOT. MAT.	CALCIUM RECOVERABLE FROM BOTTOM MATERIAL, DRY WEIGHT (MG/KG AS CA)
00918	CALCIUM TOT. REC.	CALCIUM TOTAL RECOVERABLE (MG/L)
00920	MAGNESIUM	MAGNESIUM (MG/L AS CACO3)
00921	MAGNESIUM TOTAL REC.	MAGNESIUM TOTAL RECOVERABLE (MG/L)
00923	SODIUM TOTAL REC.	SODIUM TOTAL RECOVERABLE (MG/L)
00924	MAGNESIUM BOT. MAT.	MAGNESIUM, RECOVERABLE FROM BOTTOM MATERIAL, DRY WEIGHT (MG /KG AS MG)
00925	MAGNESIUM DISSOLVED	MAGNESIUM DISSOLVED (MG/L AS MG)
00926	MAGNESIUM SUSPENDED	MAGNESIUM SUSPENDED TOTAL (MG/L AS MG)
00927	MAGNESIUM TOTAL	MAGNESIUM TOTAL (MG/L AS MG)
00929	SODIUM TOTAL REC.	SODIUM TOTAL RECOVERABLE (MG/L AS NA)
00930	SODIUM DISSOLVED	SODIUM DISSOLVED (MG/L AS NA)
00931	SODIUM ADSORPTION R.	SODIUM ADSORPTION RATIO
00932	SODIUM, PERCENT	SODIUM, PERCENT
00933	SODIUM+POTASSIUM DIS	SODIUM PLUS POTASSIUM DISSOLVED (MG/L AS NA)
00934	SODIUM BOT. MAT.	SODIUM RECOVERABLE FROM BOTTOM MATERIAL, DRY WEIGHT (MG/KG AS NA)
00935	POTASSIUM DISSOLVED	POTASSIUM DISSOLVED (MG/L AS K)
00937	POTASSIUM TOTAL	POTASSIUM TOTAL (MG/L AS K)
00938	POTASSIUM BOT. MAT.	POTASSIUM RECOVERABLE FROM BOTTOM MATERIAL, DRY WEIGHT (MG/ KG AS K)
00939	POTASSIUM TOTAL REC.	POTASSIUM TOTAL RECOVERABLE (MG/L)
00940	CHLORIDE DISSOLVED	CHLORIDE DISSOLVED (MG/L AS CL)
00945	SULFATE DISSOLVED	SULFATE DISSOLVED (MG/L AS SO4)
00946	SULFATE	SULFATE (MG/L AS SO4)
00950	FLUORIDE DISSOLVED	FLUORIDE DISSOLVED (MG/L AS F)
00951	FLUORIDE TOTAL	FLUORIDE TOTAL (MG/L AS F)
00953	FLUORINE TOTAL	FLUORINE TOTAL (UG/L)
00955	SILICA DISSOLVED	SILICA DISSOLVED (MG/L AS SIO2)
00956	SILICA TOTAL	SILICA TOTAL (MG/L AS SIO2)
00997	ARSENIC INORG. TOT.	ARSENIC INORGANIC TOTAL (UG/L AS AS) *NOT FOR WRD USE*
00998	BERYLLIUM TOT. REC.	BERYLLIUM TOTAL RECOVERABLE (UG/L)
00999	BORON TOTAL REC.	BORON TOTAL RECOVERABLE (UG/L)
01000	ARSENIC DISSOLVED	ARSENIC DISSOLVED (UG/L AS AS)
01001	ARSENIC SUSPENDED	ARSENIC SUSPENDED TOTAL (UG/L AS AS)
01002	ARSENIC TOTAL	ARSENIC TOTAL (UG/L AS AS)
01003	ARSENIC BOT. MAT.	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)
01005	BARIUM DISSOLVED	BARIUM DISSOLVED (UG/L AS BA)
01006	BARIUM SUSPENDED	BARIUM SUSPENDED RECOVERABLE (UG/L AS BA)
01007	BARIUM TOTAL	BARIUM TOTAL (UG/L AS BA)
01008	BARIUM BOT. MAT.	BARIUM TOTAL IN BOTTOM MATERIAL (UG/G AS BA)
01009	BARIUM TOTAL REC.	BARIUM TOTAL RECOVERABLE (UG/L)
01010	BERYLLIUM DISSOLVED	BERYLLIUM DISSOLVED (UG/L AS BE)
01011	BERYLLIUM SUSPENDED	BERYLLIUM SUSPENDED RECOVERABLE (UG/L AS BE)
01012	BERYLLIUM TOTAL	BERYLLIUM TOTAL (UG/L AS BE)
01013	BERYLLIUM BOT. MAT.	BERYLLIUM TOTAL IN BOTTOM MATERIAL (UG/G AS BE)
01015	BISMUTH DISSOLVED	BISMUTH DISSOLVED (UG/L AS BI)
01016	BISMUTH SUSPENDED	BISMUTH SUSPENDED (UG/L AS BI)
01017	BISMUTH TOTAL	BISMUTH TOTAL (UG/L AS BI)

CODE	SHORTNAME	LONGNAME
01020	BORON DISSOLVED	BORON DISSOLVED (UG/L AS B)
01021	BORON SUSPENDED	BORON SUSPENDED (UG/L AS B)
01022	BORON TOTAL	BORON TOTAL (UG/L AS B)
01023	BORON BOT. MAT.	BORON TOTAL IN BOTTOM MATERIAL (UG/G AS B)
01025	CADMUM DISSOLVED	CADMUM DISSOLVED (UG/L AS CD)
01026	CADMUM SUSPENDED	CADMUM SUSPENDED (UG/L AS CD)
01027	CADMUM TOTAL	CADMUM TOTAL (UG/L AS CD)
01028	CADMUM BOT. MAT.	CADMUM TOTAL IN BOTTOM MATERIAL (UG/G AS CD)
01029	CHROMIUM TOTAL B. M.	CHROMIUM TOTAL IN BOTTOM MATERIAL (UG/G AS CR)
01030	CHROMIUM DISSOLVED	CHROMIUM DISSOLVED (UG/L AS CR)
01031	CHROMIUM SUSPENDED	CHROMIUM SUSPENDED (UG/L AS CR)
01032	CHROMIUM HEXAVALENT	CHROMIUM HEXAVALENT DISSOLVED (UG/L AS CR)
01033	CHROMIUM TRIVALENT	CHROMIUM TRIVALENT (UG/L AS CR)
01034	CHROMIUM TOTAL	CHROMIUM TOTAL (UG/L AS CR)
01035	COBALT DISSOLVED	COBALT DISSOLVED (UG/L AS CO)
01036	COBALT SUSPENDED	COBALT SUSPENDED (UG/L AS CO)
01037	COBALT TOTAL	COBALT TOTAL (UG/L AS CO)
01038	COBALT BOT. MAT.	COBALT TOTAL IN BOTTOM MATERIAL (UG/G AS CO)
01040	COPPER DISSOLVED	COPPER DISSOLVED (UG/L AS CU)
01041	COPPER SUSPENDED	COPPER SUSPENDED (UG/L AS CU)
01042	COPPER TOTAL	COPPER TOTAL (UG/L AS CU)
01043	COPPER BOT. MAT.	COPPER TOTAL IN BOTTOM MATERIAL (UG/G AS CU)
01044	IRON SUSPENDED	IRON SUSPENDED (UG/L AS FE)
01045	IRON TOTAL	IRON, TOTAL, (UG/L AS FE)
01046	IRON DISSOLVED	IRON DISSOLVED (UG/L AS FE)
01047	IRON FERROUS	IRON FERROUS (UG/L AS FE)
01048	IRON, FERRIC+FERROUS	IRON, FERRIC PLUS FERROUS DISSOLVED (UG/L)
01049	LEAD DISSOLVED	LEAD DISSOLVED (UG/L AS PB)
01050	LEAD SUSPENDED	LEAD SUSPENDED (UG/L AS PB)
01051	LEAD TOTAL	LEAD TOTAL (UG/L AS PB)
01052	LEAD TOTAL BOT. MAT.	LEAD TOTAL IN BOTTOM MATERIAL (UG/G AS PB)
01053	MANGANESE BOT.MAT.	MANGANESE TOTAL IN BOTTOM MATERIAL (UG/G AS MN)
01054	MANGANESE SUSPENDED	MANGANESE SUSPENDED (UG/L AS MN)
01055	MANGANESE TOTAL	MANGANESE TOTAL (UG/L AS MN)
01056	MANGANESE DISSOLVED	MANGANESE DISSOLVED (UG/L AS MN)
01057	THALLIUM DISSOLVED	THALLIUM DISSOLVED (UG/L AS TL)
01058	THALLIUM SUSPENDED	THALLIUM SUSPENDED (UG/L AS TL)
01059	THALLIUM TOTAL	THALLIUM TOTAL (UG/L AS TL)
01060	MOLYBDENUM DISSOLVED	MOLYBDENUM DISSOLVED (UG/L AS MO)
01061	MOLYBDENUM SUSPENDED	MOLYBDENUM SUSPENDED (UG/L AS MO)
01062	MOLYBDENUM TOTAL	MOLYBDENUM TOTAL (UG/L AS MO)
01063	MOLYBDENUM BOT.MAT.	MOLYBDENUM TOTAL IN BOTTOM MATERIAL (UG/G AS MO)
01064	TELLURIUM TOTAL	TELLURIUM TOTAL (UG/L)
01065	NICKEL DISSOLVED	NICKEL DISSOLVED (UG/L AS NI)
01066	NICKEL SUSPENDED	NICKEL SUSPENDED (UG/L AS NI)
01067	NICKEL TOTAL	NICKEL TOTAL (UG/L AS NI)
01068	NICKEL BOT. MAT.	NICKEL TOTAL IN BOTTOM MATERIAL (UG/G AS NI)
01074	NICKEL TOTAL REC.	NICKEL TOTAL RECOVERABLE IN WATER (UG/L)
01075	SILVER DISSOLVED	SILVER DISSOLVED (UG/L AS AG)
01076	SILVER SUSPENDED	SILVER SUSPENDED (UG/L AS AG)
01077	SILVER TOTAL	SILVER TOTAL (UG/L AS AG)
01078	SILVER BOT. MAT.	SILVER TOTAL IN BOTTOM MATERIAL (UG/G AS AG)
01079	SILVER TOTAL REC.	SILVER TOTAL RECOVERABLE (UG/L)
01080	STRONTIUM DISSOLVED	STRONTIUM DISSOLVED (UG/L AS SR)
01081	STRONTIUM SUSPENDED	STRONTIUM SUSPENDED (UG/L AS SR)
01082	STRONTIUM TOTAL	STRONTIUM TOTAL (UG/L AS SR)
01083	STRONTIUM BOT. MAT.	STRONTIUM TOTAL IN BOTTOM MATERIAL (UG/G AS SR)
01084	STRONTIUM TOTAL REC.	STRONTIUM TOTAL RECOVERABLE IN WATER (UG/L)
01085	VANADIUM DISSOLVED	VANADIUM DISSOLVED (UG/L AS V)
01086	VANADIUM SUSPENDED	VANADIUM SUSPENDED (UG/L AS V)
01087	VANADIUM TOTAL	VANADIUM TOTAL (UG/L AS V)

CODE	SHORTNAME	LONGNAME
01088	VANADIUM BOT. MAT.	VANADIUM TOTAL IN BOTTOM MATERIAL (UG/G AS V)
01090	ZINC DISSOLVED	ZINC DISSOLVED (UG/L AS ZN)
01091	ZINC SUSPENDED	ZINC SUSPENDED (UG/L AS ZN)
01092	ZINC TOTAL	ZINC TOTAL (UG/L AS ZN)
01093	ZINC BOTTOM MATERIAL	ZINC TOTAL IN BOTTOM MATERIAL (UG/G AS ZN)
01094	ZINC TOTAL REC.	ZINC TOTAL RECOVERABLE IN WATER (UG/L)
01095	ANTIMONY DISSOLVED	ANTIMONY DISSOLVED (UG/L AS SB)
01096	ANTIMONY SUSPENDED	ANTIMONY SUSPENDED (UG/L AS SB)
01097	ANTIMONY TOTAL	ANTIMONY TOTAL (UG/L AS SB)
01098	ANTIMONY BOT. MAT.	ANTIMONY TOTAL IN BOTTOM MATERIAL (UG/G AS SB)
01100	TIN DISSOLVED	TIN DISSOLVED (UG/L AS SN)
01101	TIN SUSPENDED	TIN SUSPENDED (UG/L AS SN)
01102	TIN TOTAL	TIN TOTAL (UG/L AS SN)
01103	TIN RECOVERABLE	TIN RECOVERABLE FROM BOTTOM MATERIAL (UG/KG AS SN)
01104	ALUMINUM TOTAL REC.	ALUMINUM TOTAL RECOVERABLE (UG/L)
01105	ALUMINUM TOTAL	ALUMINUM, TOTAL (UG/L AS AL)
01106	ALUMINUM DISSOLVED	ALUMINUM DISSOLVED (UG/L AS AL)
01107	ALUMINUM SUSPENDED	ALUMINUM SUSPENDED (UG/L AS AL)
01108	ALUMINUM BOT. MAT.	ALUMINUM TOTAL IN BOTTOM MATERIAL (UG/G AS AL)
01112	CERIUM TOTAL	CERIUM TOTAL (UG/L AS CE)
01113	CADMNIUM TOTAL REC.	CADMNIUM TOTAL RECOVERABLE IN WATER (UG/L)
01114	LEAD TOTAL REC.	LEAD TOTAL RECOVERABLE (UG/L)
01115	CESIUM DISSOLVED	CESIUM DISSOLVED (UG/L AS CS)
01116	CESIUM SUSPENDED	CESIUM SUSPENDED (UG/L AS CS)
01117	CESIUM TOTAL	CESIUM TOTAL (UG/L AS CS)
01118	CHROMIUM TOTAL REC.	CHROMIUM TOTAL RECOVERABLE IN WATER (UG/L)
01119	COPPER TOTAL REC.	COPPER TOTAL RECOVERABLE IN WATER (UG/L)
01120	GALLIUM DISSOLVED	GALLIUM DISSOLVED (UG/L AS GA)
01121	GALLIUM SUSPENDED	GALLIUM SUSPENDED (UG/L AS GA)
01122	GALLIUM TOTAL	GALLIUM TOTAL (UG/L AS GA)
01123	MANGANESE TOTAL REC.	MANGANESE TOTAL RECOVERABLE IN WATER (UG/L)
01125	GERMANIUM DISSOLVED	GERMANIUM DISSOLVED (UG/L AS GE)
01126	GERMANIUM SUSPENDED	GERMANIUM SUSPENDED (UG/L AS GE)
01127	GERMANIUM TOTAL	GERMANIUM TOTAL (UG/L AS GE)
01128	THALLIUM TOTAL REC.	THALLIUM TOTAL RECOVERABLE (UG/L AS TL)
01129	MOLYBDENUM TOTAL REC	MOLYBDENUM TOTAL RECOVERABLE IN WATER (UG/L)
01130	LITHIUM DISSOLVED	LITHIUM DISSOLVED (UG/L AS LI)
01131	LITHIUM SUSPENDED	LITHIUM SUSPENDED (UG/L AS LI)
01132	LITHIUM TOTAL	LITHIUM TOTAL (UG/L AS LI)
01133	LITHIUM BOT. MAT.	LITHIUM IN BOTTOM MATERIAL, DRY WEIGHT, (MG/KG AS LI)
01134	LITHIUM TOTAL REC.	LITHIUM TOTAL RECOVERABLE IN WATER (UG/L AS LI)
01135	RUBIDIUM DISSOLVED	RUBIDIUM DISSOLVED (UG/L AS RB)
01136	RUBIDIUM SUSPENDED	RUBIDIUM SUSPENDED (UG/L AS RB)
01137	RUBIDIUM TOTAL	RUBIDIUM TOTAL (UG/L AS RB)
01140	SILICON DISSOLVED	SILICON DISSOLVED (UG/L AS SI)
01142	SILICON TOTAL	SILICON TOTAL (UG/L AS SI)
01145	SELENIUM DISSOLVED	SELENIUM DISSOLVED (UG/L AS SE)
01146	SELENIUM SUSPENDED	SELENIUM SUSPENDED (UG/L AS SE)
01147	SELENIUM TOTAL	SELENIUM TOTAL (UG/L AS SE)
01148	SELENIUM BOT. MAT.	SELENIUM TOTAL IN BOTTOM MATERIAL (UG/G AS SE)
01150	TITANIUM DISSOLVED	TITANIUM DISSOLVED (UG/L AS TI)
01151	TITANIUM SUSPENDED	TITANIUM SUSPENDED (UG/L AS TI)
01152	TITANIUM TOTAL	TITANIUM TOTAL (UG/L AS TI)
01153	TITANIUM BOT. MAT.	TITANIUM TOTAL IN BOTTOM MATERIAL (UG/G AS TI)
01154	TUNGSTEN TOTAL	TUNGSTEN TOTAL (UG/L AS W)
01155	TUNGSTEN DISSOLVED	TUNGSTEN DISSOLVED (UG/L AS W)
01156	TUNGSTEN SUSPENDED	TUNGSTEN SUSPENDED (UG/L AS W)
01160	ZIRCONIUM DISSOLVED	ZIRCONIUM DISSOLVED (UG/L AS ZR)
01161	ZIRCONIUM SUSPENDED	ZIRCONIUM SUSPENDED (UG/L AS ZR)
01162	ZIRCONIUM TOTAL	ZIRCONIUM TOTAL (UG/L AS ZR)
01170	IRON BOTTOM MATERIAL	IRON TOTAL IN BOTTOM MATERIAL (UG/G AS FE)

CODE	SHORTNAME	LONGNAME
01171	PLATINUM TOTAL	PLATINUM TOTAL (UG/L AS PT)
01182	LANTHANUM TOTAL	LANTHANUM TOTAL (UG/L AS LA)
01187	SCANDIUM DISSOLVED	SCANDIUM DISSOLVED (UG/L AS SC)
01188	SCANDIUM SUSPENDED	SCANDIUM SUSPENDED (UG/L AS SC)
01189	SCANDIUM TOTAL	SCANDIUM TOTAL (UG/L AS SC)
01194	YTTERBIUM DISSOLVED	YTTERBIUM DISSOLVED (UG/L AS YB)
01195	YTTERBIUM SUSPENDED	YTTERBIUM SUSPENDED (UG/L AS YB)
01196	YTTERBIUM TOTAL	YTTERBIUM TOTAL (UG/L AS YB)
01203	YTTRIUM TOTAL	YTTRIUM TOTAL (UG/L AS Y)
01204	MOLYBDENUM TOTAL DRY	MOLYBDENUM TOTAL RECOVERABLE FROM DRY DEPOSITION (UG/KG)
01205	MOLYBDENUM INSOL.	MOLYBDENUM INSOLUBLE IN DRY DEPOSITION (UG/KG)
01206	MOLYBDENUM DISSOLVED	MOLYBDENUM DISSOLVED FROM DRY DEPOSITION (UG/KG)
01207	FLUORIDE TOTAL	FLUORIDE TOTAL DRY DEPOSITION (MG/KG)
01210	PALLADIUM TOTAL	PALLADIUM TOTAL (UG/L AS PD)
01212	ALUMINUM DISSOLVED	ALUMINUM DISSOLVED FROM DRY DEPOSITION (UG/KG)
01213	ALUMINUM INSOLUBLE	ALUMINUM INSOLUBLE IN DRY DEPOSITION (UG/KG)
01214	ALUMINUM TOTAL	ALUMINUM TOTAL IN DRY DEPOSITION (UG/KG)
01215	BARIUM DISSOLVED	BARIUM DISSOLVED FROM DRY DEPOSITION (UG/KG)
01216	BARIUM INSOLUBLE	BARIUM INSOLUBLE IN DRY DEPOSITION (UG/KG)
01217	BARIUM TOTAL	BARIUM TOTAL IN DRY DEPOSITION (UG/KG)
01218	TERBIUM TOTAL	TERBIUM TOTAL (UG/L)
01219	GADOLINIUM TOTAL	GADOLINIUM TOTAL (UG/L)
01221	MERCURY DISSOLVED	MERCURY DISSOLVED FROM DRY DEPOSITION (UG/KG)
01222	MERCURY INSOLUBLE	MERCURY INSOLUBLE IN DRY DEPOSITION (UG/KG)
01223	MERCURY TOTAL	MERCURY TOTAL IN DRY DEPOSITION (UG/KG)
01224	NICKEL DISSOLVED	NICKEL DISSOLVED FROM DRY DEPOSITION (UG/KG)
01225	NICKEL INSOLUBLE	NICKEL INSOLUBLE IN DRY DEPOSITION (UG/KG)
01226	NICKEL TOTAL	NICKEL TOTAL IN DRY DEPOSITION (UG/KG)
01227	SELENIUM DISSOLVED	SELENIUM DISSOLVED FROM DRY DEPOSITION (UG/KG)
01228	SELENIUM INSOLUBLE	SELENIUM INSOLUBLE IN DRY DEPOSITION (UG/KG)
01229	SELENIUM TOTAL	SELENIUM TOTAL IN DRY DEPOSITION (UG/KG)
01230	SILVER DISSOLVED	SILVER DISSOLVED FROM DRY DEPOSITION (UG/KG)
01231	SILVER INSOLUBLE	SILVER INSOLUBLE IN DRY DEPOSITION (UG/KG)
01232	SILVER TOTAL	SILVER TOTAL IN DRY DEPOSITION (UG/KG)
01233	VANADIUM DISSOLVED	VANADIUM DISSOLVED FROM DRY DEPOSITION (UG/KG)
01234	VANADIUM INSOLUBLE	VANADIUM INSOLUBLE IN DRY DEPOSITION (UG/KG)
01235	VANADIUM TOTAL	VANADIUM TOTAL IN DRY DEPOSITION (UG/KG)
01236	EUROPIUM TOTAL	EUROPIUM TOTAL (UG/L)
01237	NEODYMIUM TOTAL	NEODYMIUM TOTAL (UG/L)
01238	PRASEODYMIUM TOTAL	PRASEODYMIUM TOTAL (UG/L)
01239	NIOBIUM TOTAL	NIOBIUM TOTAL (UG/L)
01240	IRIDIUM TOTAL	IRIDIUM TOTAL (UG/L)
01241	OSMIUM TOTAL	OSMIUM TOTAL (UG/L)
01242	RHENIUM TOTAL	RHENIUM TOTAL (UG/L)
01243	HAFNIUM TOTAL	HAFNIUM TOTAL (UG/L)
01244	LUTETIUM TOTAL	LUTETIUM TOTAL (UG/L)
01245	THULIUM TOTAL	THULIUM TOTAL (UG/L)
01246	ERBIUM TOTAL	ERBIUM TOTAL (UG/L)
01247	HOLMIUM TOTAL	HOLMIUM TOTAL (UG/L)
01248	MANGANESE DISSOLVED	MANGANESE DISSOLVED FROM DRY DEPOSITION (UG/KG)
01249	MANGANESE INSOLUBLE	MANGANESE INSOLUBLE IN DRY DEPOSITION (UG/KG)
01250	MANGANESE TOTAL	MANGANESE TOTAL IN DRY DEPOSITION (UG/KG)
01300	OIL-GREASE SEVERITY	OIL-GREASE (SEVERITY)
01305	DET. SUDS SEVERITY	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES SEVERITY	GAS BUBBLES (SEVERITY)
01315	FLOATING SLUDGE	FLOATING SLUDGE (SEVERITY)
01320	FLOATING GARBAGE	FLOATING GARBAGE (SEVERITY)
01325	FLOATING ALGAE MATS	FLOATING ALGAE MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC	ATMOSPHERIC ODOR (SEVERITY)
01335	SEWAGE SOLIDS	SEWAGE SOLIDS, FRESH FLOATING (SEVERITY)
01340	DEAD FISH	DEAD FISH (SEVERITY)

CODE	SHORTNAME	LONGNAME
01345	FLOATING DEBRIS	FLOATING DEBRIS (SEVERITY)
01350	TURBIDITY (SEVERITY)	TURBIDITY (SEVERITY)
01351	STREAMFLOW	STREAMFLOW (SEVERITY)
01355	ICE COVER (SEVERITY)	ICE COVER, FLOATING OR SOLID (SEVERITY)
01501	ALPHA TOTAL	ALPHA TOTAL (PCI/L)
01502	ALPHA TOTAL C.E.	ALPHA TOTAL COUNTING ERROR (PCI/L)
01503	ALPHA DISSOLVED	ALPHA DISSOLVED (PCI/L)
01504	ALPHA DISSOLVED C.E.	ALPHA DISSOLVED COUNTING ERROR (PCI/L)
01505	ALPHA SUSPENDED	ALPHA SUSPENDED (PCI/L)
01506	ALPHA SUSPENDED C.E.	ALPHA SUSPENDED COUNTING ERROR (PCI/L)
01507	GROSS ALPHA,SEDIMENT	GROSS ALPHA IN SEDIMENT (PCI/L)
01508	GROSS ALPHA SED.C.E.	GROSS ALPHA IN SEDIMENT, COUNTING ERROR (PCI/L)
01515	GROSS ALPHA DISS.	GROSS ALPHA DISSOLVED (PCI/L AS U-NAT)
01516	G.ALPHA SUS.U-N	GROSS ALPHA SUSPENDED (PCI/L AS U-NAT)
01517	GROSS ALPHA SUSP.	GROSS ALPHA SUSPENDED (PCI/G AS U-NAT)
01518	GROSS ALPHA SUSP.	GROSS ALPHA SUSPENDED (UG/G AS U-NAT)
01524	GROSS ALPHA WATER D.	GROSS ALPHA WATER DISSOLVED COUNTING ERROR (UG/L)
01525	GROSS ALPHA SED. WAT	GROSS ALPHA SEDIMENT IN WATER, SUSPENDED, COUNTING ERROR (UG/L)
03501	BETA TOTAL	BETA TOTAL (PCI/L)
03502	BETA TOTAL C.E.	BETA TOTAL COUNTING ERROR (PCI/L)
03503	BETA DISSOLVED	BETA DISSOLVED (PCI/L)
03504	BETA DISSOLVED C.E.	BETA DISSOLVED COUNTING ERROR (PCI/L)
03505	BETA SUSPENDED	BETA SUSPENDED (PCI/L)
03506	BETA SUSPENDED C.E.	BETA SUSPENDED COUNTING ERROR (PCI/L)
03507	GROSS BETA, SEDIMENT	GROSS BETA IN SEDIMENT (PCI/G)
03508	GROSS BETA, SED.C.E	GROSS BETA SEDIMENT COUNTING ERROR (PCI/G)
03515	GROSS BETA DISSOLVED	GROSS BETA DISSOLVED (PCI/L AS CS-137)
03516	GROSS BETA SUSPENDED	GROSS BETA SUSPENDED (PCI/L AS CS-137)
03517	BETA SUSPENDED S.A.	BETA SUSPENDED SPECIFIC ACTIVITY (PCI/G AS SR90/Y90)
03518	BETA SUSPENDED S.A.	GROSS BETA SUSPENDED (PCI/G AS CS-137)
03519	GROSS BETA TOTAL	GROSS BETA TOTAL (PCI/L AS CS-137)
03521	CARBON-13/CARBON-12	CARBON-13/CARBON-12 TOTAL ORGANIC IN ROCK OR SOIL (RATIO PERMIL)
03522	SULFUR-34/SULFUR-32	SULFUR-34/SULFUR-32 IN SULFIDE DISSOLVED (RATIO PER MIL)
03523	SULFUR-34/SULFUR-32	SULFER-34/SULFER-32 IN SULFIDE, TOTAL IN BOTTOM MATERIAL ( RATIO PER MIL)
03526	GROSS BETA, WAT.DIS.	GROSS BETA, WATER DISSOLVED, COUNTING ERROR (PCI/L AS CS137)
03527	GROSS BETA, SED.SUSP	GROSS BETA, SEDIMENT IN WATER SUSPENDED, COUNTING ERROR (PC I/L AS CS137)
03528	GROSS BETA, WAT.DISS	GROSS BETA, WATER DISSOLVED, COUNTING ERROR (PCI/L AS SR90)
03529	GROSS BETA, SED.SUSP	GROSS BETA, SEDIMENT IN WATER SUSPENDED, COUNTING ERROR (PC I/L AS SR90)
04000	METRIBUZIN BOTMAT R	METRIBUZIN, SEDIMENT, BOTTOM MATERIAL, RECOVERABLE, UG/KG
04001	DEISOPROPYL ATRIZ B	DEISOPROPYL ATRAZINE, SEDIMENT, BOTTOM MATERIAL, RECOVERABLE, UG/KG
04002	DEETHYLDEISOP ATRZ	DEETHYLDEISOPROPL ATRAZINE, SEDIMENT, BOTTOM MATERIAL, RECOVERABLE, UG/KG
04003	DEETHYL ATRAZINE BM	DEETHYL ATRAZINE, SEDIMENT, BOTTOM MATERIAL, RECOVERABLE, UG/KG
04004	CYANAZINE BOTMAT RE	CYANAZINE, SEDIMENT, BOTTOM MATERIAL, RECOVERABLE, UG/KG
04005	METOLACHLOR, BM REC	METOLACHLOR, SEDIMENT, BOTTOM MATERIAL, RECOVERABLE, UG/KG
04006	ALACHLOR, BM REC	ALACHLOR, SEDIMENT, BOTTOM MATERIAL, RECOVERABLE, UG/KG
04007	SIMETRYN SS REC	SIMETRYN, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04008	SIMAZINE SS REC	SIMAZINE, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04009	PROPАЗINE SS REC	PROPАЗINE, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04010	PROMETRYN SS REC	PROMETRYN, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04011	PROMETON SS REC	PROMETON, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04012	METRIBUZIN SS REC	METRIBUZIN, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04013	DEISOPROPLY ATRZN S	DEISOPROPYL ATRAZINE, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04014	DEETHYLDEISOP ATZ S	DEETHYLDEISOPROPYL ATRAZINE, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04015	DEETHYL ATRAZINE SS	DEETHYL ATRAZINE, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04016	CYANAZINE SS REC	CYANAZINE, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04017	ATRAZINE, SS REC	ATRAZINE, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04018	AMETRYN, SS REC	AMETRYN, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04019	TRIFLURALIN SS REC	TRIFLURALIN, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04020	METOLACHLOR SS REC	METOLACHLOR, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04021	ALACHLOR SS REC	ALACHLOR, SEDIMENT, SUSPENDED, RECOVERABLE, UG/KG
04022	TERBUTHYLAZINE D RE	TERBUTHYLAZINE, WATER, DISSOLVED, RECOVERABLE, UG/L

CODE	SHORTNAME	LONGNAME
04023	TRIFLURALIN DISS RE	TRIFLURALIN, WATER, DISSOLVED, RECOVERABLE, UG/L
04024	PROPACHLOR DISS REC	PROPACHLOR, WATER, DISSOLVED, RECOVERABLE, UG/L
04025	HEXAZINONE DISS REC	HEXAZINONE, WATER, DISSOLVED, RECOVERABLE, UG/L
04026	BUTACHLOR DISS REC	BUTACHLOR, WATER, DISSOLVED, RECOVERABLE, UG/L
04027	CARBOXIN DISS REC	CARBOXIN, WATER, DISSOLVED, RECOVERABLE, UG/L
04028	BUTYLAKE DISS REC	BUTYLAKE, WATER, DISSOLVED, RECOVERABLE, UG/L
04029	BROMACIL DISS REC	BROMACIL, WATER, DISSOLVED, RECOVERABLE, UG/L
04030	SIMETRYN DISS REC	SIMETRYN, WATER, DISSOLVED, RECOVERABLE, UG/L
04031	CYCLOATE DISS REC	CYCLOATE, WATER, DISSOLVED, RECOVERABLE, UG/L
04032	TERBACIL DISS REC	TERBACIL, WATER, DISSOLVED, RECOVERABLE, UG/L
04033	DIPHENAMID DISS REC	DIPHENAMID, WATER, DISSOLVED, RECOVERABLE, UG/L
04034	VERNOLATE DISS REC	VERNOLATE, WATER, DISSOLVED, RECOVERABLE, UG/L
04035	SIMAZINE DISS REC	SIMAZINE, WATER, DISSOLVED, RECOVERABLE, UG/L
04036	PROMETRYN DISS REC	PROMETRYN, WATER, DISSOLVED, RECOVERABLE, UG/L
04037	PROMETON DISS REC	PROMETON, WATER, DISSOLVED, RECOVERABLE, UG/L
04038	DEISOPROP ATRAZIN D	DEISOPROPYL ATRAZINE, WATER, DISSOLVED, RECOVERABLE, UG/L
04039	DEETHYLDEISOP ATZ D	DEETHYLDEISOPROPYL ATRAZINE, WATER, DISSOLVED, RECOVERABLE, UG/L
04040	DEETHYL ATRAZINE D	DEETHYL ATRAZINE, WATER, DISSOLVED, RECOVERABLE, UG/L
04041	CYANAZINE DISS REC	CYANAZINE, WATER, DISSOLVED, RECOVERABLE, UG/L
04042	ALUMINUM BM <2 WS N	ALUMINUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, PERCENT
04043	ANTIMONY BM <2 WS N	ANTIMONY, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04044	ARSENIC BM <2 WS NW	ARSENIC, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04045	BARIUM BM <2 WS NW	BARIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04046	BERYLLIUM BM <2 WS	BERYLLIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04047	BISMUTH BM <2 WS NW	BISMUTH, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04048	BORON BM <2 WS NW	BORON, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04049	CADMİUM BM <2 WS NW	CADMİUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04050	CALCIUM BM <2 WS NW	CALCIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, PERCENT
04051	CERIUM BM <2 WS NW	CERIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04052	CHROMIUM BM <2 WS N	CHROMIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04053	COBALT BM <2 WS NW	COBALT, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04054	COPPER BM <2 WS NW	COPPER, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04055	EUROPIUM BM <2 WS N	EUROPIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04056	GALLIUM BM <2 WS NW	GALLIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04057	GERMANIUM BM <2 WS	GERMANIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04058	GOLD BM <2 WS NW	GOLD, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04059	HOLMIUM BM <2 WS NW	HOLMIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 2 MM, TOTAL, (UG/G)
04060	THALLIUM BM WS <63	THALLIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 65 MICRON, TOTAL, UG/G
04061	THALLIUM BM WS <180	THALLIUM, SEDIMENT, BED MATERIAL, WET SIEVE (NATURAL WATER), FINER THAN 180 MICRON, T, UG/G

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04062	THALLIUM SS WS >63	THALLIUM, SEDIMENT, SUSPENDED, WET SIEVE (NATURAL WATER), GREATER THAN 63 MICRON, T, UG/G
04063	THALLIUM SS WS <63	THALLIUM, SEDIMENT, SUSPENDED, WET SIEVE (NATURAL WATER), FINER THAN 63 MICRON, T, UG/G
04064	THALLIUM BM DS <63	THALLIUM, SEDIMENT, BED MATERIAL, DRY SIEVE, FINER THAN 63 MICRON, TOTAL, UG/G
04065	SEDIMENT SUS FD<4	SEDIMENT, SUSPENDED, FALL DIAMETER (DISTILLED WATER), FINER THAN 4 MM, PERCENT
04066	INORG C BM WSNW <63	CARBON, INORGANIC, SEDIMENT, BED MATERIAL, WET SIEVE (NAT. WAT.), <63U, TOTAL, AS C, UG/G
04067	INORG C BM WSNW <18	CARBON, INORGANIC, SEDIMENT, BED MATERIAL, WET SIEVE (NAT. WAT.), <180U, TOTAL, AS C, UG/G
04068	INORG C BM DS <63	CARBON, INORGANIC, SEDIMENT, BED MATERIAL, DRY SIEVE, <63U, TOTAL, AS C, UG/G
04069	INORG C SS WSNW <63	CARBON, INORGANIC, SEDIMENT, SUSPENDED, WET SIEVE (NAT. WAT.), <63U, TOTAL, AS C, UG/G
04070	INORG C SS WSNW >63	CARBON, INORGANIC, SEDIMENT, SUSPENDED, WET SIEVE (NAT. WAT.), >63U, TOTAL, AS C, UG/G
04071	ORGAN C BM WSNW <63	CARBON, ORGANIC, SEDIMENT, BED MATERIAL, WET SIEVE (NAT. WAT.), <63U, TOTAL, AS C, UG/G
04072	ORGAN C BM WSNW <18	CARBON, ORGANIC, SEDIMENT, BED MATERIAL, WET SIEVE (NAT. WAT.), <180U, TOTAL, AS C, UG/G
04073	ORGAN C BM DS <63	CARBON, ORGANIC, SEDIMENT, BED MATERIAL, DRY SIEVE, <63U, TOTAL, AS C, UG/G
04074	ORGAN C SS WSNW <63	CARBON, ORGANIC, SEDIMENT, SUSPENDED, WET SIEVE (NAT. WAT.), <63U, TOTAL, AS C, UG/G
04075	ORGAN C SS WSNW >63	CARBON, ORGANIC, SEDIMENT, SUSPENDED, WET SIEVE (NAT. WAT.), >63U, TOTAL, AS C, UG/G
04076	C (I+O) BM WSNW <63	CARBON, INORGANIC + ORGANIC, SED., BED MAT., WET SIEVE (NAT. WAT.), <63U, TOTAL, AS C, UG/G
04077	C (I+O) BM WSNW <18	CARBON, INORGANIC + ORGANIC, SED., BED MAT., WET SIEVE (NAT. WAT.), <180U, TOTAL, AS C, UG/G
04078	C (I+O) BM DS <63	CARBON, INORGANIC + ORGANIC, SED., BED MAT., DRY SIEVE, <63U, TOTAL, AS C, UG/G
04079	C (I+O) SS WSNW <63	CARBON, INORGANIC + ORGANIC, SED., SUSP., WET SIEVE (NAT. WAT.), <63U, TOTAL, AS C, UG/G
04080	C (I+O) SS WSNW >63	CARBON, INORGANIC + ORGANIC, SED., SUSP., WET SIEVE (NAT.WAT.), >63 MICRON, TOT., AS C, UG/G
04081	THIODIGLYCOL WH REC	THIODIGLYCOL, WATER, WHOLE, RECOVERABLE, UG/L
04082	1,2,3,5 TETRAZINE W	1,2,3,5-TETRAZINE, WATER, WHOLE, RECOVERABLE, UG/L
04083	CHLORFENFINPHOS WH	CHLORFENVINPHOS., WATER, WHOLE, RECOVERABLE, UG/L
04084	DIMETHOXYMETH PHOS	DIMETHOXYMETHYL PHOSPHATE, WATER, UNFILTERED, RECOVERABLE, UG/L
04085	1,2/1,4DICHLOROBEN	1,2 & 1,4 DICHLOROBENZENES, WATER, WHOLE, RECOVERABLE, UG/L
04086	ETRIMFOS UNF REC	ETRIMFOS, WATER, UNFILTERED, RECOVERABLE, UG/L
04088	BROMOPHOS ETHYL WH	BROMOPHOS, ETHYL, WATER, WHOLE, RECOVERABLE, UG/L
04089	BROMOPHOS METHYL WH	BROMOPHOS, METHYL, WATER, WHOLE, RECOVERABLE, UG/L
04090	DCAA UNF REC	DCAA, WATER, UNFILTERED, RECOVERABLE, UG/L
04091	CLOPYRALID UNF REC	CLOPYRALID, WATER, UNFILTERED, RECOVERABLE, UG/L
04092	TRICLOPYR UNF REC	TRICLOPYR, WATER, UNFILTERED, RECOVERABLE, UG/L
04093	35DICHLOROBENZOIC A	3,5 DICHLOROBENZOIC ACID, WATER, UNFILTERED, RECOVERABLE, UG/L
04094	5HYDROXY DICAMBA U	5-HYDROXY DICAMBA, WATER, UNFILTERED, RECOVERABLE, UG/L
04095	FONOFOX DISS REC	FONOFOX, WATER, DISSOLVED, RECOVERABLE, UG/L
04096	ALUMINUM DISS .1U F	ALUMINUM, WATER, DISSOLVED, 0.1U FILTER, UG/L
04097	IRON DISS. .1U FILT	IRON, WATER, DISSOLVED, 0.1U FILTER, UG/L
04098	MGK-264 WH REC	MGK-264, WATER, WHOLE, RECOVERABLE, UG/L
04099	METHYL PARAOXON WH	METHYL PARAOXON, WATER, WHOLE, RECOVERABLE, UG/L
04100	FLURIDONE WH REC	FLURIDONE, WATER, WHOLE, RECOVERABLE, UG/L
04101	FENARIMOL WH REC	FENARIMOL, WATER, WHOLE, RECOVERABLE, UG/L
04102	BETA BM SR-90/Y-90	BETA RADIOACTIVITY, SEDIMENT, BOTTOM MATERIAL, TOTAL, DRY WEIGHT, AS SR-90/Y-90, PCI/G
04103	CESIUM-137 SOIL PE	CESIUM-137, 2 SIGMA PRECISION ESTIMATE, SOIL, TOTAL, DRY WEIGHT, PCI/G
04104	LEAD-210 BM PE	LEAD-210, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, BOTTOM MATERIAL, TOTAL, DRY WEIGHT, PCI/G
04105	POLONIUM-210 BM PE	POLONIUM-210, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, BOTTOM MATERIAL, TOTAL, DRY WEIGHT, PCI/G

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04106	RADIUM-228 BM PE	RADIUM-228, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, BOTTOM MATERIAL, TOTAL, DRY WEIGHT, PCI/G
04107	RADIUM-226 BM PE	RADIUM-226, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, BOTTOM MATERIAL, TOTAL, DRY WEIGHT, PCI/G
04108	THORIUM-230 BM PE	THORIUM-230, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, BOTTOM MATERIAL, TOTAL, DRY WEIGHT, PCI/G
04109	THORIUM-232 DISS PE	THORIUM-232, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED, PCI/L
04110	THORIUM-232 BM PE	THORIUM-232, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, BOTTOM MATERIAL, TOTAL, DRY WEIGHT, PCI/G
04111	URANIUM-234 BM PE	URANIUM-234, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, BOTTOM MATERIAL, TOTAL, DRY WEIGHT, PCI/G
04112	URANIUM-235 BM PE	URANIUM-235, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, BOTTOM MATERIAL, TOTAL, DRY WEIGHT, PCI/G
04113	URANIUM-238 SS PE	URANIUM-238, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, SUSPENDED, TOTAL, DRY WEIGHT, PCI/G
04114	PCB SED SUSP REC	PCB, TOTAL, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
04115	PCB DISS REC	PCB, TOTAL, WATER, DISSOLVED, RECOVERABLE, G/DAY
04116	PCB WHOLE REC	PCB, TOTAL, WATER, WHOLE, RECOVERABLE, G/DAY
04117	TETHER LINE USED	TETHER LINE USED FOR COLLECTING SAMPLE (YES=1) CODE
04118	COMPOSIT.SAMPS.X-SE	COMPOSITED SAMPLES IN CROSS-SECTIONAL BEDLOAD MEASUREMENT, NUMBER
04119	VERTICALS IN COMPSM	VERTICALS IN COMPOSITE SAMPLE, NUMBER
04120	REST TIME ON BED	REST TIME ON BED FOR BED LOAD SAMPLE, SECONDS
04121	HOR. WIDTH VERTICAL	HORIZONTAL WIDTH OF VERTICAL, FEET
04122	SED DIS AU COMP SMP	DISCHARGE, SEDIMENT, BEDLOAD, AVERAGE UNIT, COMPOSITE SAMPLES, TONS/DAY/FOOT
04123	TRITIUM, CNT ERROR	TRITIUM, COUNTING ERROR, WATER, WHOLE, TOTAL, PCI/ML
04124	TRITIUM, WHOLE, TOT	TRITIUM, WATER, WHOLE, TOTAL, PCI/ML
04125	ALPHA BM AS TH-230	ALPHA RADIOACTIVITY, SEDIMENT, BOTTOM MATERIAL, DRY WEIGHT, AS TH-230, PCI/G
04126	ALPHA DISS AS TH-23	ALPHA RADIOACTIVITY, WATER, DISSOLVED, AS TH-230, PCI/L
04127	ALPHA SS AS TH-230	ALPHA RADIOACTIVITY, SEDIMENT, SUSPENDED, DRY WEIGHT, AS TH-230, PCI/L
04128	T ORG CARBON BM <2M	CARBON, ORGANIC, TOTAL, SEDIMENT, BED MATERIAL, <2 MM, DRY WIEGHT, UG/G
04129	SILVER BED MAT <2MM	SILVER, SEDIMENT, BED MATERIAL, <2 MM, DRY WIEGHT, UG/G
04130	LEAD, BED MAT <2MM	LEAD, SEDIMENT, BED MATERIAL, <2 MM, DRY WIEGHT, UG/G
04131	ZINC, BED MAT <2MM	ZINC, SEDIMENT, BED MATERIAL, <2 MM, DRY WIEGHT, UG/G
04132	NICKEL, BED MAT <2M	NICKEL, SEDIMENT, BED MATERIAL, <2 MM, DRY WIEGHT, UG/G
04133	MERCURY BED MAT <2M	MERCURY, SEDIMENT, BED MATERIAL, <2 MM, DRY WIEGHT, UG/G
04134	TITANIUM B MAT <2MM	TITANIUM, SEDIMENT, BED MATERIAL, <2 MM, DRY WIEGHT, PERCENT
04135	IRON, BED MAT <2MM	IRON, SEDIMENT, BED MATERIAL, <2 MM, DRY WIEGHT, PERCENT
04136	MANGANESE B MAT <2M	MANGANESE, SEDIMENT, BED MATERIAL, <2 MM, DRY WIEGHT, UG/G
05504	GROSS GAMMA SCAN W.D	GROSS GAMMA SCAN, WATER DISSOLVED, COUNTING ERROR (PCI/L)
05515	GROSS GAMMA SCAN B.M	GROSS GAMMA SCAN, SEDIMENT IN BOTTOM MATERIAL, COUNTING ERR OR (PCI/G)
05516	GROSS GAMMA SCAN S.S	GROSS GAMMA SCAN, SEDIMENT IN WATER SUSPENDED, COUNTING ERR OR (PCI/L)
07000	TRITIUM TOTAL	TRITIUM TOTAL (PCI/L)
7001	TRITIUM TOTAL C.E.	TRITIUM TOTAL, COUNTING ERROR (PCI/L)
7005	TRITIUM DISSOLVED	TRITIUM DISSOLVED (PCI/L)
07006	TRITIUM DISSOLVED CE	TRITIUM DISSOLVED, COUNTING ERROR (PCI/L)
7010	TRITIUM SUSPENDED	TRITIUM SUSPENDED (PCI/L)
7011	TRITIUM SUSPENDED CE	TRITIUM SUSPENDED, COUNTING ERROR (PCI/L)
07012	TRITIUM IN WATER MOL	TRITIUM IN WATER MOLECULES (TRITIUM UNITS)
07013	TRITIUM WATER MOL CE	TRITIUM IN WATER MOLECULES, COUNTING ERROR (TRITIUM UNITS)
7014	TRITIUM SUSPENDED CE	TRITIUM SUSPENDED, COUNTING ERROR (TRITIUM UNITS)
7015	TRITIUM DISSOLVED CE	TRITIUM DISSOLVED, COUNTING ERROR (TRITIUM UNITS)
07016	TRITIUM SUSPENDED	TRITIUM SUSPENDED (TRITIUM UNITS)
07017	TRITIUM TOTAL	TRITIUM TOTAL (TRITIUM UNITS)
7018	TRITIUM DISSOLVED	TRITIUM DISSOLVED (TRITIUM UNITS)
07019	TRITIUM TOTAL C.E.	TRITIUM TOTAL, COUNTING ERROR (TRITIUM UNITS)
07050	CALCIUM 45 DISSOLVED	CALCIUM 45 DISSOLVED (PCI/L)
7051	CALCIUM 45 DISS. C.E	CALCIUM 45 DISSOLVED, COUNTING ERROR (PCI/L)
7052	CALCIUM 45 SUSPENDED	CALCIUM 45 SUSPENDED (PCI/L)
07053	CALCIUM 45 SUSP. C.E	CALCIUM 45 SUSPENDED, COUNTING ERROR (PCI/L)

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07054	CALCIUM 45 TOTAL	CALCIUM 45 TOTAL (PCI/L)
07055	CALCIUM 45 TOTAL C.E.	CALCIUM 45 TOTAL, COUNTING ERROR (PCI/L)
07060	IRON 59 DISSOLVED	IRON 59 DISSOLVED (PCI/L)
07061	IRON 59 DISSOLVED CE	IRON 59 DISSOLVED, COUNTING ERROR (PCI/L)
07062	IRON 59 SUSPENDED	IRON 59 SUSPENDED (PCI/L)
07063	IRON 59 SUSPENDED CE	IRON 59 SUSPENDED, COUNTING ERROR (PCI/L)
07064	IRON 59 TOTAL	IRON 59 TOTAL (PCI/L)
07065	IRON 59 TOTAL C.E.	IRON 59 TOTAL, COUNTING ERROR (PCI/L)
07080	RHODAMINE WT. DISS.	RHODAMINE WT. DISSOLVED (UG/L)
07082	RHODAMINE WT. SUSP.	RHODAMINE WT. SUSPENDED (UG/L)
07084	RHODAMINE WT. TOTAL	RHODAMINE WT. TOTAL (UG/L)
07100	SELENIUM 75 DISS.	SELENIUM 75 DISSOLVED (PCI/L)
07101	SELENIUM 75 DISS. CE	SELENIUM 75 DISSOLVED, COUNTING ERROR (PCI/L)
07102	SELENIUM 75 SUSP.	SELENIUM 75 SUSPENDED (PCI/L)
07103	SELENIUM 75 SUSP. CE	SELENIUM 75 SUSPENDED, COUNTING ERROR (PCI/L)
07104	SELENIUM 75 TOTAL	SELENIUM 75 TOTAL (PCI/L)
07105	SELENIUM 75 TOTAL CE	SELENIUM 75 TOTAL, COUNTING ERROR (PCI/L)
07120	SILVER 110 DISSOLVED	SILVER 110 DISSOLVED (PCI/L)
07121	SILVER 110 DISS. C.E	SILVER 110 DISSOLVED, COUNTING ERROR (PCI/L)
07122	SILVER 110 SUSPENDED	SILVER 110 SUSPENDED (PCI/L)
07123	SILVER 110 SUSP. C.E	SILVER 110 SUSPENDED, COUNTING ERROR (PCI/L)
07124	SILVER 110 TOTAL	SILVER 110 TOTAL (PCI/L)
07125	SILVER 110 TOTAL C.E	SILVER 110 TOTAL, COUNTING ERROR (PCI/L)
07140	SULFUR 35 DISSOLVED	SULFUR 35 DISSOLVED (PCI/L)
07141	SULFUR 35 DISS. C.E.	SULFUR 35 DISSOLVED, COUNTING ERROR (PCI/L)
07142	SULFUR 35 SUSPENDED	SULFUR 35 SUSPENDED (PCI/L)
07143	SULFUR 35 SUSP. C.E.	SULFUR 35 SUSPENDED, COUNTING ERROR (PCI/L)
07144	SULFUR 35 TOTAL	SULFUR 35 TOTAL (PCI/L)
07145	SULFUR 35 TOTAL C.E.	SULFUR 35 TOTAL, COUNTING ERROR (PCI/L)
09501	RADIUM 226 TOTAL	RADIUM 226 TOTAL (PCI/L)
09503	RADIUM 226 DISSOLVED	RADIUM 226 DISSOLVED (PCI/L)
09504	RADIUM 226 DISS. C.E	RADIUM 226 DISSOLVED, COUNTING ERROR (PCI/L)
09505	RADIUM 226 SUSPENDED	RADIUM 226 SUSPENDED (PCI/L)
09506	RADIUM 226 SUSP. C.E	RADIUM 226 SUSPENDED, COUNTING ERROR (PCI/L)
09507	RADIUM 226 TOTAL B.M	RADIUM 226 TOTAL IN BOTTOM MATERIAL (PCI/L)
09508	RADIUM 226 B.M. C.E.	RADIUM 226 TOTAL IN BOTTOM MATERIAL, COUNTING ERROR (PCI/G)
09510	RADIUM 226 DISS. P.C	RADIUM 226 DISSOLVED, PLANCHET COUNT (PCI/L)
09511	RADIUM 226 DISS. R.M	RADIUM 226 DISSOLVED, RADON METHOD (PCI/L)
11501	RADIUM 228 TOTAL	RADIUM 228 TOTAL (PCI/L AS RA228)
11502	RADIUM 228 TOTAL C.E	RADIUM 228 TOTAL, COUNTING ERROR (PCI/L AS RA228)
13501	STRONTIUM 90 TOTAL	STRONTIUM 90 TOTAL (PCI/L)
13502	STRONTIUM 90 TOT.C.E	STRONTIUM 90 TOTAL, COUNTING ERROR (PCI/L)
13503	STRONTIUM 90 DISS.	STRONTIUM 90 DISSOLVED (PCI/L)
13504	STRONTIUM 90 DIS.C.E	STRONTIUM 90 DISSOLVED, COUNTING ERROR (PCI/L)
13505	STRONTIUM 90 SUSP.	STRONTIUM 90 SUSPENDED (PCI/L)
13506	STRONTIUM 90 SUS.C.E	STRONTIUM 90 SUSPENDED, COUNTING ERROR (PCI/L)
13507	STRONTIUM 90 WAT. D.	STRONTIUM 90 WATER DISSOLVED, COUNTING ERROR (PCI/L)
15501	STRONTIUM 89 TOTAL	STRONTIUM 89 TOTAL (PCI/L)
15502	STRONTIUM 89 TOT.C.E	STRONTIUM 89 TOTAL, COUNTING ERROR (PCI/L)
15503	STRONTIUM 89 DIS.C.E	STRONTIUM 89 DISSOLVED, COUNTING ERROR (PCI/L)
15504	STRONTIUM 89 DISS.	STRONTIUM 89 DISSOLVED (PCI/L)
17501	LEAD-210,WATER,TOT	LEAD-210, WATER, WHOLE, TOTAL (PCI/L)
17502	LEAD-210,TOTAL,CE.	LEAD-210, WATER, WHOLE, TOTAL, COUNTING ERROR (PCI/L)
17503	LEAD 210 DISSOLVED	LEAD 210 DISSOLVED (PCI/L)
17504	LEAD 210 DISS. C.E.	LEAD 210 DISSOLVED, COUNTING ERROR (PCI/L)
17505	LEAD 210 SUSPENDED	LEAD 210 SUSPENDED (PCI/L)
17506	LEAD 210 SUSP. C.E.	LEAD 210 SUSPENDED, COUNTING ERROR (PCI/L)
17507	LEAD-210,SED.BOT.M.	LEAD-210, SEDIMENT, MATERIAL (PCI/G)
17508	LEAD 210 SED. C.E.	LEAD 210 IN SEDIMENT, COUNTING ERROR (PCI/G)
17517	LEAD-212,WHOLE	LEAD-212, WATER, WHOLE, (PCI/L)
17518	LEAD-212,WHOLE,CE	LEAD-212, WATER, WHOLE, COUNTING ERROR, (PCI/L)

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17519	LEAD-214,WHOLE	LEAD-214, WATER, WHOLE, (PCI/L)
17520	LEAD-214,WHOLE,CE	LEAD-214, WATER, WHOLE, COUNTING ERROR, (PCI/L)
18501	IODINE-129,WHOLE	IODINE-129, WATER, WHOLE, (PCI/L)
18502	IODINE-129,WHOLE,CE	IODINE-129, WATER, WHOLE, COUNTING ERROR, (PCI/L)
19002	PCB C 7 W DS	PCB, CONGENER 7, WATER, DISSOLVED, RECOVERABLE, NG/L
19003	PCB C 6 W DS	PCB, CONGENER 6, WATER, DISSOLVED, RECOVERABLE, NG/L
19004	PCB C 5+8 W DS	PCB, CONGENER 5 + 8, WATER, DISSOLVED, RECOVERABLE, NG/L
19005	PCB C 19 W DS	PCB, CONGENER 19, WATER, DISSOLVED, RECOVERABLE, NG/L
19006	PCB C 18 W DS	PCB, CONGENER 18, WATER, DISSOLVED, RECOVERABLE, NG/L
19007	PCB C 17 W DS	PCB, CONGENER 17, WATER, DISSOLVED, RECOVERABLE, NG/L
19008	PCB C 24+27 W DS	PCB, CONGENER 24 + 27, WATER, DISSOLVED, RECOVERABLE, NG/L
19009	PCB C 16+32 W DS	PCB, CONGENER 16 + 32, WATER, DISSOLVED, RECOVERABLE, NG/L
19010	PCB C 26 W DS	PCB, CONGENER 26, WATER, DISSOLVED, RECOVERABLE, NG/L
19011	PCB C 28+31 W DS	PCB, CONGENER 28 + 31, WATER, DISSOLVED, RECOVERABLE, NG/L
19012	PCB C 33 W DS	PCB, CONGENER 33, WATER, DISSOLVED, RECOVERABLE, NG/L
19013	PCB C 22 W DS	PCB, CONGENER 22, WATER, DISSOLVED, RECOVERABLE, NG/L
19014	PCB C 45 W DS	PCB, CONGENER 45, WATER, DISSOLVED, RECOVERABLE, NG/L
19015	PCB C 46 W DS	PCB, CONGENER 46, WATER, DISSOLVED, RECOVERABLE, NG/L
19016	PCB C 52 W DS	PCB, CONGENER 52, WATER, DISSOLVED, RECOVERABLE, NG/L
19017	PCB C 49 W DS	PCB, CONGENER 49, WATER, DISSOLVED, RECOVERABLE, NG/L
19018	PCB C 47 + 48 W DS	PCB, CONGENER 47 + 48, WATER, DISSOLVED, RECOVERABLE, NG/L
19019	PCB C 44 W DS	PCB, CONGENER 44, WATER, DISSOLVED, RECOVERABLE, NG/L
19020	PCB C 37 + 42 W DS	PCB, CONGENER 37 + 42, WATER, DISSOLVED, RECOVERABLE, NG/L
19021	PCB C 41+64+ 71 W D	PCB, CONGENER 41 + 64 + 71, WATER, DISSOLVED, RECOVERABLE, NG/L
19022	PCB C 40 W DS	PCB, CONGENER 40, WATER, DISSOLVED, RECOVERABLE, NG/L
19023	PCB C 74 W DS	PCB, CONGENER 74, WATER, DISSOLVED, RECOVERABLE, NG/L
19024	PCB C 70 + 76 W DS	PCB, CONGENER 70 + 76, WATER, DISSOLVED, RECOVERABLE, NG/L
19025	PCB C 66 + 95 W DS	PCB, CONGENER 66 + 95, WATER, DISSOLVED, RECOVERABLE, NG/L
19026	PCB C 91 W DS	PCB, CONGENER 91, WATER, DISSOLVED, RECOVERABLE, NG/L
19027	PCB C 56 + 60 W DS	PCB, CONGENER 56 + 60, WATER, DISSOLVED, RECOVERABLE, NG/L
19028	PCB C 84 + 92 W DS	PCB, CONGENER 84 + 92, WATER, DISSOLVED, RECOVERABLE, NG/L
19029	PCB C 101 W DS	PCB, CONGENER 101, WATER, DISSOLVED, RECOVERABLE, NG/L
19030	PCB C 99 W DS	PCB, CONGENER 99, WATER, DISSOLVED, RECOVERABLE, NG/L
19031	PCB C 97 W DS	PCB, CONGENER 97, WATER, DISSOLVED, RECOVERABLE, NG/L
19032	PCB C 87 W DS	PCB, CONGENER 87, WATER, DISSOLVED, RECOVERABLE, NG/L
19033	PCB C 85 W DS	PCB, CONGENER 85, WATER, DISSOLVED, RECOVERABLE, NG/L
19034	PCB C 136 W DS	PCB, CONGENER 136, WATER, DISSOLVED, RECOVERABLE, NG/L
19035	PCB C 77 + 110 W DS	PCB, CONGENER 77 + 110, WATER, DISSOLVED, RECOVERABLE, NG/L
19036	PCB C 82 W DS	PCB, CONGENER 82, WATER, DISSOLVED, RECOVERABLE, NG/L
19037	PCB C 151 W DS	PCB, CONGENER 151, WATER, DISSOLVED, RECOVERABLE, NG/L
19038	PCB C 135 + 144 W D	PCB, CONGENER 135 + 144, WATER, DISSOLVED, RECOVERABLE, NG/ L
19039	PCB C 149 W DS	PCB, CONGENER 149, WATER, DISSOLVED, RECOVERABLE, NG/L
19040	PCB C 118 W DS	PCB, CONGENER 118, WATER, DISSOLVED, RECOVERABLE, NG/L
9041	PCB C 146 W DS	PCB, CONGENER 146, WATER, DISSOLVED, RECOVERABLE, NG/L
9042	PCB C 132 + 153 W D	PCB, CONGENER 132 + 153, WATER, DISSOLVED, RECOVERABLE, NG/ L
19043	PCB C 141 W DS	PCB, CONGENER 141, WATER, DISSOLVED, RECOVERABLE, NG/L
9044	PCB C 137 + 176 W D	PCB, CONGENER 137 + 176, WATER, DISSOLVED, RECOVERABLE, NG/ L
9045	PCB C 138 + 163 W D	PCB, CONGENER 138 + 163, WATER, DISSOLVED, RECOVERABLE, NG/ L
19046	PCB C 178 W DS	PCB, CONGENER 178, WATER, DISSOLVED, RECOVERABLE, NG/L
19047	PCB C 182 + 187 W D	PCB, CONGENER 182 + 187, WATER, DISSOLVED, RECOVERABLE, NG/ L
9048	PCB C 183 W DS	PCB, CONGENER 183, WATER, DISSOLVED, RECOVERABLE, NG/L
9049	PCB C 185 W DS	PCB, CONGENER 185, WATER, DISSOLVED, RECOVERABLE, NG/L
19050	PCB C 174 W DS	PCB, CONGENER 174, WATER, DISSOLVED, RECOVERABLE, NG/L
19051	PCB C 177 W DS	PCB, CONGENER 177, WATER, DISSOLVED, RECOVERABLE, NG/L
9052	PCB C 171 + 202 W D	PCB, CONGENER 171 + 202, WATER, DISSOLVED, RECOVERABLE, NG/ L
19053	PCB C 172 + 197 W D	PCB, CONGENER 172 + 197, WATER, DISSOLVED, RECOVERABLE, NG/ L
19054	PCB C 180 W DS	PCB, CONGENER 180, WATER, DISSOLVED, RECOVERABLE, NG/L
9055	PCB C 199 W DS	PCB, CONGENER 199, WATER, DISSOLVED, RECOVERABLE, NG/L
9056	PCB C 170 + 190 W D	PCB, CONGENER 170 + 190, WATER, DISSOLVED, RECOVERABLE, NG/ L
19057	PCB C 201 W DS	PCB, CONGENER 201, WATER, DISSOLVED, RECOVERABLE, NG/L
19058	PCB C 196 + 203 W D	PCB, CONGENER 196 + 203, WATER, DISSOLVED, RECOVERABLE, NG/ L

CODE	SHORTNAME	LONGNAME
19059	PCB C 195 + 208 W D	PCB, CONGENER 195 + 208, WATER, DISSOLVED, RECOVERABLE, NG/L
19060	PCB C 194 W DS	PCB, CONGENER 194, WATER, DISSOLVED, RECOVERABLE, NG/L
19061	PCB C 206 W DS	PCB, CONGENER 206, WATER, DISSOLVED, RECOVERABLE, NG/L
19065	PCB C 7 S SED	PCB, CONGENER 7, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19066	PCB C 6 S SED	PCB, CONGENER 6, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19067	PCB C 5 + 8 S SED	PCB, CONGENER 5 + 8, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19068	PCB C 19 S SED	PCB, CONGENER 19, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19069	PCB C 18 S SED	PCB, CONGENER 18, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19070	PCB C 17 S SED	PCB, CONGENER 17, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19071	PCB C 24 + 27 S SED	PCB, CONGENER 24 + 27, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19072	PCB C 16 + 32 S SED	PCB, CONGENER 16 + 32, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19073	PCB C 26 S SED	PCB, CONGENER 26, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19074	PCB C 28 + 31 S SED	PCB, CONGENER 28 + 31, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19075	PCB C 33 S SED	PCB, CONGENER 33, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19076	PCB C 22 S SED	PCB, CONGENER 22, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19077	PCB C 45 S SED	PCB, CONGENER 45, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19078	PCB C 46 S SED	PCB, CONGENER 46, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19079	PCB C 52 S SED	PCB, CONGENER 52, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19080	PCB C 49 S SED	PCB, CONGENER 49, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19081	PCB C 47 + 48 S SED	PCB, CONGENER 47 + 48, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19082	PCB C 44 S SED	PCB, CONGENER 44, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19083	PCB C 37 + 42 S SED	PCB, CONGENER 37 + 42, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19084	PCB C 41+64+71 S SE	PCB, CONGENER 41 + 64 + 71, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19085	PCB C 40 S SED	PCB, CONGENER 40, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19086	PCB C 74 S SED	PCB, CONGENER 74, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19087	PCB C 70 + 76 S SED	PCB, CONGENER 70 + 76, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19088	PCB C 66 + 95 S SED	PCB, CONGENER 66 + 95, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19089	PCB C 91 S SED	PCB, CONGENER 91, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19090	PCB C 56 + 60 S SED	PCB, CONGENER 56 + 60, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19091	PCB C 84 + 92 S SED	PCB, CONGENER 84 + 92, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19092	PCB C 101 S SED	PCB, CONGENER 101, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19093	PCB C 99 S SED	PCB, CONGENER 99, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19094	PCB C 97 S SED	PCB, CONGENER 97, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19095	PCB C 87 S SED	PCB, CONGENER 87, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19096	PCB C 85 S SED	PCB, CONGENER 85, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19097	PCB C 136 S SED	PCB, CONGENER 136, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19098	PCB C 77 + 110 S SE	PCB, CONGENER 77 + 110, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19099	PCB C 82 S SED	PCB, CONGENER 82, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19100	PCB C 151 S SED	PCB, CONGENER 151, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19101	PCB C 135+144 S SED	PCB, CONGENER 135 + 144, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19102	PCB C 149 S SED	PCB, CONGENER 149, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19103	PCB C 118 S SED	PCB, CONGENER 118, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19104	PCB C 146 S SED	PCB, CONGENER 146, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19105	PCB C 132+153 S SED	PCB, CONGENER 132 + 153, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19106	PCB C 141 S SED	PCB, CONGENER 141, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19107	PCB C 137+176 S SED	PCB, CONGENER 137 + 176, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19108	PCB C 138+163 S SED	PCB, CONGENER 138 + 163, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19109	PCB C 178 S SED	PCB, CONGENER 178, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19110	PCB C 182+187 S SED	PCB, CONGENER 182 + 187, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19111	PCB C 183 S SED	PCB, CONGENER 183, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19112	PCB C 185 S SED	PCB, CONGENER 185, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19113	PCB C 174 S SED	PCB, CONGENER 174, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19114	PCB C 177 S SED	PCB, CONGENER 177, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19115	PCB C 171+202 S SED	PCB, CONGENER 171 + 202, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19116	PCB C 172+197 S SED	PCB, CONGENER 172 + 197, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19117	PCB C 180 S SED	PCB, CONGENER 180, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19118	PCB C 199 S SED	PCB, CONGENER 199, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19119	PCB C 170+190 S SED	PCB, CONGENER 170 + 190, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19120	PCB C 201 S SED	PCB, CONGENER 201, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19121	PCB C 196+203 S SED	PCB, CONGENER 196 + 203, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19122	PCB C 195+208 S SED	PCB, CONGENER 195 + 208, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L

CODE	SHORTNAME	LONGNAME
19123	PCB C 194 S SED	PCB, CONGENER 194, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19124	PCB C 206 S SED	PCB, CONGENER 206, SEDIMENT, SUSPENDED, RECOVERABLE, NG/L
19503	POLONIUM 210 DISS.	POLONIUM 210 DISSOLVED (PCI/L)
19504	POLONIUM 210 DIS.C.E	POLONIUM 210 DISSOLVED, COUNTING ERROR (PCI/L)
19505	POLONIUM 210 SUSP.	POLONIUM 210 SUSPENDED (PCI/L)
19506	POLONIUM 210 SUS.C.E	POLONIUM 210 SUSPENDED, COUNTING ERROR (PCI/L)
19507	POLONIUM-210 SED,BM,	POLONIUM-210, SEDIMENT, BOTTOM MATERIAL, TOT, DRY WGT, PCI/G
22001	PLUTONIUM-238,DIS.	PLUTONIUM-238, WATER, DISSOLVED, (PCI/L)
22002	PLUTONIUM-238,DIS.C	PLUTONIUM-238, WATER, DISSOLVED, COUNTING ERROR, (PCI/L)
22010	PLUTONIUM-239,DIS.	PLUTONIUM-239, WATER, DISSOLVED, (PCI/L)
22011	PLUTONIUM-239,DIS.C	PLUTONIUM-239, WATER, DISSOLVED, COUNTING ERROR, (PCI/L)
22012	PLUTONIUM-238,WHOLE	PLUTONIUM-238, WATER, WHOLE, (PCI/L)
22013	PLUTONIUM-238,WH,CE	PLUTONIUM-238, WATER, WHOLE, COUNTING ERROR, (PCI/L)
22014	PLUTONIUM-239,WHOLE	PLUTONIUM-239, WATER, WHOLE, (PCI/L)
22015	PLUTONIUM-239,WH,CE	PLUTONIUM-239, WATER, WHOLE, COUNTING ERROR, (PCI/L)
22383	BISMUTH-214WAT.WH.	BISMUTH-214, WATER, WHOLE, PCI/L
22384	BISMUTH-214WAT.WH.C	BISMUTH-214, WATER, WHOLE, PCI/L
22501	THORIUM 232 TOTAL	THORIUM 232 TOTAL (PCI/L)
22502	THORIUM 232 TOT.C.E.	THORIUM 232 TOTAL, COUNTING ERROR (PCI/L)
22503	THORIUM/URANIUM RAT.	THORIUM / URANIUM, ISOTOPE RATIO
22601	URANIUM-238,WHOLE	URANIUM-238, WATER, WHOLE, (PCI/L)
22602	URANIUM 238,TOT.C.E.	URANIUM 238, TOTAL,COUNTING ERROR (PCI/L)
22603	URANIUM-238,DIS.	URANIUM-238, WATER, DISSOLVED, (PCI/L)
22604	URANIUM 238,DIS.C.E.	URANIUM 238, DISSOLVED, COUNTING ERROR (PCI/L)
22606	URANIUM-234,WHOLE	URANIUM-234, WATER, WHOLE, (PCI/L)
22607	URANIUM-234,WHOLE,C	URANIUM-234, WATER, WHOLE, COUNTING ERROR, (PCI/L)
22610	URANIUM-234,DIS.	URANIUM-234, WATER, DISSOLVED, (PCI/L)
22611	URANIUM-234,DIS.CE	URANIUM-234, WATER, DISSOLVED, COUNTING ERROR, (PCI/L)
22612	URANIUM-235,S,BM,T	URANIUM-235, SEDIMENT, BOTTOM MATERIAL, TOT, DRY WGT, PCI/G
22620	URANIUM-235, DIS	URANIUM-235, WATER, DISSOLVED, PCI/L
22622	URANIUM 235 TOTAL	URANIUM 235, WATER, WHOLE, TOTAL PCI/L
22623	URANIUM,W.D.C.ERR.	URANIUM, WATER, DISSOLVED, COUNTING ERROR IN UG/L
22624	URANIUM,W.WH.C.ERR.	URANIUM, WATER, WHOLE, COUNTING ERROR, IN UG/L
22703	URANIUM,NATURAL,DIS	URANIUM, NATURAL, WATER, DISSOLVED, UG/L
22705	U,NAT,SUSTOT	URANIUM, NATURAL, SUSPENDED TOTAL (UG/L AS U NATURAL)
22706	URANIUM, TOTAL	URANIUM, TOTAL (UG/L AS U3O8)
22707	U NAT TOTAL BTM	URANIUM NATURAL TOTAL IN BOTTOM MATERIL (UG/G)
26503	THORIUM 230,DIS.	THORIUM 230, DISSOLVED (PCI/L)
26504	THORIUM 230,DIS.C.E.	THORIUM 230, DISSOLVED, COUNTING ERROR (PCI/L)
26505	THORIUM 230,SUSP.	THORIUM 230, SUSPENDED (PCI/L)
26506	THORIUM 230,SUSP.C.E	THORIUM 230, SUSPENDED, COUNTING ERROR (PCI/L)
26507	THORIUM-230,SED,BM,T	THORIUM-230, SEDIMENT, BOTTOM MATERIAL, TOT, DRY WGT, PCI/G
26631	THORIUM-232,S,BM,T	THORIUM-232, SEDIMENT, BOTTOM MATERIAL, TOT, DRY WGT, PCI/G
27701	ZIRCONIUM-95,WHOLE	ZIRCONIUM-95, WATER, WHOLE, (PCI/L)
27702	ZIRCONIUM-95,WH,CE	ZIRCONIUM-95, WATER, WHOLE, COUNTING ERROR, (PCI/L)
27801	NIOBIUM-95,WHOLE	NIOBIUM-95, WATER, WHOLE, (PCI/L)
27802	NIOBIUM-95,WHOLE,CE	NIOBIUM-95, WATER, WHOLE, COUNTING ERROR, (PCI/L)
27901	RUTHENIUM-103,WHOLE	RUTHENIUM-103, WATER, WHOLE, (PCI/L)
27902	RUTHENIUM-103,WH,CE	RUTHENIUM-103, WATER, WHOLE, COUNTING ERROR, (PCI/L)
28001	RU106 TOTAL	RUTHENIUM 106, TOTAL (PCI/L)
28002	RU106 TOTAL CE	RUTHENIUM 106, TOTAL, COUNTING ERROR (PCI/L)
28004	CARBON 14 DISS.	CARBON 14 DISS APPARENT AGE (YEARS BP)
28005	RADIOCES DISS.	RADIOCESIUM DISS. (PCI/L AS CS-137)
28006	RADIOCES SUSP.	RADIOCESIUM SUSP. (PCI/L AS CS-137)
28007	RADIOCES TOTAL	RADIOCESIUM TOTAL (PCI/L AS CS-137)
28008	RADIORU DISS.	RADIORUTHENIUM DISS. (PCI/L AS RU-106)
28009	RADIORU SUSP.	RADIORUTHENIUM SUSP. (PCI/L AS RU-106)
28010	RADIORU TOTAL	RADIORUTHENIUM TOTAL (PCI/L AS RU-106)
28011	U NATURAL TOTAL	URANIUM NATURAL TOTAL (UG/L AS U)
28012	U NATURAL TOTAL	URANIUM NATURAL TOTAL (PCI/L AS U)
28013	U DISS ISOTOPE RATIO	URANIUM DISS. ISOTOPE RATIO (U-234/U-238)

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28014	URANIUM-234,S,BM,T	URANIUM-234, SEDIMENT, BOTTOM MATERIAL, TOT, DRY WGT, PCI/G
28016	URANIUM-238,S,BM,T	URANIUM-238, SEDIMENT, BOTTOM MATERIAL, TOT, DRY WGT, PCI/G
28301	IODINE-131,WHOLE	IODINE-131, WATER, WHOLE, (PCI/L)
28302	IODINE-131,WHOLE,CE	IODINE-131, WATER, WHOLE, COUNTING ERROR, (PCI/L)
28401	CS137 TOTAL	CESIUM 137, TOTAL (PCI/L)
28402	CS137 TOTAL CE	CESIUM 137, TOTAL, COUNTING ERROR (PCI/L)
28403	CS137 DISS	CESIUM 137, DISSOLVED (PCI/L)
28404	CS137 SUSTOT	CESIUM 137, SUSPENDED TOTAL (PCI/L)
28405	CS137 SUSTOT CE	CESIUM 137, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
28406	CS137 DISS CE	CESIUM 137, DISSOLVED, COUNTING ERROR (PCI/L)
28410	CS134 DISS	CESIUM 134, DISSOLVED (PCI/L)
28411	CS134 DISS CE	CESIUM 134, DISSOLVED, COUNTING ERROR (PCI/L)
28412	CS134 SUSTOT	CESIUM 134, SUSPENDED TOTAL (PCI/L)
28413	CS134 SUSTOT CE	CESIUM 134, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
28414	CS134 TOTAL	CESIUM 134, TOTAL (PCI/L)
28415	CS134 TOTAL CE	CESIUM 134, TOTAL, COUNTING ERROR (PCI/L)
28601	BARIUM-140,WAT.WH.	BARIUM-140, WATER, WHOLE, PCI/L
28602	BARIUM-140,WAT.WH.C	BARIUM-140, WATER, WHOLE, PCI/L
28701	LANTHANUM-140,WHOLE	LANTHANUM-140, WATER, WHOLE, (PCI/L)
28702	LANTHANUM-140,WH,CE	LANTHANUM-140, WATER, WHOLE, COUNTING ERROR, (PCI/L)
28801	CERIUM,WHOLE	CERIUM, WATER, WHOLE, (PCI/L)
28802	CERIUM,WHOLE,C.ERRO	CERIUM, WATER, WHOLE, COUNTING ERROR, (PCI/L)
28901	CE144 TOTAL	CERIUM 144, TOTAL (PCI/L)
28902	CE144 TOTAL CE	CERIUM 144, TOTAL, COUNTING ERROR (PCI/L)
29301	ZN65 TOTAL	ZINC 65, TOTAL (PCI/L)
29302	ZN65 TOTAL CE	ZINC 65, TOTAL, COUNTING ERROR (PCI/L)
29401	CHROMIUM-51 WAT. WH	CHROMIUM-51, WATER, WHOLE, (PCI/L)
29402	CHROMIUM-51 WAT.W.C	CHROMIUM-51, WATER, WHOLE, COUNTING ERROR, (PCI/L)
29501	MN54 TOTAL	MANGANESE 54, TOTAL (PCI/L)
29502	MN54 TOTAL CE	MANGANESE 54, TOTAL, COUNTING ERROR (PCI/L)
29601	CO60 TOTAL	COBALT 60, TOTAL (PCI/L)
29602	CO60 TOTAL CE	COBALT 60, TOTAL, COUNTING ERROR (PCI/L)
29631	SC46 DISS	SCANDIUM 46, DISSOLVED (PCI/L)
29632	SC46 DISS CE	SCANDIUM 46, DISSOLVED, COUNTING ERROR (PCI/L)
29633	SC46 SUSTOT	SCANDIUM 46, SUSPENDED TOTAL (PCI/L)
29634	SC46 SUSTOT CE	SCANDIUM 46, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
29635	SC46 TOTAL	SCANDIUM 46, TOTAL (PCI/L)
29636	SC46 TOTAL CE	SCANDIUM 46, TOTAL, COUNTING ERROR (PCI/L)
29801	ALKALINITY,D.FET,L.	ALKALINITY, WATER, DISSOLVED, FIXED ENDPOINT TITRATION, LAB, AS CACO3, MG/L
29802	ALKALINITY,W.D.GT,F	ALKALINITY, WATER, DISSOLVED, GRAN TITRATION, FIELD, AS CACO3, MG/L
29803	ALKALINITY,W.D.GT,L	ALKALINITY, WATER, DISSOLVED, GRAN TITRATION, LAB, AS CACO3, MG/L
29804	BICARBONATE,D.FET,F	BICARBONATE, WATER, DISSOLVED, FIXED ENDPOINT TITRATION, FIELD, AS HCO3
29805	BICARBONATE,D.FET,L	BICARBONATE, WATER, DISSOLVED, FIXED ENDPOINT TITRATION, LAB, AS HCO3
29806	BICARBONATE,D.IT,L.	BICARBONATE, WATER, DISSOLVED, INCREMENTAL TITRATION, LAB, AS HCO3
29807	CARBONATE,W.D.FET,F	CARBONATE, WATER, DISSOLVED, FIXED ENDPOINT TITRATION, FIELD, AS CO3
29808	CARBONATE,W.D.FET,L	CARBONATE, WATER, DISSOLVED, FIXED ENDPOINT TITRATION, LAB, AS CO3
29809	CARBONATE,W.D.IT,L.	CARBONATE, WATER, DISSOLVED, INCREMENTAL TITRATION, LAB, AS CO3
29810	HYDROXIDE,W.D.FET,F	HYDROXIDE, WATER, DISSOLVED, FIXED ENDPOINT TITRATION, FIELD, AS OH
29811	HYDROXIDE,W.D.FET,L	HYDROXIDE, WATER, DISSOLVED, FIXED ENDPOINT TITRATION, LAB, AS OH
29812	HYDROXIDE,W.D.IT,L.	HYDROXIDE, WATER, DISSOLVED, INCREMENTAL TITRATION, LAB, AS OH
29813	ALKALINITY,W.W.GT,F	ALKALINITY, WATER, WHOLE, GRAN TITRATION, FIELD, AS CACO3, MG/L
29814	ALUMINUM,SED.SUSP.	ALUMINUM, SEDIMENT, SUSPENDED, UG/G
29815	ALUMINUM,SOIL,RECOV	ALUMINUM, SOIL, RECOVERABLE, UG/G
29816	ANTIMONY,SED.SUSP.	ANTIMONY, SEDIMENT, SUSPENDED, UG/G
29817	ANTIMONY,SOIL,RECOV	ANTIMONY, SOIL, RECOVERABLE, UG/G
29818	ARSENIC,SED.SUSP.	ARSENIC, SEDIMENT, SUSPENDED, UG/G
29819	ARSENIC,SOIL,RECOV.	ARSENIC, SOIL, RECOVERABLE, UG/G
29820	BARIUM,SED.SUSP.	BARIUM, SEDIMENT, SUSPENDED, UG/G
29821	BARIUM,SOIL,RECOV.	BARIUM, SOIL, RECOVERABLE, UG/G
29822	BERYLLIUM,SED.SUSP.	BERYLLIUM, SEDIMENT, SUSPENDED, UG/G
29823	BERYLLIUM,SOIL,RECO	BERYLLIUM, SOIL, RECOVERABLE, UG/G

CODE	SHORTNAME	LONGNAME
29824	BORON,SED.SUSP.	BORON, SEDIMENT, SUSPENDED, UG/G
29825	BORON,SOIL,RECOV.	BORON, SOIL, RECOVERABLE, UG/G
29826	CADMUM,SED.SUSP.	CADMUM, SEDIMENT, SUSPENDED, UG/G
29827	CADMUM,SOIL,RECOV.	CADMUM, SOIL, RECOVERABLE, UG/G
29828	CALCIUM,SOIL,RECOV.	CALCIUM, SOIL, RECOVERABLE, MG/KG
29829	CHROMIUM,SED.SUSP.	CHROMIUM, SEDIMENT, SUSPENDED, UG/G
29830	CHROMIUM,SOIL,RECOV	CHROMIUM, SOIL, RECOVERABLE, UG/G
29831	COBALT,SOIL,RECOV.	COBALT, SOIL, RECOVERABLE, UG/G
29832	COPPER,SED.SUSP.	COPPER, SEDIMENT, SUSPENDED, UG/G
29833	COPPER,SOIL,RECOV.	COPPER, SOIL, RECOVERABLE, UG/G
29834	IRON,SED.SUSP.	IRON, SEDIMENT, SUSPENDED, UG/G
29835	IRON,SOIL,RECOV.	IRON, SOIL, RECOVERABLE, UG/G
29836	LEAD,SED.SUSP.	LEAD, SEDIMENT, SUSPENDED, UG/G
29837	LEAD,SOIL,RECOV.	LEAD, SOIL RECOVERABLE, UG/G
29838	MAGNESIUM,SOIL,RECO	MAGNESIUM, SOIL, RECOVERABLE, MG/KG
29839	MANGANESE,SED.SUSP.	MANGANESE, SEDIMENT, SUSPENDED, UG/G
29840	MANGANESE,SOIL,RECO	MANGANESE, SOIL, RECOVERABLE, UG/G
29841	MERCURY,SED.SUSP.	MERCURY, SEDIMENT, SUSPENDED, UG/G
29842	MERCURY,SOIL,RECOV.	MERCURY, SOIL, RECOVERABLE, UG/G
29843	MOLYBDENUM,SED.SUSP	MOLYBDENUM, SEDIMENT, SUSPENDED, UG/G
29844	MOLYBDENUM,SOIL,REC	MOLYBDENUM, SOIL, RECOVERABLE, UG/G
29845	NICKEL,SED.SUSP.	NICKEL, SEDIMENT, SUSPENDED, UG/G
29846	NICKEL,SOIL,RECOV.	NICKEL, SOIL, RECOVERABLE, UG/G
29847	SELENIUM,SED.SUSP.	SELENIUM, SEDIMENT, SUSPENDED, UG/G
29848	SELENIUM,SOIL,RECOV	SELENIUM, SOIL, RECOVERABLE, UG/G
29849	SILICON,SOIL,RECOV.	SILICON, SOIL, RECOVERABLE, MG/KG
29850	SILVER,SED.SUSP.	SILVER, SEDIMENT, SUSPENDED, UG/G
29851	SODIUM,SOIL,RECOV.	SODIUM, SOIL, RECOVERABLE, UG/G
29852	THALLIUM,SOIL,RECOV	THALLIUM, SOIL, RECOVERABLE, UG/G
29853	VANADIUM,SED.SUSP.	VANADIUM, SEDIMENT, SUSPENDED, UG/G
29854	VANADIUM,SOIL,RECOV	VANADIUM, SOIL, RECOVERABLE, UG/G
29855	ZINC,SED.SUSP.	ZINC, SEDIMENT, SUSPENDED, UG/G
29856	ZINC,SOIL,RECOV.	ZINC, SOIL, RECOVERABLE, UG/G
29857	ACTINIUM-228 W.WH	ACTINIUM-228, WATER, WHOLE, PCI/L
29858	ACTINIUM-228 W.W.C	ACTINIUM-228, WATER, WHOLE, COUNTING ERROR, PCI/L
29859	ACTINIUM-228 W.DI	ACTINIUM-228, WATER, DISSOLVED, PCI/L
29860	ACTINIUM-228 W.D.C	ACTINIUM-228, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29861	SILVER-108 W.WH	SILVER-108, WATER, WHOLE, PCI/L
29862	SILVER-108 W.W.C	SILVER-108, WATER, WHOLE, COUNTING ERROR, PCI/L
29863	SILVER-108 W.DI	SILVER-108, WATER, DISSOLVED, PCI/L
29864	SILVER-108 W.D.C	SILVER-108, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29865	AMERICIUM-241 W.WH	AMERICIUM-241, WATER, WHOLE, PCI/L
29866	AMERICIUM-241 W.W.C	AMERICIUM-241, WATER, WHOLE, COUNTING ERROR, PCI/L
29867	AMERICIUM-241 W.DI	AMERICIUM-241, WATER, DISSOLVED, PCI/L
29868	AMERICIUM-241 W.D.C	AMERICIUM-241, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29869	BARIUM-140 W.DI	BARIUM-140, WATER, DISSOLVED, PCI/L
29870	BARIUM-140 W.D.C	BARIUM-140, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29871	BERYLLIUM-7 W.WH	BERYLLIUM-7, WATER, WHOLE, PCI/L
29872	BERYLLIUM-7 W.W.C	BERYLLIUM-7, WATER, WHOLE, COUNTING ERROR, PCI/L
29873	BERYLLIUM-7 W.DI	BERYLLIUM-7, WATER, DISSOLVED, PCI/L
29874	BERYLLIUM-7 W.D.C	BERYLLIUM-7, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29875	BISMUTH-214 W.DI	BISMUTH-214, WATER, DISSOLVED, PCI/L
29876	BISMUTH-214 W.D.C	BISMUTH-214, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29877	CERIUM-141 W.DI	CERIUM-141, WATER, DISSOLVED, PCI/L
29878	CERIUM-141 W.D.C	CERIUM-141, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29879	CURIUM-242 W.WH	CURIUM-242, WATER, WHOLE, PCI/L
29880	CURIUM-242 W.W.C	CURIUM-242, WATER, WHOLE, COUNTING ERROR, PCI/L
29881	CURIUM-242 W.DI	CURIUM-242, WATER, DISSOLVED, PCI/L
29882	CURIUM-242 W.D.C	CURIUM-242, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29883	CURIUM-244 W.WH	CURIUM-244, WATER, WHOLE, PCI/L
29884	CURIUM-244 W.W.C	CURIUM-244, WATER, WHOLE, COUNTING ERROR, PCI/L

CODE	SHORTNAME	LONGNAME
29885	CURIUM-244 W.DI	CURIUM-244, WATER, DISSOLVED, PCI/L
29886	CURIUM-244 W.D.C	CURIUM-244, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29887	COBALT-57 W.WH	COBALT-57, WATER, WHOLE, PCI/L
29888	COBALT-57 W.W.C	COBALT-57, WATER, WHOLE, COUNTING ERROR, PCI/L
29889	COBALT-57 W.DI	COBALT-57, WATER, DISSOLVED, PCI/L
29890	COBALT-57 W.D.C	COBALT-57, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29891	COBALT-58 W.WH	COBALT-58, WATER, WHOLE, PCI/L
29892	COBALT-58 W.W.C	COBALT-58, WATER, WHOLE, COUNTING ERROR, PCI/L
29893	COBALT-58 W.DI	COBALT-58, WATER, DISSOLVED, PCI/L
29894	COBALT-58 W.D.C	COBALT-58, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29895	CHROMIUM-51 W.DI	CHROMIUM-51, WATER, DISSOLVED, PCI/L
29896	CHROMIUM-51 W.D.C	CHROMIUM-51, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29897	CESIUM-144 W.WH	CESIUM-144, WATER, WHOLE, PCI/L
29898	CESIUM-144 W.W.C	CESIUM-144, WATER, WHOLE, COUNTING ERROR, PCI/L
29899	CESIUM-144 W.DI	CESIUM-144, WATER, DISSOLVED, PCI/L
29900	CESIUM-144 W.D.C	CESIUM-144, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29901	EUROPIUM-155 W.WH	EUROPIUM-155, WATER, WHOLE, PCI/L
29902	EUROPIUM-155 W.W.C	EUROPIUM-155, WATER, WHOLE, COUNTING ERROR, PCI/L
29903	EUROPIUM-155 W.DI	EUROPIUM-155, WATER, DISSOLVED, PCI/L
29904	EUROPIUM-155 W.D.C	EUROPIUM-155, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29905	HAFNIUM-175 W.WH	HAFNIUM-175, WATER, WHOLE, PCI/L
29906	HAFNIUM-175 W.W.C	HAFNIUM-175, WATER, WHOLE, COUNTING ERROR, PCI/L
29907	HAFNIUM-175 W.DI	HAFNIUM-175, WATER, DISSOLVED, PCI/L
29908	HAFNIUM-175 W.D.C	HAFNIUM-175, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29909	HAFNIUM-181 W.WH	HAFNIUM-181, WATER, WHOLE, PCI/L
29910	HAFNIUM-181 W.W.C	HAFNIUM-181, WATER, WHOLE, COUNTING ERROR, PCI/L
29911	HAFNIUM-181 W.DI	HAFNIUM-181, WATER, DISSOLVED, PCI/L
29912	HAFNIUM-181 W.D.C	HAFNIUM-181, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29913	IODINE-129 W.DI	IODINE-129, WATER, DISSOLVED, PCI/L
29914	IODINE-129 W.D.C	IODINE-129, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29915	IODINE-131 W.DI	IODINE-131, WATER, DISSOLVED, PCI/L
29916	IODINE-131 W.D.C	IODINE-131, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29917	IODINE-133 W.WH	IODINE-133, WATER, WHOLE, PCI/L
29918	IODINE-133 W.W.C	IODINE-133, WATER, WHOLE, COUNTING ERROR, PCI/L
29919	IODINE-133 W.DI	IODINE-133, WATER, DISSOLVED, PCI/L
29920	IODINE-133 W.D.C	IODINE-133, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29921	LANTHANUM-140 W.DI	LANTHANUM-140, WATER, DISSOLVED, PCI/L
29922	LANTHANUM-140 W.D.C	LANTHANUM-140, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29923	MOLYBDENUM-95 W.WH	MOLYBDENUM-95, WATER, WHOLE, PCI/L
29924	MOLYBDENUM-95 W.W.C	MOLYBDENUM-95, WATER, WHOLE, COUNTING ERROR, PCI/L
29925	MOLYBDENUM-95 W.DI	MOLYBDENUM-95, WATER, DISSOLVED, PCI/L
29926	MOLYBDENUM-95 W.D.C	MOLYBDENUM-95, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29927	MOLYBDENUM-99 W.WH	MOLYBDENUM-99, WATER, WHOLE, PCI/L
29928	MOLYBDENUM-99 W.W.C	MOLYBDENUM-99, WATER, WHOLE, COUNTING ERROR, PCI/L
29929	MOLYBDENUM-99 W.DI	MOLYBDENUM-99, WATER, DISSOLVED, PCI/L
29930	MOLYBDENUM-99 W.D.C	MOLYBDENUM-99, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29931	SODIUM-24 W.WH	SODIUM-24, WATER, WHOLE, PCI/L
29932	SODIUM-24 W.W.C	SODIUM-24, WATER, WHOLE, COUNTING ERROR, PCI/L
29933	SODIUM-24 W.DI	SODIUM-24, WATER, DISSOLVED, PCI/L
29934	SODIUM-24 W.D.C	SODIUM-24, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29935	NIOBIUM-95 W.DI	NIOBIUM-95, WATER, DISSOLVED, PCI/L
29936	NIOBIUM-95 W.D.C	NIOBIUM-95, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29937	NEODYMIUM-147 W.WH	NEODYMIUM-147, WATER, WHOLE, PCI/L
29938	NEODYMIUM-147 W.W.C	NEODYMIUM-147, WATER, WHOLE, COUNTING ERROR, PCI/L
29939	NEODYMIUM-147 W.DI	NEODYMIUM-147, WATER, DISSOLVED, PCI/L
29940	NEODYMIUM-147 W.D.C	NEODYMIUM-147, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29941	NEPTUNIUM-239 W.WH	NEPTUNIUM-239, WATER, WHOLE, PCI/L
29942	NEPTUNIUM-239 W.W.C	NEPTUNIUM-239, WATER, WHOLE, COUNTING ERROR, PCI/L
29943	NEPTUNIUM-239 W.DI	NEPTUNIUM-239, WATER, DISSOLVED, PCI/L
29944	NEPTUNIUM-239 W.D.C	NEPTUNIUM-239, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29945	LEAD-212 W.DI	LEAD-212, WATER, DISSOLVED, PCI/L

CODE	SHORTNAME	LONGNAME
29946	LEAD-212 W.D.C	LEAD-212, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29947	LEAD-214 W.DI	LEAD-214, WATER, DISSOLVED, PCI/L
29948	LEAD-214 W.D.C	LEAD-214, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29949	PLUTONIUM-239/240,W	PLUTONIUM-239/240, WATER, WHOLE, ACTIVITY, RATIO
29950	PLUTONIUM239/240,WC	PLUTONIUM-239/240, WATER, WHOLE, COUNTING ERROR, ACTIVITY,R ATIO
29951	PLUTONIUM-239/240,W	PLUTONIUM-239/240, WATER, DISSOLVED, ACTIVITY, RATIO
29952	PLUTONIUM239/240,DC	PLUTONIUM-239/240, WATER, DISSOLVED, COUNTING ERROR, ACTIVITY, RATIO
29953	RUTHENIUM-103 W.DI	RUTHENIUM-103, WATER, DISSOLVED, PCI/L
29954	RUTHENIUM-103 W.D.C	RUTHENIUM-103, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29955	ANTIMONY-124 W.WH	ANTIMONY-124, WATER, WHOLE, PCI/L
29956	ANTIMONY-124 W.W.C	ANTIMONY-124, WATER, WHOLE, COUNTING ERROR, PCI/L
29957	ANTIMONY-124 W.DI	ANTIMONY-124, WATER, DISSOLVED, PCI/L
29958	ANTIMONY-124 W.D.C	ANTIMONY-124, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29959	ANTIMONY-125 W.WH	ANTIMONY-125, WATER, WHOLE, PCI/L
29960	ANTIMONY-125 W.W.C	ANTIMONY-125, WATER, WHOLE, COUNTING ERROR, PCI/L
29961	ANTIMONY-125 W.DI	ANTIMONY-125, WATER, DISSOLVED, PCI/L
29962	ANTIMONY-125 W.D.C	ANTIMONY-125, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29963	STRONTIUM-91 W.WH	STRONTIUM-91, WATER, WHOLE, PCI/L
29964	STRONTIUM-91 W.W.C	STRONTIUM-91, WATER, WHOLE, COUNTING ERROR, PCI/L
29965	STRONTIUM-91 W.DI	STRONTIUM-91, WATER, DISSOLVED, PCI/L
29966	STRONTIUM-91 W.D.C	STRONTIUM-91, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29967	TECHNETIUM-99,WAT.W	TECHNETIUM-99, WATER, WHOLE, METASTABLE, PCI/L
29968	TECHNETIUM-99,W.WHC	TECHNETIUM-99, WATER, WHOLE, METASTABLE, COUNTING ERROR, PCI/L
29969	TECHNETIUM-99,WATDI	TECHNETIUM-99, WATER, DISSOLVED, METASTABLE, PCI/L
29970	TECHNETIUM-99,W.D.C	TECHNETIUM-99, WATER, DISSOLVED, METASTABLE, COUNTING ERROR, PCI/L
29971	TELLURIUM-128 W.WH	TELLURIUM-128, WATER, WHOLE, PCI/L
29972	TELLURIUM-128 W.W.C	TELLURIUM-128, WATER, WHOLE, COUNTING ERROR, PCI/L
29973	TELLURIUM-128 W.DI	TELLURIUM-128, WATER, DISSOLVED, PCI/L
29974	TELLURIUM-128 W.D.C	TELLURIUM-128, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29975	TELLURIUM-132 W.WH	TELLURIUM-132, WATER, WHOLE, PCI/L
29976	TELLURIUM-132 W.W.C	TELLURIUM-132, WATER, WHOLE, COUNTING ERROR, PCI/L
29977	TELLURIUM-132 W.DI	TELLURIUM-132, WATER, DISSOLVED, PCI/L
29978	TELLURIUM-132 W.D.C	TELLURIUM-132, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29979	THALLIUM-208 W.WH	THALLIUM-208, WATER, WHOLE, PCI/L
29980	THALLIUM-208 W.W.C	THALLIUM-208, WATER, WHOLE, COUNTING ERROR, PCI/L
29981	THALLIUM-208 W.DI	THALLIUM-208, WATER, DISSOLVED, PCI/L
29982	THALLIUM-208 W.D.C	THALLIUM-208, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29983	XENON-135 W.WH	XENON-135, WATER, WHOLE, PCI/L
29984	XENON-135 W.W.C	XENON-135, WATER, WHOLE, COUNTING ERROR, PCI/L
29985	XENON-135 W.DI	XENON-135, WATER, DISSOLVED, PCI/L
29986	XENON-135 W.D.C	XENON-135, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29987	YTTRIUM-91,WAT.WH.	YTTRIUM-91, WATER, WHOLE, METASTABLE, PCI/L
29988	YTTRIUM-91,WAT.WH.C	YTTRIUM-91, WATER, WHOLE, METASTABLE, COUNTING ERROR, PCI/L
29989	YTTRIUM-91,WAT.DIS.	YTTRIUM-91, WATER, DISSOLVED, METASTABLE, PCI/L
29990	YTTRIUM-91,W.DIS.CE	YTTRIUM-91, WATER, DISSOLVED, METASTABLE, COUNTING ERROR, PCI/L
29991	ZIRCONIUM-95 W.DI	ZIRCONIUM-95, WATER, DISSOLVED, PCI/L
29992	ZIRCONIUM-95 W.D.C	ZIRCONIUM-95, WATER, DISSOLVED, COUNTING ERROR, PCI/L
29993	METHYLAZINPHOSOIL,	METHYLAZINPHOS, SOIL, RECOVERABLE, MG/KG
29994	BOLSTAR SOIL,	BOLSTAR, SOIL, RECOVERABLE, MG/KG
29995	CHLORPYRIFOS SOIL,	CHLORPYRIFOS, SOIL, RECOVERABLE, MG/KG
29996	COUMAPHOS SOIL,	COUMAPHOS, SOIL, RECOVERABLE, MG/KG
29997	DEMATION SOIL,	DEMATION, SOIL, RECOVERABLE, MG/KG
29998	DIAZINON SOIL,	DIAZINON, SOIL, RECOVERABLE, MG/KG
29999	DICHLORVOS SOIL,	DICHLORVOS,SOIL, RECOVERABLE, MG/KG
30000	DIMETHOATE SOIL,	DIMETHOATE, SOIL, RECOVERABLE, MG/KG
30001	DISULPHOTON SOIL,	DISULPHOTON, SOIL, RECOVERABLE, MG/KG
30002	EPN SOIL,	EPN, SOIL, RECOVERABLE, MG/KG
30003	ETHOPROP SOIL,	ETHOPROP, SOIL, RECOVERABLE, MG/KG
30004	FENSULFOOTHION WW	FENSULFOOTHION, WATER, WHOLE, RECOVERABLE, UG/L
30005	FENSULFOOTHION SOIL,	FENSULFOOTHION, SOIL, RECOVERABLE, MG/KG
30006	FENTHION WW	FENTHION, WATER, WHOLE, RECOVERABLE, UG/L

CODE	SHORTNAME	LONGNAME
30007	FENTHION SOIL,	FENTHION, SOIL, RECOVERABLE, MG/KG
30008	MALATHION SOIL,	MALATHION, SOIL, RECOVERABLE, MG/KG
30009	MERPHOS W WH REC	MERPHOS, WATER, WHOLE, RECOVERABLE, UG/L
30010	MERPHOS SOIL,	MERPHOS, SOIL, RECOVERABLE, MG/KG
30011	MEVINPHOS SOIL,	MEVINPHOS, SOIL, RECOVERABLE, MG/KG
30012	MONCCROTOPHOS SOIL,	MONOCROTOPHOS, SOIL, RECOVERABLE, MG/KG
30013	NALED SOIL,	NALED, SOIL, RECOVERABLE, MG/KG
30014	METHYLPARATHION SO.	METHYLPARATHION, SOIL, RECOVERABLE, MG/KG
30015	ETHYLPARATHIONSOIL,	ETHYLPARATHION, SOIL, RECOVERABLE, MG/KG
30016	PHORATE SOIL,	PHORATE, SOIL, RECOVERABLE, MG/KG
30017	RONNEL SOIL,	RONNEL, SOIL, RECOVERABLE, MG/KG
30018	STIOPHOS SOIL,	STIOPHOS, SOIL, RECOVERABLE, MG/KG
30019	SULFOTEPP SOIL,	SULFOTEPP, SOIL, RECOVERABLE, MG/KG
30020	TEPP SOIL,	TEPP, SOIL, RECOVERABLE, MG/KG
30021	TOKUTHION SOIL,	TOKUTHION, SOIL, RECOVERABLE, MG/KG
30022	TRICHLORONATE SOIL,	TRICHLORONATE, SOIL, RECOVERABLE, MG/KG
30023	2,4-D SOIL,	2,4-D, SOIL, RECOVERABLE, MG/KG
30024	2,4-DB SOIL,	2,4-DB, SOIL, RECOVERABLE, MG/KG
30025	2,4,5-T SOIL,	2,4,5-T, SOIL, RECOVERABLE, MG/KG
30026	2,4,5-TP SOIL,	2,4,5-TP, SOIL, RECOVERABLE, MG/KG
30027	DALAPON SOIL,	DALAPON, SOIL, RECOVERABLE, MG/KG
30028	DICAMBA SOIL,	DICAMBA, SOIL, RECOVERABLE, MG/KG
30029	DICHLORPROP SOIL,	DICHLORPROP, SOIL, RECOVERABLE, MG/KG
30030	DINOSEB SOIL,	DINOSEB, SOIL, RECOVERABLE, MG/KG
30031	MCPA SOIL,	MCPA, SOIL, RECOVERABLE, MG/KG
30032	MCPP SOIL,	MCPP, SOIL, RECOVERABLE, MG/KG
30033	HYD.CARBONS,P.SOIL,	HYDROCARBONS, PETROLEUM, SOIL, RECOVERABLE, MG/KG
30034	1,2DIBROMOETHANE S	1,2-DIBROMOETHANE, SOIL, RECOVERABLE, MG/KG
30035	1,2DIBR3CHLPROPANES	1,2-DIBROMO-3-CHLOROPROPAN SOIL, RECOVERABLE, MG/KG
30036	DUPLICATE OF 30094	DUPLICATE PARAMETER CODE, CHANGE TO 30094.
30037	DUPLICATE OF 30030	DUPLICATE PARAMETER CODE, CHANGE TO 30030
30038	2CHLOROPHENOL S	2-CHLOROPHENOL, SOIL, RECOVERABLE, MG/KG
30039	4CHL3METHPHENOL S	4-CHLORO-3-METHYLPHENOL, SOIL, RECOVERABLE, MG/KG
30040	CRESOL S	CRESOL, SOIL, RECOVERABLE, MG/KG
30041	2CYHEX4,6DINPHENOLS	2-CYCLOHEXYL-4,6-DINITRO- PHENOL, SOIL, RECOVERABLE, MG/KG
30042	2,4DICHLOROPHENOL S	2,4-DICHLOROPHENOL, SOIL, RECOVERABLE, MG/KG
30043	2,6DICHLOROPHENOL S	2,6-DICHLOROPHENOL, SOIL, RECOVERABLE, MG/KG
30044	2,4DIMETHYLPHENOL S	2,4-DIMETHYLPHENOL, SOIL, RECOVERABLE, MG/KG
30045	4,6DINIT.O-CRESOL S	4,6-DINITRO-O-CRESOL, SOIL, RECOVERABLE, MG/KG
30046	2,4DINITROPHENOL S	2-4-DINITROPHENOL, SOIL, RECOVERABLE, MG/KG
30047	2METH4,6DINPHENOLS	2-METHYL-4,6-DINITRO- PHENOL, SOIL, RECOVERABLE, MG/KG
30048	2NITROPHENOL S	2-NITROPHENOL, SOIL, RECOVERABLE, MG/KG
30049	4NITROPHENOL S	4-NITROPHENOL, SOIL, RECOVERABLE, MG/KG
30050	PENTACHLOROPHENOL S	PENTACHLOROPHENOL, SOIL, RECOVERABLE, MG/KG
30051	PHENOL S	PHENOL, SOIL, RECOVERABLE, MG/KG
30052	TRICHLOROPHENOLS S	TRICHLOROPHENOLS, SOIL, RECOVERABLE, MG/KG
30053	TETCHLOROPHENOLS S	TETRAZCHLOROPHENOLS, SOIL, RECOVERABLE, MG/KG
30054	2,4,6TRICHLPHENOL S	2,4,6-TRICHLOROPHENOL, SOIL, RECOVERABLE, MG/KG
30055	DUPLICATE OF 30040	DUPLICATE PARAMETER CODE, CHANGE TO 30040.
30056	BENZYLCHLORIDE S	BENZYLCHLORIDE, SOIL, RECOVERABLE, MG/KG
30057	2CHLETHOXYMETHANE S	BIS(2-CHLOROETHOXY)METHANE SOIL, RECOVERABLE, MG/KG
30058	2CHLISOPROPYLETHERS	BIS2-CHLOROISOPROPYL-ETHER SOIL, RECOVERABLE, MG/KG
30059	BROMOBENZENE S	BROMOBENZENE, SOIL, RECOVERABLE, MG/KG
30060	BROMODICHL METHANE S	BROMODICHLOROMETHANE, SOIL, RECOVERABLE, MG/KG
30061	BROMOFORM S	BROMOFORM, SOIL, RECOVERABLE, MG/KG
30062	BROMOMETHANE S	BROMOMETHANE, SOIL, RECOVERABLE, MG/KG
30063	CARBETETRACHLORIDE S	CARBON TETRACHLORIDE, SOIL, RECOVERABLE, MG/KG
30064	CHLACETALDEHYDE S	CHLOROACETALDEHYDE, SOIL, RECOVERABLE, MG/KG
30065	TRICHLACETALDEHYDES	TRICHLOROACETALDEHYDE, SOIL, RECOVERABLE, MG/KG
30067	CHLOROETHANE S	CHLOROETHANE, SOIL, RECOVERABLE, MG/KG
30068	CHLOROFORM S	CHLOROFORM, SOIL, RECOVERABLE, MG/KG

CODE	SHORTNAME	LONGNAME
30069	1CHLOROHEXANE S	1-CHLOROHEXANE, SOIL, RECOVERABLE, MG/KG
30070	2CHLETHVINYLEETHER S	2-CHLOROETHYLVINYLEETHER, SOIL, RECOVERABLE, MG/KG
30071	CHLOROMETHANE S	CHLOROMETHANE, SOIL, RECOVERABLE, MG/KG
30072	CHLMETHMETHETHER S	CHLOROMETHYL METHYLETHER, SOIL, RECOVERABLE, MG/KG
30073	2CHLOROTOLUENE S	2-CHLOROTOLUENE, SOIL, RECOVERABLE, MG/KG
30074	DIBRCHLOROMETHANE S	DIBROMOCHLOROMETHANE, SOIL, RECOVERABLE, MG/KG
30075	DIBROMOMETHANE S	DIBROMOMETHANE, SOIL, RECOVERABLE, MG/KG
30076	1,2DICHLBENZENE S	1,2-DICHLOROBENZENE, SOIL, RECOVERABLE, MG/KG
30077	1,3DICHLBENZENE S	1,3-DICHLOROBENZENE, SOIL, RECOVERABLE, MG/KG
30078	1,4DICHLBENZENE S	1,4-DICHLOROBENZENE, SOIL, RECOVERABLE, MG/KG
30079	DICHLDFLMETHANE S	DICHLORODIFLUOROMETHANE, SOIL, RECOVERABLE, MG/KG
30080	1,1DICHLETHANE S	1,1-DICHLOROETHANE, SOIL, RECOVERABLE, MG/KG
30081	1,2DICHLETHANE S	1,2-DICHLOROETHANE, SOIL, RECOVERABLE, MG/KG
30082	1,1DICHLETHENE S	1,1-DICHLOROETHENE, SOIL, RECOVERABLE, MG/KG
30083	1,2DICHLETHENE S	1,2-DICHLOROETHENE, SOIL, RECOVERABLE, MG/KG
30084	METHYLENECHLORIDE S	METHYLENECHLORIDE, SOIL, RECOVERABLE, MG/KG
30085	1,2DICHLPROPANE S	1,2-DICHLOROPROPANE, SOIL, RECOVERABLE, MG/KG
30086	1,3DICHLPROPENE,T S	1,3-DICHLOROPROPENE, TRANS SOIL, RECOVERABLE, MG/KG
30087	1,3DICHLPROPENE,C S	1,3-DICHLOROPROPENE, CIS, SOIL, RECOVERABLE, MG/KG
30088	1,1,2,2CHLETHANE S	1,1,2,2-TETRACHLOROETHANE, SOIL, RECOVERABLE, MG/KG
30089	1,1,1,2CHLETHANE S	1,1,1,2-TETRACHLOROETHANE, SOIL, RECOVERABLE, MG/KG
30090	TETRACHLOROETHENE S	TETRACHLOROETHENE, SOIL, RECOVERABLE, MG/KG
30091	1,1,1CHLOROETHANE S	1,1,1-TRICHLOROETHANE, SOIL, RECOVERABLE, MG/KG
30092	1,1,2CHLOROETHANE S	1,1,2-TRICHLOROETHANE, SOIL, RECOVERABLE, MG/KG
30093	TRICHLFLMETHANE S	TRICHLOROFUOROMETHANE, SOIL, RECOVERABLE, MG/KG
30094	1,2,3CHLOROPROPANES	1,2,3-TRICHLOROPROPANE, SOIL, RECOVERABLE, MG/KG
30095	VINYLCHLORIDE SOIL,	VINYLCHLORIDE, SOIL, RECOVERABLE, MG/KG
30096	BENZENE SOIL,	BENZENE, SOIL, RECOVERABLE, MG/KG
30097	CHLOROBENZENE SOIL,	CHLOROBENZENE, SOIL, RECOVERABLE, MG/KG
30098	ETHYLBENZENE SOIL,	ETHYLBENZENE, SOIL, RECOVERABLE, MG/KG
30099	TOLUENE SOIL,	TOLUENE, SOIL, RECOVERABLE, MG/KG
30100	XYLENE,META SOIL,	XYLENE, META, SOIL, RECOVERABLE, MG/KG
30101	XYLENE,ORTHO+PARA S	XYLENE, ORTHO + PARA, SOIL, RECOVERABLE, MG/KG
30102	ALDRIN SOIL,	ALDRIN, SOIL, RECOVERABLE, MG/KG
30103	PCB-1016 SOIL,	PCB-1016, SOIL, RECOVERABLE, MG/KG
30104	PCB-1221 SOIL,	PCB-1221, SOIL, RECOVERABLE, MG/KG
30105	PCB-1232 SOIL,	PCB-1232, SOIL, RECOVERABLE, MG/KG
30106	PCB-1242 SOIL,	PCB-1242, SOIL, RECOVERABLE, MG/KG
30107	PCB-1248 SOIL,	PCB-1248, SOIL, RECOVERABLE, MG/KG
30108	PCB-1254 SOIL,	PCB-1254, SOIL, RECOVERABLE, MG/KG
30109	PCB-1260 SOIL,	PCB-1260, SOIL, RECOVERABLE, MG/KG
30110	ALPHA-BHC SOIL,	ALPHA-BHC, SOIL, RECOVERABLE, MG/KG
30111	BETA-BHC SOIL,	BETA-BHC, SOIL, RECOVERABLE, MG/KG
30112	DELTA-BHC SOIL,	DELTA-BHC, SOIL, RECOVERABLE, MG/KG
30113	GAMMA-BHC SOIL,	GAMMA-BHC, SOIL, RECOVERABLE, MG/KG
30114	CHLORDANE SOIL,	CHLORDANE, SOIL, RECOVERABLE, MG/KG
30115	KEPONE SOIL,	KEPONE, SOIL, RECOVERABLE, MG/KG
30116	METHOXYCHLOR SOIL,	METHOXYCHLOR, SOIL, RECOVERABLE, MG/KG
30117	4,4'-DDD SOIL,	4,4'-DDD, SOIL, RECOVERABLE, MG/KG
30118	4,4'-DDE SOIL,	4,4'-DDE, SOIL, RECOVERABLE, MG/KG
30119	4,4'-DDT SOIL,	4,4'-DDT, SOIL, RECOVERABLE, MG/KG
30120	DIELDRIN SOIL,	DIELDRIN, SOIL, RECOVERABLE, MG/KG
30121	ENDOSULFAN I SOIL,	ENDOSULFAN I, SOIL, RECOVERABLE, MG/KG
30122	ENDOSULFAN II SOIL,	ENDOSULFAN II, SOIL, RECOVERABLE, MG/KG
30123	ENDOSULFANSULFATE S	ENDOSULFANSULFATE, SOIL, RECOVERABLE, MG/KG
30124	ENDRIN SOIL,	ENDRIN, SOIL, RECOVERABLE, MG/KG
30125	ENDRINALDEHYDE S	ENDRINALDEHYDE, SOIL, RECOVERABLE, MG/KG
30126	HEPTACHLOR SOIL,	HEPTACHLOR, SOIL, RECOVERABLE, MG/KG
30127	HEPTACHELOPOXIDE S	HEPTACHELOPOXIDE, SOIL, RECOVERABLE, MG/KG
30128	TOXAPHENE SOIL,	TOXAPHENE, SOIL, RECOVERABLE, MG/KG
30129	T1,2CHLOROETHANE S	TRANS-1,2-DICHLOROETHANE, SOIL, RECOVERABLE, MG/KG

CODE	SHORTNAME	LONGNAME
30130	1,3DCHLPROPANE SOIL	PROPANE, 1,3-DICHLORO-, SOIL, RECOVERABLE, MG/KG
30131	1,3DCHLPROPANE SOIL	PROPANE, 1,3-DICHLORO-, SOIL, RECOVERABLE, MG/KG
30132	TRICHLETHYLENE S	TRICHLOROETHYLENE, SOIL, RECOVERABLE, MG/KG
30133	ACETONE SOIL,	ACETONE, SOIL, RECOVERABLE, MG/KG
30134	CARBONDISULFIDE S	CARBONDISULFIDE, SOIL, RECOVERABLE, MG/KG
30135	2BUTANONE S	2-BUTANONE, SOIL, RECOVERABLE, MG/KG
30136	VINYLACETATE S	VINYLACETATE, SOIL, RECOVERABLE, MG/KG
30137	4METH2PENTANONE S	4-METHYL-2-PENTANONE, SOIL, RECOVERABLE, MG/KG
30138	2HEXANONE S	2-HEXANONE, SOIL, RECOVERABLE, MG/KG
30139	STYRENE S	STYRENE, SOIL, RECOVERABLE, MG/KG
30140	XYLENE,TOTAL S	XYLENE, TOTAL, SOIL, RECOVERABLE, MG/KG
30141	ACENAPHTHENE S	ACENAPHTHENE, SOIL, RECOVERABLE, MG/KG
30142	ANTHRACENE S	ANTHRACENE, SOIL, RECOVERABLE, MG/KG
30143	ANTHRACENE,BENZOA S	ANTHRACENE, BENZO(A), SOIL, RECOVERABLE, MG/KG
30144	FLUORANTHENE,B(B) S	FLUORANTHENE,BENZO(B), SOIL, RECOVERABLE, MG/KG
30145	FLUORANTHENE,B(K) S	FLUORANTHENE,BENZO(K), SOIL, RECOVERABLE, MG/KG
30146	PERYLENE,BENZOGHI S	PERYLENE, BENZO(GHI), SOIL, RECOVERABLE, MG/KG
30147	PYRENE,BENZO(A) S	PYRENE, BENZO(A), SOIL, RECOVERABLE, MG/KG
30148	BENZBUTPHTHALATE S	BENZYLBUTYLPHthalate, SOIL, RECOVERABLE, MG/KG
30149	4BRPHENPHENETHER S	4-BROMOPHENYLPHENYLETHER, SOIL, RECOVERABLE, MG/KG
30150	2CHLETHYLETHER S	BIS(2-CHLOROETHYL)ETHER, SOIL, RECOVERABLE, MG/KG
30151	2CHLNAPHTHALENE S	2-CHLORONAPHTHALENE, SOIL, RECOVERABLE, MG/KG
30152	4CHLPHENPHENETHER S	4-CHLOROPHENYLPHENYLETHER, SOIL, RECOVERABLE, MG/KG
30153	CHRYSENE S	CHRYSENE, SOIL, RECOVERABLE, MG/KG
30154	DIBENZANTHRACENE S	ANTHRACENE, DIBENZO(AH), SOIL, RECOVERABLE, MG/KG
30155	3,3CHLBENZIDINE S	3,3'-DICHLOROBENZIDINE, SOIL, RECOVERABLE, MG/KG
30156	DIETHLPHTHALATE S	DIETHYLPHthalate, SOIL, RECOVERABLE, MG/KG
30157	DIMETHLPHTHALATE S	DIMETHYLPHthalate, SOIL, RECOVERABLE, MG/KG
30158	DINBUTPHTHALATE S	DI-N-BUTYLPHthalate, SOIL, RECOVERABLE, MG/KG
30159	2,4NITROTOLUENE S	2,4-DINITROTOLUENE, SOIL, RECOVERABLE, MG/KG
30160	2,6NITROTOLUENE S	2,6-DINITROTOLUENE, SOIL, RECOVERABLE, MG/KG
30161	DINOCTPHTHALATE S	DI-N-OCTYLPHthalate, SOIL, RECOVERABLE, MG/KG
30162	2ETHIHEXPHTHALATE S	BIS(2-ETHYLHEXYL)PHthalate SOIL, RECOVERABLE, MG/KG
30163	FLUORANTHENE S	FLUORANTHENE, SOIL, RECOVERABLE, MG/KG
30164	FLUORENE S	FLUORENE, SOIL, RECOVERABLE, MG/KG
30165	HEXCHLOROBENZENE S	HEXACHLOROBENZENE, SOIL, RECOVERABLE, MG/KG
30166	HEXCHLBUTADIENE S	HEXACHLOROBUTADIENE, SOIL, RECOVERABLE, MG/KG
30167	HEXCHLCYPENTADIENES	HEXACHLOROCYCLOPETADIENE, SOIL, RECOVERABLE, MG/KG
30168	HEXCHLOROETHANE S	HEXACHLOROETHANE, SOIL, RECOVERABLE, MG/KG
30169	1,2,3-CD-PYRENE S	INDENO(1,2,3-CD)PYRENE, SOIL, RECOVERABLE, MG/KG
30170	ISOPHORONE S	ISOPHORONE, SOIL, RECOVERABLE, MG/KG
30171	NAPHTHALENE S	NAPHTHALENE, SOIL, RECOVERABLE, MG/KG
30172	NITROBENZENE S	NITROBENZENE, SOIL, RECOVERABLE, MG/KG
30173	N-NIDIMETHYLAMINE S	N-NITROSO-DIMETHYLAMINE, SOIL, RECOVERABLE, MG/KG
30174	N-NIDIPROPYLAMINE S	N-NITROSO-DI-N-PROPYLAMINE SOIL, RECOVERABLE, MG/KG
30175	N-NIDIPHENYLAMINE S	N-NITROSO-DIPHENYLAMINE, SOIL, RECOVERABLE, MG/KG
30176	PHENANTHRENE SOIL,	PHENANTHRENE, SOIL, RECOVERABLE, MG/KG
30177	PYRENE SOIL,	PYRENE, SOIL, RECOVERABLE, MG/KG
30178	1,2,4CHLBENZENE S	1,2,4-TRICHLOROBENZENE, SOIL, RECOVERABLE, MG/KG
30179	BENZIDINE SOIL,	BENZIDINE, SOIL, RECOVERABLE, MG/KG
30180	BENZYLALCOHOL SOIL,	BENZYLALCOHOL, SOIL, RECOVERABLE, MG/KG
30181	2METHYLPHENOL SOIL,	2-METHYLPHENOL, SOIL, RECOVERABLE, MG/KG
30182	4METHYLPHENOL SOIL,	4-METHYLPHENOL, SOIL, RECOVERABLE, MG/KG
30183	BENZOIC ACID SOIL,	BENZOIC ACID, SOIL, RECOVERABLE, MG/KG
30184	2METHNAPHTHALENE S	2-METHYNAPHTHALENE, SOIL, RECOVERABLE, MG/KG
30185	2,4,5CHLOROPHENOL S	2,4,5-TRICHLOROPHENOL, SOIL, RECOVERABLE, MG/KG
30186	2NITROANILINE SOIL,	2-NITROANILINE, SOIL, RECOVERABLE, MG/KG
30187	3NITROANILINE SOIL,	3-NITROANILINE, SOIL, RECOVERABLE, MG/KG
30188	DIBENZOFURAN SOIL,	DIBENZOFURAN, SOIL, RECOVERABLE, MG/KG
30189	4NITROANILINE SOIL,	4-NITROANILINE, SOIL, RECOVERABLE, MG/KG
30190	DICHLORPROP WW	DICHLORPROP, WATER, WHOLE, RECOVERABLE, UG/L

CODE	SHORTNAME	LONGNAME
30191	DINOSEB UNF REC	DINOSEB, WATER, UNFILTERED, RECOVERABLE, UG/L
30192	MCPA UNF REC	MCPA, WATER, UNFILTERED, RECOVERABLE, UG/L
30193	MCPP WW	MCPP, WATER, WHOLE, RECOVERABLE, UG/L
30194	2METHNAPHTHALENE WW	2-METHYLNAPHTHALENE, WATER, WHOLE, RECOVERABLE, UG/L
30195	2-NITROANILINE WW	2-NITROANILINE, WATER, WHOLE, RECOVERABLE, UG/L
30196	4-NITROANILINE WW	4-NITROANILINE, WATER, WHOLE, RECOVERABLE, UG/L
30197	2CHLETHVIN.ETHER WW	2-CHLOROETHYLVINYLEther, WATER, WHOLE, RECOVERABLE, UG/L
30198	1,3DICHLPROPANE WW	PROPANE, 1,3-DICHLORO-, WATER, WHOLE, RECOVERABLE, UG/L
30199	1,3DICHLPROPANE WW	PROPANE, 1,3-DICHLORO-, WATER, WHOLE, RECOVERABLE, UG/L
30200	DALAPON UNF REC	DALAPON, WATER, UNFILTERED, RECOVERABLE, UG/L
30201	CHLOROMETHANE WW	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE, UG/L
30202	BROMOMETHANE WW	BROMOMETHANE, WATER, WHOLE, RECOVERABLE, UG/L
30203	12DIBROMOETHANE U R	ETHANE, 1,2-DIBROMO-, WATER, UNFILTERED, RECOVERABLE, UG/L
30204	2METH4,6NITPHENOLWW	2-METHYL-4,6-DINITROPHENOL WATER, WHOLE, RECOVERABLE, UG/L
30205	TEMPERATURE,WOOD,FP	TEMPERATURE, WOOD, FIRE POTENTIAL, DEGREES FAHRENHEIT
30206	TEMPERATURE,WOOD,FP	TEMPERATURE, WOOD, FIRE POTENTIAL, DEGREES CENTIGRADE
30207	GAGE HEIGHT,AB.D.M.	GAGE HEIGHT, ABOVE DATUM, METERS
30208	DISCHARGE,CMS	DISCHARGE, CUBIC METER PER SECOND
30209	DISCHARGE,INST.CMS	DISCHARGE, INSTANTANEOUS, CUBIC METERS PER SECOND
30210	DEPTH TO WL,BEL.LSD	DEPTH TO WATER LEVEL, METERS BELOW LAND SURFACE DATUM
30211	ELEVATION,AB.NGVD	ELEVATION, ABOVE NATIONAL GEODETIC VERTICAL DATUM, METERS
30212	STAGE,SONIC RNG.DET	STAGE, SONIC RANGE DETERMINATION, FEET
30213	STAGE,SONIC RNG.DET	STAGE, SONIC RANGE DETERMINATION, METERS
30214	PRESSURE,REL.MAN.TN	PRESSURE, RELATIVE, MANOMETER TANK, COUNT
30215	SIGNAL,SED.MARKLAND	SIGNAL, SEDIMENT, MARKLAND METER, COUNT
30216	VOLTAGE,HAZ.TRIP.SW	VOLTAGE, HAZARD TRIP SWITCH, VOLTS
30217	DIBROMOMETHANE,W.W.R	DIBROMOMETHANE, WATER, WHOLE, RECOVERABLE, UG/L
30218	DICHLORVOS W WH REC	DICHLORVOS, WATER, WHOLE, RECOVERABLE, UG/L
30219	2,4-DB WW	2,4-DB, WATER, WHOLE, RECOVERABLE, UG/L
30220	ALUMINUM SED,BEDMAT	ALUMINUM, SEDIMENT, BED MATERIAL, PERCENT
30221	ALUMINUM SED,SUS PC	ALUMINUM, SEDIMENT, SUSPENDED, PERCENT
30222	ANTIMONY SED BEDMAT	ANTIMONY, SEDIMENT, BED MATERIAL, PERCENT
30223	ANTIMONY SED, SUSP	ANTIMONY, SEDIMENT, SUSPENDED, PERCENT
30224	ARSENIC SED,BEDMAT	ARSENIC, SEDIMENT, BED MATERIAL, PERCENT
30225	ARSENIC SED, BEDMAT	ARSENIC, SEDIMENT, SUSPENDED, PERCENT
30226	BARIUM SED,BEDMAT	BARIUM, SEDIMENT, BED MATERIAL, PERCENT
30227	'BARIUM SED, SUSP %'	BARIUM, SEDIMENT, SUSPENDED, PERCENT
30228	BERYLLIUM SED,BEDMA	BERYLLIUM, SEDIMENT, BED MATERIAL, PERCENT
30229	BERYLLIUM SED SUSP	BERYLLIUM, SEDIMENT, SUSPENDED, PERCENT
30230	BISMUTH SED,BEDMAT	BISMUTH, SEDIMENT, BED MATERIAL, PERCENT
30231	BISMUTH SED, SUSP	BISMUTH, SEDIMENT, SUSPENDED, PERCENT
30232	BORON SED,BEDMAT	BORON, SEDIMENT, BED MATERIAL, PERCENT
30233	'BORON SED, SUSP %'	BORON, SEDIMENT, SUSPENDED, PERCENT
30234	BROMACIL WTR, WHLRE	BROMACIL, WATER, WHOLE, RECOVERABLE, UG/L
30235	BUTACHLOR WTR WHLRE	BUTACHLOR, WATER, WHOLE, RECOVERABLE, UG/L
30236	BUTYRATE WTR, WHLRE	BUTYRATE, WATER, WHOLE, RECOVREABLE, UG/L
30237	CADMUM SED,BEDMAT	CADMUM, SEDIMENT, BED MATERIAL, PERCENT
30238	CADMIIM SED,SUSP	CADMIUM, SEDIMENT, SUSPENDED, PERCENT
30239	CALCIUM SED, BEDMAT	CALCIUM, SEDIMENT, BED MATERIAL, PERCENT
30240	CALCIUM SED,SUSP PC	CALCIUM, SEDIMENT, SUSPENDED, PERCENT
30241	CRB INRGSED,BEDMAT	CARBON, INORGANIC, SEDIMENT, BED MATERIAL, PERCENT
30242	CRB INRGSED,SUSP PC	CARBON, INORGANIC, SEDIMENT, SUSPENDED, PERCENT
30243	CRB ORG,SED BEDMAT	CARBON, ORGANIC, SEDIMENT, BED MATERIAL, PERCENT
30244	CRB SED,SUSP PCT	CARBON, SEDIMENT, SUSPENDED, PERCENT
30245	CARBON WTR, WHLRE	CARBON, WATER, WHOLE, RECOVERABLE, UG/L
30246	CERIUM SED, BEDMAT	CERIUM, SEDIMENT, BED MATERIAL PERCENT
30247	'CERIUM SED SUSP %'	CERIUM, SEDIMENT, SUSPENDED, PERCENT
30248	CHROMIUM BEDMAT	CHROMIUM, SEDIMENT, BED MATERIAL, PERCENT
30249	CHROMIUM SED, SUSP	CHROMIUM, SEDIMENT, SUSPENDED, PERCENT
30250	COBALT SED, BEDMAT	COBALT, SEDIMENT, BED MATERIAL, PERCENT
30251	COBALT SED,SUSP	COBALT, SEDIMENT, SUSPENDED, PERCENT

CODE	SHORTNAME	LONGNAME
30252	COPPER SED,BEDMAT	COPPER, SEDIMENT, BED MATERIAL, PERCENT
30253	'COPPER SED SUSP %'	COPPER SEDIMENT, SUSPENDED, PERCENT
30254	CYCLOATE WTR, WHLRE	CYCLOATE, WATER, WHOLE, RECOVERABLE, UG/L
30255	DIPHNAMEDWTR,WHLREC	DIPHENAMID, WATER, WHOLE, RECOVERABLE, UG/L
30256	EUROPIUM SED, BEDMA	EUROPIUM, SEDIMENT, BED MATERIAL, PERCENT
30257	EUROPIUM SED, SUSP	EUROPIUM, SEDIMENT, SUSPENDED, PERCENT
30258	GALLIUM SED,BEDMAT	GALLIUM, SEDIMENT, BED MATERIAL, PERCENT
30259	GALLIUM SED,SUSP	GALLIUM, SEDIMENT, SUSPENDED, PERCENT
30260	GERMANIUM SED BEDMA	GERMANIUM, SEDIMENT, BED MATERIAL PERCENT
30261	GERMANIUM SED SUSP	GERMANIUM, SEDIMENT, SUSPENDED, PERCENT
30262	'GOLD SED, BEDMAT, %'	GOLD, SEDIMENT, BED MATERIAL, PERCENT
30263	GOLD SED SUSP %	GOLD, SEDIMENT, SUSPENDED, PERCENT
30264	HEXAZINONE, WHREC	HEXAZINONE, WATER, WHOLE, RECOVERABLE, (UG/L)
30265	HOLMIUM SED,BEDMAT	HOLMIUM, SEDIMENT, BED MATERIAL, PERCENT
30266	HOLMIUM SED,SUSP	HOLMIUM, SEDIMENT, SUSPENDED, PERCENT
30267	ILLUMINATION,LUM/FT	ILLUMINATION, LUMEN/FT2
30268	IRON SED,BEDMAT PCT	IRON, SEDIMENT, BED MATERIAL, PERCENT
30269	IRON SED,SUP PCT	IRON, SEDIMENT, SUSPENDED, PERCENT
30270	LANTHANUM SED BEDMA	LANTHANUM, SEDIMENT, BED MATERIAL, PERCENT
30271	LANTHANMSED,SUSP	LANTHANUM, SEDIMENT SUSPENDED, PERCENT
30272	LEAD SED,BEDMAT UG/	LEAD, SEDIMENT, BED MATERIAL, UG/G
30273	LEAD, SED, SUSP %	LEAD, SEDIMENT, SUSPENDED, PERCENT
30274	LITHIUM SED,BEDMAT	LITHIUM, SEDIMENT, BED MATERIAL, UG/G
30275	LITHIUM SED,SUSP	LITHIUM, SEDIMENT, SUSPENDED, (UG/G)
30276	MAGNESIUM, BEDMAT	MAGNESIUM, SEDIMENT, BED MATERIAL, PERCENT
30277	MAGNESIUM SUSP PCT	MAGNESIUM, SEDIMENT, SUSPENDED, PERCENT
30278	MANGANESE BEDMAT	MANGANESE, SEDIMENT, BED MATERIAL, UG/G
30279	MANGANESE SED, SUSP	MANGANESE, SEDIMENT, SUSPENDED, (UG/G)
30280	MERCURY SED,BEDMAT	MERCURY, SEDIMENT, BED MATERIAL, UG/G
30281	MERCURY SED,SUSP	MERCURY, SEDIMENT, SUSPENDED, UG/G
30282	METHiocarb WTR WHL	METHiocarb, WATER, WHOLE, RECOVERABLE, (UG/L)
30283	MOLYBDENUM, BEDMAT	MOLYBDENUM, SEDIMENT, BED MATERIAL, UG/G
30284	MOLYBDENUM SED. SUS	MOLYBDENUM, SEDIMENT, SUSPENDED, UG/G
30285	NEODYMIUM SED BEDMA	NEODYMIUM, SEDIMENT, BED MATERIAL, UG/G
30286	NEODYMIUM SED. SUSP	NEODYMIUM, SEDIMENT, SUSPENDED, UG/G
30287	NICKEL SED,BEDMAT	NICKEL, SEDIMENT, BED MATERIAL, UG/G
30288	NICKEL SED,SUSP UG/	NICKEL, SEDIMENT, SUSPENDED, UG/G
30289	NIOBIUM SED,BEDMAT	NIOBIUM, SEDIMENT, BED MATERIAL, UG/G
30290	NIOBIUM SED,SUSP	NIOBIUM, SEDIMENT, SUSPENDED, UG/G
30291	PHOSPHORUS, BEDMAT	PHOSPHORUS SEDIMENT, BED MATERIAL, PERCENT
30292	PHOSPHORUS SED. SU	PHOSPHORUS SEDIMENT, SUSPENDED, PERCENT
30293	POTASSIUM, BEDMAT	POTASSIUM, SEDIMENT, BED MATERIAL, PERCENT
30294	POTASSIUM, SED. SUS	POTASSIUM, SEDIMENT, SUSPENDED, PERCENT
30295	PROPACHLOR WTR WHL R	PROPACHLOR, WATER, WHOLE, RECOVERABLE, UG/L
30296	PROPOUR, WTR WHLRE	PROPOUR, WATER, WHOLE, RECOVERABLE, UG/L
30297	SCANDIUM, SED. BED.	SCANDIUM, SEDIMENT, BED MATERIAL, UG/G
30298	SCANDIUM SED, SUSP.	SCANDIUM, SEDIMENT, SUSPENDED, UG/G
30299	SELENIUM SED BEDMAT	SELENIUM, SEDIMENT, BED MATERIAL, UG/G
30300	SELENIUM SED, SUSP.	SELENIUM, SEDIMENT, SUSPENDED, UG/G
30301	SILVER SED,BEDMAT	SILVER, SEDIMENT, BED MATERIAL, UG/G
30302	SILVER SED,SUSP UG/	SILVER, SEDIMENT, SUSPENDED, UG/G
30303	SODIUM SED,BEDMAT	SODIUM, SEDIMENT, BED MATERIAL, PERCENT
30304	SODIUM, SED,SUSP PCT	SODIUM SEDIMENT, SUSPENDED, PERCENT
30305	STRONTIUM BEDMAT	STRONTIUM, SEDIMENT, BED MATERIAL, (UG/L)
30306	STRONTIUM SED. SUSP	STRONTIUM, SEDIMENT, SUSPENDED, UG/G
30307	SULFUR SED,BEDMAT	SULFUR, SEDIMENT, BED MATERIAL, PERCENT
30308	SULFUR SED,SUSP PCT	SULFUR, SEDIMENT, SUSPENDED, PERCENT
30309	TANTALUM SED BEDMAT	TANTALUM, SEDIMENT, BED MATERIAL, UG/G
30310	TANTALUM SED SUSP.	TANTALUM, SEDIMENT, SUSPENDED, UG/G
30311	TERBACIL WTR WHLREC	TERBACIL, WATER, WHOLE, RECOVERABLE, UG/L
30312	THORIUM SED,BEDMAT	THORIUM, SEDIMENT, BED MATERIAL, UG/G

CODE	SHORTNAME	LONGNAME
30313	TRHORIUM SED,SUSP	THORIUM, SEDIMENT, SUSPENDED, UG/G
30314	TIN SED,BEDMAT,UG/G	TIN, SEDIMENT, BED MATERIAL, UG/G
30315	TIN, SED, SUSP, UG/G	TIN, SEDIMENT, SUSPENDED, (UG/L)
30316	TITANIUM SED, BEDMA	TITANIUM, SEDIMENT, BED MATERIAL, PERCENT
30317	TITANIUM SED SUSP.	TITANIUM, SEDIMENT, SUSPENDED, PERCENT
30318	TUNGSTEN SED, BEDMA	TUNGSTEN, SEDIMENT, BED MATERIAL, UG/G
30319	TUNGSTEN SED, SUSP.	TUNGSTEN, SEDIMENT, SUSPENDED, UG/G
30320	URANIUM SED,BEDMAT	URANIUM, SEDIMENT, BED MATERIAL, (UG/L)
30321	URANIUM SED,SUSP	URANIUM, SEDIMENT, SUSPENDED, UG/G
30322	VANADIUM SED BEDMAT	VANADIUM, SEDIMENT, BED MATERIAL, UG/G
30323	VANADIUM SED, SUSP.	VANADIUM, SEDIMENT, SUSPENDED, PERCENT
30324	VERNOLATE, WHLREC	VERNOLATE, WATER, WHOLE, RECOVERABLE, UG/L
30325	YTTERBIUM SED,BEDMA	YTTERBIUM, SEDIMENT, BED MATERIAL, UG/G
30326	YTTERBIUM SED. SUSP	YTTERBIUM, SEDIMENT, SUSPENDED, UG/G
30327	YTTRIUM SED,BEDMAT	YTTRIUM, SEDIMENT, BED MATERIAL, UG/G
30328	YTTRIUM SED. SUSP.	YTTRIUM, SEDIMENT, SUSPENDED, UG/G
30329	ZINC SED,BEDMAT UG/	ZINC, SEDIMENT, BED MATERIAL, UG/G
30330	ZINC, SED,SUSP,UG/G	ZINC, SEDIMENT, SUSPENDED, (UG/G)
30331	ZIRCONIUM SED BEDMA	ZIRCONIUM, SEDIMENT, BED MATERIAL, UG/G
30332	ZIRCONIUM SED. SUSP	ZIRCONIUM, SEDIMENT, SUSPENDED, UG/G
30333	BAG MESHIZ BDLD SMP	BAG MESH SIZE, BEDLOAD SAMPLER, MM
30334	SURFACE AREA,SEDSUS	SURFACE AREA, SEDIMENT, SUSPENDED, (M2/G)
30335	PCB DISSOLVED	PCB, TOTAL, WATER, DISSOLVED, RECOVERABLE, NANOGRAMS PER LITER
30341	P-CYMENE, REC.	P-CYMENE, WATER, WHOLE, RECOVERABLE, UG/L
30342	4-NITRO ANILINE REC	ANILINE, 4-NITRO, WATER, WHOLE, RECOVERABLE, UG/L
30343	4-CHLORO ANILINE REC	ANILINE, 4-CHLORO, WATER, WHOLE, RECOVERABLE, UG/L
31501	COLIFORM, TOTAL	COLIFORM, MEMBRANE FILTER, IMMEDIATE M-ENDO MEDIUM (COLONIES/100 ML)
31503	COLIFORM,M-ENDO-DEL	COLIFORM, MEMBRANE FILTER, DELAYED M-ENDO MEDIUM (COLONIES/100 ML)
31504	COLIFORM TOTAL IMM	COLIFORM TOTAL IMMED. MEM. FIL (COLS./100ML)
31505	COLIFORM CONFIRMED	COLIFORM, CONFIRMED (MPN)
31507	COLIFORM COMPLETE	COLIFORM, COMPLETE (MPN)
31613	FECAL COLIFORM	FECAL COLIFORM MEMBRANE FILTER, M-FC AGAR, 44.5C, 24HR.
31615	COLIFORM FECAL-EC	COLIFORM, FECAL, EC BROTH AT 44.5 DEG. C (MPN)
31616	COLIFORM, FECAL	COLIFORM, FECAL, MEMBRANE FILTER M-FC MEDIA AT 44.5 DEG. C (COLONIES/100 ML)
31617	COLIFORM FECAL-EIJK	COLIFORM, FECAL, EIJKMAN TEST AT 44.5 DEG. C (MPN)
31619	COLIFORM FECAL-BALB	COLIFORM, FECAL, BORIC ACID LACTOSE BROTH AT 43 DEG. C (MPN)
31625	COLIFORM FECAL 0.7	FECAL COLIFORM .7 UM-MF (COL./ 100 ML)
31633	E.COLI,UREASE,MF	E. COLI, WATER, WHOLE, TOTAL, THERMOTOL, MF, M-TEC, IN SITU,UREASE, COL / 100 ML
31648	E.COLI,MTEC,MF	E. COLI, MTEC, MEMBRANE FILTER, WATER, WHOLE, TOTAL (COL / 100 ML)
31649	ENTEROCOCCI,ME,MF	ENTEROCOCCI, ME, MEMBRANE FILTER, WATER, WHOLE, TOTAL (COL / 100 ML)
31673	FECAL STRPT KF AGAR	STREPTOCOCCI, FECAL, MEMBRANE FILTER, KF AGAR (COLONIES/100 ML)
31677	FECAL STRPT	STREPTOCOCCI, FECAL (MPN)
31678	FECAL STRPT TUBE	STREPTOCOCCI, FECAL, TUBE CONFIGURATION
31679	FECAL STRPT MF M-ENT	STREPTOCOCCI, FECAL, MEMBRANE FILTER, M-ENTEROCOCCUS AGAR (COLONIES/100 ML)
31751	BACTERIA TOT PCOUNT	PLATE COUNT, TOTAL, TPC AGAR, 35 DEG C., 24 HOURS (COLONIES/ML)
31854	BACTERIA NITR FIELD	BACTERIA, NITRIFYING (MPN)
31855	BACTERIA SULF-RDNG	BACTERIA, SULFATE REDUCING (MPN)
32000	VOLUME, SAMPLE (L)	SAMPLE VOLUME, LITERS
32001	SAMPLE SIZE GAL	SAMPLE SIZE (GALLONS)
32002	SAMPLE SIZE ML	SAMPLE SIZE (MILLILITRES)
32003	CARBON TOT EXTR	CARBON CHLOROFORM AND ALCOHOL EXTRACTABLES, TOTAL (UG/L)
32004	CARBON ALCO EXTR	CARBON ALCOHOL EXTRACTABLES (UG/L)
32005	CARBON CHLOR EXTR	CARBON CHLOROFORM EXTRACTABLES (UG/L)
32101	DICHLOBORBROMOMETHANE	DICHLOBORBROMOMETHANE TOTAL (UG/L)
32102	CARBONTETRACHLORIDE	CARBONTETRACHLORIDE TOTAL (UG/L)
32103	1,2-DICHLOROETHANE	1,2-DICHLOROETHANE TOTAL (UG/L)
32104	BROMOFORM TOTAL	BROMOFORM TOTAL (UG/L)
32105	CHLORODIBROMOMETHANE	CHLORODIBROMOMETHANE TOTAL (UG/L)
32106	CHLOROFORM TOTAL	CHLOROFORM TOTAL (UG/L)
32209	CHLOROPHYLL A FMMC	CHLOROPHYLL A FLUOROMETRIC METHOD CORR. (UG/L)
32210	CHLOROPHYLL A,TRICHR	CHLOROPHYLL A, WATER, WHOLE, TOTAL, TRICHROMATIC UNCORRECTED, UG/L

CODE	SHORTNAME	LONGNAME
32211	CHLORO-A-PHYTO-S.AM	CHLOROPHYLL A PHYTOPLANKTON, SPECTROPHOTOMETRIC ACID METHOD (UG/L)
32213	PHEOPHYTIN AFMM	PHEOPHYTIN A FLUOROMETRIC METHOD (UG/L)
32217	CHLOROPHYL METRIC	CHLOROPHYLAFLUROR- METRIC METHOD (UG/L)
32218	PHEO-PHYTO-S. AM	PHEOPHYTIN, PHYTOPLANKTON, SPECTROPHOTOMETRIC ACID METHOD (UG/L)
32223	CHLORO-A-PERI-SCOR	CHLOROPHYLL A, PERIPHYTON, SPECTROPHOTOMETRIC, CORRECTED (MG/SQ M)
32224	PHEO-PERI-SCOR	PHEOPHYTIN, PERIPHYTON, SPECTROPHOTOMETRIC, CORRECTED (MG/SQ M)
32225	CHLORO-PERI-SUCORR	CHLOROPHYLL, TOTAL, PERIPHYTON, SPECTROPHOTOMETRIC, UNCORRECTED (MG/SQ M)
32226	CHLORO-B-PERI-SUCORR	CHLOROPHYLL B, PERIPHYTON, SPECTROPHOTOMETRIC, UNCORRECTED (MG/SQ M)
32227	CHLORO-C-PERI-SUCORR	CHLOROPHYLL C, PERIPHYTON, SPECTROPHOTOMETRIC, UNCORRECTED (MG/SQ M)
32228	CHLORO-A-PERI-SUCORR	CHLOROPHYLL A, PERIPHYTON, SPECTROPHOTOMETRIC, UNCORRECTED (MG/SQ M)
32230	CHLORO-A-PHY-SUCORR	CHLOROPHYLL A, PHYTOPLANKTON, SPECTROPHOTOMETRIC, UNCORRECTED (UG/L)
32231	CHLORO-B-PHY-S	CHLOROPHYLL B, PHYTOPLANKTON, SPECTROPHOTOMETRIC (UG/L)
32232	CHLORO-C-PHY-S	CHLOROPHYLL C, PHYTOPLANKTON, SPECTROPHOTOMETRIC (UG/L)
32234	CHLORO-TOT-PHY-SUCOR	CHLOROPHYLL, TOTAL, PHYTOPLANKTON, SPECTROPHOTOMETRIC, UNCORRECTED (UG/L)
32240	TANNIN & LIGNIN	TANNIN AND LIGNIN (MG/L)
32730	PHENOLS, TOTAL	PHENOLS, TOTAL (UG/L)
32731	PHENOLICS	PHENOLICS (UG/KG)
32732	PHENOLICS DISS.	PHENOLICS DISSOLVED (UG/L)
32733	PHENOLICS SUSP.	PHENOLICS SUSPENDED (UG/L)
34010	TOLUENE, TOTAL	TOLUENE, TOTAL (UG/L)
34030	BENZENE, TOTAL	BENZENE, TOTAL (UG/L)
34200	ACENAPHTHYLENE TOT.	ACENAPHTHYLENE TOTAL (UG/L)
34201	ACENAPHTHYLENE DIS.	ACENAPHTHYLENE DISSOLVED (UG/L)
34202	ACENAPHTHYLENE SUS.	ACENAPHTHYLENE SUSPENDED (UG/L)
34203	ACENAPHTHYLENE BOT.	ACENAPHTHYLENE BOTTOM MATERIAL (UG/KG)
34205	ACENAPHTHENE TOT.	ACENAPHTHENE TOTAL (UG/L)
34206	ACENAPHTHENE DIS.	ACENAPHTHENE DISSOLVED (UG/L)
34207	ACENAPHTHENE SUSP.	ACENAPHTHENE SUSPENDED (UG/L)
34208	ACENAPHTHENE BOT.	ACENAPHTHENE, BOTTOM MATERIAL (UG/KG)
34210	ACROLEIN TOT.	ACROLEIN TOTAL (UG/L)
34211	ACROLEIN DISSOLVED	ACROLEIN DISSOLVED (UG/L)
34212	ACROLEIN SUSP.	ACROLEIN SUSPENDED (UG/L)
34213	ACROLEIN BOT. MAT.	ACROLEIN, BOTTOM MATERIAL (UG/KG)
34215	ACRYLONITRILE TOT.	ACRYLONITRILE TOTAL (UG/L)
34216	ACRYLONITRILE DIS.	ACRYLONITRILE DISSOLVED (UG/L)
34217	ACRYLONITRILE SUS.	ACRYLONITRILE SUSPENDED (UG/L)
34218	ACRYLONITRILE BOT.	ACRYLONITRILE, BOTTOM MATERIAL (UG/KG)
34220	ANTHRACENE TOT.	ANTHRACENE TOTAL (UG/L)
34221	ANTHRACENE DISS.	ANTHRACENE DISSOLVED (UG/L)
34222	ANTHRACENE SUSP.	ANTHRACENE SUSPENDED (UG/L)
34223	ANTHRACENE BOT. MAT.	ANTHRACENE, BOTTOM MATERIAL (UG/KG)
34225	ASBESTOS TOTAL	ASBESTOS (FIBROUS) TOTAL (UG/L)
34226	ASBESTOS DISSOLVED	ASBESTOS (FIBROUS) DISSOLVED (UG/L)
34227	ASBESTOS SUSP.	ASBESTOS (FIBROUS) SUSPENDED (UG/L)
34228	ASBESTOS BOT. MAT.	ASBESTOS (FIBROUS) BOTTOM MATERIAL (UG/KG)
34230	FLUORANTHENE,BZ.B.T	BENZO B FLUORANTHENE TOTAL (UG/L)
34231	FLUORANTHENE,BZ.B.D.	BENZO B FLUORANTHENE DISSOLVED (UG/L)
34232	FLUORANTHENE BZ.B.S.	BENZO B FLUORANTHENE SUSP. (UG/L)
34233	FLUORANTHENE BZ.B.B.	BENZO B FLUORANTHENE BOT. MAT (UG/KG)
34235	BENZENE DISS. (UG/L)	BENZENE DISSOLVED (UG/L)
34236	BENZENE SUSP. (UG/L)	BENZENE SUSPENDED (UG/L)
34237	BENZENE BOT. MAT.	BENZENE BOTTOM MATERIAL (UG/KG)
34239	BENZIDINE DISS.	BENZIDINE DISSOLVED (UG/L)
34240	BENZIDINE SUSP.	BENZIDINE SUSPENDED (UG/L)
34242	FLUORANTHENE BZ.K.T.	BENZO K FLUORANTHENE TOTAL (UG/L)
34243	FLUORANTHENE BZ.K.D.	BENZO K FLUORANTHENE DISSOLVED (UG/L)
34244	FLUORANTHENE BZ.K.S.	BENZO K FLUORANTHENE SUSPENDED (UG/L)
34245	FLUORANTHENE BZ.K.B.	BENZO K FLUORANTHENE BOTTOM MATERIAL (UG/KG)
34247	PYRENE BZ.A.T.	BENZO A PYRENE TOTAL (UG/L)
34248	PYRENE BZ.A.D.	BENZO A PYRENE DISSOLVED (UG/L)
34249	PYRENE BZ.A.S.	BENZO A PYRENE SUSPENDED (UG/L)

CODE	SHORTNAME	LONGNAME
34250	PYRENE BZ.A.B.	BENZO A PYRENE BOTTOM MATERIAL (UG/KG)
34253	ALPHA BHC	ALPHA BHC (UG/L)
34254	ALPHA BHC	ALPHA BHC (UG/L)
34255	HEXACHLORIDE,B.BZ.D.	BETA BENZENE HEXACHLORIDE DISSOLVED (UG/L)
34256	HEXACHLORIDE,B.BZ.S.	BETA BENZENE HEXACHLORIDE SUSPENDED (UG/L)
34257	HEXACHLORIDE,B.BZ.B.	BETA BENZENE HEXACHLORIDE BOTTOM MATERIAL (UG/KG)
34259	HEXACHLORIDE,D.BZ.T.	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L)
34260	HEXACHLORIDE,D.BZ.D.	DELTA BENZENE HEXACHLORIDE DISSOLVED (UG/L)
34261	HEXACHLORIDE,D.BZ.S.	DELTA BENZENE HEXACHLORIDE SUSPENDED (UG/L)
34262	HEXACHLORIDE,D.BZ.B.	DELTA BENZENE HEXACHLORIDE BOTTOM MATERIAL (UG/KG)
34267	BENZO(C)PYRENE	BENZO(C)PYRENE, TOTAL (UG/L)
34268	ETHER, BISS TOTAL	BIS (CHLORO METHYL) ETHER TOTAL (UG/L)
34269	ETHER, BISS DISS.	BIS (CHLORO METHYL) ETHER DISSOLVED (UG/L)
34270	ETHER, BISS SUSP.	BIS (CHLORO METHYL) ETHER SUSPENDED (UG/L)
34271	ETHER,BISS BOT.MAT.	BIS (CHLORO METHYL) ETHER BOTTOM MATERIAL (UG/KG)
34273	CHLOROETHYL.ETHER T	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)
34274	CHLOROETHYL.ETHER D	BIS 2-CHLOROETHYL ETHER DISSOLVED (UG/L)
34275	CHLOROETHYL.ETHER S	BIS (2-CHLOROETHYL) ETHER SUSPENDED (UG/L)
34276	CHLOROETHYL.ETHER B	BIS (2-CHLOROETHYL) ETHER BOTTOM MATERIAL (UG/KG)
34278	CHLOROETHOXY M. TOT.	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)
34279	CHLOROETHOXY M. DIS.	BIS (2-CHLOROETHOXY) METHANE DISSOLVED (UG/L)
34280	CHLOROETHOXY M. SUS.	BIS (2-CHLOROETHOXY) METHANE SUSPENDED (UG/L)
34281	CHLOROETHOXY M. BOT.	BIS (2-CHLOROETHOXY) METHANE BOTTOM MATERIAL (UG/KG)
34283	BIS (2-CHLOROISO.) E	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)
34284	BIS (2-CHLOROISO.) E	BIS (2-CHLOROISOPROPYL) ETHER DISSOLVED (UG/L)
34285	BIS (2-CHLOROISO.) E	BIS (2-CHLOROISOPROPYL) ETHER SUSPENDED (UG/L)
34286	BIS (2-CHLOROISO.) E	BIS (2-CHLOROISOPROPYL) ETHER BOTTOM MATERIAL (UG/KG)
34288	BROMOFORM DISSOLVED	BROMOFORM DISSOLVED (UG/L)
34289	BROMOFORM SUSP.	BROMOFORM SUSPENDED (UG/L)
34290	BROMOFORM BOT. MAT.	BROMOFORM BOTTOM MATERIAL (UG/KG)
34292	PHTHALATE,N-BU.BEN T	N-BUTYLBENZYL PHTHALATE TOTAL (UG/L)
34293	PHTHALATE,N-BU.BEN D	N-BUTYLBENZYL PHTHALATE DISSOLVED (UG/L)
34294	PHTHALATE,N-BU.BEN S	N-BUTYLBENZYL PHTHALATE SUSPENDED (UG/L)
34295	PHTHALATE,N-BU.BEN B	N-BUTYLBENZYL PHTHALATE BOTTOM MATERIAL (UG/KG)
34297	CARBONTETRACHLOR. D.	CARBON TETRACHLORIDE DISSOLVED (UG/L)
34298	CARBONTETRACHLOR. S.	CARBON TETRACHLORIDE SUSPENDED (UG/L)
34299	CARBONTETRACHLOR. B.	CARBON TETRACHLORIDE BOTTOM MATERIAL (UG/KG)
34301	CHLOROBENZENE	CHLOROBENZENE TOTAL (UG/L)
34302	CHLOROBENZENE DISS.	CHLOROBENZENE DISSOLVED (UG/L)
34303	CHLOROBENZENE SUSP.	CHLOROBENZENE SUSPENDED (UG/L)
34304	CHLOROBENZENE BOT.	CHLOROBENZENE BOTTOM MATERIAL (UG/KG)
34307	DIBROMOCHLORO-METHAN	DIBROMOCHLORO-METHANE WHOLE WATER DISSOLVED (UG/L)
34308	DIBROMOCHLOROMETH. S	DIBROMOCHLOROMETHANE SUSPENDED (UG/L)
34309	DIBROMOCHLOROMETH. B	DIBROMOCHLOROMETHANE BOTTOM MATERIAL (UG/KG)
34311	CHLOROETHANE	CHLOROETHANE TOTAL (UG/L)
34312	CHLOROETHANE DISS.	CHLOROETHANE DISSOLVED (UG/L)
34313	CHLOROETHANE SUSP.	CHLOROETHANE SUSPENDED (UG/L)
34314	CHLOROETHANE BOT.MAT	CHLOROETHANE BOTTOM MATERIAL (UG/KG)
34316	CHLOROFORM DISSOLVED	CHLOROFORM DISSOLVED (UG/L)
34317	CHLOROFORM SUSPENDED	CHLOROFORM SUSPENDED (UG/L)
34318	CHLOROFORM BOT. MAT.	CHLOROFORM BOTTOM MATERIAL (UG/KG)
34320	CHRYSENE TOTAL UG/L	CHRYSENE TOTAL (UG/L)
34321	CHRYSENE DISSOLVED	CHRYSENE DISSOLVED (UG/L)
34322	CHRYSENE SUSP. UG/L	CHRYSENE SUSPENDED (UG/L)
34323	CHRYSENE BOT. MAT.	CHRYSENE BOTTOM MATERIAL (UG/KG)
34325	CYANIDE SUSPENDED	CYANIDE SUSPENDED (UG/L)
34327	PHTHALATE,DI-N-BUT.D	DI-N-BUTYL PHTHALATE DISSOLVED (UG/L)
34328	BROMODICHLOROMETH. D	BROMODICHLOROMETHANE DISSOLVED (UG/L)
34329	BROMODICHLOROMETH. S	BROMODICHLOROMETHANE SUSPENDED (UG/L)
34330	BROMODICHLOROMETH. B	BROMODICHLOROMETHANE BOTTOM MATERIAL (UG/KG)
34332	DICHLORO-DIFLUORO. D	DICHLORO-DIFLUOROMETHANE DISSOLVED (UG/L)

CODE	SHORTNAME	LONGNAME
34333	DICHLORO-DIFLUORO. S	DICHLORO-DIFLUOROMETHANE SUSPENDED (UG/L)
34334	DICHLORO-DIFLUORO. B	DICHLORO-DIFLUOROMETHANE BOTTOM MATERIAL (UG/KG)
34336	PHTHALATE,DIETHYL T.	DIETHYL PHTHALATE TOTAL (UG/L)
34337	PHTHALATE,DIETHYL D.	DIETHYL PHTHALATE DISSOLVED (UG/L)
34338	PHTHALATE,DIETHYL S.	DIETHYL PHTHALATE SUSPENDED (UG/L)
34339	PHTHALATE,DIETHYL B.	DIETHYL PHTHALATE BOTTOM MATERIAL (UG/KG)
34341	PHTHALATE,DIMETHYL T	DIMETHYL PHTHALATE TOTAL (UG/L)
34342	PHTHALATE,DIMETHYL D	DIMETHYL PHTHALATE DISSOLVED (UG/L)
34343	PHTHALATE,DIMETHYL S	DIMETHYL PHTHALATE SUSPENDED (UG/L)
34344	PHTHALATE,DIMETHYL B	DIMETHYL PHTHALATE BOTTOM MATERIAL (UG/KG)
34346	DIPHENYLHYDRAZINE T.	1,2-DIPHENYLHYDRAZINE TOTAL (UG/L)
34347	DIPHENYLHYDRAZINE D.	1,2-DIPHENYLHYDRAZINE DISSOLVED (UG/L)
34348	DIPHENYLHYDRAZINE S.	1,2-DIPHENYLHYDRAZINE SUSPENDED (UG/L)
34349	DIPHENYLHYDRAZINE B.	1,2-DIPHENYLHYDRAZINE BOTTOM MATERIAL (UG/KG)
34351	ENDOSULFAN SULFATE T	ENDOSULFAN SULFATE TOTAL (UG/L)
34352	ENDOSULFAN SULFATE D	ENDOSULFAN SULFATE DISSOLVED (UG/L)
34353	ENDOSULFAN SULFATE S	ENDOSULFAN SULFATE SUSPENDED (UG/L)
34354	ENDOSULFAN SULFATE B	ENDOSULFAN SULFATE BOTTOM MATERIAL (UG/KG)
34356	ENDOSULFAN BETA TOT.	ENDOSULFAN BETA TOTAL (UG/L)
34357	ENDOSULFAN BETA DIS.	ENDOSULFAN BETA DISSOLVED (UG/L)
34358	ENDOSULFAN BETA SUSP	ENDOSULFAN BETA SUSPENDED (UG/L)
34359	ENDOSULFAN BETA BOT.	ENDOSULFAN BETA BOTTOM MATERIAL (UG/KG)
34361	ENDOSULFAN I WH REC	ENDOSULFAN I, WATER, WHOLE, RECOVERABLE, UG/L
34362	ENDOSULFAN ALPHA DIS	ENDOSULFAN ALPHA DISSOLVED (UG/L)
34363	ENDOSULFAN ALPHA SUS	ENDOSULFAN ALPHA SUSPENDED (UG/L)
34364	ENDOSULFAN ALPHA BOT	ENDOSULFAN ALPHA BOTTOM MATERIAL (UG/KG)
34366	ENDRIN ALDEHYDE TOT.	ENDRIN ALDEHYDE TOTAL (UG/L)
34367	ENDRIN ALDEHYDE DIS.	ENDRIN ALDEHYDE DISSOLVED (UG/L)
34368	ENDRIN ALDEHYDE SUS.	ENDRIN ALDEHYDE SUSPENDED (UG/L)
34369	ENDRIN ALDEHYDE BOT.	ENDRIN ALDEHYDE BOTTOM MATERIAL (UG/KG)
34371	ETHYLBENZENE TOTAL	ETHYLBENZENE TOTAL (UG/L)
34372	ETHYLBENZENE DISS.	ETHYLBENZENE DISSOLVED (UG/L)
34373	ETHYLBENZENE SUSP.	ETHYLBENZENE SUSPENDED (UG/L)
34374	ETHYLBENZENE BOT.	ETHYLBENZENE BOTTOM MATERIAL (UG/KG)
34376	FLUORANTHENE TOTAL	FLUORANTHENE TOTAL (UG/L)
34377	FLUORANTHENE DISS.	FLUORANTHENE DISSOLVED (UG/L)
34378	FLUORANTHENE SUSP.	FLUORANTHENE SUSPENDED (UG/L)
34379	FLUORANTHENE BOT.	FLUORANTHENE BOTTOM MATERIAL (UG/KG)
34381	FLUORENE TOTAL UG/L	FLUORENE TOTAL (UG/L)
34382	FLUORENE DISSOLVED	FLUORENE DISSOLVED (UG/L)
34383	FLUORENE SUSPENDED	FLUORENE SUSPENDED (UG/L)
34384	FLUORENE BOT. MAT.	FLUORENE BOTTOM MATERIAL (UG/KG)
34386	HX.CH.CY.PENTADIENET	HEXAChLOROCYCLOPENTADIENE TOTAL (UG/L)
34387	HX.CH.CY.PENTADIENED	HEXAChLOROCYCLOPENTADIENE DISSOLVED (UG/L)
34388	HX.CH.CY.PENTADIES	HEXAChLOROCYCLOPENTADIENE SUSPENDED (UG/L)
34389	HX.CH.CY.PENTADIENE	HEXAChLOROCYCLOPENTADIENE BOTTOM MATERIAL (UG/KG)
34391	HEX.CHL.BUTADIENE,T	HEXAChLOROBUTADIENE, WATER WHOLE, TOTAL, (UG/L)
34392	HX.CH.BUTADIENE DIS.	HEXAChLOROBUTADIENE DISSOLVED (UG/L)
34393	HX.CH.BUTADIENE SUS.	HEXAChLOROBUTADIENE SUSPENDED (UG/L)
34396	HEXACHLOROETHANE T.	HEXACHLOROETHANE TOTAL (UG/L)
34397	HEXACHLOROETHANE D.	HEXACHLOROETHANE DISSOLVED (UG/L)
34398	HEXACHLOROETHANE S.	HEXACHLOROETHANE SUSPENDED (UG/L)
34399	HEXACHLOROETHANE B.	HEXACHLOROETHANE BOTTOM MATERIAL (UG/KG)
34401	HEXACHLOROBENZENE D.	HEXACHLOROBENZENE DISSOLVED (UG/L)
34402	HEXACHLOROBENZENE S.	HEXACHLOROBENZENE SUSPENDED (UG/L)
34403	PYRENE,INDENO TOTAL	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
34404	PYRENE,INDENO DISS.	INDENO (1,2,3-CD) PYRENE DISSOLVED (UG/L)
34405	PYRENE,INDENO SUSP.	INDENO (1,2,3-CD) PYRENE SUSPENDED (UG/L)
34406	PYRENE,INDENO BOT.	INDENO (1,2,3-CD) PYRENE BOTTOM MATERIAL (UG/KG)
34408	ISOPHORONE TOTAL	ISOPHORONE TOTAL (UG/L)
34409	ISOPHORONE DISSOLVED	ISOPHORONE DISSOLVED (UG/L)

CODE	SHORTNAME	LONGNAME
34410	ISOPHORONE SUSPENDED	ISOPHORONE SUSPENDED (UG/L)
34411	ISOPHORONE BOT. MAT.	ISOPHORONE BOTTOM MATERIAL (UG/KG)
34413	METHYLBROMIDE TOTAL	METHYLBROMIDE TOTAL (UG/L)
34414	METHYLBROMIDE DISS.	METHYLBROMIDE DISSOLVED (UG/L)
34415	METHYLBROMIDE SUSP.	METHYLBROMIDE SUSPENDED (UG/L)
34416	METHYLBROMIDE BOT.	METHYLBROMIDE BOTTOM MATERIAL (UG/KG)
34418	METHYLCHLORIDE,TOT.	METHYLCHLORIDE, TOTAL (UG/L)
34419	METHYLCHLORIDE,DIS.	METHYLCHLORIDE DISSOLVED (UG/L)
34420	METHYLCHLORIDE SUSP.	METHYLCHLORIDE SUSPENDED (UG/L)
34421	METHYLCHLORIDE BOT.	METHYLCHLORIDE BOTTOM MATERIAL (UG/KG)
34423	METHYLENECHLORIDE	METHYLENECHLORIDE TOTAL (UG/L)
34424	METHYLENECHLORIDE D.	METHYLENECHLORIDE DISSOLVED (UG/L)
34425	METHYLENECHLORIDE S.	METHYLENECHLORIDE SUSPENDED (UG/L)
34426	METHYLENECHLORIDE B.	METHYLENECHLORIDE BOTTOM MATERIAL (UG/KG)
34428	N-NI.N-PROPYLAMINE T	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)
34429	N-NI.N-PROPYLAMINE D	N-NITROSODI-N-PROPYLAMINE DISSOLVED (UG/L)
34430	N-NI.N-PROPYLAMINE S	N-NITROSODI-N-PROPYLAMINE SUSPENDED (UG/L)
34431	N-NI.N-PROPYLAMINE B	N-NITROSODI-N-PROPYLAMINE BOTTOM MATERIAL (UG/KG)
34433	N-NI.DIPHENYLAMINE T	N-NITROSODIPHENYLAMINE TOTAL (UG/L)
34434	N-NI.DIPHENYLAMINE D	N-NITROSODIPHENYLAMINE DISSOLVED (UG/L)
34435	N-NI.DIPHENYLAMINE S	N-NITROSODIPHENYLAMINE SUSPENDED (UG/L)
34436	N-NI.DIPHENYLAMINE B	N-NITROSODIPHENYLAMINE BOTTOM MATERIAL (UG/KG)
34438	N-NI.DIMETHYLAMINE T	N-NITROSODIMETHYLAMINE TOTAL (UG/L)
34439	N-NI.DIMETHYLAMINE D	N-NITROSODIMETHYLAMINE DISSOLVED (UG/L)
34440	N-NI.DIMETHYLAMINE S	N-NITROSODIMETHYLAMINE SUSPENDED (UG/L)
34441	N-NI.DIMETHYLAMINE B	N-NITROSODIMETHYLAMINE BOTTOM MATERIAL (UG/KG)
34443	NAPHTHALENE DISS.	NAPHTHALENE DISSOLVED (UG/L)
34444	NAPHTHALENE SUSP.	NAPHTHALENE SUSPENDED (UG/L)
34445	NAPHTHALENE BOT.MAT.	NAPHTHALENE BOTTOM MATERIAL (UG/KG)
34447	NITROBENZENE TOTAL	NITROBENZENE TOTAL (UG/L)
34448	NITROBENZENE DISS.	NITROBENZENE DISSOLVED (UG/L)
34449	NITROBENZENE SUSP.	NITROBENZENE SUSPENDED (UG/L)
34450	NITROBENZENE BOT.	NITROBENZENE BOTTOM MATERIAL (UG/KG)
34452	PARACH.META CRESOL T	PARACHLOROMETA CRESOL TOTAL (UG/L)
34453	PARACH.META CRESOL D	PARACHLOROMETA CRESOL DISSOLVED (UG/L)
34454	PARACH.META CRESOL S	PARACHLOROMETA CRESOL SUSPENDED (UG/L)
34455	PARACH.META CRESOL B	PARACHLOROMETA CRESOL BOTTOM MATERIAL (UG/KG)
34457	AROCLOR 1242 PCB D.	AROCLOR 1242 PCB DISSOLVED (UG/L)
34458	AROCLOR 1242 PCB S.	AROCLOR 1242 PCB SUSPENDED (UG/L)
34459	PENTACHLOROPHENOL D.	PENTACHLOROPHENOL DISSOLVED
34460	PENTACHLOROPHENOL S.	PENTACHLOROPHENOL SUSPENDED (UG/L)
34461	PHENANTHRENE TOTAL	PHENANTHRENE TOTAL (UG/L)
34462	PHENANTHRENE DISS.	PHENANTHRENE DISSOLVED (UG/L)
34463	PHENANTHRENE SUSP.	PHENANTHRENE SUSPENDED (UG/L)
34464	PHENANTHRENE BOT.	PHENANTHRENE BOTTOM MATERIAL (UG/KG)
34466	PHENOL (C7H-50H) D.	PHENOL (C7H-50H) DISSOLVED (UG/L)
34467	PHENOL (C6H-50H) S.	PHENOL (C6H-50H) SUSPENDED (UG/L)
34469	PYRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)
34470	PYRENE DISSOLVED	PYRENE DISSOLVED (UG/L)
34471	PYRENE SUSPENDED	PYRENE SUSPENDED (UG/L)
34472	PYRENE BOT. MAT.	PYRENE BOTTOM MATERIAL (UG/KG)
34475	TETRACHLOROETHYLENE	TETRACHLOROETHYLENE TOTAL (UG/L)
34476	TETRACHLOROETHYLENED	TETRACHLOROETHYLENE DISSOLVED (UG/L)
34477	TETRACHLOROETHYLENES	TETRACHLOROETHYLENE SUSPENDED (UG/L)
34478	TETRACHLOROETHYLENEB	TETRACHLOROETHYLENE BOTTOM MATERIAL (UG/KG)
34480	THALLIUM TOTAL BOT.	THALLIUM TOTAL BOTTOM MATERIAL (UG/G AS TL)
34481	TOLUENE DISSOLVED	TOLUENE DISSOLVED (UG/L)
34482	TOLUENE SUSPENDED	TOLUENE SUSPENDED (UG/L)
34483	TOLUENE BOT. MAT.	TOLUENE BOTTOM MATERIAL (UG/KG)
34485	TRICHLOROETHYLENE D.	TRICHLOROETHYLENE DISSOLVED (UG/L)
34486	TRICHLOROETHYLENE S.	TRICHLOROETHYLENE SUSPENDED (UG/L)

CODE	SHORTNAME	LONGNAME
34487	TRICHLOROETHYLENE B.	TRICHLOROETHYLENE BOTTOM MATERIAL (UG/KG)
34488	TRICH.FLUOR.METHANE	TRICHLOROFLUOROMETHANE TOTAL (UG/L)
34489	TRICH.FLUOR.METHANED	TRICHLOROFLUOROMETHANE DISSOLVED (UG/L)
34490	TRICH.FLUOR.METHANES	TRICHLOROFLUOROMETHANE SUSPENDED (UG/L)
34491	TRICH.FLUOR.METHANEB	TRICHLOROFLUOROMETHANE BOTTOM MATERIAL (UG/L)
34493	CHLORIDE,VINYL DISS.	VINYL CHLORIDE DISSOLVED (UG/L)
34494	CHLORIDE,VINYL SUSP.	VINYL CHLORIDE SUSPENDED (UG/L)
34495	CHLORIDE,VINYL BOT.	VINYL CHLORIDE BOTTOM MATERIAL (UG/KG)
34496	DICHLOROETHANE 1,1 T	1,1-DICHLOROETHANE TOTAL (UG/L)
34497	DICHLOROETHANE 1,1 D	1,1-DICHLOROETHANE DISSOLVED (UG/L)
34498	DICHLOROETHANE 1,1 S	1,1-DICHLOROETHANE SUSPENDED (UG/L)
34499	DICHLOROETHANE 1,1 B	1,1-DICHLOROETHANE BOTTOM MATERIAL (UG/KG)
34501	DICHLOROETHYLENE T.	1,1-DICHLOROETHYLENE TOTAL (UG/L)
34502	DICHLOROETHYLENE D.	1,1-DICHLOROETHYLENE DISSOLVED (UG/L)
34503	DICHLOROETHYLENE S.	1,1-DICHLOROETHYLENE SUSPENDED (UG/L)
34504	DICHLOROETHYLENE B.	1,1-DICHLOROETHYLENE BOTTOM MATERIAL (UG/KG)
34506	TRICHLOROETHANE T.	1,1,1-TRICHLOROETHANE TOTAL (UG/L)
34507	TRICHLOROETHANE D.	1,1,1-TRICHLOROETHANE, DISSOLVED, UG/L
34508	TRICHLOROETHANE S.	1,1,1-TRICHLOROETHANE, SUSPENDED, UG/L
34509	TRICHLOROETHANE B.	1,1,1-TRICHLOROETHANE, BOTTOM MATERIAL, UG/KG
34511	TRICHLOROETHANE T.	1,1,2-TRICHLOROETHANE TOTAL (UG/L)
34512	TRICHLOROETHANE D.	1,1,2-TRICHLOROETHANE DISSOLVED (UG/L)
34513	TRICHLOROETHANE S.	1,1,2-TRICHLOROETHANE SUSPENDED (UG/L)
34514	TRICHLOROETHANE B.	1,1,2-TRICHLOROETHANE BOTTOM MATERIAL (UG/KG)
34516	1122TETRACHLORO ETH	ETHANE, 1,1,2,2-TETRACHLORO-, WATER, UNFILTERED, RECOVERABLE, UG/L
34517	TETRACHLOROETHANE D.	1,1,2,2-TETRACHLOROETHANE DISSOLVED (UG/L)
34518	TETRACHLOROETHANE S.	1,1,2,2-TETRACHLOROETHANE SUSPENDED (UG/L)
34519	TETRACHLOROETHANE B.	1,1,2,2-TETRACHLOROETHANE BOTTOM MATERIAL (UG/KG)
34521	BENZOGHI PERYLENE1,1	BENZOGHI PERYLENE1,12 -BENZOPERYLENE TOTAL (UG/L)
34522	BENZOGHI PERYLENE1,1	BENZOGHI PERYLENE 1,12 -BEZOPERYLENE DISSOLVED (UG/L)
34523	BENZOGHI PERYLENE1,1	BENZOGHI PERYLENE1,12 -BENZOPERYLENE SUSP. (UG/L)
34524	BENZOGHI PERYLENE1,1	BENZOGHI PERYLENE 1,12 -BENZOPERYLENE BOT. MAT. (UG/KG)
34526	BENZO(A)ANTHRACEN1,2	BENZO(A)ANTHRACENE1, 2-BENZANTHRACENE TOTAL (UG/L)
34527	BENZO AANTHRACENE1,2	BENZO (A)ANTHRACENE 1,2-BENZANTHRACENE DISSOLVED (UG/L)
34528	BENZO AANTHRACENE1,2	BENZO (A)ANTHRACENE 1,2-BENZANTHRACENE SUSPENDED (UG/L)
34529	BENZO AANTHRACENE1,2	BENZO (A)ANTHRACENE 1,2-BENZANTHRACENE BOT. MAT. (UG/KG)
34531	12DICHLOROETHANE U	ETHANE, 1,2-DICHLORO-, ATER, UNFILTERED, RECOVERABLE, UG/L
34532	DICHLOROETHANE DISS.	1,2-DICHLOROETHANE DISSOLVED (UG/L)
34533	DICHLOROETHANE SUSP.	1,2-DICHLOROETHANE SUSPENDED (UG/L)
34534	DICHLOROETHANE BOT.	1,2-DICHLOROETHANE BOTTOM MATERIAL (UG/KG)
34536	O-CHLORO-BENZENE U	BENZENE, O-CHLORO-, WATER, UNFILTERED, RECOVERABLE, UG/L
34537	DICHLOROBENZENE DIS.	1,2-DICHLOROBENZENE DISSOLVED (UG/L)
34538	DICHLOROBENZENE SUS.	1,2-DICHLOROBENZENE SUSPENDED (UG/L)
34539	DICHLOROBENZENE BOT.	1,2-DICHLOROBENZENE BOTTOM MATERIAL (UG/KG)
34541	DICHLOROPROPANE TOT.	1,2-DICHLOROPROPANE TOTAL (UG/L)
34542	DICHLOROPROPANE DIS.	1,2-DICHLOROPROPANE DISSOLVED (UG/L)
34543	DICHLOROPROPANE SUS.	1,2-DICHLOROPROPANE SUSPENDED (UG/L)
34544	DICHLOROPROPANE BOT.	1,2-DICHLOROPROPANE BOTTOM MATERIAL (UG/KG)
34546	TRANSDICH.ETHENE T.	1,2-TRANSDICHLOROETHENE, TOTAL, IN WATER (UG/L)
34547	TRANSDICH.ETHENE D.	1,2-TRANSDICHLOROETHENE DISSOLVED (UG/L)
34548	TRANSDICH.ETHENE S.	1,2-TRANSDICHLOROETHENE SUSPENDED (UG/L)
34549	TRANSDICH.ETHENE B.	1,2-TRANSDICHLOROETHENE BOTTOM MATERIAL (UG/KG)
34551	124TRICHLORO-BENZEN	BENZENE, 1,2,4-TRICHLORO-, WATER, UNFILTERED, RECOVERABLE, UG/L
34552	TRICHLOROBENZENE DIS	1,2,4-TRICHLOROBENZENE DISSOLVED (UG/L)
34553	TRICHLOROBENZENE SUS	1,2,4-TRICHLOROBENZENE SUSPENDED (UG/L)
34554	TRICHLOROBENZENE BOT	1,2,4-TRICHLOROBENZENE BOTTOM MATERIAL (UG/KG)
34556	DIBENZANTHRACENE TOT	1,2,5,6-DIBENZANTHRACENE TOTAL (UG/L)
34557	DIBENZANTHRACENE DIS	1,2,5,6-DIBENZANTHRACENE DISSOLVED (UG/L)
34558	DIBENZANTHRACENE SUS	1,2,5,6-DIBENZANTHRACENE SUSPENDED (UG/L)
34559	DIBENZANTHRACENE BOT	1,1,5,6-DIBENZANTHRACENE BOTTOM MATERIAL (UG/KG)
34561	DICHLOROPROPENE TOT.	1,3-DICHLOROPROPENE, TOTAL, IN WATER (UG/L)

CODE	SHORTNAME	LONGNAME
34566	13DICHLORO-BENZENE	BENZENE, 1,3-DICHLORO-, WATER, UNFILTERED, RECOVERABLE, UG /L
34567	DICHL.BENZENE 1,3 D.	1,3-DICHLOROBENZENE DISSOLVED (UG/L)
34568	DICHL.BENZENE 1,3 S.	1,3-DICHLOROBENZENE SUSPENDED (UG/L)
34569	DICHL.BENZENE 1,3 B.	1,3-DICHLOROBENZENE BOTTOM MATERIAL (UG/KG)
34571	14DICHLORO-BENZENE	BENZENE, 1,4-DICHLORO-, WATER, UNFILTERED, RECOVERABLE, UG /L
34572	DICHL.BENZENE 1,4 D.	1,4-DICHLOROBENZENE DISSOLVED (UG/L)
34573	DICHL.BENZENE 1,4 S.	1,4-DICHLOROBENZENE SUSPENDED (UG/L)
34574	DICHL.BENZENE 1,4 B.	1,4-DICHLOROBENZENE BOTTOM MATERIAL (UG/KG)
34576	CHL.ETH.VIN.ETHER T.	2-CHLOROETHYL VINYLETHER TOTAL (UG/L)
34577	CHL.ETH.VIN.ETHER D.	2-CHLOROETHYL VINYLETHER DISSOLVED (UG/L)
34578	CHL.ETH.VIN.ETHER S.	2-CHLOROETHYL VINYLETHER SUSPENDED (UG/L)
34579	CHL.ETH.VIN.ETHER B.	2-CHLOROETHYL VINYLETHER BOTTOM MATERIAL (UG/KG)
34581	CHLORONAPHTHALENE T.	2-CHLORONAPHTHALENE TOTAL (UG/L)
34582	CHLORONAPHTHALENE D.	2-CHLORONAPHTHALENE DISSOLVED (UG/L)
34583	CHLORONAPHTHALENE S.	2-CHLORONAPHTHALENE SUSPENDED (UG/L)
34584	CHLORONAPHTHALENE B.	2-CHLORONAPHTHALENE BOTTOM MATERIAL (UG/KG)
34586	CHLOROPHENOL TOTAL	2-CHLOROPHENOL TOTAL (UG/L)
34587	CHLOROPHENOL DISS.	2-CHLOROPHENOL DISSOLVED (UG/L)
34588	CHLOROPHENOL SUSP.	2-CHLOROPHENOL SUSPENDED (UG/L)
34589	CHLOROPHENOL BOT.	2-CHLOROPHENOL BOTTOM MATERIAL (UG/KG)
34591	NITROPHENOL2 TOTAL	2-NITROPHENOL TOTAL (UG/L)
34592	NITROPHENOL2 DISS.	2-NITROPHENOL DISSOLVED (UG/L)
34593	NITROPHENOL2 SUSP.	2-NITROPHENOL SUSPENDED (UG/L)
34594	NITROPHENOL2 BOT.	2-NITROPHENOL BOTTOM MATERIAL (UG/KG)
34596	PHTHALATE,DINOCTYL T	DINOCTYL PHTHALATE TOTAL (UG/L)
34597	PHTHALATE,DINOCTYL D	DINOCTYL PHTHALATE DISSOLVED (UG/L)
34598	PHTHALATE,DINOCTYL S	DINOCTYL PHTHALATE SUSPENDED (UG/L)
34599	PHTHALATE,DINOCTYL B	DINOCTYL PHTHALATE BOTTOM MATERIAL (UG/KG)
34601	DICHLOROPHENOL2,4 T.	2,4-DICHLOROPHENOL TOTAL (UG/L)
34602	DICHLOROPHENOL2,4 D.	2,4-DICHLOROPHENOL DISSOLVED (UG/L)
34603	DICHLOROPHENOL2,4 S.	2,4-DICHLOROPHENOL SUSPENDED (UG/L)
34604	DICHLOROPHENOL2,4 B.	2,4-DICHLOROPHENOL BOTTOM MATERIAL (UG/KG)
34606	DIMETHYLPHENOL2,4 T.	2,4,DIMETHYLPHENOL TOTAL (UG/L)
34607	DIMETHYLPHENOL2,4 D.	2,4,DIMETHYLPHENOL DISSOLVED (UG/L)
34608	DP, 2,4 (UG/L)	2,4-DP (UG/L)
34609	DP, 2,4 IN BOT. MAT.	2,4-DP IN BOTTOM MATERIAL (UG/KG)
34611	DINITROTOLUENE2,4 T.	2,4-DINITROTOLUENE TOTAL (UG/L)
34612	DINITROTOLUENE2,4 D.	2,4-DINITROTOLUENE DISSOLVED (UG/L)
34613	DINITROTOLUENE2,4 S.	2,4-DINITROTOLUENE SUSPENDED (UG/L)
34614	DINITROTOLUENE2,4 B.	2,4-DINITROTOLUENE BOTTOM MATERIAL (UG/KG)
34616	DINITROPHENOL2,4 T.	2,4-DINITROPHENOL TOTAL (UG/L)
34617	DINITROPHENOL2,4 D.	2,4-DINITROPHENOL DISSOLVED (UG/L)
34618	DINITROPHENOL2,4 S.	2,4-DINITROPHENOL SUSPENDED (UG/L)
34619	DINITROPHENOL2,4 B.	2,4-DINITROPHENOL BOTTOM MATERIAL (UG/KG)
34621	TRICHLOROPHENOL TOT.	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)
34622	TRICHLOROPHENOL DIS.	2,4,6-TRICHLOROPHENOL DISSOLVED (UG/L)
34623	TRICHLOROPHENOL SUS.	2,4,6-TRICHLOROPHENOL SUSPENDED (UG/L)
34624	TRICHLOROPHENOL BOT.	2,4,6-TRICHLOROPHENOL BOTTOM MATERIAL (UG/KG)
34626	DINITROTOLUENE2,6 T.	2,6-DINITROTOLUENE TOTAL (UG/L)
34627	DINITROTOLUENE2,6 D.	2,6-DINITROTOLUENE DISSOLVED (UG/L)
34628	DINITROTOLUENE2,6 S.	2,6-DINITROTOLUENE SUSPENDED (UG/L)
34629	DINITROTOLUENE2,6 B.	2,6-DINITROTOLUENE BOTTOM MATERIAL (UG/KG)
34631	DICHLOROBENZIDINE T.	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)
34632	DICHLOROBENZIDINE D.	3,3'-DICHLOROBENZIDINE DISSOLVED (UG/L)
34633	DICHLOROBENZIDINE S.	3,3'-DICHLOROBENZIDINE SUSPENDED (UG/L)
34634	DICHLOROBENZIDINE B.	3,3'-DICHLOROBENZIDINE BOTTOM MATERIAL (UG/KG)
34636	4 BR.PH.PHENYLETHERT	4-BROMOPHENYLPHENYLETHER TOTAL (UG/L)
34637	4 BR.PH.PHENYLETHERTD	4-BROMOPHENYLPHENYLETHER DISSOLVED (UG/L)
34638	4 BR.PH.PHENYLETHERS	4-BROMOPHENYLPHENYLETHER SUSPENDED (UG/L)
34639	4 BR.PH.PHENYLETHERB	4-BROMOPHENYLPHENYLETHER BOTTOM MATERIAL (UG/KG)
34641	4 CH.PH.PHENYLETHERT	4-CHLOROPHENYLPHENYLETHER TOTAL (UG/L)

CODE	SHORTNAME	LONGNAME
34642	4 CH.PH.PHENYLETHERD	4-CHLOROPHENYLPHENYLETHER DISSOLVED (UG/L)
34643	4 CH.PH.PHENYLETHERS	4-CHLOROPHENYLPHENYLETHER SUSPENDED (UG/L)
34644	4 CH.PH.PHENYLETHERB	4-CHLOROPHENYLPHENYLETHER BOTTOM MATERIAL (UG/KG)
34646	4-NITROPHENOL TOT.	4-NITROPHENOL TOTAL (UG/L)
34647	4-NITROPHENOL DISS.	4-NITROPHENOL DISSOLVED (UG/L)
34648	4-NITROPHENOL SUSP.	4-NITROPHENOL SUSPENDED (UG/L)
34649	4-NITROPHENOL BOT.	4-NITROPHENOL BOTTOM MATERIAL (UG/KG)
34651	P,P' DDD DISSOLVED	P,P' DDD DISSOLVED (UG/L)
34652	P,P' DDD SUSPENDED	P,P' DDD SUSPENDED (UG/L)
34653	P,P' DDE DISSOLVED	P,P' DDE DISSOLVED (UG/L)
34654	P,P' DDE SUSPENDED	P,P' DDE SUSPENDED (UG/L)
34655	P,P' DDT DISSOLVED	P,P' DDT DISSOLVED (UG/L)
34656	P,P' DDT SUSPENDED	P,P' DDT SUSPENDED (UG/L)
34657	4,6 DINITRO.OR.CR. T	4,6-DINITROORTHOCHRESOL TOTAL (UG/L)
34658	4,6-DINITRO.OR.CR. D	4,6-DINITROORTHOCHRESOL DISSOLVED (UG/L)
34659	4,6-DINITRO.OR.CR. S	4,6-DINITROORTHOCHRESOL SUSPENDED (UG/L)
34660	4,6-DINITRO.OR.CR. B	4,6-DINITROORTHOCHRESOL BOTTOM MATERIAL (UG/KG)
34662	AROCLOR 1221 PCB D.	AROCLOR 1221 PCB DISSOLVED (UG/L)
34663	AROCLOR 1221 PCB S.	AROCLOR 1221 PCB SUSPENDED (UG/L)
34665	AROCLOR 1232 PCB D.	AROCLOR 1232 PCB DISSOLVED (UG/L)
34666	AROCLOR 1232 PCB S.	AROCLOR 1232 PCB SUSPENDED (UG/L)
34668	DICHL.DIFL.METHANE T	DICHLORODIFLUOROMETHANE TOTAL (UG/L)
34671	AROCLOR 1016 PCB T.	AROCLOR 1016 PCB TOTAL (UG/L)
34672	AROCLOR 1016 PCB D.	AROCLOR 1016 PCB DISSOLVED (UG/L)
34673	AROCLOR 1016 PCB S.	AROCLOR 1016 PCB SUSPENDED (UG/L)
34675	2,3,7,8TCDP DIOXINT	2,3,7,8TETRACHLORODIBENZO-P-DIOXIN TOTAL (UG/L)
34676	2,3,7,8TCDP DIOXIN D	2,3,7,8TETRACHLORODIBENZO-P-DIOXIN DISSOLVED (UG/L)
34677	2,3,7,8TCDP DIOXIN S	2,3,7,8TETRACHLORODIBENZO-P-DIOXIN SUSPENDED (UG/L)
34678	2,3,7,8TCDP DIOXIN B	2,3,7,8TETRACHLORODIBENZO-P-DIOXIN BOTTOM MATERIAL (UG/KG)
34694	PHENOL (6H-50H) TOT.	PHENOL (C6H-50) TOTAL (UG/L)
34695	PHENOL (6H-50H) BOT.	PHENOL (C6H-50H) BOTTOM MATERIAL (UG/KG)
34696	NAPHTHALENE TOTAL	NAPHTHALENE TOTAL (UG/L)
34697	TR. 1,3DI.PROPENE B.	TRANS-1,3-DICHLOROPROPENE BOTTOM MATERIAL (UG/KG)
34699	TR1,3-DICHL.PROPENE	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)
34700	TR 1,3-DICHL PROPENE	TRANS 1,3-DICHLOROPROPENE, DISSOLVED, UG/L
34701	TR 1,3-DICHL PROPENE	TRANS 1,3-DICHLOROPROPENE, SUSPENDED, UG/L
34702	CIS 1,3-DICH PROPENE	CIS 1,3-DICHLOROPROPENE IN BOTTOM MATERIAL, UG/KG
34704	CIS1,3-DICHL.PROPENE	CIS-1,3-DICHLOROPROPENE, TOTAL (UG/L)
34705	CIS 1,3-DICH PROPENE	CIS 1,3-DICHLOROPROPENE, DISSOLVED, UG/L
34706	CIS 1,3-DICH PROPENE	CIS 1,3-DICHLOROPROPENE, SUSPENDED, UG/L
34756	TRIAZINE SCREEN DIS	TRIAZINE SCREEN BY ENZYME LINKED IMMUNO SORBENT ASSAY, WATER, DISSOLVED, REC, UG/L
34757	TRIAZINE SCREEN WH	TRIAZINE SCREEN BY ENZYME LINKED IMMUNO SORBENT ASSAY, WATER, WHOLE, REC, UG/L
34758	TRIAZINE SCREEN BM	TRIAZINE SCREEN BY ENZYME LINKED IMMUNO SORBENT ASSAY, SEDIMENT, BOTTOM MATERIAL, REC, UG/KG
34759	TRIAZINE SCREEN SS	TRIAZINE, SCREEN BY ENZYME LINKED IMMUNO SORBENT ASSAY, SEDIMENT, SUSPENDED, REC, UG/KG
34760	TERBUTRYN BM REC	TERBUTRYN, SEDIMENT, BOTTOM MATERIAL, REC, UG/KG
34761	HYDROXYATRAZINE DISS	HYDROXYATRAZINE WATER, DISSOLVED, REC, UG/L
34762	HYDROXYATRAZINE BM	HYDROXYATRAZINE, SEDIMENT, BOTTOM MATERIAL, REC, UG/KG
34763	HYDROXYATRAZINE SS	HYDROXYATRAZINE, SEDIMENT, SUSPENDED, REC, UG/KG
34790	ALUMINUM BM<63 WSF	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, PERCENT
34791	ALUMINUM BM<180WSF	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, PERCENT
34792	ALUMINUM BM<63 DSL	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, PERCENT
34793	ALUMINUM SS <63U	ALUMINUM, SEDIMENT, SUSPENDED, <63U, TOTAL, PERCENT
34794	ALUMINUM SS >63U	ALUMINUM, SEDIMENT, SUSPENDED, >63U, TOTAL, PERCENT
34795	ANTIMONY BM<63 WSF	ANTIMONY, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34796	ANTIMONY BM<180WSF	ANTIMONY, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34797	ANTIMONY BM<63 DSL	ANTIMONY, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34798	ANTIMONY SS <63U	ANTIMONY, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G

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34799	ANTIMONY SS >63U	ANTIMONY, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34800	ARSENIC BM<63 WSF	ARSENIC, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34801	ARSENIC BM<180WSF	ARSENIC, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34802	ARSENIC BM<63 DSL	ARSENIC, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34803	ARSENIC SS <63U	ARSENIC, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34804	ARSENIC SS >63U	ARSENIC, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34805	BARIUM BM<63 WSF	BARIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34806	BARIUM BM<180WSF	BARIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34807	BARIUM BM<63 DSL	BARIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34808	BARIUM SS <63U	BARIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34809	BARIUM SS >63U	BARIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34810	BERYLLIUM BM<63 WSF	BERYLLIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34811	BERYLLIUM BM<180WSF	BERYLLIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34812	BERYLLIUM BM<63 DSL	BERYLLIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34813	BERYLLIUM SS <63U	BERYLLIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34814	BERYLLIUM SS >63U	BERYLLIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34815	BISMUTH BM<63 WSF	BISMUTH, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34816	BISMUTH BM<180WSF	BISMUTH, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34817	BISMUTH BM<63 DSL	BISMUTH, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34818	BISMUTH SS <63U	BISMUTH, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34819	BISMUTH SS >63U	BISMUTH, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34820	BORON BM<63 WSF	BORON, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34821	BORON BM<180WSF	BORON, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34822	BORON BM<63 DSL	BORON, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34823	BORON SS <63U	BORON, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34824	BORON SS >63U	BORON, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34825	CADMIUM BM<63 WSF	CADMIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34826	CADMIUM BM<180WSF	CADMIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34827	CADMIUM BM<63 DSL	CADMIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34828	CADMIUM SS <63U	CADMIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34829	CADMIUM SS >63U	CADMIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34830	CALCIUM BM<63 WSF	CALCIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, PERCENT
34831	CALCIUM BM<180WSF	CALCIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, PERCENT
34832	CALCIUM BM<63 DSL	CALCIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, PERCENT
34833	CALCIUM SS <63U	CALCIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, PERCENT
34834	CALCIUM SS >63U	CALCIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, PERCENT
34835	CERIUM BM<63 WSF	CERIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34836	CERIUM BM<180WSF	CERIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34837	CERIUM BM<63 DSL	CERIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34838	CERIUM SS <63U	CERIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34839	CERIUM SS >63U	CERIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34840	CHROMIUM BM<63 WSF	CHROMIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34841	CHROMIUM BM<180WSF	CHROMIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34842	CHROMIUM BM<63 DSL	CHROMIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34843	CHROMIUM SS <63U	CHROMIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34844	CHROMIUM SS >63U	CHROMIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34845	COBALT BM<63 WSF	COBALT, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34846	COBALT BM<180WSF	COBALT, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34847	COBALT BM<63 DSL	COBALT, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34848	COBALT SS <63U	COBALT, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34849	COBALT SS >63U	COBALT, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34850	COPPER BM<63 WSF	COPPER, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34851	COPPER BM<180WSF	COPPER, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34852	COPPER BM<63 DSL	COPPER, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34853	COPPER SS <63U	COPPER, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34854	COPPER SS >63U	COPPER, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34855	EUROPIUM BM<63 WSF	EUROPIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34856	EUROPIUM BM<180WSF	EUROPIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34857	EUROPIUM BM<63 DSL	EUROPIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34858	EUROPIUM SS <63U	EUROPIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34859	EUROPIUM SS >63U	EUROPIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G

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34860	GALLIUM BM<63 WSF	GALLIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34861	GALLIUM BM<180WSF	GALLIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34862	GALLIUM BM<63 DSL	GALLIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34863	GALLIUM SS <63U	GALLIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34864	GALLIUM SS >63U	GALLIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34865	GERMANIUM BM<63 WSF	GERMANIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34866	GERMANIUM BM<180WSF	GERMANIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34867	GERMANIUM BM<63 DSL	GERMANIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34868	GERMANIUM SS <63U	GERMANIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34869	GERMANIUM SS >63U	GERMANIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34870	GOLD BM<63 WSF	GOLD, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34871	GOLD BM<180WSF	GOLD, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34872	GOLD BM<63 DSL	GOLD, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34873	GOLD SS <63U	GOLD, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34874	GOLD SS >63U	GOLD, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34875	HOLMIUM BM<63 WSF	HOLMIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34876	HOLMIUM BM<180WSF	HOLMIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34877	HOLMIUM BM<63 DSL	HOLMIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34878	HOLMIUM SS <63U	HOLMIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34879	HOLMIUM SS >63U	HOLMIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34880	IRON BM<63 WSF	IRON, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, PERCENT
34881	IRON BM<180WSF	IRON, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, PERCENT
34882	IRON BM<63 DSL	IRON, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, PERCENT
34883	IRON SS <63U	IRON, SEDIMENT, SUSPENDED, <63U, TOTAL, PERCENT
34884	IRON SS >63U	IRON, SEDIMENT, SUSPENDED, >63U, TOTAL, PERCENT
34885	LANTHANUM BM<63 WSF	LANTHANUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34886	LANTHANUM BM<180WSF	LANTHANUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34887	LANTHANUM BM<63 DSL	LANTHANUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34888	LANTHANUM SS <63U	LANTHANUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34889	LANTHANUM SS >63U	LANTHANUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34890	LEAD BM<63 WSF	LEAD, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34891	LEAD BM<180WSF	LEAD, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34892	LEAD BM<63 DSL	LEAD, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34893	LEAD SS <63U	LEAD, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34894	LEAD SS >63U	LEAD, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34895	LITHIUM BM<63 WSF	LITHIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34896	LITHIUM BM<180WSF	LITHIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34897	LITHIUM BM<63 DSL	LITHIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34898	LITHIUM SS <63U	LITHIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34899	LITHIUM SS >63U	LITHIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34900	MAGNESIUM BM<63 WSF	MAGNESIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, PERCENT
34901	MAGNESIUM BM<180WSF	MAGNESIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, PERCENT
34902	MAGNESIUM BM<63 DSL	MAGNESIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, PERCENT
34903	MAGNESIUM SS <63U	MAGNESIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, PERCENT
34904	MAGNESIUM SS >63U	MAGNESIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, PERCENT
34905	MANGANESE BM<63 WSF	MANGANESE, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34906	MANGANESE BM<180WSF	MANGANESE, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34907	MANGANESE BM<63 DSL	MANGANESE, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34908	MANGANESE SS <63U	MANGANESE, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34909	MANGANESE SS >63U	MANGANESE, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34910	MERCURY BM<63 WSF	MERCURY, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34911	MERCURY BM<180WSF	MERCURY, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34912	MERCURY BM<63 DSL	MERCURY, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34913	MERCURY SS <63U	MERCURY, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34914	MERCURY SS >63U	MERCURY, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34915	MOLYBDENUM BM<63 WS	MOLYBDENUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34916	MOLYBDENUM BM<180WS	MOLYBDENUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34917	MOLYBDENUM BM<63 DS	MOLYBDENUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34918	MOLYBDENUM SS <63U	MOLYBDENUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34919	MOLYBDENUM SS >63U	MOLYBDENUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34920	NEODYMIUM BM<63 WSF	NEODYMIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G

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34921	NEODYMIUM BM<180WSF	NEODYMIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34922	NEODYMIUM BM<63 DSL	NEODYMIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34923	NEODYMIUM SS <63U	NEODYMIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34924	NEODYMIUM SS >63U	NEODYMIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34925	NICKEL BM<63 WSF	NICKEL, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34926	NICKEL BM<180WSF	NICKEL, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34927	NICKEL BM<63 DSL	NICKEL, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34928	NICKEL SS <63U	NICKEL, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34929	NICKEL SS >63U	NICKEL, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34930	NIOBIUM BM<63 WSF	NIOBIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34931	NIOBIUM BM<180WSF	NIOBIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34932	NIOBIUM BM<63 DSL	NIOBIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34933	NIOBIUM SS <63U	NIOBIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34934	NIOBIUM SS >63U	NIOBIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34935	PHOSPHORUS BM<63 WS	PHOSPHORUS, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, PERCENT
34936	PHOSPHORUS BM<180WS	PHOSPHORUS, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, PERCENT
34937	PHOSPHORUS BM<63 DS	PHOSPHORUS, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, PERCENT
34938	PHOSPHORUS SS <63U	PHOSPHORUS, SEDIMENT, SUSPENDED, <63U, TOTAL, PERCENT
34939	PHOSPHORUS SS >63U	PHOSPHORUS, SEDIMENT, SUSPENDED, >63U, TOTAL, PERCENT
34940	POTASSIUM BM<63 WSF	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, PERCENT
34941	POTASSIUM BM<180WSF	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, PERCENT
34942	POTASSIUM BM<63 DSL	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, PERCENT
34943	POTASSIUM SS <63U	POTASSIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, PERCENT
34944	POTASSIUM SS >63U	POTASSIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, PERCENT
34945	SCANDIUM BM<63 WSF	SCANDIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34946	SCANDIUM BM<180WSF	SCANDIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34947	SCANDIUM BM<63 DSL	SCANDIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34948	SCANDIUM SS <63U	SCANDIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34949	SCANDIUM SS >63U	SCANDIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34950	SELENIUM BM<63 WSF	SELENIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34951	SELENIUM BM<180WSF	SELENIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34952	SELENIUM BM<63 DSL	SELENIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34953	SELENIUM SS <63U	SELENIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34954	SELENIUM SS >63U	SELENIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34955	SILVER BM<63 WSF	SILVER, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34956	SILVER BM<180WSF	SILVER, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34957	SILVER BM<63 DSL	SILVER, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34958	SILVER SS <63U	SILVER, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34959	SILVER SS >63U	SILVER, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34960	SODIUM BM<63 WSF	SODIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, PERCENT
34961	SODIUM BM<180WSF	SODIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, PERCENT
34962	SODIUM BM<63 DSL	SODIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, PERCENT
34963	SODIUM SS <63U	SODIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, PERCENT
34964	SODIUM SS >63U	SODIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, PERCENT
34965	STRONTIUM BM<63 WSF	STRONTIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34966	STRONTIUM BM<180WSF	STRONTIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34967	STRONTIUM BM<63 DSL	STRONTIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34968	STRONTIUM SS <63U	STRONTIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34969	STRONTIUM SS >63U	STRONTIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34970	SULFUR BM<63 WSF	SULFUR, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34971	SULFUR BM<180WSF	SULFUR, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34972	SULFUR BM<63 DSL	SULFUR, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34973	SULFUR SS <63U	SULFUR, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34974	SULFUR SS >63U	SULFUR, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34975	TANTALUM BM<63 WSF	TANTALUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34976	TANTALUM BM<180WSF	TANTALUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34977	TANTALUM BM<63 DSL	TANTALUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34978	TANTALUM SS <63U	TANTALUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34979	TANTALUM SS >63U	TANTALUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34980	THORIUM BM<63 WSF	THORIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34981	THORIUM BM<180WSF	THORIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G

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34982	THORIUM BM<63 DSL	THORIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34983	THORIUM SS <63U	THORIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34984	THORIUM SS >63U	THORIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
34985	TIN BM<63 WSF	TIN, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34986	TIN BM<180WSF	TIN, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34987	TIN BM<63 DSL	TIN, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34988	AROCLOR 1221 PCB T.	AROCLOR 1221 PCB TOTAL (UG/L)
34991	TITANIUM BM<180WSF	TITANIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, PERCENT
34992	TITANIUM BM<63 DSL	TITANIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, PERCENT
34993	TITANIUM SS <63U	TITANIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, PERCENT
34994	TITANIUM SS >63U	TITANIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, PERCENT
34995	TUNGSTEN BM<63 WSF	TUNGSTEN, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
34996	TUNGSTEN BM<180WSF	TUNGSTEN, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
34997	TUNGSTEN BM<63 DSL	TUNGSTEN, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
34998	TUNGSTEN SS <63U	TUNGSTEN, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
34999	TUNGSTEN SS >63U	TUNGSTEN, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
35000	URANIUM BM<63 WSF	URANIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
35001	URANIUM BM<180WSF	URANIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
35002	URANIUM BM<63 DSL	URANIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
35003	URANIUM SS <63U	URANIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
35004	URANIUM SS >63U	URANIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
35005	VANADIUM BM<63 WSF	VANADIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
35006	VANADIUM BM<180WSF	VANADIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
35007	VANADIUM BM<63 DSL	VANADIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
35008	VANADIUM SS <63U	VANADIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
35009	VANADIUM SS >63U	VANADIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
35010	YTTRIUM BM<63 WSF	YTTRIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
35011	YTTRIUM BM<180WSF	YTTRIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
35012	YTTRIUM BM<63 DSL	YTTRIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
35013	YTTRIUM SS <63U	YTTRIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
35014	YTTRIUM SS >63U	YTTRIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
35015	YTTERBIUM BM<63 WSF	YTTERBIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
35016	YTTERBIUM BM<180WSF	YTTERBIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
35017	YTTERBIUM BM<63 DSL	YTTERBIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
35018	YTTERBIUM SS <63U	YTTERBIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
35019	YTTERBIUM SS >63U	YTTERBIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
35020	ZINC BM<63 WSF	ZINC, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
35021	ZINC BM<180WSF	ZINC, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
35022	ZINC BM<63 DSL	ZINC, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
35023	ZINC SS <63U	ZINC, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
35024	ZINC SS >63U	ZINC, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
35025	ZIRCONIUM BM<63 WSF	ZIRCONIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, WET SIEVE, FIELD, TOTAL, UG/G
35026	ZIRCONIUM BM<180WSF	ZIRCONIUM, SEDIMENT, BOTTOM MATERIAL, < 180U, WET SIEVE, FIELD, TOTAL, UG/G
35027	ZIRCONIUM BM<63 DSL	ZIRCONIUM, SEDIMENT, BOTTOM MATERIAL, < 63U, DRY SIEVE, LAB, TOTAL, UG/G
35028	ZIRCONIUM SS <63U	ZIRCONIUM, SEDIMENT, SUSPENDED, <63U, TOTAL, UG/G
35029	ZIRCONIUM SS >63U	ZIRCONIUM, SEDIMENT, SUSPENDED, >63U, TOTAL, UG/G
35030	BISMUTH SUS SED	BISMUTH, SEDIMENT, SUSPENDED, TOTAL, UG/G
35031	COBALT SUS SED	COBALT, SEDIMENT, SUSPENDED, TOTAL, UG/G
35032	EUROPIUM SUS SED	EUROPIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35033	GALLIUM SUS SED	GALLIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35034	GERMANIUM SUS SED	GERMANIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35035	HOLMIUM SUS SED	HOLMIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35036	LANTHANUM SUS SED	LANTHANUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35037	NEODYMIUM SUS SED	NEODYMIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35038	NIOBIUM SUS SED	NIOBIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35039	SCANDIUM SUS SED	SCANDIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35040	STRONTIUM SUS SED	STRONTIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35041	SULFUR SUS SED	SULFUR, SEDIMENT, SUSPENDED, TOTAL, UG/G
35042	TANTALUM SUS SED	TANTALUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35043	THORIUM SUS SED	THORIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35044	TIN SUS SED	TIN, SEDIMENT, SUSPENDED, TOTAL, UG/G

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35045	TUNGSTEN SUS SED	TUNGSTEN, SEDIMENT, SUSPENDED, TOTAL, UG/G
35046	URANIUM SUS SED	URANIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35047	YTTRIUM SUS SED	YTTRIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35048	YTTERBIUM SUS SED	YTTERBIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35049	ZIRCONIUM SUS SED	ZIRCONIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35050	LITHIUM SUS SED	LITHIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
35051	CERIUM SUS SED	CERIUM, SEDIMENT, SUSPENDED, TOTAL, UG/G
38260	DETERGENTS (MBAS)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
38401	AMETRYN DISS, REC	AMETRYN, WATER, DISSOLVED, RECOVERABLE, MICROGRAMS PER LITER
38418	BARBAN W WH REC	BARBAN, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38423	CHLORONEB W WH REC	CHLORONEB, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38477	LINURON W WH REC	LINURON, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38486	MCPB UNF REC	MCPB, WATER, UNFILTERED, RECOVERABLE, UG/L
38521	NEBURON W WH REC	NEBURON, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38535	PROPAZINE, DISS, REC	PROPAZINE, WATER, DISSOLVED, RECOVERABLE, MICROGRAMS PER LITER
38542	SECBUMETON W WH REC	SECBUMETON, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38554	SWEP W WH REC	SWEP, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38564	TOKUTHION,TOTAL	TOKUTHION, WATER, WHOLE, TOTAL, (UG/L)
38574	TRIFLURALIN DISS REC	TRIFLURALIN, WATER, DISSOLVED, RECOVERABLE, MICROGRAMS PER LITER
38710	BENTAZON UNF REC	BENTAZON, WATER, UNFILTERED, RECOVERABLE, UG/L
38715	BOLSTAR,TOTAL	BOLSTAR, WATER, WHOLE, TOTAL, (UG/L)
38740	CHLORPYRIFOS,METH W	CHLORPYRIFOS, Methyl-, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38760	DIBROMOCHLOR-PROPAN	PROPANE, DIBROMOCHLORO-, WATER, UNFILTERED, RECOVERABLE, U G/L
38787	ETHALFLURALIN WH RE	ETHALFLURALIN, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38792	ETRIDIAZOLE W WH RE	ETRIDIAZOLE, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38810	FLUOMETURON W WH RE	FLUOMETURON, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38855	NALED,TOTAL	NALED, WATER, WHOLE, TOTAL, (UG/L)
38865	OXAMYL UNF REC	OXAMYL, WATER, WHOLE, RECOVERABLE, UG/L
38872	PROFLURALIN W WH RE	PROFLURALIN, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38877	STIROPHOS,TOTAL	STIROPHOS, WATER, WHOLE, TOTAL, (UG/L)
38887	TERBUTRYN WH, REC	TERBUTRYN, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38888	TERBUTRYN DISS, REC	TERBUTRYN, WATER, DISSOLVED, RECOVERABLE, MICROGRAMS PER LITER
38890	TERBUTRYN BM DRY WGT	TERBUTRYN, SEDIMENT, BOTTOM MATERIAL, DRY WEIGHT, RECOVERABLE, MICROGRAMS PER KILOGRAM
38892	TRIADIMEFON W WH RE	TRIADIMEFON, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38897	TRICHLORONATE,TOTAL	TRICHLORONATE, WATER, WHOLE, TOTAL, (UG/L)
38902	TRICYCLAZOLE WH REC	TRICYCLAZOLE, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38928	ETHYLENETHIOUREA RE	1,3-ETHYLENETHIOUREA, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
38929	FENAMIPHOS W WH REC	FENAMIPHOS, WATER, WHOLE, RECOVERABLE, UG/L
38930	PICLORAM BOT. MAT.	PICLORAM, BOTTOM MATERIAL, TOTAL RECOVERABLE, DRY WEIGHT, UG/KG
38931	DICAMBA BOT. MAT.	DICAMBA, BOTTOM MATERIAL, TOTAL RECOVERABLE, DRY WEIGHT, UG/KG
38932	CHLORPYRIFOS	CHLORPYRIFOS, TOTAL, RECOVERABLE (UG/L)
38933	CHLORPYRIFOS, DISS	CHLORPYRIFOS DISSOLVED,UG/L
38934	CHOLRPYRIFOS REC.BOT	CHLORPYRIFOS,RECOVERABLE FROM BOTTOM MATERIAL,UG/KG
39005	COUMAPHOS,TOTAL	COUMAPHOS, WATER,WHOLE, TOTAL, (UG/L)
39009	DIMETHOATE,TOTAL	DIMETHOATE, WATER, WHOLE, TOTAL, (UG/L)
39011	DISYSTON	DISYSTON TOTAL (UG/L)
39023	PHORATE TOTAL	PHORATE TOTAL (UG/L)
39024	PROPAZINE	PROPAZINE TOTAL (UG/L)
39025	SIMAZINE TOTAL-CC	SIMAZINE, TOTAL, COULSON COND. (UG/L)
39030	TRIFLURALIN,TOT RECV	TRIFLURALIN, TOTAL RECOVERABLE (UG/L)
39032	PETACHLOROPHENOL T.	PENTACHLOROPHENOL TOTAL (UG/L)
39034	PERTHANE TOTAL	PERTHANE, TOTAL (UG/L)
39036	ALKALINITY,D,FE,F	ALKALINITY, WATER, DISSOLVED, FIXED ENDPOINT, FIELD, AS CAC O3, MG/L
39040	DEF,TOTAL	DEF, TOTAL (UG/L)
39046	SIMAZINE BTM	SIMAZINE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39050	DEF BTM	DEF IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39051	METHOMYL TOTAL	METHOMYL, TOTAL (UG/L)
39052	PROPHAM TOTAL	PROPHAM, TOTAL (UG/L)
39053	ALDICARB TOTAL	ALDICARB, TOTAL (UG/L)
39054	SIMETRYNE TOTAL	SIMETRYNE, TOTAL (UG/L)

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39055	SIMAZINE TOTAL UG/L	SIMAZINE, TOTAL (UG/L)
39056	PROMETONE TOTAL	PROMETONE, TOTAL (UG/L)
39057	PROMETRYNE TOTAL	PROMETRYNE, TOTAL (UG/L)
39061	PENTACHLOROPHENOL B.	PENTACHLOROPHENOL BOTTOM MATERIAL (UG/KG)
39062	CHLORDANE, CIS.TOT.	CHLORDANE, CIS ISOMER, WATER, WHOLE, TOTAL (UG/L)
39065	CHLORDANE, TRANS.T	CHLORDANE, TRANS ISOMER, WATER, WHOLE, TOTAL (UG/L)
39071	CHLORDANE-NONACHLOR	CHLORDANE-NONACHLOR, TRANS ISOMER, WATER, WHOLE, TOTAL (UG/L)
39076	ALPHA BHC T.BOT.MAT	ALPHA BHC TOTAL IN BOTTOM MATERIAL TOTAL (UG/KG)
39080	BENZAMIED W WH REC	BENZAMIDE, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
39082	1,2-DIBROMOETHYLENE	1,2-DIBROMOETHYLENE, TOTAL, UG/L
39086	ALKALINITY,DIS,IT,F	ALKALINITY, WATER, DISSOLVED, TOTAL, INCREMENTAL TITRATION, FIELD, MG/L AS CACO3
39087	ALKALINITY,DIS,IT,L	ALKALINITY, WATER, DISSOLVED, TOTAL, INCREMENTAL TITRATION, LAB, MG/L AS CACO3
39100	BIS (2-ETHYLHEXYL)	BIS (2-ETHYLHEXYL) PHTHALATE, WHOLE, WATER, (UG/L)
39102	2ETHHEXYLPHTHALATE	BIS (2-ETHYLHEXYL) PHTHALATE BOTTOM MATERIAL (UG/KG)
39103	BIS (2-ETHYLHEXYL)	BIS (2-ETHYLHEXYL) PHTHALATE DISSOLVED (UG/L)
39104	BIS (2-ETHYLHEXYL)	BIS (2-ETHYLHEXYL) PHTHALATE SUSPENDED (UG/L)
39110	DINBUTYLPHthalate T.	DINBUTYLPHthalate TOTAL (UG/L)
39112	DINBUTYLPHthalate B.	DINBUTYLPHthalate BOTTOM MATERIAL (UG/KG)
39114	DINBUTYLPHthalate S.	DINBUTYLPHthalate SUSPENDED (UG/L)
39120	BENZIDINE TOTAL	BENZIDINE TOTAL (UG/L)
39121	BENZIDINE BOT. MAT.	BENZIDINE BOTTOM MATERIAL (UG/KG)
39175	VINYLCHLORIDE	VINYLCHLORIDE TOTAL (UG/L)
39180	TRICHLOROETHYLENE	TRICHLOROETHYLENE TOTAL (UG/L)
39250	PCN TOTAL (WATER)	NAPHTHALENES, POLYCHLORINATED (UG/L)
39251	PCN TOTAL BTM DRY	PCN,TOTAL IN BOTTOM MATERIAL, DRY WT (UG/KG)
39300	P,P' DDT TOTAL	P,P' DDT, TOTAL (UG/L)
39301	P,P' DDT BTM	P,P' DDT IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39305	O,P' DDT TOTAL	O,P' DDT, TOTAL (UG/L)
39306	O,P' DDT BTM	O,P' DDT IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39310	P,P' DDD TOTAL	P,P' DDD, TOTAL (UG/L)
39311	P,P' DDD BTM	P,P' DDD IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39315	O,P' DDD TOTAL	O,P' DDD, TOTAL (UG/L)
39316	O,P' DDD TOTAL IN B.	O,P' DDD TOTAL IN BOTTOM MATERIAL (UG/KG)
39320	P,P' DDE TOTAL	P,P' DDE TOTAL (UG/L)
39321	P,P' DDE BTM	P,P' DDE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39327	O,P' DDE TOTAL	O,P' DDE, TOTAL (UG/L)
39328	O,P' DDE BTM	O,P' DDE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39330	ALDRIN TOTAL (WATER)	ALDRIN, TOTAL (UG/L)
39331	ALDRIN DISSOLVED	ALDRIN, DISSOLVED (UG/L)
39332	ALDRIN SUSPENDED	ALDRIN, SUSPENDED TOTAL (UG/L)
39333	ALDRIN BTM UG/KG	ALDRIN IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39337	ALPHA BHC	ALPHA BHC TOTAL (UG/L)
39338	BETA BENZENE HEXAChL	BETA BENZENE HEXACHLORIDE TOTAL (UG/L)
39340	LINDANE TOTAL(WATER)	LINDANE, TOTAL (UG/L)
39341	LINDANE DISSOLVED	LINDANE, DISSOLVED (UG/L)
39342	LINDANE SUSPENDED	LINDANE, SUSPENDED TOTAL (UG/L)
39343	LINDANE BTM UG/KG	LINDANE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39348	CHLORDANE,ALPHA WH	CHLORDANE, ALPHA, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
39350	CHLORDANE TOT(WATER)	CHLORDANE, TOTAL (UG/L)
39351	CHLORDANE BTM UG/KG	CHLORDANE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39352	CHLORDANE DISSOLVED	CHLORDANE, DISSOLVED (UG/L)
39353	CHLORDANE SUSPENDED	CHLORDANE, SUSPENDED TOTAL (UG/L)
39356	METOLACHLOR (DUAL)	METOLACHLOR (DUAL) IN WHOLE WATER SAMPLE (UG/L)
39357	RONNEL,TOTAL	RONNEL, WATER, WHOLE, TOTAL, (UG/L)
39360	DDD TOTAL (WATER)	DDD, TOTAL (UG/L)
39361	DDD DISSOLVED	DDD, DISSOLVED (UG/L)
39362	DDD SUSPENDED	DDD, SUSPENDED TOTAL (UG/L)
39363	DDD BTM	DDD IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39365	DDE TOTAL (WATER)	DDE, TOTAL (UG/L)
39366	DDE DISSOLVED	DDE, DISSOLVED (UG/L)

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39367	DDE SUSPENDED	DDE, SUSPENDED TOTAL (UG/L)
39368	DDE BTM	DDE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39370	DDT TOTAL (WATER)	DDT, TOTAL (UG/L)
39371	DDT DISSOLVED	DDT, DISSOLVED (UG/L)
39372	DDT SUSPENDED	DDT, SUSPENDED TOTAL (UG/L)
39373	DDT BTM	DDT IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39380	DIELDRIN TOT (WATER)	DIELDRIN, TOTAL (UG/L)
39381	DIELDRIN DISSOLVED	DIELDRIN, DISSOLVED (UG/L)
39382	DIELDRIN SUSPENDED	DIELDRIN, SUSPENDED TOTAL (UG/L)
39383	DIELDRIN BTM	DIELDRIN IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39388	ENDOSULFAN I TOTAL	ENDOSULFAN, TOTAL (UG/L)
39389	ENDOSULFANE BTM DWT	ENDOSULFANE, TOTAL IN BOTTOM MATERIAL, DRY WT (UG/KG)
39390	ENDRIN UNF REC	ENDRIN, WATER, UNFILTERED, RECOVERABLE, UG/L
39391	ENDRIN DISSOLVED	ENDRIN, DISSOLVED (UG/L)
39392	ENDRIN SUSPENDED	ENDRIN, SUSPENDED TOTAL (UG/L)
39393	ENDRIN BTM	ENDRIN IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39398	ETHION TOTAL (WATER)	ETHION, TOTAL (UG/L)
39399	ETHION BTM	ETHION IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39400	TOXAPHENE TOT(WATER)	TOXAPHENE, TOTAL (UG/L)
39401	TOXAPHENE DISSOLVED	TOXAPHENE, DISSOLVED (UG/L)
39402	TOXAPHENE SUSPENDED	TOXAPHENE, SUSPENDED TOTAL (UG/L)
39403	TOXAPHENE BTM	TOXAPHENE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39410	HEPTACHLOR T.(WATER)	HEPTACHLOR, TOTAL (UG/L)
39411	HEPTACHLOR DISSOLVED	HEPTACHLOR, DISSOLVED (UG/L)
39412	HEPTACHLOR SUSPENDED	HEPTACHLOR, SUSPENDED TOTAL (UG/L)
39413	HEPTACHLOR BTM UG/KG	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39415	METOLACHLOR,WAT.DIS.	METOLACHLOR, WATER, DISSOLVED, UG/L
39420	HEPT EPOX TOT(WATER)	HEPTACHLOR EPOXIDE, TOTAL (UG/L)
39421	HEPT.EPOX. DISSOLVED	HEPTACHLOR EPOXIDE, DISSOLVED (UG/L)
39422	HEPT EPOX SUSPENDED	HEPTACHLOR EPOXIDE, SUSPENDED TOTAL (UG/L)
39423	HEPT EPOX BTM UG/KG	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39430	ISODRIN TOTAL	ISODRIN, TOTAL (UG/L)
39431	ISODRIN DISSOLVED	ISODRIN, DISSOLVED (UG/L)
39432	ISODRIN SUSPENDED	ISODRIN, SUSPENDED TOTAL (UG/L)
39433	ISODRIN BTM	ISODRIN IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39460	CHLOROBENZILATE TOT	CHLOROBENZILATE, TOTAL (UG/L)
39470	DILAN TOTAL	DILAN, TOTAL (UG/L)
39480	METHOXYCHLOR T.(WAT)	METHOXYCHLOR, TOTAL (UG/L)
39481	MTHXYCLR BTM UG/KG	METHOXYCHLOR IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)
39488	AROCLO 1221 PCB TOT	AROCLO 1221 PCB TOTAL UG/L
39491	ARCLOR 1221(BOT.MAT)	ARCLOR 1221 IN BOTTOM MATERIAL (UG/KG)
39492	AROCLO 1232 PCB T.	AROCLO 1232 PCB TOTAL (UG/L)
39495	AROCLO1232(BOT.MAT)	AROCLO 1232 IN BOTTOM MATERIAL (UG/KG)
39496	AROCLO 1242 PCB TOT	AROCLO 1242 PCB TOTAL (UG/L)
39499	AROCLO 1242 PCB	AROCLO 1242 PCB TOTAL IN BOTTOM MATERIAL (UG/KG)
39500	PCB,48%CL, T (A1248)	AROCLO 1248 PCB TOTAL (UG/L)
39501	PCB,48%CL, D (A1248)	AROCLO 1248 PCB DISSOLVED (UG/L)
39502	PCB,48%CL, S (A1248)	AROCLO 1248 PCB SUSPENDED (UG/L)
39503	AROCLOR	AROCLO 1248 PCB IN BOTTOM MATERIAL (UG/KG)
39504	PCB,54%CL, T (A1254)	AROCLO 1254 PCB TOTAL (UG/L)
39505	PCB,54%CL, D (A1254)	AROCLO 1254 PCB DISSOLVED (UG/L)
39506	PCB,54%CL, S (A1254)	AROCLO 1254 PCB SUSPENDED (UG/L)
39507	AROCLOR	AROCLO 1254 PCB IN BOTTOM MATERIAL (UG/KG)
39508	PCB,60%CL, T (A1260)	AROCLO 1260 PCB TOTAL (UG/L)
39509	PCB,60%CL, D (A1260)	AROCLO 1260 PCB DISSOLVED (UG/L)
39510	PCB,60%CL, S (A1260)	AROCLO 1260 PCB SUSPENDED (UG/L)
39511	PCB,60%CL, B (A1260)	AROCLO 1260 PCB TOTAL IN BOTTOM MATERIAL (UG/KG)
39514	AROCLO(1016)BOT.MAT	AROCLO 1016 PCB TOTAL IN BOTTOM MATERIAL (UG/KG)
39516	PCB TOTAL (WATER)	PCB, TOTAL (UG/L)
39517	PCB DISSOLVED	PCB, DISSOLVED (UG/L)
39518	PCB SUSPENDED	PCB, SUSPENDED TOTAL (UG/L)

CODE	SHORTNAME	LONGNAME
39519	PCB BTM	PCB IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39530	MALATHION TOT(WATER)	MALATHION, TOTAL (UG/L)
39531	MALATHION BTM UG/KG	MALATHION IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39532	MALATHION DISSOLVED	MALATHION, DISSOLVED (UG/L)
39533	MALATHION SUSPENDED	MALATHION, SUSPENDED TOTAL (UG/L)
39540	PARATHION TOT(WATER)	PARATHION, TOTAL (UG/L)
39541	PARATHION BTM UG/KG	PARATHION IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39542	PARATHION DISSOLVED	PARATHION, DISSOLVED (UG/L)
39543	PARATHION SUSPENDED	PARATHION, SUSPENDED TOTAL (UG/L)
39550	CHLOROTHION TOTAL	CHLOROTHION, TOTAL (UG/L)
39560	DEMETON W WH REC	DEMETON, WATER, WHOLE, RECOVERABLE, UG/L
39570	DIAZINON TOT (WATER)	DIAZINON, TOTAL (UG/L)
39571	DIAZINON BTM UG/KG	DIAZINON IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39572	DIAZINON DISSOLVED	DIAZINON, DISSOLVED (UG/L)
39573	DIAZINON SUSPENDED	DIAZINON, SUSPENDED TOTAL (UG/L)
39580	GUTHION TOTAL (UG/L)	GUTHION TOTAL (UG/L)
39590	HEPT	HEPT (UG/L)
39600	MET PARTH TOT(WATER)	METHYL PARATHION, TOTAL (UG/L)
39601	MET PARTH BTM UG/KG	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39602	METH. PARA. DISSOLVE	METHYL PARATHION, DISSOLVED (UG/L)
39603	METHYL PAR SUSPENDED	METHYL PARATHION, SUSPENDED TOTAL (UG/L)
39610	PHOSDRIN TOTAL	PHOSDRIN, TOTAL (UG/L)
39620	TEPP TOTAL	TEPP, TOTAL (UG/L)
39630	ATRAZINE UNF REC	ATRAZINE, WATER, UNFILTERED, RECOVERABLE, UG/L
39631	ATRAZINE BTM	ATRAZINE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39632	ATRAZINE, DISS, REC	ATRAZINE, WATER, DISSOLVED, RECOVERABLE, MICROGRAMS PER LITER
39640	CAPTAN W WH REC	CAPTAN, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
39650	DIURON W WH REC	DIURON, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
39700	HEXACHLOROBENZENE T.	HEXACHLOROBENZENE TOTAL (UG/L)
39701	HEXACHLOROBENZENE BM	HEXACHLOROBENZENE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39702	HEXACHLOROBUTADIENE	HEXACHLOROBUTADIENE TOTAL UG/L
39705	HEXACHLOROBUTADIENCE	HEXACHLOROBUTADIENCE BOTTOM MATERIAL (UG/KG)
39720	PICLORAM, TOTAL	PICLORAM, TORDON, AMDON, TOTAL (UG/L)
39730	2,4-D TOTAL (WATER)	2,4-D, TOTAL (UG/L)
39731	2,4-D BTM	2,4-D IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39732	2,4-D DISSOLVED	2,4-D, DISSOLVED (UG/L)
39733	2,4-D SUSPENDED	2,4-D, SUSPENDED TOTAL (UG/L)
39740	2,4,5-T TOTAL(WATER)	2,4,5-T, TOTAL (UG/L)
39741	2,4,5-T BTM	2,4,5-T IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39742	2,4,5-T DISSOLVED	2,4,5-T, DISSOLVED (UG/L)
39743	2,4,5-T SUSPENDED	2,4,5-T, SUSPENDED TOTAL (UG/L)
39750	SEVIN	SEVIN, TOTAL (UG/L)
39755	MIREX TOTAL	MIREX, TOTAL (UG/L)
39756	MIREX DISSOLVED	MIREX, DISSOLVED (UG/L)
39757	MIREX SUSPENDED	MIREX, SUSPENDED TOTAL (UG/L)
39758	MIREX BTM	MIREX, TOTAL IN BOTTOM MATERIALS, DRY WT (UG/KG)
39760	SILVEX TOTAL (WATER)	SILVEX, TOTAL (UG/L)
39761	SILVEX BTM	SILVEX IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39762	SILVEX DISSOLVED	SILVEX, DISSOLVED (UG/L)
39763	SILVEX SUSPENDED	SILVEX, SUSPENDED TOTAL (UG/L)
39770	DCPA UNF REC	DCPA, WATER, UNFILTERED, RECOVERABLE, UG/L
39771	DACTHAL,DCPA,WAT.DIS	DACTHAL, (DCPA), WATER, DISSOLVED, UG/L
39780	DICOFOL TOTAL	DICOFOL, TOTAL (UG/L)
39782	LINDANE TOTAL	LINDANE TOTAL (UG/L)
39786	ETH TRITH TOT(WATER)	TRITHION, TOTAL (UG/L)
39787	ETH TRITH BTM UG/KG	TRITHION IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39790	MET TRITH TOT(WATER)	METHYL TRITHION, TOTAL (UG/L)
39791	MET TRITH BTM UG/KG	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
39800	IMIDAN TOTAL	IMIDAN, TOTAL (UG/L)
39810	GAMMA CHLORDANE TOT	CHLORDANE, GAMMA, WATER, WHOLE, RECOVERABLE, UG/L
39811	GAMMA CHLORDANE BTM	GAMMA CHLORDANE IN BOTTOM MAT. (UG/KG DRY SOLIDS)

CODE	SHORTNAME	LONGNAME
39900	ALLETHRIN TOTAL	ALLETHRIN, TOTAL (UG/L)
39910	CINERIN TOTAL	CINERIN, TOTAL (UG/L)
39920	DNOC TOTAL	DNOC, TOTAL (UG/L)
39930	PYRETHRIN TOTAL	PYRETHRIN, TOTAL (UG/L)
41403	TILLAM W WH REC	TILLAM, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
45001	PRECIPITATION NUMBER	PRECIPITATION NUMBER DAYS SINCE .25 TO .5 INCH
45002	PRECIPITATION NUMBER	PRECIPITATION NUMBER DAYS SINCE 0.5 TO 1. INCH
45003	PRECIPITATION NUMBER	PRECIPITATION NUMBER DAYS SINCE OVER 1. INCH
45501	HYDROCARBONS,FREON,	HYDROCARBONS, PETROLEUM, WATER, FREON EXTRACTION, CHROMATOGRAPHY, IR, RECOVERABLE, (MG/L)
45584	GATE OPENING WIDTH M	GATE OPENING, WIDTH, IN METERS
45585	GATE OPENING WIDTH F	GATE OPENING, WIDTH, IN FEET
45586	LOCKAGE, COUNT	LOCKAGE, COUNT OF LOCK OPENINGS (UNITS)
45587	TEMPERATURE,INT.DCP	TEMPERATURE, INTERNAL, WITHIN DATA COLLECTION PLATFORM, IN DEGREES CENTIGRADE
45588	TEMPERATURE,INT.DCP	TEMPERATURE, INTERNAL, WITHIN DATA COLLECTION PLATFORM, IN DEGREES FAHRENHEIT
45589	TEMPERATURE,INT.EQ.S	TEMPERATURE, INTERNAL, WITHIN EQUIPMENT SHELTER, IN DEGREES CENTIGRADE
45590	TEMPERATURE,INT.EQ.S	TEMPERATURE, INTERNAL, WITHIN EQUIPMENT SHELTER, IN DEGREES FAHRENHEIT
45591	GATE OPENING HEIGHT	GATE OPENING, HEIGHT, IN METERS
45592	GATE OPENING HEIGHT	GATE OPENING, HEIGHT, IN FEET
45607	TEBUTHIURON W WH RE	TEBUTHIURON, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
45617	1,2DICHLETHENE,W.W.R	1,2-DICHLOROETHENE, WATER, WHOLE, RECOVERABLE, UG/L
45700	GATE OPENINGS,RES.	GATE OPENINGS, RESERVOIR, ALL GATES, FEET
46002	PHENOLS D-PHOTO	PHENOLS, DIRECT PHOTOMETRIC, NO DISTILLATION (UG/L)
46005	ALKALINITY,BR.THY.B	ALKALINITY, BROMOTHYMOL BLUE, WATER, WHOLE, MEQ/L
46342	ALACHLOR, DISS, REC.	ALACHLOR, WATER, DISSOLVED, RECOVERABLE, UG/L
46462	BED MATERIAL <.044M	SEDIMENT, BED MATERIAL, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 0.044 MM
46463	BED MATERIAL <0.77M	SEDIMENT, BED MATERIAL, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 0.71 MM
46464	BED LOAD <0.044 MM	SEDIMENT, BED LOAD, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 0.044 MM
46465	BED LOAD <0.088 MM	SEDIMENT, BED LOAD, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 0.088 MM
46466	BED LOAD <0.177 MM	SEDIMENT, BED LOAD, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 0.177 MM
46467	BED LOAD <0.35 MM	SEDIMENT, BED LOAD, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 0.35 MM
46468	BED LOAD <0.71 MM	SEDIMENT, BED LOAD, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 0.71 MM
46469	BED LOAD <1.41 MM	SEDIMENT, BED LOAD, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 1.41 MM
46470	BED LOAD <2.83 MM	SEDIMENT, BED LOAD, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 2.83 MM
46514	SOLAR RAD. UP LAN.	SOLAR RADIATION UP Langley (CAL/SQCM/MIN)
46515	SOLAR RAD. DOWN L.	SOLAR RADIATION DOWN Langley (CAL/SQCM/MIN)
46516	SOLAR RADIATION, NET	SOLAR RADIATION, NET (CAL/SQCM/MIN)
46529	PRECIPITATION INCHES	PRECIPITATION INCHES
46568	IRON, BIO. REACTIVE	IRON, BIOLOGICALLY REACTIVE TOTAL (UB/L AS FE)
46569	IRON, BIO. REACTIVE	IRON, BIOLOGICALLY REACTIVE TOTAL (TONS/DAY AS FE) 9
50047	FLOW MAX.D.24HR.P.	FLOW MAXIMUM DURING 24 HR. PERIOD (MGD)
50048	FLOW MIN.D.24HR.P.	FLOW MINIMUM DURING 24 HR. PERIOD (MGD)
50050	FLOW CONDUIT OR TP	FLOW IN CONDUIT OR THROUGH A TREATMENT PLANT (MGD)
50051	FLOW RATE INSTANT.	FLOW RATE INSTANTANEOUS (MGD)
50052	FLOW TOTAL DURING C.	FLOW TOTAL DURING COMPOSITE PERIOD (K GAL)
50054	STORM WATER OVERFLOW	STORM WATER OVERFLOW VOLUME MILLION GALLONS
50055	FLOW DEPTH IN PIPE	FLOW DEPTH IN PIPE CONDUIT, INCHES
50060	CL TOT-RESIDUAL	CHLORINE, TOTAL RESIDUAL (MG/L)
50064	CL FREE-AVAIL	CHLORINE, FREE AVAILABLE (MG/L)
50066	CL COMB-AVAIL	CHLORINE, COMBINED AVAILABLE (MG/L)
50086	SETTLEABLE MATTER	SETTLEABLE MATTER (ML/L/Hr)
60050	PHYTO TYPE-I C/ML	PHYTOPLANKTON, TOTAL (CELLS/ML)
70001	COMPOSITE LOC.CR.SEC	COMPOSITE LOCATION CROSS SECTION
70218	TIME BET STORM @ COL	TIME, INTERVAL BETWEEN STORM AND SAMPLE COLLECTIONS (HOURS)
70219	SOL VOL DRY D TOT ML	SOLUTION VOLUME, TOTAL, DRY DEPOSITION (ML)
70227	FL.DIR.AZIMUTH DEG.	FLOW DIRECT. AZIMUTH DEGREES MAGNETIC
70290	CHLORIDE DISSOLVED T	CHLORIDE, DISSOLVED (TONS PER DAY)
70291	SULFATE DISSOLVED T	SULFATE, DISSOLVED (TONS PER DAY)
70299	RESIDUE SUSPEN 110C	SOLIDS, RESIDUE AT 110 DEG. C, SUSPENDED TOTAL, (MG/L)
70300	RESIDUE DIS 180C	SOLIDS, RESIDUE ON EVAPORATION AT 180 DEG C, DISSOLVED (MG/L)

CODE	SHORTNAME	LONGNAME
70301	DISSOLVED SOLIDS SUM	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
70302	DISSOLVED SOLIDS	SOLIDS, DISSOLVED (TONS PER DAY)
70303	RESIDUE DIS TON/ACFT	SOLIDS, DISSOLVED (TONS PER ACRE-FOOT)
70309	COMPACTION SEDIMENT	COMPACTION SEDIMENT (FEET)
70314	CHLOROTHALONIL W RE	CHLOROTHALONIL, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
70326	SED-SUSP-FALL-N-.002	SEDIMENT, SUSPENDED, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .002 MM
70327	SED-SUSP-FALL-N-.004	SEDIMENT, SUSPENDED, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .004 MM
70328	SED-SUSP-FALL-N-.008	SEDIMENT, SUSPENDED, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .008 MM
70329	SED-SUSP-FALL-N-.016	SEDIMENT, SUSPENDED, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .016 MM
70330	SED-SUSP-FALL-N-.031	SEDIMENT, SUSPENDED, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .031 MM
70331	SED-SUSP-SIEVE-.062	SEDIMENT, SUSPENDED, SIEVE DIAMETER, PERCENT FINER THAN .062 MM
70332	SED-SUSP-SIEVE-.125	SEDIMENT, SUSPENDED, SIEVE DIAMETER, PERCENT FINER THAN .125 MM
70333	SED-SUSP-SIEVE-.250	SEDIMENT, SUSPENDED, SIEVE DIAMETER, PERCENT FINER THAN .250 MM
70334	SED-SUSP-SIEVE-.500	SEDIMENT, SUSPENDED, SIEVE DIAMETER, PERCENT FINER THAN .500 MM
70335	SED-SUSP-SIEVE-1.00	SEDIMENT, SUSPENDED, SIEVE DIAMETER, PERCENT FINER THAN 1.00 MM
70336	SED-SUSP-SIEVE-2.00	SEDIMENT, SUSPENDED, SIEVE DIAMETER, PERCENT FINER THAN 2.00 MM
70337	SED-SUSP-FALL-D-.002	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .002 MM
70338	SED-SUSP-FALL-D-.004	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .004 MM
70339	SED-SUSP-FALL-D-.008	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .008 MM
70340	SED-SUSP-FALL-D-.016	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .016 MM
70341	SED-SUSP-FALL-D-.031	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .031 MM
70342	SED-SUSP-FALL-D-.062	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .062 MM
70343	SED-SUSP-FALL-D-.125	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .125 MM
70344	SED-SUSP-FALL-D-.250	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .250 MM
70345	SED-SUSP-FALL-D-.500	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .500 MM
70346	SED-SUSP-FALL-D-1.00	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 1.00 MM
70347	SED-SUSP-FALL-D-2.00	SEDIMENT, SUSPENDED, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 2.00 MM
70348	SETTLEABLE SOLIDS	SETTLEABLE SOLIDS (ML/L)
70349	UNSETTLEABLE SOLIDS	UNSETTLEABLE SOLIDS (ML/L)
70507	PHOS ORTHO TOT AS P	PHOSPHORUS ORTHOPHOSPHATE, TOTAL (MG/L AS P)
70508	ACIDITY TOTAL HEATED	ACIDITY TOTAL HEATED (MG/L AS CACO3)
70940	INV BENTHIC WET WT	INVERTEBRATES, BENTHIC, WET WEIGHT (G/SQ METER)
70941	INV BENTHIC DRY WT	INVERTEBRATES, BENTHIC, DRY WEIGHT (G/SQ METER)
70942	INV BENTHIC ASH WT	INVERTEBRATES, BENTHIC, ASH WEIGHT (G/SQ METER^)
70943	INV BENTHIC TOT O/M2	INVERTEBRATES, BENTHIC, TOTAL (ORGANISMS/SQ M)
70944	MACROPHYTES TOT N/M2	MACROPHYTES, TOTAL (NUMBER/SQ METER)
70945	PERI TOT CELLS/MM2	PERIPHYTON, TOTAL (CELLS/SQ MILLIMETER)
70946	ZOO PLK TOT ORG/M3	ZOOPLANKTON, TOTAL (ORGANISMS/ CU M)
70947	ZOOPLANKTON DRY G/M3	ZOOPLANKTON, DRY WEIGHT (G/CU METER)
70948	ZOOPLANKTON ASH G/M3	ZOOPLANKTON, ASH WEIGHT (G/CU METER)
70949	BIO CHL RATIO PLANK	BIOMASS-CHLOROPHYLL RATIO, PLANKTON (UNITS)
70950	BIO CHL RATIO PERI	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)
70951	CHLORO-A PHYTO CS	CHLOROPHYLL-A, PHYTOPLANKTON, CHROMOTOGRAFIC- SPECTROPHOTOMETRIC (UG/L)
70952	CHLORO-B PHYTO CS	CHLOROPHYLL-B, PHYTOPLANKTON, CHROMOTOGRAFIC- SPECTROPHOTOMETRIC (UG/L)
70953	CHL-A PHY CHROMA FL	CHLOROPHYLL-A, PHYTOPLANKTON, CHROMOTOGRAFIC- FLUOROMETRIC (UG/L)
70954	CHLOROPHYLL-B, PHYT.	CHLOROPHYLL-B, PHYTOPLANKTON, CHROMOTOGRAFIC- FLUOROMETRIC (UG/L)
70955	CHLORO-A PERI CS	CHLOROPHYLL-A, PERIPHYTON, CHROMOTOGRAFIC- SPECTROPHOTOMETRIC (MG/SQ M)
70956	CHL-B PR CH-FL MG/M2	CHLOROPHYLL-B, PERIPHYTON, CHROMOTOGRAFIC- SPECTROPHOTOMETRIC (MG/SQ M)
70957	CHL-A PR CH-FL MG/M2	CHLOROPHYLL-A, PERIPHYTON, CHROMOTOGRAFIC- FLUOROMETRIC (MG/SQ M)
70958	CHL-B PR CH-FL MG/M2	CHLOROPHYLL-B, PERIPHYTON, CHROMOTOGRAFIC- FLUOROMETRIC (MG/SQ M)
70959	PROD PRI G-MG/M3/DAY	PRODUCTIVITY, PRIMARY, GROSS (MG 02/CU METER/DAY)
70960	PROD PRI G-MG/M2/DAY	PRODUCTIVITY, PRIMARY, GROSS (MG 02/SQ METER/DAY)
70961	PROD PRI G-MGC/M3/DY	PRODUCTIVITY, PRIMARY, GROSS (MG C/CU METER/DAY)
70962	PROD PRI G-MGC/M2/DY	PRODUCTIVITY, PRIMARY, GROSS (MG C/SQ METER/DAY)
70963	PROD PRI NET C2/M3/D	PRODUCTIVITY, PRIMARY, NET (MG 02/CU METER/DAY)
70964	PROD PRI NET O2/M2/D	PRODUCTIVITY, PRIMARY, NET (MG 02/SQ METER/DAY)
70965	PROD PRI NET C/M3/DY	PRODUCTIVITY, PRIMARY, NET (MG C/CU METER/DAY)
70966	PROD PRI NET C/M2/DY	PRODUCTIVITY, PRIMARY, NET (MG C/SQ METER/DAY)
70967	RESPIRATION O2/M3/D	RESPIRATION (MG 02/CU METER/DAY)
70968	RESPIRATION O2/M2/D	RESPIRATION (MG 02/SQ METER/DAY)
70969	BATTERY VOLTAGE	BATTERY VOLTAGE (VOLTS)

CODE	SHORTNAME	LONGNAME
70971	LIGHT ATT COEF	LIGHT, ATTENUATION COEFFICIENT (ALPHA/M)
70988	ALGAL GROWTH POTENT	ALGAL GROWTH POTENTIAL (MG/L)
70998	ADENOSINE TRIPHOSPHT	ADENOSINE TRIPHOSPHATE (UG/L)
71100	SESTON TOTAL	SESTON, TOTAL (MG/L)
71101	SESTON ASH WT	SESTON, ASH WEIGHT (MG/L)
71200	SALMONELLA	SALMONELLA, MEMBRANE FILTER (COLONIES/100 ML)
71220	PSEUDO.AERUGINOSA MF	PSEUDOMONAS AERUGINOSA MF (COLS./100 ML)
71350	COSMARIUM SPECIES	COSMARIUM SPECIES (NUMBER PER LITER)
71820	DENSITY AT 20 C	DENSITY (GM/ML AT 20 DEG C)
71825	ACIDITY AS H+	ACIDITY, TOTAL, HEATED (MG/L AS H)
71830	HYDROXIDE,WH,FET,F	HYDROXIDE, WATER, WHOLE, FIXED ENDPOINT TITRATION, FIELD, MG/L AS OH
71831	HYDROXIDE,WH,IT,L	HYDROXIDE, WATER, WHOLE, INCREMENTAL TITRATION, LAB, MG/L AS OH
71832	HYDROXIDE,WH,IT,F	HYDROXIDE, WATER, WHOLE, INCREMENTAL TITRATION, FIELD, MG/L AS OH
71833	HYDROXIDE,WH,FET,L	HYDROXIDE, WATER, WHOLE, FIXED ENDPOINT TITRATION, LAB, MG/L AS OH
71834	HYDROXIDE,DIS,IT,F	HYDROXIDE, WATER, DISSOLVED, INCREMENTAL TITRATION, FIELD, MG/L AS OH
71835	OXYGEN CONSUMED FIL	OXYGEN CONSUMED - FILTERED (MG/L)
71840	OXYGEN CONSUMED UFIL	OXYGEN CONSUMED - UNFILTERED (MG/L)
71845	NITROGEN, NH4, TOTAL	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)
71846	NITR. NH4 AS NH4 DIS	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)
71850	N, NITRATE TOTAL	NITROGEN, NITRATE, TOTAL (MG/L AS NO3)
71851	NITR. NO3 AS NO3 DIS	NITROGEN, NITRATE, DISSOLVED (MG/L AS NO3)
71855	N, NITRITE TOTAL	NITROGEN, NITRITE, TOTAL (MG/L AS NO2)
71856	NITR. NO2 AS NO2 DIS	NITROGEN, NITRITE, DISSOLVED (MG/L AS NO2)
71860	RES SODIUM CARBONATE	RESIDUAL SODIUM CARBONATE (MG/L AS CACO3)
71865	IODIDE DISSOLVED	IODIDE, DISSOLVED (MG/L AS I)
71866	IODINE, TOTAL ELEM.	IODINE, TOTAL, ELEMENTAL (MG/L AS I)
71870	BROMIDE DISSOLVED	BROMIDE, DISSOLVED (MG/L AS BR)
71871	BROMINE,TOTAL ELEM.	BROMINE, TOTAL, ELEMENTAL (MG/L AS BR)
71875	HYDROGEN SULFIDE	HYDROGEN SULFIDE (MG/L AS H2S)
71876	RESIN ACID SOAP	RESIN ACID SOAP (MG/L)
71880	FORMALDEHYDE	FORMALDEHYDE (MG/L)
71883	MANGANESE	MANGANESE (UG/L AS MN)
71885	IRON	IRON (UG/L AS FE)
71886	PHOSPHORUS TOT PO4	PHOSPHORUS TOTAL (MG/L AS PO4)
71887	NITROGEN, TOTAL -NO3	NITROGEN, TOTAL (MG/L AS NO3)
71888	PHOSPHORUS, DISS	PHOSPHORUS DISSOLVED (MG/L AS PO4)
71890	MERCURY DISSOLVED	MERCURY, DISSOLVED (UG/L AS HG)
71895	MERCURY SUSPENDED	MERCURY, SUSPENDED HG)RECOVERABLE (UG/L AS HG)
71900	MERCURY, TOT.REC.	MERCURY, TOTAL RECOVERABLE (UG/L AS HG)
71901	MERCURY TOTAL REC.	MERCURY TOTAL RECOVERABLE (UG/L)
71910	GOLD TOTAL	GOLD TOTAL (UG/L AS AU)
71921	MERCURY BTM	MERCURY, RECOVERABLE FROM BOTTOM MATERIAL, UG/G AS HG
71994	VOL. WAT. FILT. (L)	VOLUME OF WATER FILTERED (LITERS)
71995	WATER USE, PRIMARY	WATER USE, PRIMARY (CODES)
71996	WATER USE, SECONDARY	WATER USE, SECONDARY (CODES)
71997	WATER USE, TERTIARY	WATER USE, TERTIARY (CODES)
71998	WATER USE,QUATERNARY	WATER USE, QUATERNARY (CODES)
71999	SAMPLE PURPOSE	SAMPLE PURPOSE (CODES)
72000	ELEV.LSD(FT.AB.NGVD)	ELEVATION OF LAND SURFACE DATUM (LSD) (FEET NGVD)
72001	DEPTH OF HOLE IN FT.	DEPTH OF HOLE, TOTAL (FEET)
72002	DEPTH-TOP.WATER ZONE	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FEET)
72003	DEPTH-BOT.WATER ZONE	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FEET)
72004	PUMP PERIOD (MIN)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)
72005	SAMPLE SOURCE	SAMPLE SOURCE (CODES)
72006	SAMPLING CONDITION	SAMPLING CONDITION (CODES)
72008	DEPTH OF WELL IN FT.	DEPTH OF WELL, TOTAL (FEET)
72010	RESISTIVITY	RESISTIVITY (OHM-METERS)
72012	TEMP SP GRAVITY	SPECIFIC GRAVITY, TEMPERATURE (DEG. C)
72013	SPECIFIC GRAVITY	SPECIFIC GRAVITY
72014	TEMP RESISTIVITY	TEMPERATURE, RESISTIVITY (DEG. C)
72015	DEPTH TOP OF SAM.FT.	DEPTH TO TOP OF SAMPLE INTERVAL (FEET BELOW LSD)

CODE	SHORTNAME	LONGNAME
72016	DPTH BOT. OF SAM.FT.	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FEET BELOW LSD)
72019	DEPTH BELOW LAND S.	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
72020	ELEVATION	ELEVATION (FEET NGVD)
72021	RES STORAGE CFS-DAYS	RESERVOIR STORAGE (CFS-DAYS)
72022	RES STORAGE (MGAL)	CONTENTS, IN MILLIONS OF GALLONS
72023	RES STORAGE (MFT3)	RESERVOIR STORAGE (MILLIONS OF CUBIC FEET)
72024	POND STORAGE, GAL.	POND STORAGE, GALLONS
72025	DEPTH RESERVOIR (FT)	DEPTH OF RESERVOIR (FEET)
72027	AZIMUTH FROM OUTLET	AZIMUTH FROM OUTLET (DEGREES)
72028	AZIMUTH SMOST POINT	AZIMUTH FROM SOUTHERNMOST POINT (DEGREES)
72029	DISTANCE OUTLET (FT)	DISTANCE FROM OUTLET OR SOUTHERNMOST POINT (FEET)
72036	RESERVOIR STORAGE	RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET
72040	DRAWDOWN OBSERVED	DRAWDOWN OBSERVED (FEET)
72050	YIELD-WELLMON.M.GAL	WITHDRAWAL OF GROUND WATER (MILLIONS OF GALLONS PER MONTH)
72051	YIELD-WELL-ANN.M.GAL	WITHDRAWAL OF GROUND WATER (MILLIONS OF GALLONS PER YEAR)
72103	SAMPLE LOC FT FR RTB	SAMPLE LOCATION, RIGHT BANK (LOOKING DOWNSTREAM) (FEET)
72104	SAMP LOC DISTDOWN FT	SAMPLE LOCATION, DISTANCE DOWNSTREAM (FEET)
72105	SAMP LOC DIST UPS FT	SAMPLE LOCATION, DISTANCE UPSTREAM (FEET)
72106	ELEV. OF SAMPLE (FT)	ELEVATION OF SAMPLE (FEET)
72111	DRGS ERROR CODE	DRGS TRANSMISSION ERROR CODES
72112	DCP (S+N)/N	DCP SIGNAL TO NOISE RATIO
72113	DCP MODULATION INDEX	DCP SIGNAL MODULATION INDEX
72114	DCP EIRP	ESTIMATE OF DCP TRANSMITTED POWER
72115	DCP FREQUENCY DRIFT	DCP FREQUENCY OFFSET FROM CHANNEL CENTER
72116	DCP BAD CHARACTERS	NUMBER OF BAD CHARACTERS TRANSMITTED BY DCP
72117	DCP DEL.DELAY TIME	DATA COLLECTION PLATFORM TRANSMISSION DELIVERY DELAY TIME, IN MINUTES
3085	METHANE, BROMOCHLORO	METHANE, BROMOCHLORO, WATER, UNFILTERED, RECOVERABLE, MICROGRAMS PER LITER
74010	IRON TOTAL	IRON, TOTAL (MG/L AS FE) (NOT FOR WRD USE)
74082	STREAMFLOW, DAILY	STREAMFLOW, DAILY, IN ACRE FEET
4200	SAMPLE PRESERVATION	SAMPLE PRESERVATION METHOD
4207	SOIL MOISTURE % OF T	SOIL MOISTURE (PERCENT OF TOTAL)
75031	ZIRCONIUM,N95,TCE	ZIRCONIUM, NIOBIUM 95, TOTAL, COUNTING ERROR (PCI/L)
5032	ZIRCONIUM,N95,T	ZIRCONIUM, NIOBIUM 95, TOTAL (PCI/L)
5037	K40 TOTAL CE	POTASSIUM 40, TOTAL, COUNTING ERROR (PCI/L)
75038	K40 TOTAL	POTASSIUM 40, TOTAL (PCI/L)
75935	PCB TOT SED	PCB, TOTAL, SEDIMENT, SUSPENDED, RECOVERABLE, GRAMS PER DAY
5936	THORIUM-232 PE SS	THORIUM-232, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, SUSPENDED, TOTAL, DRY WGT PCI/G
75937	RADIUM-228 SED. D.W	RADIUM-228, SEDIMENT, SUSPENDED, TOTAL, DRY WEIGHT, PICOCURIES PER GRAM
75938	POLONIUM-210, SED D	POLONIUM-210, SEDIMENT, SUSPENDED, TOTAL, DRY WEIGHT, PICOCURIES PER GRAM
5939	THORIUM-230 SED D W	THORIUM-230, SEDIMENT, SUSPENDED, TOTAL, DRY WEIGHT, PICOCURIES PER GRAM
75940	URANIUM-238 SED D W	URANIUM-238, SEDIMENT, SUSPENDED, TOTAL, DRY WEIGTH, PICOCURIES PER GRAM
75941	URANIUM-234 PE SS	URANIUM-234, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, SUSPENDED, TOTAL, DRY WGT, PIC/G
5942	URANIUM-234 SED DW	URANIUM-234, SEDIMENT, SUSPENDED, TOTAL, DRY WEIGHT, PICOCURIES PER GRAM
75943	RADIUM-226 PE SS	RADIUM-226, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, SUSPENDED, TOTAL, DRY WGT, PIC/G
5944	RADIUM-226 SED D W	RADIUM-226, SEDIMENT, SUSPENDED, TOTAL, DRY WEIGHT, PICOCURIES PER GRAM
75945	POLONIUM-210 PE SS	POLONIUM-210, 2 SIGMA PRECICION ESTIMATE, SUSPENDED, TOTAL, DRY WGT, PIC/G
75946	LEAD-210, S SED D W	LEAD-210, SEDIMENT, SUSPENDED, TOTAL, DRY WEIGHT, PICOCURIES PER GRAM
5947	URANIUM-235 PE SS	URANIUM-235, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, SUSPENDED, TOT, DRY WGT, PCI/G
75948	RADIUM-228 PE SS	RADIUM-228, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, SUSPENDED, TOT DRY WGT, PIC/G
75949	LEAD-210, PE SS	LEAD-210, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, SUSPENDED, TOTAL, DRY WGT PIC/G
5952	THORIUM-230 PE SS	THORIUM-230, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, SUSPENDED, TOTAL, DRY WGT PIC/G
75953	THORIUM-232 SED D W	THORIUM-232, SEDIMENT, SUSPENDED, TOTAL, DRY WEIGHT, PICOCURIES PER GRAM
5955	ALPHA CNT PE BM	ALPHA RADIOACTIVITY, 2 SIGMA PRECISION EST, SED, BOT MAT, TOT, DRY WGT, AS TH-230, PCI/GRAM
75960	CESIUM-137 PE BM	CESIUM-137, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, BOTTOM MATERIAL, TOT DRY WGT PICOCURIES/G

CODE	SHORTNAME	LONGNAME
75962	URANIUM-238 PE BM	URANIUM-238, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, BOT MAT, TOT, DRY WGT, PIC/G
75965	ALPHA CNT PE BM	ALPHA RADIOACTIVITY, 2 SIGMA PRECISION, EST, SED, BOT MAT, TOT, DRY WGT, AS NAT U,MICROGRAMS/G
75966	BETA CNT PE BM	BETA RADIOACTIVITY, 2 SIGMA PRECISION ESTIMATE, SEDIMENT BOT MAT TOT DRY WGT, AS SR90/Y90, PCI/G
75968	LEAD-210 PE SOIL	LEAD-210, 2 SIGMA PRECISION ESTIMATE, SOIL, TOTAL, DRY WEIGHT, PICOCURIES PER GRAM
75969	BAROMETRC PRESS UNCO	BAROMETRIC PRESSURE, NOT CORRECTED TO SEA LEVEL, MILLIBARS
75970	THICKNESS NOZZLE	THICKNESS, SAMPLER NOZZLE WALL, INCHES
75971	TRANSDUCER EXCITA.	TRANSDUCER EXCITATION, DEPTH SENSING, MILLIVOLTS
75972	TRANSDUCER SIGNAL	TRANSDUCER SIGNAL, DEPTH SENSING, MILLIVOLTS
75975	URANIUM-235 SED D W	URANIUM-235, SEDIMENT, SUSPENDED, TOTAL, DRY WEIGHT, PICOCURIES PER LITER
75976	THORIUM-232 DISS	THORIUM-232, WATER, DISSOLVED, PICOCURIES PER LITER
75977	RADIUM-228 B M D W	RADIUM-228, SEDIMENT, BOTTOM MATERIAL, TOTAL, DRY WEIGHT, PICOCURIES PER GRAM
75978	STRONTIUM-87/86	STRONTIUM-87/86, WATER, DISSOLVED, RATIO
75979	DE-ETH ISO ATRAZINE	DE-ETHYL, DE-ISOPROPYL ATRAZINE, WATER, WHOLE, TOTAL, UG/L
75980	DE-ISOPR ATRAZINE T	DE-ISOPROPYL ATRAZINE, WATER, WHOLE, TOTAL, MG/L
75981	DE-ETHYL ATRZINE TO	DE-ETHYL ATRAZINE, WATER, WHOLE, TOTAL, UG/L
75982	HYDROXY ATRAZINE	HYDROXY ATRAZINE, WATER, WHOLE, TOTAL, UG/L
75983	PCB REC DISS	PCB, WATER, DISSOLVED, RECOVERABLE, NANOGRAMS PER LITER
75984	PCB RECOV WHOLE	PCB, WATER, WHOLE, RECOVERABLE, NANOGRAMS PER LITER
75985	TRITIUM PREC EST	TRITIUM, 2 SIGMA PRECISION ESTIMATE, WATER, WHOLE, TOTAL, PICOCURIES PER LITER
75986	ALPHA CNT PE DIS	ALPHA RADIOACTIVITY, 2 SIGMA PRECISION ESTIMATE, WATER,DISSOLVEDAS NAT U MICROGRAMS PER LITER
75987	ALPHA PE TH-230	ALPHA RADIOACTIVITY 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED, AS TH-230, PCI/L
75988	BETA PE SR90/Y90	BETA RADIOACTIVITY, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED, AS SR-90/Y-90, PCI/L
75989	BETA PE CS-137	BETA RADIOACTIVITY, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED, AS CS-137, PICOCURIES PER LITER
75990	URANIUM NAT PE DISS	URANIUM, NATURAL, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED, MICROGRAMS PER LITER
75991	URANIUM-238 PE DISS	URANIUM-238, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED,PICOCURIES PER LITER
75992	URANIUM-234 PE DISS	URANIUM-234, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED,P ICOCURIES PER LITER
75993	URANIUM NAT PE TOT	URANIUM, NATURAL, 2 SIGMA PRECISION ESTIMATE, WATER, WHOLE, TOTAL, MICROGRAMS PER LITER
75994	URANIUM-235, PE D	URANIUM-235, 2 SIGMA, PRECISION ESTIMATE, WATER, DISSOLVED, PICOCURIES PER LITER
75995	LEAD-210, PE DIS	LEAD-210, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED, PICOCURIES PER LITER
75997	THORIUM-230 PE DIS	THORIUM-230, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED,P ICOCURIES PER LITER
75998	POLONIUM-210, PE D	POLONIUM-210, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED, PICOCURIES PER LITER
75999	THORIUM-232 PE DIS	THORIUM-232, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED,P ICOCURIES PER LITER
76000	RADIUM-228 PE DISS	RADIUM-228, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED, PICOCURIES PER LITER
76001	RADIUM-226 PE DISS	RADIUM-226, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED, PICOCURIES PER LITER
76002	RADON-222 PE	RADON-222, 2 SIGMA PRECISION ESTIMATE, WATER, WHOLE, TOTAL, PICOCURIES PER LITER
76003	STRONTIUM-90 PE DIS	STRONTIUM-90, 2 SIGMA PRECISION ESTIMATE, WATER, DISSOLVED, PICOCURIES PER LITER
76004	ALPHA PE SS TH-230	ALPHA RADIOACTIVITY, 2 SIGMA PRECISION EST, SED, SUSP, TOT, DRY WGT, AS TH-230, PCI/LITER
76005	BETA PE SS SR90/Y90	BETA RADIOACTIVITY, 2 SIGMA PRECISION ESTIMATE, SEDIMENT, SUSP, TOT DRY WGT, SR90/Y90 PCI/L
6006	LEAD-210 SOIL TOTAL	LEAD-210, SOIL, TOTAL, DRY WEIGHT, PICOCURIES PER GRAM
6007	CESIUM-137 SOIL TOT	CESIUM-137, SOIL, TOTAL, PICOCURIES PER GRAM
76008	NITROGEN NITRATE SS	NITROGEN, NITRATE, SEDIMENT, SUSPENDED, TOTAL, AS NITROGEN, MILLIGRAMS PER LITER
6009	NITROGEN NITRITE SS	NITROGEN NITRITE, SUSPENDED SEDIMENT, TOTAL, AS NITROGEN, MILLIGRAMS PER LITER
6010	PHOS HYD+ORTHO SS	PHOSPHORUS, HYDROLYZABLE + ORTHO, SEDIMENT, SUSPENDED, TOTAL, AS PHOSPHORUS, MGL/L
6011	PCB SED SUSP RECOV	PCB, SEDIMENT, SUSPENDED RECOVERABLE, NONOGRAMS PER LITER
6012	PCB TOT WAT WHO REC	PCB, TOTAL, WATER, WHOLE, RECOVERABLE, NONOGRAMS PER LITER
76983	NITROMETHANE	NITROMETHANE, DISSOLVED (MG/L)

CODE	SHORTNAME	LONGNAME
76984	2,4-DIMETHYLPENTANE	2,4-DIMETHYLPENTANE IN BOTTOM MATERIAL (UG/KG)
76985	2,5-DIMETHYLNONANE	2,5-DIMETHYLNONANE IN BOTTOM MATERIAL (UG/KG)
76986	2-CHLOROBENZENAMINE	2-CHLOROBENZENAMINE IN BOTTOM MATERIAL (UG/KG)
76987	4AMINO2,6DINITROTOL.	4-AMINO-2,6-DINITROTOLUENE, TOTAL RECOVERABLE (UG/L)
76988	2AMINO4,6DINITROTOL.	2-AMINO-4,6-DINITROTOLUENE, TOTAL RECOVERABLE (UG/L)
76989	2,4-DIMETHYLPENTANE	2,4-DIMETHYLPENTANE, TOTAL RECOVERABLE (UG/L)
76990	2,5-DIMETHYLNONANE	2,5-DIMETHYLNONANE, TOTAL RECOVERABLE (UG/L)
76991	2-CHLOROBENZENAMINE	2-CHLOROBENZENAMINE, TOTAL RECOVERABLE (UG/L)
76992	8-METHYLDECANOIC A.	8-METHYLDECANOIC ACID, TOTAL RECOVERABLE (UG/L)
76994	METHANE DISS.	METHANE DISSOLVED (UG/L AS CH4)
77041	CARBON DISULFIDE,TO	CARBON DISULFIDE, WATER, WHOLE, TOTAL, (UG/L)
77057	VINYL ACETATE,TOTAL	VINYL ACETATE, WATER, WHOLE, TOTAL, (UG/L)
77093	CIS1,2DICHL.ETHENE,T	CIS-1,2-DICHLOROETHENE, WATER, WHOLE, TOTAL, UG/L
77103	2-HEXANONE,TOTAL	2-HEXANONE, WATER, WHOLE, TOTAL, (UG/L)
77128	STYRENE, TOTAL	STYRENE, TOTAL (UG/L)
77133	P-XYLENE	P-XYLENE (1,4-DIMETHYLBENZENE), WATER, WHOLE, TOTAL (UG/L)
77134	METAXYLENE,TOT UG/L	1,3-DIMETHYLBENZENE, TOTAL UG/L
77135	TOT. O-XYLENE (UG/L)	O-XYLENE, WATER, WHOLE, TOTAL (UG/L)
77146	PARA CRESOL,TOTAL	PARA CRESOL, WATER, WHOLE, TOTAL, (UG/L)
77147	BENZYL ALCOHOL, TOTA	BENZYL ALCOHOL, WATER, WHOLE, TOTAL, (UG/L)
77152	ORTHO CRESOL,TOTAL	ORTHO CRESOL, WATER, WHOLE, TOTAL, (UG/L)
77168	1,1-DICHLOROPROPENE	1,1-DICHLOROPROPENE, WATER, WHOLE, TOTAL, (UG/L)
77170	2,2-DICHLOROPROPANE	2,2-DICHLOROPROPANE, WATER, WHOLE, TOTAL, (UG/L)
77173	1,3DICHLPROPANE W W	PROPANE, 1,3-DICHLORO-, WATER, WHOLE, TOTAL, (UG/L)
77222	PSEUDOCUMENE UNF RE	PSEUDOCUMENE, WATER, UNFILTERED, RECOVERABLE, UG/L
77223	ISOPROPYL-BENZENE W	BENZENE, ISOPROPYL-, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
77224	N-PROPYL-BENZENE U	BENZENE, N-PROPYL-, WATER, UNFILTERED, RECOVERABLE, UG/L
77226	MESITYLENE UNF REC	MESITYLENE, WATER, UNFILTERED, RECOVERABLE, UG/L
77247	BENZOIC ACID, TOTAL	BENZOIC ACID, WATER, WHOLE, TOTAL, (UG/L)
77275	O-CHLOROTOLUENE T.	O-CHLOROTOLUENE, WATER, WHOLE, TOTAL (UG/L)
77277	P-CHLORO-TOLUENE U	TOLUENE, P-CHLORO-, WATER, UNFILTERED, RECOVERABLE, UG/L
77297	METHANE BROMOCHLORO	METHANE, BROMOCHLORO-, WATER, UNFILTERED, RECOVERABLE, UG/L
77342	N-BUTYL-BENZENE U R	BENZENE, N-BUTYL-, WATER, UNFILTERED, RECOVERABLE, UG/L
77350	SEC-BUTYL-BENZENE U	BENZENE, SEC-BUTYL-, WATER, UNFILTERED, RECOVERABLE, UG/L
77353	TERT-BUTYL-BENZENE	BENZENE, TERT-BUTYL-, WATER, UNFILTERED, RECOVERABLE, UG/L
77356	P-ISOPROPYLtoluene	P-ISOPROPYLtoluene, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
77441	1-NAPHTHOL, WHOLE	1-NAPHTHOL, WATER, WHOLE, UG/L
77443	123TRICHLPROPANE,TO	1,2,3-TRICHLOROPROPANE, WATER, WHOLE, TOTAL, (UG/L)
77562	1112TETRACHLORO-ETH	ETHANE, 1,1,1,2-TETRACHLORO-, WATER, UNFILTERED, RECOVERABLE, UG/L
77596	DIBROMO-METHANE U R	METHANE, DIBROMO-, WATER, UNFILTERED, RECOVERABLE, UG/L
77613	1,2,3-TRICHLORO BEN	BENZENE, 1,2,3-TRICHLORO-, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
77651	1,2DIBROMOETHANE,TOT	1,2-DIBROMOETHANE, WATER, WHOLE, TOTAL, UG/L
77652	FREON 113 UNF REC	FREON 113, WATER, UNFILTERED, RECOVERABLE, UG/L
77687	245TRICHL.PHENOL,TO	2,4,5-TRICHLOROPHENOL, WATER, WHOLE, TOTAL, (UG/L)
77729	PROPACHLOR (RAMROD)	PROPACHLOR (RAMROD) IN WHOLE WATER SAMPLE (UG/L)
77802	BENZO(E)PYRENE, TOTAL	BENZO(E)PYRENE, TOTAL (UG/L)
77825	ALACHLOR, TOT RECV.	ALACHLOR, TOTAL RECOVERABLE (UG/L)
77835	HEXAChl.CYCLOHEXANE	HEXAChlorocyclohexane, WATER, WHOLE, TOTAL (UG/L)
77852	UNDECANOIC ACID	UNDECANOIC ACID, TOTAL RECOVERABLE (UG/L)
77902	DICOFOL, REC.	DICOFOL, WATER, WHOLE, RECOVERABLE, UG/L
77951	CHLORDENE,ALPHA,TOT.	CHLORDENE, ALPHA, WATER, WHOLE, TOTAL (UG/L)
77952	CHLORDENE,GAMMA,TOT.	CHLORDENE, GAMMA, WATER, WHOLE, TOTAL (UG/L)
78008	ENDRIN KETONE, TOTAL	ENDRIN KETONE, WATER, WHOLE, TOTAL (UG/L)
78032	TERTBUTYL METH ETHE	METHYL ETHER, TERT-BUTYL-, WATER, UNFILTERED, RECOVERABLE, UG/L
78064	NORFLURAZON W WH RE	NORFLURAZON, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
78132	P-XYLENE, TOTAL	P-XYLENE, WATER, WHOLE, TOTAL, UG/L
78133	METH.ISOBU.KETONE,T	METHYLISOBUTYLKETONE, WATER, WHOLE, TOTAL, (UG/L)
78170	TRICHL.BENZENE, TOTAL	TRICHLOROBENZENE, ALL ISOMERS, WATER, WHOLE, TOTAL, UG/L
78300	3NITROANILINE, TOTAL	3-NITROANILINE, WATER, WHOLE, TOTAL, (UG/L)
78505	AMETRYN BM DRY WGT	AMETRYN, SEDIMENT, BOTTOM MATERIAL, DRY WEIGHT, RECOVERABLE, MICROGRAMS PER KILOGRAM

CODE	SHORTNAME	LONGNAME
78688	PROMETRYN BM DRY WGT	PROMETRYN, SEDIMENT, BOTTOM MATERIAL, DRY WEIGHT, RECOVERABLE, MICROGRAMS PER KILOGRAM
78694	SIMETRYN BM DRY WGT	SIMETRYN, SEDIMENT, BOTTOM MATERIAL, DRY WEIGHT, RECOVERABLE, MICROGRAMS PER KILOGRAM
78890	SAMPLE DEPTH FT-MSL	SAMPLING DEPTH, DISTANCE BELOW MEAN SEA LEVEL, FEET
78891	SAMPLE DEPTH M-MSL	SAMPLING DEPTH, DISTANCE BELOW MEAN SEA LEVEL, METERS
78942	O-CHLORO-TOLUENE	TOLUENE, O-CHLORO-, WATER, UNFILTERED, RECOVERABLE, UG/L
78943	PLATECOUNT,HET.CFU	PLATE COUNT, HETEROTROPHIC WATER, WHOLE, TOTAL, R2A, COLONY -FORMING-UNITS / ML
78944	ENTEROBACTER CLOACAE	ENTEROBACTER CLOACAE, WATER, WHOLE, TOTAL, MEMBRANE FILTER (COL / 100 ML)
79190	PENDIMETHALIN T UG/L	PENDIMETHALIN, TOTAL, UG/L
79193	ACIFLUORFEN UNF REC	ACIFLUORFEN, WATER, UNFILTERED, RECOVERABLE, UG/L
79194	FLUCHLORALIN WH REC	FLUCHLORALIN, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
79195	NAPROPAMIDE UNF REC	NAPROPAMIDE, WATER, UNFILTERED, RECOVERABLE, UG/L
79729	MERCURY,W/R MIX,TOT	MERCURY, WASTE/REAGENT WATER MIX, EPA TOXICITY TEST (SW1310), TOTAL, (UG/L)
79733	BARIUM,W/R MIX,TOTA	BARIUM, WASTE/REAGENT WATER MIX, EPA TOXICITY TEST (SW1310), TOTAL, (UG/L)
79734	CADMUM,W/R MIX,TOT	CADMUM, WASTE/REAGENT WATER MIX, EPA TOXICITY TEST (SW1310), TOTAL, (UG/L)
79735	CHROMIUM,W/R MIX,TO	CHROMIUM, WASTE/REAGENT WATER MIX, EPA TOXICITY TEST (SW1310), TOTAL, (UG/L)
79736	LEAD,W/R MIX,TOTAL	LEAD, WASTE/REAGENT WATER MIX, EPA TOXICITY TEST (SW1310), T OTAL, (UG/L)
79737	SELENIUM,W/R MIX,TO	SELENIUM, WASTE/REAGENT WATER MIX, EPA TOXICITY TEST (SW1310), TOTAL, (UG/L)
79738	SILVER,W/R MIX,TOTA	SILVER, WASTE/REAGENT WATER MIX, EPA TOXICITY TEST (SW1310), TOTAL, (UG/L)
79741	ARSENIC,W/R MIX,TOT	ARSENIC, WASTE/REAGENT WATER MIX, EPA TOXICITY TEST (SW1310), TOTAL, (UG/L)
79747	HALIDE,TOT.ORG.REC.	HALIDE, TOTAL ORGANIC, WATER, RECOVERABLE, (UG/L AS CL)
79755	OXYCHLORDANE, TOTAL	OXYCHLORDANE, WATER, WHOLE, TOTAL (UG/L)
80010	U DISS DFLUORO	URANIUM, DISSOLVED, DIRECT FLUOROMETRIC (PCI/L)
80015	U DISS EFLUORO	URANIUM, DISSOLVED, EXTRACTION FLUOROMETRIC (PCI/L)
80020	U,DIS.EXT.FLUOR-UG/L	URANIUM, DISSOLVED, EXTRACTION FLUOROMETRIC (UG/L)
80029	GROSS ALPHA TOT.U-NA	ALPHA, GROSS TOTAL AS U NATURAL (UG/L)
80030	GROSS ALPHA DIS.U-NA	ALPHA, GROSS, DISSOLVED AS U NATURAL (UG/L)
80040	GROSS ALPHA SUS.U-NA	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (UG/L AS U NATURAL)
80049	GROSS-B,T,SR-90	BETA, GROSS TOTAL AS STONTIUM/YTTRIUM-90 (PCI/L)
80050	GROS-B,D,SR-90-PCI/L	BETA, GROSS, DISSOLVED AS STRONTIUM/YTTRIUM-90 (PCI/L)
80060	GROS-B,S,SR-90 PCI/L	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/L AS SR/YT-90)
80082	BOD OXY.DEM.BIO.CARB	BOD OXYGEN DEMAND, BIOCHEM CARBON 5 DAY (MG/L)
80087	OXYGEN DEMAND(B.C.C)	OXYGEN DEMAND,BIOCHEMCARBON 20 DAY (MG/L)
80107	SULFUR,TOTAL	SULFUR, TOTAL (MG/L AS S)
80110	SPECIFIC GRAV H20 4	SPECIFIC GRAVITY, WATER, UNITY AT 4 DEG. C
80154	CONCENTRATION,S.SED.	SEDIMENT, SUSPENDED CONCENTRATION (MG/L)
80155	DISCHARGE,SUSP.SED.	SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
80156	SUS-SED DISCH + BED	SEDIMENT DISCHARGE, TOTAL, SUSPENDED PLUS BED MATERIAL (TONS/DAY)
80157	SED-BED-FALL-D-.004	SEDIMENT, BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .004 MM
80158	SED-BED-FALL-D-.062	SEDIMENT, BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .062 MM
80159	SED-BED-FALL-D-.125	SEDIMENT, BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .125 MM
80160	SED-BED-FALL-D-.250	SEDIMENT, BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .250 MM
80161	SED-BED-FALL-D-.500	SEDIMENT, BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .500 MM
80162	SED-BED-FALL-D-1.00	SEDIMENT, BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 1.00 MM
80163	SED-BED-FALL-D-2.00	SEDIMENT, BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 2.00 MM
80164	SED-BED-SIEVE-.062	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN .062 MM
80165	SED-BED-SIEVE-.125	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN .125 MM
80166	SED-BED-SIEVE-.250	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN .250 MM
80167	SED-BED-SIEVE-.500	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN .500 MM
80168	SED-BED-SIEVE-1.00	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN 1.00 MM
80169	SED-BED-SIEVE-2.00	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN 2.00 MM

CODE	SHORTNAME	LONGNAME
80170	SED-BED-SIEVE-4.00	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN 4.00 MM
80171	SED-BED-SIEVE-8.00	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN 8.00 MM
80172	SED-BED-SIEVE-16.0	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN 16.0 MM
80173	SED-BED-SIEVE-32.0	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN 32.0 MM
80174	SED-BED-SIEVE-64.0	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN 64.0 MM
80175	SED-BED-SIEVE-128	SEDIMENT, BED MATERIAL, SIEVE DIAMETER, PERCENT FINER THAN 128.0 MM
80177	BED MATERIAL % <1.41	SEDIMENT, BED MATERIAL, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 1.41 MM
80180	SED CONCENTRATION T	SEDIMENT, TOTAL, CONCENTRATION (MG/L)
80181	SED-TOT-FALL-D-.002	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .002 MM
80182	SED-TOT-FALL-D-.004	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .004 MM
80183	SED-TOT-FALL-D-.008	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .008 MM
80184	SED-TOT-FALL-D-.016	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .016 MM
80185	SED-TOT-FALL-D-.031	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .031 MM
80186	SED-TOT-FALL-D-.062	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .062 MM
80187	SED-TOT-FALL-D-.125	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .125 MM
80188	SED-TOT-FALL-D-.250	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .250 MM
80189	SED-TOT-FALL-D-.500	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN .500 MM
80190	SED-TOT-FALL-D-1.00	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 1.00 MM
80191	SED-TOT-FALL-D-2.00	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 2.00 MM
80192	SED-TOT-FALL-N-.002	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .002 MM
80193	SED-TOT-FALL-N-.004	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .004 MM
80194	SED-TOT-FALL-N-.008	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .008 MM
80195	SED-TOT-FALL-N-.016	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .016 MM
80196	SED-TOT-FALL-N-.031	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .031 MM
80197	SED-TOT-FALL-N-.062	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .062 MM
80198	SED-TOT-FALL-N-.125	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .125 MM
80199	SED-TOT-FALL-N-.250	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .250 MM
80200	SED-TOT-FALL-N-.500	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN .500 MM
80201	SED-TOT-FALL-N-1.00	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN 1.00 MM
80202	SED-TOT-FALL-N-2.00	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN 2.00 MM
80203	SED-TOT-SIEVE-.062	SEDIMENT, TOTAL, SIEVE DIAMETER, PERCENT FINER THAN .062 MM
80204	SED-TOT-SIEVE-.125	SEDIMENT, TOTAL, SIEVE DIAMETER, PERCENT FINER THAN .125 MM
80205	SED-TOT-SIEVE-.250	SEDIMENT, TOTAL, SIEVE DIAMETER, PERCENT FINER THAN .250 MM
80206	SED-TOT-SIEVE-.500	SEDIMENT, TOTAL, SIEVE DIAMETER, PERCENT FINER THAN .500 MM
80207	SED-TOT-SIEVE-1.00	SEDIMENT, TOTAL, SIEVE DIAMETER, PERCENT FINER THAN 1.00 MM
80208	SED-TOT-SIEVE-2.00	SEDIMENT, TOTAL, SIEVE DIAMETER, PERCENT FINER THAN 2.00 MM
80209	SED-TOT-SIEVE-4.00	SEDIMENT, TOTAL, SIEVE DIAMETER, PERCENT FINER THAN 4.00 MM
80210	SED-TOT-SIEVE-8.00	SEDIMENT, TOTAL, SIEVE DIAMETER, PERCENT FINER THAN 8.00 MM
80211	SED-TOT-SIEVE-16.0	SEDIMENT, TOTAL, SIEVE DIAMETER, PERCENT FINER THAN 16.0 MM
80212	SED-TOT-SIEVE-32.0	SEDIMENT, TOTAL, SIEVE DIAMETER, PERCENT FINER THAN 32.0 MM
80218	BED MATERIAL %< .177	SEDIMENT, BED MATERIAL, DRY SIEVED, SIEVE DIAMETER PERCENT FINER THAN .177MM
80219	BED MATERIAL % <.088	SEDIMENT, BED MATERIAL, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN .088 MM
80220	SUS-SED CONC.>.062MM	SEDIMENT, SUSPENDED CONCENTRATION, SIEVE DIAM. GREATER THAN .062 MM (MG/L)
80221	SUS-SED DISCH>.062MM	SEDIMENT DISCHARGE, SUSPENDED, SIEVE DIAM. GREATER THAN .062 MM (TONS/DAY)
80222	SUS-SED CONC.<.062MM	SEDIMENT, SUSPENDED CONCENTRATION, SIEVE DIAM. LESS THAN .062 MM (MG/L)
80223	SUS-SED DISCH<.062MM	SEDIMENT DISCHARGE, SUSPENDED, SIEVE DIAM. LESS THAN .062 MM (TONS/DAY)
80225	SED DISCH BEDLOAD	SEDIMENT DISCHARGE, BEDLOAD (TONS/DAY)
80226	SED-LOAD-SIEVE-.062	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN .062 MM
80227	SED-LOAD-SIEVE-.125	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN .125 MM
80228	SED-LOAD-SIEVE-.250	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN .250 MM
80229	SED-LOAD-SIEVE-.500	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN .500 MM
80230	SED-LOAD-SIEVE-1.00	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN 1.00 MM
80231	SED-LOAD-SIEVE-2.00	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN 2.00 MM
80232	SED-LOAD-SIEVE-4.00	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN 4.00 MM
80233	SED-LOAD-SIEVE-8.00	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN 8.00 MM
80234	SED-LOAD-SIEVE-16.0	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN 16.0 MM
80235	SED-LOAD-SIEVE-32.0	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN 32.0 MM
80236	SED-LOAD-SIEVE-64.0	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN 64.0 MM
80237	SED-LOAD-SIEVE-76.0	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN 76.0 MM
80238	SED-LOAD-SIEVE-128	SEDIMENT, BEDLOAD, SIEVE DIAMETER, PERCENT FINER THAN 128.0 MM
80239	BED MATERIAL % <.35	SEDIMENT, BED MATERIAL, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN .35 MM

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80240	BED MATERIAL % <2.38	SEDIMENT, BED MATERIAL, DRY SIEVED, SIEVE DIAMETER, PERCENT FINER THAN 2.38 MM
80282	BED MAT FD DW<.016	BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 0.016 MM
80283	BED MAT FD DW<.031	BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 0.031 MM
80284	BED MAT FD DW<.088	BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 0.088 MM
80285	BED MAT FD DW<.175	BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 0.175 MM
80286	BED MAT FD DW<.350	BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 0.350 MM
80287	SED TOT FD DW<.088	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 0.088 MM
80288	SED TOT FD DW<175	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 0.175 MM
80289	SED TOT FD DW<.350	SEDIMENT, TOTAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 0.350 MM
80290	SED TOT FD NW<.088	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN 0.088 MM
80291	SED TOT FD NW<.175	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN 0.175 MM
80292	SED TOT FD NW<.350	SEDIMENT, TOTAL, FALL DIAMETER, NATIVE WATER, PERCENT FINER THAN 0.350 MM
80293	BED MAT FD DW<.008	BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 0.008 MM
80294	BED MAT FD DW<.002	BED MATERIAL, FALL DIAMETER, DISTILLED WATER, PERCENT FINER THAN 0.002 MM
80320	SUSP-SED, COAL %	SEDIMENT, SUSPENDED, COAL (PERCENT)
80353	ORTHO+PARA XYLENE,T	ORTHO + PARA XYLENE, WATER WHOLE, TOTAL, (UG/L)
81024	DRAINAGE AREA	DRAINAGE AREA (SQUARE MILES)
81025	DRAINAGE AREA CONTR	DRAINAGE AREA, CONTRIBUTING (SQUARE MILES)
81026	SNOW, WATER CONTENT	WATER CONTENT OF SNOW (IN.)
81027	TEMPERATURE, SOIL	TEMPERATURE, SOIL DEG. C)
81028	GW WITHDRAWAL	WITHDRAWAL OF GROUND WATER (MGPD)
81029	TEMPERATURE, SNOW	SNOW TEMPERATURE (DEG C)
81200	SILICA DISS T/D	SILICA, DISSOLVED (TONS PER DAY)
81201	CALCIUM DISS T/D	CALCIUM, DISSOLVED (TONS PER DAY)
81202	MAGNESIUM DISS T/D	MAGNESIUM, DISSOLVED (TONS PER DAY)
81203	SODIUM DISS T/D	SODIUM, DISSOLVED (TONS PER DAY)
81204	POTASSIUM DISS T/D	POTASSIUM, DISSOLVED (TONS PER DAY)
81205	BICARB DISS T/D	BICARBONATE (TONS PER DAY)
81281	KEPONE	KEPONE TOTAL (UG/L)
81290	EPN,TOTAL	EPN, WATER, WHOLE, TOTAL, (UG/L)
81294	DYFONATE (UG/L)	DYFONATE (UG/L)
81302	DIBENZOFURAN,TOTAL	DIBENZOFURAN, WATER, WHOLE, TOTAL, (UG/L)
81317	THIOSULFATE, TOTAL	THIOSULFATE, TOTAL (MG/L AS S2O3)
81322	CHLORPROPHAM WH REC	CHLORPROPHAM, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
81352	FILTER PORE SIZE	FILTER PORE SIZE (MICRO-METERS)
81353	PLAN,BIO,ASH	PLANKTON, BIOMASS, ASH WEIGHT (MG/L)
81354	PLAN,BIO,DRY	PLANKTON, BIOMASS, DRY WEIGHT (MG/L)
81355	PSEUDOMONAS-AER-BACT	PSEUDOMONAS AERUGINOSA BACTERIA IN WATER, (MPN/100ML)
81356	CEC	CATION EXCHANGE CAPACITY (MEQ/100G)
81357	CALCIUM SUSPENDED	CALCIUM, SUSPENDED (MG/L)
81358	TNT DISSOLVED	TNT, DISSOLVED (UG/L)
81359	TNT SUSPENDED	TNT, SUSPENDED (UG/L)
81360	TNT TOTAL	TNT, TOTAL (UG/L)
81361	TNT BTM DW	TNT, TOTAL IN BOTTOM MATERIAL, DRY WEIGHT (UG/KG)
81362	RDX DISSOLVED	RDX, DISSOLVED (UG/L)
81363	RDX SUSPENDED	RDX, SUSPENDED (UG/L)
81364	RDX TOTAL	RDX, TOTAL (UG/L)
81365	RDX BTM DRY	RDX, TOTAL IN BOTTOM MATERIAL, DRY WEIGHT (UG/KG)
81366	RA228 DISS	RADIUM 228, DISSOLVED (PCI/L AS RA-228)
81367	RA228 DISS CE	RADIUM 228, DISSOLVED, COUNTING ERROR (PCI/L AS RA-228)
81368	RA228 SUSP	RADIUM 228, SUSPENDED (PCI/L AS RA-228)
81369	RA228 SUSP CE	RADIUM 228, SUSPENDED, COUNTING ERROR (PCI/L AS RA-228)
81380	DISCHARGE VELOCITY	DISCHARGE VELOCITY (M/SEC)
81381	DISCHARGE DURATION	DISCHARGE DURATION (MIN)
81395	STORM WATER FLOW	STORM WATER FLOW (MGD)
81403	CHLORPYRIFOS TOTAL	CHLORPYRIFOS, TOTAL (UG/L)
81404	CHLORPYRIFOS BOT.MAT	CHLORPYRIFOS, IN BOTTOM MATERIAL, UG/KG
81405	CARBOFURAN (UG/L)	CARBOFURAN (UG/L)
81408	METRIBUZIN (SENCOR)	METRIBUZIN (SENCOR) IN WHOLE WATER SAMPLE (UG/L)
81551	XYLENE UNF REC	XYLENE, WATER, UNFILTERED, RECOVERABLE, UG/L
81552	ACETONE,TOTAL	ACETONE, WATER, WHOLE, TOTAL, (UG/L)

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81555	BROMOBENZENE WAT.WH.	BROMOBENZENE, WATER, WHOLE, TOTAL, (UG/L)
81570	CYCLOHEXANE,TOTAL	CYCLOHEXANE, TOTAL (UG/L)
81595	METH.ETHYL KETONE,T	METHYLETHYLKETONE, WATER, WHOLE, TOTAL, (UG/L)
81610	TRICHLOROPROPANE,TO	TRICHLOROPROPANE, WATER, WHOLE, TOTAL, (UG/L)
81612	SULFATE IN BOT. MAT.	SULFATE IN BOTTOM MATERIAL (MG/G)
81710	M-XYLENE, TOTAL	M-XYLENE, WATER, WHOLE, TOTAL (MG/L)
81711	O-XYLENE, TOTAL	O-XYLENE, WATER, WHOLE, TOTAL (MG/L)
81757	CYANAZINE	CYANAZINE TOTAL (UG/L)
81758	ETHOPROP W WH REC	ETHOPROP, WATER, WHOLE, RECOVERABLE, UG/L
81798	PRECIPITATION EVENT	PRECIPITATION EVENT INCHES/COMPOSITE
81799	STREAM FLOW EVENT	STREAM FLOW EVENT CFS 0 COMPOSITE
81803	EPIFLUORESCENCE	BAC. TOTAL EPIFLUORESENCE (NO/ML)
81804	DIATOMS(PERIPHYTOM)	DIATOMS TOTAL PERIPHYTOM (NUMBER/SQ MM)
81815	ACEPHATE W WH REC	ACEPHATE, WATER, WHOLE, RECOVERABLE, UG/L
81857	KEPONE IN BOT. MAT.	KEPONE IN BOT. MAT.(UG/KG)
81886	PERTHANE, BOT.MAT.	PERTHANE IN BOTTOM MATERIAL (UG/KG)
81894	EPTC W WH REC	EPTC, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
81903	DEPTH AT SAMPLE LO.	DEPTH AT SAMPLE LOCATION (FEET)
81904	STREAM VELOCITY,PT.	STREAM VELOCITY,POINT (FPS)
81905	WELL # AM PETRO INST	NUMBER, WELL, AMERICAN PETROLEUM INSTITUTE
81906	DESCRIPTION OF TOTAL	DESCRIPTION OF TOTAL SAMPLE
81907	AMT. OF RECOVERY	AMOUNT OF RECOVERY (FEET)
81908	RECOV. FRACTION	RECOVERY FRACTION (FEET)
81909	SAMPLE MIDPOINT	SAMPLE MIDPOINT (FEET)
81910	INITIAL TIME OPEN	INITIAL TIME OPEN (HOURS)
81911	FINAL TIME OP	FINAL TIME OPEN (HOURS)
81912	OPEN PRESURE (PSI)	OPEN PRESSURE (PSI)
81913	SHUT IN PRESSURE	SHUT IN PRESSURE (PSI)
81914	INT. FLOWING PRESS	INITIAL FLOWING PRESSURE (PSI)
81915	FINAL FLOWING PRES.	FINAL FLOWING PRES. (PSI)
81916	BOTTOM	BOTTOM HOLE PRES.(PSI)
81917	BOT. HOLE TEMP.	BOTTOM HOLE TEMPERATURE (DEG F)
82015	DEPTH OF LAKE MEAN	DEPTH OF LAKE MEAN (FEET)
82016	DEPTH OF LAKE MAX.	DEPTH OF LAKE MAXIMUM (FEET)
82030	COAL IN SUSP. SEDI.	COAL IN SUSP. SEDIMENT (GM/KG)
82031	COAL IN BOT.MATERIAL	COAL IN BOTTOM MATERIAL (GM/KG)
82041	HELUM	HELUM (UG/L AS HE)
82042	HYDROGEN	HYDROGEN (UG/L AS H)
82043	ARGON	ARGON (MG/L AS A)
82044	ETHYLENE	ETHYLENE (UG/L AS C2H4)
82045	ETHANE	ETHANE (UG/L AS C2H6)
82046	NITROUS OXIDE	NITROUS OXIDE (UG/L AS N2O)
82047	DEPTH TO TOP OF S.I.	DEPTH TO TOP OF SAMPLE INTERVAL (METERS)
82048	DEPTH TO BOT. OF S.I	DEPTH TO BOTTOM OF SAMPLE INTERVAL (METERS)
82049	DEOXYGENATION C-K1	DEOXYGENATION CARBON K1 TO BASE 10 AT 20C PER DAY
82050	REOXYGENATION C-K2	REOXYGENATION CARBON K2 TO BASE 10 AT 20C PER DAY
82051	CHLORAMBEN UNF REC	CHLORAMBEN, WATER, UNFILTERED, RECOVERABLE, UG/L
82052	DICAMBA,TOTAL	DICAMBA, MEDIBEN, BANVEL D, TOTAL (UG/L)
82067	RHODIUM,TOTAL	RHODIUM, TOTAL (UG/L AS RH)
82068	POTSSSIUM 40 DISS.	POTASSIUM 40 DISSOLVED(PCI /L AS K40)
82069	POTASSIUM 40 DISS.	POTASSIUM 40 DISSOLVED COUNTING ERROR (PCI/L AS K40)
82070	POTAS.40 SUS.	POTASSIUM 40 SUSPENDED (PCI/L AS K40)
82071	POTAS.40 SUS.CNT.ERR	POTASSIUM 40 SUSPENDED CNT. ERR (PCI/L AS K40)
82072	DIAL READING	DIAL READING
82073	STARTING TIME	STARTING TIME (2400 HOURS)
82074	ENDING TIME	ENDING TIME (2400 HOURS)
82075	AMT. RINSE WATER	AMOUNT OF RINSE IN LITERS
82076	EXPOSURE AREA	EXPOSURE AREA (SQ CM)
82079	TURBIDITY, LAB,	TURBIDITY, LAB, NTU
82080	TRIHALOMETHANE,TOTAL	TRIHALOMETHANE, WATER, WHOLE, TOTAL, BY SUMMATION, UG/L
82081	CARBON 13 / 12 RATIO	CARBON 13 / 12 RATIO PER MIL

CODE	SHORTNAME	LONGNAME
82082	HYDROGEN 2 / 1 RATIO	HYDROGEN 2 / 1 RATIO PER MIL
82083	LITHIUM 7 / 6 RATIO	LITHIUM 7 / 6 RATIO PER MIL
82084	NITROGEN 15/14 RATIO	NITROGEN 15 / 14 RATIO PER MIL
82085	OXYGEN 18 / 16 RATIO	OXYGEN 18 / 16 RATIO PER MIL
82086	SULFUR 34 / 32 RATIO	SULFUR 34 / 32 RATIO PER MIL
82087	URANIUM 238 / 236	URANIUM 238 / 236 RATIO PER MIL
82088	TERBUFOS W WH REC	TERBUFOS, WATER, WHOLE, RECOVERABLE, UG/L
82127	WIND SPEED, KNOTS	WIND SPEED, KNOTS
82130	ICE THICKNESS	ICE THICKNESS (FEET)
82131	ICE THICKNESS	ICE THICKNESS (METERS)
82132	DEOXYGENATION (N)	DEOXYGENATION NITROG. K1 TO BASE E PER DAY AT 20C
82133	DEOXYGENATION (C)	DEOXYGENATION CARBON K1 TO BASE E PER DAY AT 20C
82134	DEOXYGENATION NITROG	DEOXYGENATION NITROG. K1 TO BASE 10PER DAYAT 20C
82135	OXYGEN DEMAND,BIOCHE	OXYGEN DEMAND,BIOCHE CARBON. DAYS LAGTIMEAT 20C
82136	OXYGEN DEMAND,BIOCHE	OXYGEN DEMAND,BIOCHE NITROG. DAYS LAGTIMEAT 20C
82137	OXYGEN DEMAND,BIOCHE	OXYGEN DEMAND,BIOCHE UNINHIB DAYS LAGTIMEAT 20C
82170	GOLD SUS SED	GOLD, SEDIMENT, SUSPENDED, TOTAL, UG/G
82171	CARBON 14 DISS. ADJ.	CARBON 14 DISSOLVED ADJUSTED AGE (YEARS BEFORE PRESENT)
82172	CARBON 14 PERCENT	CARBON 14 PERCENT MODERN
82183	2, 4-DP	2, 4-DP TOTAL (UG/L)
82184	AMETRYNE	AMETRYNE TOTAL (UG/L)
82185	ATRATONE	ATRATONE TOTAL (UG/L)
82186	AZODRIN TOTAL	AZODRIN TOTAL (UG/L)
82187	CYPRAZINE	CYPRAZINE TOTAL (UG/L)
82188	SIMETONE TOTAL	SIMETONE TOTAL (UG/L)
82198	BROMACIL RECOVERABLE	BROMACIL, WATER, WHOLE, RECOVERABLE, UG/L
82199	ORDRAM W WH REC	ORDRAM, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
82201	SULFOTEPP,TOTAL	SULFOTEPP, WATER, WHOLE, TOTAL, (UG/L)
82259	ST. DEBRIS SIEVE D.	STREET DEBRIS SIEVE DIA- METER % FINER .031MM
82260	ST. DEBRIS SIEVE D.	STREET DEBRIS SIEVE DIA- METER % FINER .062MM
82261	ST. DEBRIS SIEVE D.	STREET DEBRIS SIEVE DIA- METER % FINER .125MM
82262	ST. DEBRIS SIEVE D.	STREET DEBRIS METER % FINER .25MM
82263	ST. DEBRIS SIEVE DI.	STREET DEBRIS SIEVE DIA- METER % FINER .5MM
82264	STREET DEBRIS SIEVE	STREET DEBRIS SIEVE DIAM. PERCENT FINER 1.0 MM
82265	ST. DEBRIS SIEVE DI.	STREET DEBRIS SIEVE DIAM- ETER % FINER 2.0MM
82266	ST. DEBRIS SIEVE DI.	STREET DEBRIS SIEVE DIA- METER % FINER 4.0MM
82267	PHOSPHORUS IN .031M	PHOSPHORUS IN .031MM FRACTION STREET DEBRIS (UG/G)
82268	PHOSPHORUS, .062MM	PHOSPHORUS IN .062 MM FRACTION STREET DEBRIS (UG/G)
82269	PHOSPHORUS .125MM	PHOSPHORUS IN .125MM FRACTION STREET DEBRIS (UG/G)
82270	PHOSPHORUS IN .25MM	PHOSPHORUS IN .25MM FRACTION STREET DEBRIS (UG/G)
82271	PHOSPHORUS IN 0.5MM	PHOSPHORUS IN 0.5MM FRACTION STREET DEBRIS (UG/G)
82272	PHOSPHORUS IN 1.0MM	PHOSPHORUS IN 1.0MM FRACTION STREET DEBRIS (UG/G)
82273	PHOSPHORUS IN 2.0MM	PHOSPHORUS IN 2.0MM FRACTION STREET DEBRIS (UG/G)
82274	PHOSPHORUS IN 4.0MM	PHOSPHORUS IN 4.0MM FRACTION STREET DEBRIS (UG/G)
82275	LEAD IN .031MM FRAC.	LEAD IN .031MM FRACTION STREET DEBRIS (UG/G)
82276	LEAD IN .062MM FRAC.	LEAD IN .062MM FRACTION STREET DEBRIS (UG/G)
82277	LEAD IN .125MM FRAC.	LEAD IN .125MM FRACTION STREET DEBRIS (UG/G)
82278	LEAD IN .25MM FRAC.	LEAD IN .25MM FRACTION STREET DEBRIS (UG/G)
82279	LEAD IN 0.5MM FRAC.	LEAD IN 0.5MM FRACTION STREET DEBRIS (UG/G)
82280	LEAD IN 1.0MM FRAC.	LEAD IN 1.0MM FRACTION STREET DEBRIS (UG/G)
82281	LEAD IN 2.0MM FRAC.	LEAD IN 2.0MM FRACTION STREET DEBRIS (UG/G)
82282	LEAD IN 4.0MM FRAC.	LEAD IN 4.0MM FRACTION STREET DEBRIS (UG/G)
82283	COLLECTOR EFF. DRY	COLLECTOR EFFICIENCY, DRY DEPOSITION, PERCENT
82284	COLLECTOR EFF. WET	COLLECTOR EFFICIENCY, WET DEPOSITION, PERCENT
82285	RATE OF DRY DEP.	RATE OF DRY DEPOSITION (MS/SQ M/DAY)
82286	SOLIDS IN RAINFALL	SOLIDS IN RAINFALL, DRY WEIGHT (MG/L)
82292	DRGS SOURCE NODE	DATA RELAY GROUND STATION SOURCE NODE CODE
82299	FLUORIDE SUSP. TOTAL	FLUORIDE SUSP. TOTAL (MG/L AS F)
82300	SNOW DEPTH	SNOW DEPTH INCHES
82301	SAMPLE LOCA.SN.CRS.	SAMPLE LOCA. SN.CRS. (FEET FROM BEGIN. MARKER)
82302	RADON 222 TL.COUNT.E	RADON 222 TOTAL COUNTS ERROR (PCI/L)

CODE	SHORTNAME	LONGNAME
82303	RADON 222 TOTAL	RADON 222 TOTAL (PCI/L)
82304	RADON 222 DISSV.CT.E	RADON 222 DISSOLVED COUNTING ERROR (PCI/L)
82305	RADON 222 DISSOLV	RADON 222 DISSOLVED (PCI/L)
82306	COBALT 60 DISSV.CT.E	COBALT 60 DISSOLVED COUNTING ERROR (PCI/L)
82307	COBALT 60	COBALT 60 DISSOLVED (PCI/L)
82308	SCINTILLATION GAMMA	SCINTILLATION GAMMA (COUNTS PER SECOND)
82309	CONTAMINATION SOURCE	CONTAMINATION SOURCE, POSSIBLE (CODES)
82310	DEPTH,CONFIDENCE	DEPTH,CONFIDENCE IN REPORTED VALUES (CODES)
82311	YTTERBIUM	YTTERBIUM BOTTOM MATERIAL (UG/KG AS YB)
82312	TUNGSTEN BOT.MAT	TUNGSTEN BOT.MAT (UG/KG AS W)
82313	THORIUM BOT. MAT.	THORIUM BOTTOM MATERIAL (UG/KG AS TH)
82314	HELIUM BOT.MAT	HELIUM BOT.MAT (UG/KG AS HE)
82315	HELIUM SUSP.	HELIUM SUSP. (UG/KG AS HE)
82316	HELIUM TOTAL	HELIUM TOTAL (UG/KG AS HE)
82317	SCANDIUM BOT.MAT	SCANDIUM BOT.MAT(UG/KG AS SC)
82318	TANTALUM TOTAL	TANTALUM TOTAL (UG/L AS TA)
82319	TATALUM TOTAL	TATALUM TOTAL (UG/L AS TA)
82320	TANTALUM SUSP.	TANTALUM SUSP. (UG/L AS TA)
82321	TANTALUM BOT.MAT	TANTALUM BOT.MAT (UG/KG)
82322	SAMARIUM TOTAL	SAMARIUM TOTAL (UG/L AS SM)
82323	SAMARIUM DISSOLV	SAMARIUM DISSLOV (UG/L AS SM )
82324	SAMARIUM SUSP.	SAMARIUM SUSPENDED (UG/L AS SM)
82325	SAMARIUM BOT.MAT	SAMARIUM BOT.MAT (UG/KG AS SM)
82326	RUTHENIUM TOTAL	RUTHENIUM TOTAL (UG/L AS RU)
82327	RUTHENIUM DISSLOV	RUTHENIUM DISSLOV (UG/L AS RU)
82328	RUTHENIUM SUSP.	RUTHENIUM SUSP.(UG/L AS RU)
82329	RUTHENIUM BOT. MAT.	RUTHENIUM BOTTOM MATERIAL (UG/KG AS RU)
82330	DYSPROSIUM TOTAL	DYSPROSIUM TOTAL (UG/L AS DY)
82331	DYSPROSIUM DISSOLV	DYSPROSIUM DISSOLV (UG/L AS DY)
82332	DYSPRISIUM SUSP.	DYSPROSIUM SUSPENDED (UG/L AS DY)
82333	DYSPROSIUM BOT.MAT	DYSPROSIUM BOT.MAT (UG/KG AS DY)
82334	GOLD DISSOLV	GOLD DISSOLV (UG/L AS AU)
82335	GOLD SUSP.	GOLD SUSP. (UG/L AS AU)
82336	SULFUR 34 / 32 RATIO	SULFUR 34 / 32 RATIO, BOTTOM MATERIAL
82337	OXYGEN 18 / 16 RATIO	OXYGEN 18 / 16 RATIO, BOTTOM MATERIAL
82338	NITROGEN 15/14 RATIO	NITROGEN 15 / 14 RATIO, BOTTOM MATERIAL
82339	CARBON 13 / 12 RATIO	CARBON 13 / 12 RATIO, BOTTOM MATERIAL
82340	PICRIC ACID TOTAL	PICRIC ACID TOTAL (UG/L)
82341	NITRO-15/NITRO-14 TO	NITROGEN-15/NITROGEN-14 TOTAL ORGANIC IN SOIL OR ROCK, RATIO PER MIL
82342	TRITHION DISSOLV	TRITHION DISSOLV (UG/L)
82343	TRITHION SUSP.	TRITHION SUSP. (UG/L)
82344	METHYLTRITHION DIS.	METHYLTRITHION DISSLOV (UG/L)
82345	METHYLTRITHION SUSP.	METHYLTRITHION SUSPENDED (UG/L)
82346	ETHION DISSOLV	ETHION DISSOLV (UG/L)
82347	ETHION SUSP.	ETHION SUSP. (UG/L)
82348	PERTHANE DISSOLV	PERTHANE DISSOLV (UG/L)
82349	PERTHANE SUSP.	PERTHANE SUSPENDED (UG/L)
82350	METHOXYCHLOR DISS.	METHOXYCHLOR DISSOLVED (UG/L)
82351	METHOXYCHLOR SUSP.	METHOXYCHLOR SUSPENDED (UG/L)
82352	KEPONE DISSOLVED	KEPONE DISSOLVED (UG/L)
82353	KEPONE SUSPENDED	KEPONE, SUSPENDED (UG/L)
82354	ENDOSULFAN DISSOLVED	ENDOSULFAN DISSOLVED (UG/L)
82355	ENDOSULFAN SUSP.	ENDOSULFAN SUSP. (UG/L)
82356	2,4-DP DISSOLV	2,4-DP DISSOLV (UG/L)
82357	ETHYLENE TOTAL	ETHYLENE TOTAL (UG/L)
82358	PROPANE TOTAL	PROPANE TOTAL (UG/L)
82359	PROPANE DISSOLV	PROPANE DISSOLV (UG/L)
82360	PCN DISSOLV	PCN DISSOLV (UG/L)
82361	PCN SUSP.	PCN SUSP. (UG/L)
82362	RADON 222 DISS GAS	RADON 222 DISSOLVED GAS (PCI/L)
82363	DRY DEPOSITION	DRY DEPOSITION (MG/SQ M)

CODE	SHORTNAME	LONGNAME
82364	THORIUM TOTAL	THORIUM TOTAL (UG/L AS TH)
82365	THORIUM DISSOLV	THORIUM DISSLV (UG/L AS TH)
82366	THORIUM SUSP.	THORIUM SUSP. (UG/L AS TH)
82371	PRECIP-ITATIONWITHIN	PRECIP-ITATIONWITHIN 3 DAYS BEFORE SAMPLE INCHES
82372	PRECIP-ITATIONWITHIN	PRECIP-ITATIONWITHIN 14 DAYS BEFORE SAMPLE INCHES
82373	SAMPLE FREQUENCY	SAMPLE FREQUENCY
82374	TIME SINCE STREETS	TIME SINCE STREETS WERE LAST SWEEPED (DAYS)
82375	SOLIDS ACCUM- ULATIO	MAGNESIUM, TOTAL RECOVERABLE DRY DEP (MG/KG)
82376	SWEEPER, STREET TYPE	SWEEPER, STREET TYPE
82377	CURB-MILES CATCHMENT	CURB-MILES CATCHMENT FRACTION SWEPT PER DAY
82378	STORM EVENT PREC.	STORM EVENT, PRECEDING SERIAL NUMBER
82379	SOLIDS STREET LOAD	SOLIDS STREET LOAD REMOVEDSWEEP. POUNDS/CURB-MI
82380	SOLIDS, STREET TOTAL	SOLIDS STREET TOTAL DRY WEIGHT POUNDS/CURB-MI)
82381	PRECIPITATION TOTAL	PRECIPITATION TOTAL INCHES/STORM
82398	SAMPLING METHOD	SAMPLING METHOD (CODES)
82402	PROMETON BM DRY WGT	PROMETON, SEDIMENT, BOTTOM MATERIAL, DRY WEIGHT, RECOVERABLE, MICROGRAMS PER KILOGRAM
82418	CIS-PERMETHRIN REC	CIS-PERMETHRIN, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
82420	TRANS-PERMETHRIN RE	TRANS-PERMETHRIN, WATER, WHOLE, RECOVERABLE, MICROGRAMS PER LITER
82425	POTASSIUM, TOT. REC.	POTASSIUM, TOTAL RECOVERABLE DRY DEP (MG/KG)
82426	POTASSIUM, INSOL.	POTASSIUM, INSOLUBLE DRY DEPOSITION (MG/KG)
82427	POTASSIUM DISSOLVED	POTASSIUM DISSOLVED DRY DEPOSITION (MG/KG)
82428	SODIUM TOTAL REC.	SODIUM TOTAL RECOVERABLE DRY DEPOSITION (MG/KG)
82429	SODIUM INSOLUBLE	SODIUM, INSOLUBLE DRY DEPOSITION (MG/KG)
82430	SODIUM DISSOLVED	SODIUM DISSOLVED DRY DEPOSITION (MG/KG)
82431	PHOSPHORUS ORTHO. T	PHOSPHORUS ORTHOPHOSPHATE TOTAL DRY DEPOSITION (MG/KG)
82432	PHOSPHORUS ORTHO. T	PHOSPHORUS ORTHOPHOSPHATE TOTAL DRY DEPOSITION (MG/KG)
82433	PHOSPHORUS ORTHO. I	PHOSPHORUS ORTHOPHOSPHATE INSOLUBLE DRY DEPOSITION (MG/KG)
82434	PHOSPHORUS ORTHO. I	PHOSPHORUS ORTHOPHOSPHATE INSOLUBLE DRY DEPOSITION (MG/KG)
82435	PHOSPHORUS ORTHO. D	PHOSPHORUS ORTHOPHOSPHATE DISSOLVED DRY DEPOSITION (MG/KG)
82436	PHOSPHORUS ORTHO. D	PHOSPHORUS ORTHOPHOSPHATE DISSOLVED DRY DEPOSITION (MG/KG)
82437	PHOSPHORUS TOTAL	PHOSPHORUS TOTAL DRY DEPOSITION (MG/KG AS PO4)
82438	PHOSPHORUS TOTAL	PHOSPHORUS TOTAL DRY DEPOSITION (MG/KG AS P)
82439	PHOSPHORUS INSOL.	PHOSPHORUS INSOLUBLE DRY DEPOSITION (MG/KG AS PO4)
82440	PHOSPHORUS INSOL.	PHOSPHORUS INSOLUBLE DRY DEPOSITION (MG/KG AS P)
82441	PHOSPHORUS DISS.	PHOSPHORUS DISSOLVED DRY DEPOSITION (MG/KG) AS PO4)
82442	PHOSPHORUS DISS.	PHOSPHORUS DISSOLVED DRY DEPOSITION (MG/KG AS P)
82443	NITROGEN, TOTAL DRY	NITROGEN TOTAL DRY DEPOSITION (MG/KG AS N)
82444	NITROGEN, INSOL. DRY	NITROGEN INSOLUBLE DRY DEPOSITION (MG/KG AS N)
82445	NITROGEN DISSOLVED	NITROGEN DISSOLVED DRY DEPOSITION (MG/KG AS N)
82446	NITROGEN ORGANIC TOT	NITROGEN ORGANIC TOTAL DRY DEPOSITION (MG/KG AS N)
82447	NITROGEN ORGANIC INS	NITROGEN ORGANIC INSOLUBLE DRY DEPOSITION (MG/KG AS N)
82448	NITROGEN ORGANIC DIS	NITROGEN ORGANIC DISSOLVED DRY DEPOSITION (MG/KG AS N)
82449	NITROGEN AMM+ORG T.	NITROGEN AMM+ORG TOTAL DRY DEPOSITION (MG/KG AS N)
82450	NITROGEN AMM+ORG INS	NITROGEN AMM+ORG INSOLUBLE DRY DEPOSITION (MG/KG AS N)
82451	NITROGEN AMM+ORG DIS	NITROGEN AMM+ORG DISSOLVED DRY DEPOSITION (MG/KG AS N)
82452	NITROGEN AMMONIA TOT	NITROGEN AMMONIA TOTAL IN DRY DEPOSITION (MG/KG AS NH4)
82453	NITROGEN AMMONIA TOT	NITROGEN AMMONIA TOTAL IN DRY DEPOSITION (MG/KG AS N)
82454	NITROGEN AMM. INSOL.	NITROGEN AMMONIA INSOLUBLE DRY DEPOSITION (MG/KG AS NH4)
82455	NITROGEN AMM.INSOL.	NITROGEN AMMONIA INSOLUBLE DRY DEPOSITION (MG/KG AS N)
82456	NITROGEN AMM. DISS.	NITROGEN AMMONIA DISSOLVED DRY DEPOSITION (MG/KG AS NH4)
82457	NITROGEN AMM. DISS.	NITROGEN AMMONIA DISSOLVED DRY DEPOSITION (MG/KG AS N)
82458	NITROGEN NIT+NIT D.	NITROGEN NIT+NIT DISSOLVED DRY DEPOSITION (MG/KG AS N)
82459	NITROGEN NITRITE D.	NITROGEN NITRITE DISSOLVED DRY DEPOSITION (MG/KG AS NO2)
82460	NITROGEN NITRITE DIS	NITROGEN NITRITE DISSOLVED DRY DEPOSITION (MG/KG AS N)
82461	NITROGEN NITRATE DIS	NITROGEN NITRATE DISSOLVED DRY DEPOSITION (MG/KG AS NO3)
82462	NITROGEN NITRATE DIS	NITROGEN NITRATE DISSOLVED DRY DEPOSITION (MG/KG AS N)
82463	SOLIDS,RESIDUEAT 105	SOLIDS, RESIDUE AT 105 DEG C, TOTAL DRY DEPOSITION (MG/KG)
82464	SOLIDS,RESIDUEAT 105	SOLIDS,RESIDUEAT 105 DEG C INSOL.DRY DEP(MG/KG)
82465	SOLIDS,RESIDUEAT 105	SOLIDS,RESIDUEAT 105 DEG C DISSOLVDRY DEP(MG/KG)
82466	SOLIDS SUM OF C. TOT	SOLIDS SUM OF CONSTIT TOTAL DRY DEPOSITION (MG/KG)

CODE	SHORTNAME	LONGNAME
82467	SOLIDS SUM OF C. INS	SOLIDS SUM OF CONSTIT INSOLUBLE DRY DEPOSITION (MG/KG)
82468	SOLIDS SUM OF C. DIS	SOLIDS SUM OF CONSTIT DISSOLVED DRY DEPOSITION (MG/KG)
82469	NITROSOMONAS M.P.N.	NITROSOMONAS, MOST PROBABLE NUMBER PER 100 ML
82470	CALCIUM TOT. REC.	CALCIUM TOTAL RECOVERABLE DRY DEPOSITION (MG/KG)
82471	CALCIUM INSOL. DRY	CALCIUM INSOLUBLE DRY DEPOSITION (MG/KG)
82472	CALCIUM DISSOLVED	CALCIUM DISSOLVED DRY DEPOSITION (MG/KG)
82473	MAGNESIUM DISSOLVED	MAGNESIUM DISSOLVED DRY DEPOSITION (MG/KG)
82474	MAGNESIUM INSOL.	MAGNESIUM INSOLUBLE DRY DEPOSITION (MG/KG)
82475	MAGNESIUM TOT. REC.	MAGNESIUM TOTAL RECOVERABLE DRY DEPOSITION (MG/KG)
82476	CHLORIDE DISSOLVED	CHLORIDE DISSOLVED DRY DEPOSITION (MG/KG)
82477	SULFATE DISSOLVED	SULFATE DISSOLVED DRY DEPOSITION (MG/KG)
82478	CARBONATE DISSOLVED	CARBONATE DISSOLVED DRY DEPOSITION (MG/KG)
82479	BICARBONATE DISS.	BICARBONATE DISSOLVED DRY DEPOSITION (MG/KG)
82480	CARBON INORGANIC D.	CARBON INORGANIC DISSOLVED DRY DEPOSITION (MG/KG AS C)
82481	CARBON INORGANIC I.	CARBON INORGANIC INSOLUBLE DRY DEPOSITION (MG/KG AS C)
82482	CARBON INORGANIC T.	CARBON INORGANIC TOTAL DRY DEPOSITION (MG/KG AS C)
82483	CARBON ORGANIC TOT.	CARBON ORGANIC TOTAL DRY DEPOSITION (MG/KG AS C)
82484	CARBON ORGANIC DISS.	CARBON ORGANIC DISSOLVED DRY DEPOSITION (MG/KG AS C)
82485	CARBON ORGANIC INS.	CARBON ORGANIC INSOLUBLE DRY DEPOSITION (MG/KG AS C)
82486	LEAD DISSOLVED DRY	LEAD DISSOLVED DRY DEPOSITION (UG/KG)
82487	LEAD INSOL. DRY	LEAD INSOLUBLE DRY DEPOSITION (UG/KG)
82488	LEAD TOTAL RECOV.	LEAD TOTAL RECOVERABLE DRY DEPOSITION (UG/KG)
82489	CADMUM DISSOLVED	CADMUM DISSOLVED DRY DEPOSITION (UG/KG)
82490	CADMUM INSOL. DRY	CADMUM INSOLUBLE DRY DEPOSITION (UG/KG)
82491	CADMUM TOTAL REC.	CADMUM TOTAL RECOVERABLE DRY DEPOSITION (UG/KG)
82492	COPPER DISSOLVED	COPPER DISSOLVED DRY DEPOSITION (UG/KG)
82493	COPPER INSOL. DRY	COPPER INSOLUBLE DRY DEPOSITION (MG/KG)
82494	COPPER TOTAL REC.	COPPER TOTAL RECOVERABLE DRY DEPOSITION (UG/KG)
82495	ZINC DISSOLVED DRY	ZINC DISSOLVED DRY DEPOSITION (UG/KG)
82496	ZINC INSOLUBLE DRY	ZINC INSOLUBLE DRY DEPOSITION (UG/KG)
82497	ZINC TOTAL RECOV.	ZINC TOTAL RECOVERABLE DRY DEPOSITION (UG/KG)
82498	CHROMIUM DISSOLVED	CHROMIUM DISSOLVED DRY DEPOSITION (UG/KG)
82499	CHROMIUM INSOL. DRY	CHROMIUM INSOLUBLE DRY DEPOSITION (UG/KG)
82500	CHROMIUM TOTAL REC.	CHROMIUM TOTAL RECOVERABLE DRY DEPOSITION (UG/KG)
82501	IRON DISSOLVED DRY	IRON DISSOLVED DRY DEPOSITION (UG/KG)
82502	IRON INSOL. DRY DEP.	IRON INSOLUBLE DRY DEPOSITION (UG/KG)
82503	IRON TOTAL REC.	IRON TOTAL RECOVERABLE DRY DEPOSITION (UG/KG)
82504	ARSENIC DISSOLVED	ARSENIC DISSOLVED DRY DEPOSITION (UG/KG)
82505	ARSENIC INSOL. DRY	ARSENIC INSOLUBLE DRY DEPOSITION (UG/KG)
82506	ARSENIC TOTAL DRY	ARSENIC TOTAL DRY DEPOSITION (UG/KG)
82532	NITRO-BACTER, MOST	NITRO-BACTER, MOST PROB. NUMBER PER 100 ML
82534	PROPАЗINE BM DRY WGT	PROPАЗINE, SEDIMENT, BOTTOM MATERIAL, DRY WEIGHT, RECOVERABLE, MICROGRAMS PER KILOGRAM
82550	OSMOTIC PRESSURE	PRESSURE, OSMOTIC, WATER, UNFILTERED, MOSM/KG
82555	CARBON PROD. PLANTS	CARBON PRODUCTION IN PLANTS PHOTOSYNTHESIS, C-14, (MG OF C / SQM)
82584	3-HYDRX. CARBOFURAN	3-HYDROXY CARBOFURAN, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82585	ALDICARB OXIME	ALDICARB OXIME, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82586	ALDICARB SULFOXIDE	ALDICARB SULFOXIDE, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82587	ALDICARB SULFONE	ALDICARB SULFONE, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82588	ALDICARB NITRILE	ALDICARB NITRILE, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82610	1,2-DICHLOROPROPENE	1,2-DICHLOROPROPENE, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82611	METRIBUZIN	METRIBUZIN, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82612	METOLACHLOR	METOLACHLOR, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82613	OXYAMYL	OXYAMYL, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82614	FONOFO (DYFONATE)	FONOFO, (DYFONATE), WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82615	CARBOFURAN	CARBOFURAN, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82616	AZINPHOS	AZINPHOS, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82617	DISULFOTON	DISULFOTON, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82618	CARBARYL	CARBARYL, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82619	ALDICARB	ALDICARB, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82620	PROPHAM	PROPHAM, WATER, WHOLE, TOTAL RECOVERABLE, UG/L

CODE	SHORTNAME	LONGNAME
82621	HEXACHLOROBENZENE	HEXACHLOROBENZENE, WATER, WHOLE, TOTAL RECOVERABLE
82622	ENDRIN ALDEHYDE	ENDRIN ALDEHYDE, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82623	ENDOSULFAN SULFATE	ENDOSULFAN SULFATE, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82624	ENDOSULFAN II	ENDOSULFAN II, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82625	DIBROMOCHLOROPROPAN	DIBROMOCHLOROPROPANE, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82626	1,2-DIPHENYLHYDRAZIN	1,2-DIPHENYLHYDRAZINE, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82627	PARACHLOROMETA CRES	PARACHLOROMETA CRESOL, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82628	OCTACHLOROSTYRENE	OCTACHLOROSTYRENE, WATER, WHOLE, TOTAL RECOVERABLE, UG/L
82630	METRIBUZIN.WAT.DIS.	METRIBUZIN, (SENCOR), WATER, DISSOLVED, UG/L
82631	O,P' DDT,WAT.DIS.	O,P' DDT, WATER, DISSOLVED, UG/L
82632	AREA, CROSS-SECTION	AREA, CROSS-SECTIONAL, IN SQUARE FEET
82660	26DIETHYLANAILIN F.	2,6-DIETHYLANILINE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82661	TRIFLURALIN FIL 0.7	TRIFLURALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82662	DIMETHOATE FIL 0.7	DIMETHOATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82663	ETHALFLURALIN FIL .	ETHALFLURALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82664	PHORATE FIL 0.7 REC	PHORATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82665	TERBACIL FIL 0.7 RE	TERBACIL, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82666	LINURON FIL 0.7 REC	LINURON, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82667	METHYL PARATHION F.	METHYL PARATHION, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82668	EPTC FIL 0.7 REC	EPTC, WATER, FILTERED, LASS FIBER, 0.7 U, RECOVERABLE, UG/L
82669	PEBULATE FIL 0.7 RE	PEBULATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82670	TEBUTHIURON FIL .7	TEBUTHIURON, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82671	MOLINATE FIL 0.7 RE	MOLINATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82672	ETHOPROP FIL 0.7 RE	ETHOPROP, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82673	BENFLURALIN FIL .7	BENFLURALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82674	CARBOFURAN FIL .7 R	CARBOFURAN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82675	TERBUFOS FIL 0.7 RE	TERBUFOS, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82676	PRONAMIDE FIL .7 RE	PRONAMIDE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82677	DISULFOTON FIL .7 R	DISULFOTON, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82678	TRIALLATE FIL .7 RE	TRIALLATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82679	PROPANIL FIL 0.7 RE	PROPANIL, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82680	CARBARYL FIL 0.7 RE	CARBARYL, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82681	THIOBENCARB FIL .7	THIOBENCARB, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82682	DCPA FIL 0.7 REC	DCPA, WATER, FILTERED, LASS FIBER, 0.7 U, RECOVERABLE, UG/L
82683	PENDIMETHALIN F.7 R	PENDIMETHALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82684	NAPROPAamide FIL .7	NAPROPAamide, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82685	PROPARGITE FIL .7 R	PROPARGITE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82686	METHYL AZINPHOS F.7	METHYL AZINPHOS, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82687	PERMETHRIN FIL .7 R	PERMETHRIN, CIS, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82688	N14/N15 NO3 SOIL	NITROGEN-15/NITROGEN-14, NITRATE FRACTION, SOIL, PER MIL
82689	N14/N15 NH4 SOIL	NITROGEN-15/NITROGEN-14, AMMONIUM FRACTION, SOIL, PER MIL
82690	N14/N15 NO3 FRAC	NITROGEN-15/NITROGEN-14, NITRATE FRACTION, WATER, FILTERED, PER MIL
82691	N14/N15 NH4 FRAC	NITROGEN-15/NITROGEN-14, AMMONIUM FRACTION, WATER, FILTERED, PER MIL
82692	CARBOFURAN ELISA	CARBOFURAN, ELISA, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82694	METOLACHLOR ELISA	METOLACHLOR, ELISA, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82695	ALACHLOR ELISA	ALACHLOR, ELISA, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82696	CYANAZINE ELISA	CYANAZINE, ELISA, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82697	2,4-D ELISA	2,4-D, ELISA, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L
82903	DEPTH TO BOTTOM M	DEPTH TO BOTTOM FROM WATER SURFACE, AT SAMPLING LOCATION, IN METERS
82904	ALK.FLD.ATM.DEP.W.T.	ALKALINITY, FIELD, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS CACO3, MG/L
82905	ALKALINITY,F,AD,W.T.	ALKALINITY, FIELD, ATMOSPHERIC DEPOSITION, WET, TOTAL, (UEQ/L AS CACO3)
82906	ALKALINITY,L,AD,W.T.	ALKALINITY, LAB, ATMOSPHERIC DEPOSITION, WET, TOTAL, (MG/L AS CACO3)
82907	ALKALINITY,L,AD,W.T.	ALKALINITY, LAB, ATMOSPHERIC DEPOSITION, WET, TOTAL, (UEQ/L AS CACO3)
82908	ALUMINUM,ATM.D. W.D.	ALUMINUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, (UEQ/L)
82909	ALUMINUM,ATM.D. W.D.	ALUMINUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, (UG/M2)
82910	ALUMINUM,ATM.D. W.S.	ALUMINUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, (UG/L)
82911	ALUMINUM,ATM.D. W.S.	ALUMINUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, (UG/M2)
82912	ALUMINUM,ATM.D. W.R.	ALUMINUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, (UG/L)
82913	ALUMINUM,ATM.D. W.R.	ALUMINUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, (UG/M2)
82914	ALUMINUM,ATM.D. W.T.	ALUMINUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, (UG/L)
82915	ALUMINUM,ATM.D. W.T.	ALUMINUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, (UG/M2)

CODE	SHORTNAME	LONGNAME
82916	AREA,SAMPLER AT.D.	AREA, SAMPLER, ATMOSPHERIC DEPOSITION, WET, (CM2)
82917	ARSENIC,ATM.DEP.W.	ARSENIC, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
82918	ARSENIC,ATM.DEP.W.	ARSENIC, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
82919	ARSENIC,ATM.DEP.W.	ARSENIC, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
82920	ARSENIC,ATM.DEP.W.	ARSENIC, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
82921	ARSENIC,ATM.DEP.W.	ARSENIC, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
82922	ARSENIC,ATM.DEP.W.	ARSENIC, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
82923	ATM.DEP.TYPE WET	ATMOSPHERIC DEPOSITION TYPE , WET, CODES
82924	CADMUM, ATM.DEP.W.D	CADMUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, (UG/L)
82925	CADMUM,ATM.DEP.W.D.	CADMUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, (UG/M2)
82926	CADMUM,ATM.DEP.W.S.	CADMUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, (UG/L)
82927	CADMUM,ATM.DEP.W.S.	CADMUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, (UG/M2)
82928	CADMUM,ATM.DEP.W.R.	CADMUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, (UG/L)
82929	CADMUM,ATM.DEP.W.R.	CADMUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, (UG/M2)
82930	CADMUM,ATM.DEP.W.T.	CADMUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, (UG/L)
82931	CADMUM,ATM.DEP.W.T.	CADMUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, (UG/M2)
82932	CALCIUM,ATM.DEP.W.D.	CALCIUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, (MG/L)
82933	CALCIUM,ATM.DEP.W.D.	CALCIUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, (MG/M2)
82935	CALCIUM,ATM.DEP.W.S.	CALCIUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, (MG/L)
82936	CALCIUM,ATM.DEP.W.S.	CALCIUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, (MG/M2)
82938	CALCIUM,ATM.DEP.W.R.	CALCIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, (MG/L)
82939	CALCIUM,ATM.DEP.W.R.	CALCIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, (MG
82940	CALCIUM,ATM.DEP.W.R.	CALCIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, (UEQ/L)
82941	CALCIUM,ATM.DEP.W.T.	CALCIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, (MG/L)
82942	CALCIUM,ATM.DEP.W.T.	CALCIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, (MG/M2)
82944	CHLORIDE,AT.DEP.W.	CHLORIDE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, MG/L
82945	CHLORIDE,AT.DEP.W.	CHLORIDE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, MG/M2
82946	CHLORIDE,AT.DEP.W.	CHLORIDE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UEQ/L
82947	CHLORIDE,AT.DEP.W.	CHLORIDE, ATMOSPHERIC DEPOSITION, WET, TOTAL, MG/L
82948	CHLORIDE,AT.DEP.W.	CHLORIDE, ATMOSPHERIC DEPOSITION, WET, TOTAL, MG/M2
82949	CHLORIDE,AT.DEP.W.	CHLORIDE, ATMOSPHERIC DEPOSITION, WET, TOTAL, UEQ/L
82950	CHROMIUM,AT.DEP.W.	CHROMIUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
82951	CHROMIUM,AT.DEP.W.	CHROMIUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
82952	CHROMIUM,AT.DEP.W.	CHROMIUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
82953	CHROMIUM,AT.DEP.W.	CHROMIUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
82954	CHROMIUM,AT.DEP.W.	CHROMIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/L
82955	CHROMIUM,AT.DEP.W.	CHROMIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/M2
82956	CHROMIUM,AT.DEP.W.	CHROMIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
82957	CHROMIUM,AT.DEP.W.	CHROMIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
82958	COBALT,ATM.DEP.W.D	COBALT, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
82959	COBALT,ATM.DEP.W.D	COBALT, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
82960	COBALT,ATM.DEP.W.S	COBALT, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
82961	COBALT,ATM.DEP.W.S	COBALT, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
82962	COBALT,ATM.DEP.W.R	COBALT, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/L
82963	COBALT,ATM.DEP.W.R	COBALT, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/M2
82964	COBALT,ATM.DEP.W.T	COBALT, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
82965	COBALT,ATM.DEP.W.T	COBALT, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
82966	COPPER,ATM.DEP.W.D	COPPER, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
82967	COPPER,ATM.DEP.W.D	COPPER, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
82968	COPPER,ATM.DEP.W.S	COPPER, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
82969	COPPER,ATM.DEP.W.S	COPPER, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
82970	COPPER,ATM.DEP.W.R	COPPER, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/L
82971	COPPER,ATM.DEP.W.R	COPPER, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/M2
82972	COPPER,ATM.DEP.W.T	COPPER, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
82973	COPPER,ATM.DEP.W.T	COPPER, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
82974	HYDROGEN,AT.DEP.W.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, MG/L
82975	HYDROGEN,AT.DEP.W.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, MG/M2
82976	HYDROGEN,AT.DEP.W.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UEQ/L
82977	HYDROGEN,AT.DEP.W.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, WET, TOTAL, MG/L
82978	HYDROGEN,AT.DEP.W.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, WET, TOTAL, MG/M2
82979	HYDROGEN,AT.DEP.W.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, WET, TOTAL, UEQ/L

CODE	SHORTNAME	LONGNAME
82980	HYDROGEN,C.AT.D.W.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, MG/L
82981	HYDROGEN,C.AT.D.W.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, MG/M2
82982	HYDROGEN,C.AT.D.W.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UEQ/L
82983	HYDROGEN,C.AT.D.W.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, WET, TOTAL, MG/L
82984	HYDROGEN,C.AT.D.W.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, WET, TOTAL, MG/M2
82985	HYDROGEN,C.AT.D.W.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, WET, TOTAL, UEQ/L
82986	IRON,ATM.DEP.W.D.	IRON, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
82987	IRON,ATM.DEP.W.D.	IRON, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
82988	IRON,ATM.DEP.W.S.	IRON, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
82989	IRON,ATM.DEP.W.S.	IRON, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
82990	IRON,ATM.DEP.W.R.	IRON, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/L
82991	IRON,ATM.DEP.W.R.	IRON, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/M2
82992	IRON,ATM.DEP.W.T.	IRON, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
82993	IRON,ATM.DEP.W.T.	IRON, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
82994	LEAD,ATM.DEP.W.D.	LEAD, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
82995	LEAD,ATM.DEP.W.D.	LEAD, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
82996	LEAD,ATM.DEP.W.S.	LEAD, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
82997	LEAD,ATM.DEP.W.S.	LEAD, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
82998	LEAD,ATM.DEP.W.R.	LEAD, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/L
82999	LEAD,ATM.DEP.W.R.	LEAD, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/M2
83000	LEAD,ATM.DEP.W.T.	LEAD, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
83001	LEAD,ATM.DEP.W.T.	LEAD, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
83002	MAGNESIUM,AT.D.W.D	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, MG/L
83003	MAGNESIUM,AT.D.W.D	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, MG/M2
83004	MAGNESIUM,AT.D.W.D	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UEQ/L
83005	MAGNESIUM,AT.D.W.S	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, MG/L
83006	MAGNESIUM,AT.D.W.S	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, MG/M2
83007	MAGNESIUM,AT.D.W.S	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UEQ/L
83008	MAGNESIUM,AT.D.W.R	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE,M G/L
83009	MAGNESIUM,AT.D.W.R	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE,M G/M2
83010	MAGNESIUM,AT.D.W.R	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE,U EQ/L
83011	MAGNESIUM,AT.D.W.T	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, MG/L
83012	MAGNESIUM,AT.D.W.T	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, MG/M2
83013	MAGNESIUM,AT.D.W.T	MAGNESIUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, UEQ/L
83014	MANGANESE,AT.D.W.D	MANGANESE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
83015	MANGANESE,AT.D.W.D	MANGANESE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
83016	MANGANESE,AT.D.W.S	MANGANESE, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
83017	MANGANESE,AT.D.W.S	MANGANESE, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
83018	MANGANESE,AT.D.W.R	MANGANESE, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE,U G/L
83019	MANGANESE,AT.D.W.R	MANGANESE, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE,U G/M2
83020	MANGANESE,AT.D.W.T	MANGANESE, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
83021	MANGANESE,AT.D.W.T	MANGANESE, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
83022	MERCURY,ATM.DEP.W.	MERCURY, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
83023	MERCURY,ATM.DEP.W.	MERCURY, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
83024	MERCURY,ATM.DEP.W.	MERCURY, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
83025	MERCURY,ATM.DEP.W.	MERCURY, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
83026	MERCURY,ATM.DEP.W.	MERCURY, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
83027	MERCURY,ATM.DEP.W.	MERCURY, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
83028	MOLYBDENUM,A.D.W.D	MOLYBDENUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
83029	MOLYBDENUM,A.D.W.D	MOLYBDENUM, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
83030	MOLYBDENUM,A.D.W.S	MOLYBDENUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
83031	MOLYBDENUM,A.D.W.S	MOLYBDENUM, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
83032	MOLYBDENUM,A.D.W.R	MOLYBDENUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/L
83033	MOLYBDENUM,A.D.W.R	MOLYBDENUM, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/M2
83034	MOLYBDENUM,A.D.W.T	MOLYBDENUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
83035	MOLYBDENUM,A.D.W.T	MOLYBDENUM, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
83036	NICKEL,ATM.DEP.W.D	NICKEL, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
83037	NICKEL,ATM.DEP.W.D	NICKEL, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
83038	NICKEL,ATM.DEP.W.S	NICKEL, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
83039	NICKEL,ATM.DEP.W.S	NICKEL, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
83040	NICKEL,ATM.DEP.W.R	NICKEL, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/L

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83041	NICKEL,ATM.DEP.W.R	NICKEL, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/M2
83042	NICKEL,ATM.DEP.W.T	NICKEL, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
83043	NICKEL,ATM.DEP.W.T	NICKEL, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
83044	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, MG/L
83045	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, MG/M2
83046	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, UEQ/L
83047	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NH4, MG/L
83048	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NH4, MG/M2
83049	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NH4, UEQ/L
83050	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, SUSPENDED, AS N, MG/L
83051	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, SUSPENDED, AS N, MG/M2
83052	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, SUSPENDED, AS N, UEQ/L
83053	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, SUSPENDED, AS NH4, MG/L
83054	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, SUSPENDED, AS NH4, MG/M2
83055	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, SUSPENDED, AS NH4, UEQ/L
83056	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, AS N, MG/L
83057	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, AS N, MG/M2
83058	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, AS N, UEQ/L
83059	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, AS NH4, MG/L
83060	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, AS NH4, MG/M2
83061	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, AS NH4, UEQ/L
83062	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, MG/L
83063	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, MG/M2
83064	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, UEQ/L
83065	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NH4, MG/L
83066	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NH4, MG/M2
83067	NITROGEN,AM.A.D.W.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NH4, UEQ/L
83068	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, MG/L
83069	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, MG/M2
83070	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, UEQ/L
83071	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NO3, MG/L
83072	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NO3, MG/M2
83073	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NO3, UEQ/L
83074	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, MG/L
83075	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, MG/M2
83076	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, UEQ/L
83077	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NO3, MG/L
83078	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NO3, MG/M2
83079	NITROGEN,03,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NO3, UEQ/L
83080	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, MG/L
83081	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, MG/M2
83082	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, UEQ/L
83083	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NO3, MG/L
83084	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NO3, MG/M2
83085	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NO3, UEQ/L
83086	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, MG/L
83087	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, MG/M2
83088	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, UEQ/L
83089	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NO3, MG/L
83090	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NO3, MG/M2
83091	NITROGEN,PL,A.D.W.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NO3, UEQ/L
83092	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, MG/L

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83093	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, MG/M2
83094	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS N, UEQ/L
83095	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NO2, MG/L
83096	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NO2, MG/M2
83097	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS NO2, UEQ/L
83098	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, MG/L
83099	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, MG/M2
83100	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS N, UEQ/L
83101	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NO2, MG/L
83102	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NO2, MG/M2
83103	NITROGEN,02,A.D.W.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, WET, TOTAL, AS NO2, UEQ/L
83104	PH,CALC.AT.DEP.W.	PH, CALCULATED, AT DEPOSITION, WET, TOTAL, UNITS
83105	PH,CK.SOLA.DEP.W.	PH, CHECK SOLUTION ATMOSPERIC DEPOSITION, WET, TOTAL, UNITS
83106	PH,FIELD.AT.DEP.W.	PH, FIELD, ATMOSPH DEPOSITION, WET, TOTAL, UNITS
83107	PH, LAB, AT.DEP.W.	PH, LAB, ATMOSPHER DEPOSITION, WET, TOTAL, UNITS
83108	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS P, MG/L
83109	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS P, MG/M2
83110	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS P, UEQ/L
83111	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS PO4, MG/L
83112	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS PO4, MG/M2
83113	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, DISSOLVED, AS PO4, UEQ/L
83114	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, TOTAL, AS P, MG/L
83115	PHOSPHOR.OR.A.D.W.	PHOSPHORUS, ORTHO ATMOSPHERIC DEPOSITION, WET, TOTAL, AS P, MG/M2
83116	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, TOTAL, AS P, UEQ/L
83117	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, TOTAL, AS PO4, MG/L
83118	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, TOTAL, AS PO4, MG/M2
83119	PHOSPHOR.OR.A.D.W.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, WET, TOTAL, AS PO4, UEQ/L
83120	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, DISSOLVED, MG/L
83121	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, DISSOLVED, MG/M2
83122	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, DISSOLVED, UEQ/L
83123	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, SUSPENDED, MG/L
83124	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, SUSPENDED, MG/M2
83125	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, SUSPENDED, UEQ/L
83126	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, TOTAL RECOVERABLE, MG/L
83127	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, TOTAL RECOVERABLE, MG/M2
83128	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, TOTAL RECOVERABLE, UEQ/L
83129	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, TOTAL, MG/L
83130	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, TOTAL, MG/M2
83131	POTASSIUM,A.DEP.W.	POTASSIUM, ATMOSPH DEPOSITION, WET, TOTAL, UEQ/L
83132	SELENIUM,AT.DEP.W.	SELENIUM, ATMOSPHE DEPOSITION, WET, DISSOLVED, UG/L
83133	SELENIUM,AT.DEP.W.	SELENIUM, ATMOSPHE DEPOSITION, WET, DISSOLVED, UG/M2
83134	SELENIUM,AT.DEP.W.	SELENIUM, ATMOSPHE DEPOSITION, WET, SUSPENDED, UG/L
83135	SELENIUM,AT.DEP.W.	SELENIUM, ATMOSPHE DEPOSITION, WET, SUSPENDED, UG/M2
83136	SELENIUM,AT.DEP.W.	SELENIUM, ATMOSPHE DEPOSITION, WET, TOTAL, UG/L
83137	SELENIUM,AT.DEP.W.	SELENIUM, ATMOSPHE DEPOSITION, WET, TOTAL, UG/M2
83138	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, DISSOLVED, MG/L
83139	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, DISSOLVED, MG/M2
83140	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, DISSOLVED, UEQ/L
83141	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, SUSPENDED, MG/L
83142	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, SUSPENDED, MG/M2
83143	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, SUSPENDED, UEQ/L
83144	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, TOTAL RECOVERABLE, MG/L
83145	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, TOTAL RECOVERABLE, MG/M2
83146	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, TOTAL RECOVERABLE, UEQ/L
83147	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, TOTAL, MG/L
83148	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, TOTAL, MG/M2
83149	SODIUM, AT.DEP.W.	SODIUM, ATMOSPHERI DEPOSITION, WET, TOTAL, UEQ/L
83150	SPEC.COND.C.A.D.W.	SPECIFIC CONDUCTAN CALCULATED, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, US/CM AT 25
83151	SPEC.COND.C.A.D.W.	SPECIFIC CONDUCTAN CALCULATED, ATMOSPHERIC DEPOSITION, WET, TOTAL, US/CM AT 25 DEG

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83152	SPEC.COND.S.A.D.W.	SPECIFIC CONDUCTAN SOLUTION, ATMOSPHERIC DEPOSITION, WET, TOTAL, US/CM AT 25 DEG C
83153	SPEC.COND.F.A.D.W.	SPECIFIC CONDUCTAN FIELD, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, US/CM AT 25 DEG C
83154	SPEC.COND.F.A.D.W.	SPECIFIC CONDUCTAN FIELD, ATMOSPHERIC DEPOSITION, WET, TOTAL, US/CM AT 25 DEG C
83155	SPEC.COND.L.A.D.W.	SPECIFIC CONDUCTAN LAB, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, US/CM AT 25 DEG C
83156	SPEC.COND.L.A.D.W.	SPECIFIC CONDUCTAN LAB, ATMOSPHERIC DEPOSITION, WET, TOTAL, US/CM AT 25 DEG C
83157	SULFATE,S.A.DEP.W.	SULFATE, ATMOSPER DEPOSITION, WET, DISSOLVED, AS S, MG/L
83158	SULFATE,S.A.DEP.W.	SULFATE, ATMOSPER DEPOSITION, WET, DISSOLVED, AS S, MG/M2
83159	SULFATE,S.A.DEP.W.	SULFATE, ATMOSPER DEPOSITION, WET, DISSOLVED, AS S, UEQ/L
83160	SULFATE,SO4,A.D.W.	SULFATE, ATMOSPER DEPOSITION, WET, DISSOLVED, AS SO4, MG/L
83161	SULFATE,SO4,A.D.W.	SULFATE, ATMOSPER DEPOSITION, WET, DISSOLVED, AS SO4, MG/M2
83162	SULFATE,SO4,A.D.W.	SULFATE, ATMOSPER DEPOSITION, WET, DISSOLVED, AS SO4, UEQ/L
83163	SULFATE,S.A.DEP.W.	SULFATE, ATMOSPER DEPOSITION, WET, TOTAL, AS S, MG/L
83164	SULFATE,S.A.DEP.W.	SULFATE, ATMOSPER DEPOSITION, WET, TOTAL, AS S, MG/M2
83165	SULFATE,S.A.DEP.W.	SULFATE, ATMOSPER DEPOSITION, WET, TOTAL, AS S, UEQ/L
83166	SULFATE,SO4,A.D.W.	SULFATE, ATMOSPER DEPOSITION, WET, TOTAL, AS SO4, MG/L
83167	SULFATE,SO4,A.D.W.	SULFATE, ATMOSPER DEPOSITION, WET, TOTAL, AS SO4, MG/M2
83168	SULFATE,SO4,A.D.W.	SULFATE, ATMOSPER DEPOSITION, WET, TOTAL, AS SO4, UEQ/L
83169	VANADIUM.AT.DEP.W.	VANADIUM, ATMOSPHE DEPOSITION, WET, DISSOLVED, UG/L
83170	VANADIUM.AT.DEP.W.	VANADIUM, ATMOSPHE DEPOSITION, WET, DISSOLVED, UG/M2
83171	VANADIUM.AT.DEP.W.	VANADIUM, ATMOSPHE DEPOSITION, WET, SUSPENDED, UG/L
83172	VANADIUM.AT.DEP.W.	VANADIUM, ATMOSPHE DEPOSITION, WET, SUSPENDED, UG/M2
83173	VANADIUM.AT.DEP.W.	VANADIUM, ATMOSPHE DEPOSITION, WET, TOTAL RECOVERABLE, UG/L
83174	VANADIUM.AT.DEP.W.	VANADIUM, ATMOSPHE DEPOSITION, WET, TOTAL RECOVERABLE, UG/M2
83175	VANADIUM.AT.DEP.W.	VANADIUM, ATMOSPHE DEPOSITION, WET, TOTAL, UG/L
83176	VANADIUM.AT.DEP.W.	VANADIUM, ATMOSPHE DEPOSITION, WET, TOTAL, UG/M2
83177	VOLUME, AT.DEP.WET	VOLUME, ATMOSPHERI DEPOSITION, WET, L
83178	ZINC, AT.DEP.W.	ZINC, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/L
83179	ZINC, AT.DEP.W.	ZINC, ATMOSPHERIC DEPOSITION, WET, DISSOLVED, UG/M2
83180	ZINC, AT.DEP.W.	ZINC, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/L
83181	ZINC, AT.DEP.W.	ZINC, ATMOSPHERIC DEPOSITION, WET, SUSPENDED, UG/M2
83182	ZINC, AT.DEP.W.	ZINC, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/L
83183	ZINC, AT.DEP.W.	ZINC, ATMOSPHERIC DEPOSITION, WET, TOTAL RECOVERABLE, UG/M2
83184	ZINC, AT.DEP.W.	ZINC, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/L
83185	ZINC, AT.DEP.W.	ZINC, ATMOSPHERIC DEPOSITION, WET, TOTAL, UG/M2
83186	ALKALINITY,F,AD,B.T.	ALKALINITY, FIELD, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (MG/L AS CACO3)
83187	ALKALINITY,F,AD,B.T.	ALKALINITY, FIELD, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (UEQ/L AS CACO3)
83188	ALKALINITY,L,AD,B.T.	ALKALINITY, LAB, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (MG/L AS CACO3)
83189	ALKALINITY,L,AD,B.T.	ALKALINITY, LAB, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (UEQ/L AS CACO3)
83190	ALUMINUM,ATM.D.B.D.	ALUMINUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, (UG/L)
83191	ALUMINUM,ATM.D.B.D.	ALUMINUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, (UG/M2)
83192	ALUMINUM,ATM.D.B.S.	ALUMINUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, (UG/L)
83193	ALUMINUM,ATM.D.B.S.	ALUMINUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, (UG/M2)
83194	ALUMINUM,ATM.D.B.R.	ALUMINUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, (UG/L)
83195	ALUMINUM,ATM.D.B.R.	ALUMINUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, (UG/M2)
83196	ALUMINUM,ATM.D.B.T.	ALUMINUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (UG/L)
83197	ALUMINUM,ATM.D.B.T.	ALUMINUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (UG/M2)
83198	AREA,SAMPLER AT.D.	AREA, SAMPLER, ATMOSPHERIC DEPOSITION, BULK, (CM2)
83199	ARSENIC,ATM.DEP.B.	ARSENIC, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83200	ARSENIC,ATM.DEP.B.	ARSENIC, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83201	ARSENIC,ATM.DEP.B.	ARSENIC, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L
83202	ARSENIC,ATM.DEP.B.	ARSENIC, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83203	ARSENIC,ATM.DEP.B.	ARSENIC, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83204	ARSENIC,ATM.DEP.B.	ARSENIC, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
83205	ATM.DEP.TYPE BULK	ATMOSPHERIC DEPOSITION TYP , BULK, CODES
83206	CADMİUM,ATM.DEP.B.D.	CADMİUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, (UG/L)
83207	CADMİUM,ATM.DEP.B.D.	CADMİUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, (UG/M2)
83208	CADMİUM,ATM.DEP.B.S.	CADMİUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, (UG/L)
83209	CADMİUM,ATM.DEP.B.S.	CADMİUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, (UG/M2)

CODE	SHORTNAME	LONGNAME
83210	CADMUM,ATM.DEP.B.R.	CADMUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, (UG/L)
83211	CADMUM,ATM.DEP.B.R.	CADMUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, RECOVERABLE, (UG/M2)
83212	CADMUM,ATM.DEP.B.T.	CADMUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (UG/L)
83213	CADMUM,ATM.DEP.B.T.	CADMUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (UG/M2)
83214	CALCIUM,ATM.DEP.B.D.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, (MG/L)
83215	CALCIUM,ATM.DEP.B.D.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, (MG/M2)
83216	CALCIUM,ATM.DEP.B.D.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, (UEQ/L)
83217	CALCIUM,ATM.DEP.B.S.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, (MG/L)
83218	CALCIUM,ATM.DEP.B.S.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, (MG/M2)
83219	CALCIUM,ATM.DEP.B.S.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, (UEQ/L)
83220	CALCIUM,ATM.DEP.B.R.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, (MG/L)
83221	CALCIUM,ATM.DEP.B.R.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, (MG/M2)
83222	CALCIUM,ATM.DEP.B.R.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, (UEQ/L)
83223	CALCIUM,ATM.DEP.B.T.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (MG/L)
83224	CALCIUM,ATM.DEP.B.T.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (MG/M2)
83225	CALCIUM,ATM.DEP.B.T.	CALCIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, (UEQ/L)
83226	CHLORIDE,AT.DEP.B.	CHLORIDE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, MG/L
83227	CHLORIDE,AT.DEP.B.	CHLORIDE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, MG/M2
83228	CHLORIDE,AT.DEP.B.	CHLORIDE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UEQ/L
83229	CHLORIDE,AT.DEP.B.	CHLORIDE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, MG/L
83230	CHLORIDE,AT.DEP.B.	CHLORIDE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, MG/M2
83231	CHLORIDE,AT.DEP.B.	CHLORIDE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UEQ/L
83232	CHROMIUM,AT.DEP.B.	CHROMIUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83233	CHROMIUM,AT.DEP.B.	CHROMIUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83234	CHROMIUM,AT.DEP.B.	CHROMIUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L
83235	CHROMIUM,AT.DEP.B.	CHROMIUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83236	CHROMIUM,AT.DEP.B.	CHROMIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, U G/L
83237	CHROMIUM,AT.DEP.B.	CHROMIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, U G/M2
83238	CHROMIUM,AT.DEP.B.	CHROMIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83239	CHROMIUM,AT.DEP.B.	CHROMIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
83240	COBALT,ATM.DEP.B.D	COBALT, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83241	COBALT,ATM.DEP.B.D	COBALT, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83242	COBALT,ATM.DEP.B.S	COBALT, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L
83243	COBALT,ATM.DEP.B.S	COBALT, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83244	COBALT,ATM.DEP.B.R	COBALT, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/L
83245	COBALT,ATM.DEP.B.R	COBALT, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/M2
83246	COBALT,ATM.DEP.B.T	COBALT, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83247	COBALT,ATM.DEP.B.T	COBALT, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
83248	COPPER,ATM.DEP.B.D	COPPER, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83249	COPPER,ATM.DEP.B.D	COPPER, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83250	COPPER,ATM.DEP.B.S	COPPER, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L
83251	COPPER,ATM.DEP.B.S	COPPER, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83252	COPPER,ATM.DEP.B.R	COPPER, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/L
83253	COPPER,ATM.DEP.B.R	COPPER, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/M2
83254	COPPER,ATM.DEP.B.T	COPPER, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83255	COPPER,ATM.DEP.B.T	COPPER, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
83256	HYDROGEN,AT.DEP.B.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, MG/L
83257	HYDROGEN,AT.DEP.B.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, MG/M2
83258	HYDROGEN,AT.DEP.B.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UEQ/L
83259	HYDROGEN,AT.DEP.B.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, BULK, TOTAL, MG/L
83260	HYDROGEN,AT.DEP.B.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, BULK, TOTAL, MG/M2
83261	HYDROGEN,AT.DEP.B.	HYDROGEN ION, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UEQ/L
83262	HYDROGEN,C.AT.D.B.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, MG/L
83263	HYDROGEN,C.AT.D.B.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, MG/M2
83264	HYDROGEN,C.AT.D.B.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UEQ/L
83265	HYDROGEN,C.AT.D.B.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, BULK, TOTAL, MG/L
83266	HYDROGEN,C.AT.D.B.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, BULK, TOTAL, MG/M2
83267	HYDROGEN,C.AT.D.B.	HYDROGEN ION, CALCULATED, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UEQ/L
83268	IRON,ATM.DEP.B.D.	IRON, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83269	IRON,ATM.DEP.B.D.	IRON, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83270	IRON,ATM.DEP.B.S.	IRON, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L

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83271	IRON,ATM,DEP.B.S.	IRON, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83272	IRON,ATM,DEP.B.R.	IRON, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/L
83273	IRON,ATM,DEP.B.R.	IRON, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/M2
83274	IRON,ATM,DEP.B.T.	IRON, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83275	IRON,ATM,DEP.B.T.	IRON, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
83276	LEAD,ATM,DEP.B.D.	LEAD, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83277	LEAD,ATM,DEP.B.D.	LEAD, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83278	LEAD,ATM,DEP.B.S.	LEAD, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L
83279	LEAD,ATM,DEP.B.S.	LEAD, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83280	LEAD,ATM,DEP.B.R.	LEAD, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/L
83281	LEAD,ATM,DEP.B.R.	LEAD, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/M2
83282	LEAD,ATM,DEP.B.T.	LEAD, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83283	LEAD,ATM,DEP.B.T.	LEAD, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
83284	MAGNESIUM,AT.D.B.D	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, MG/L
83285	MAGNESIUM,AT.D.B.D	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, MG/M2
83286	MAGNESIUM,AT.D.B.D	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UEQ/L
83287	MAGNESIUM,AT.D.B.S	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, MG/L
83288	MAGNESIUM,AT.D.B.S	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, MG/M2
83289	MAGNESIUM,AT.D.B.S	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UEQ/L
83290	MAGNESIUM,AT.D.B.R	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, MG/L
83291	MAGNESIUM,AT.D.B.R	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, MG/M2
83292	MAGNESIUM,AT.D.B.R	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UEQ/L
83293	MAGNESIUM,AT.D.B.T	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, MG/L
83294	MAGNESIUM,AT.D.B.T	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, MG/M2
83295	MAGNESIUM,AT.D.B.T	MAGNESIUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UEQ/L
83296	MANGANESE,AT.D.B.D	MANGANESE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83297	MANGANESE,AT.D.B.D	MANGANESE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83298	MANGANESE,AT.D.B.S	MANGANESE, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L
83299	MANGANESE,AT.D.B.S	MANGANESE, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83300	MANGANESE,AT.D.B.R	MANGANESE, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/L
83301	MANGANESE,AT.D.B.R	MANGANESE, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/M2
83302	MANGANESE,AT.D.B.T	MANGANESE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83303	MANGANESE,AT.D.B.T	MANGANESE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
83304	MERCURY,ATM,DEP.B.	MERCURY, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83305	MERCURY,ATM,DEP.B.	MERCURY, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83306	MERCURY,ATM,DEP.B.	MERCURY, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L
83307	MERCURY,ATM,DEP.B.	MERCURY, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83308	MERCURY,ATM,DEP.B.	MERCURY, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83309	MERCURY,ATM,DEP.B.	MERCURY, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
83310	MOLYBDENUM,A.D.B.D	MOLYBDENUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83311	MOLYBDENUM,A.D.B.D	MOLYBDENUM, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83312	MOLYBDENUM,A.D.B.S	MOLYBDENUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L
83313	MOLYBDENUM,A.D.B.S	MOLYBDENUM, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83314	MOLYBDENUM,A.D.B.R	MOLYBDENUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/L
83315	MOLYBDENUM,A.D.B.R	MOLYBDENUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/M2
83316	MOLYBDENUM,A.D.B.T	MOLYBDENUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83317	MOLYBDENUM,A.D.B.T	MOLYBDENUM, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
83318	NICKEL,ATM,DEP.B.D	NICKEL, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83319	NICKEL,ATM,DEP.B.D	NICKEL, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83320	NICKEL,ATM,DEP.B.S	NICKEL, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L
83321	NICKEL,ATM,DEP.B.S	NICKEL, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83322	NICKEL,ATM,DEP.B.R	NICKEL, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/L
83323	NICKEL,ATM,DEP.B.R	NICKEL, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/M2
83324	NICKEL,ATM,DEP.B.T	NICKEL, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83325	NICKEL,ATM,DEP.B.T	NICKEL, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
83326	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, MG/L
83327	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, MG/M2
83328	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, UEQ/L
83329	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NH4, MG/L
83330	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NH4, MG/M2
83331	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NH4, UEQ/L

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83332	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, AS N, MG/L
83333	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, AS N, MG/M2
83334	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, AS N, UEQ/L
83335	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, AS NH4, MG/L
83336	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, AS NH4, MG/M2
83337	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, AS NH4, UEQ/L
83338	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, AS N, MG/L
83339	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, AS N, MG/M2
83340	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, AS N, UEQ/L
83341	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, AS NH4, MG/L
83342	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, AS NH4, MG/M2
83343	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, AS NH4, UEQ/L
83344	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN , MG/L
83345	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN , MG/M2
83346	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN , UEQ/L
83347	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN H4, MG/L
83348	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN H4, MG/M2
83349	NITROGEN,AM.A.D.B.	NITROGEN, AMMONIUM ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN H4, UEQ/L
83350	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, MG/L
83351	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, MG/M2
83352	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, UEQ/L
83353	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NO3, MG/L
83354	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NO3, MG/M2
83355	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NO3, UEQ/L
83356	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN , MG/L
83357	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN , MG/M2
83358	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN , UEQ/L
83359	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN O3, MG/L
83360	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN O3, MG/M2
83361	NITROGEN,03,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN O3, UEQ/L
83362	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, MG/L
83363	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, MG/M2
83364	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, UEQ/L
83365	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NO3, MG/L
83366	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NO3, MG/M2
83367	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NO3, UEQ/L
83368	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, AS N, MG/L
83369	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, AS N, MG/M2
83370	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, AS N, UEQ/L
83371	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, AS NO3, MG/L
83372	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, AS NO3, MG/M2
83373	NITROGEN,PL,A.D.B.	NITROGEN, NITRATE NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, AS NO3, UEQ/L
83374	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, MG/L
83375	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, MG/M2
83376	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS N, UEQ/L
83377	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NO2, MG/L
83378	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NO2, MG/M2
83379	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS NO2, UEQ/L
83380	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN , MG/L
83381	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN , MG/M2
83382	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN , UEQ/L

CODE	SHORTNAME	LONGNAME
83383	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN O2, MG/L
83384	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN O2, MG/M2
83385	NITROGEN,02,A.D.B.	NITROGEN, NITRATE, ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASN O2, UEQ/L
83386	PH, CALC.AT.DEP.B.	PH, CALCULATED, AT DEPOSITION, BULK, TOTAL, UNITS
83387	PH,CK.SOL.A.DEP.B.	PH, CHECK SOLUTION ATMOSPHERIC DEPOSITION, BULK, TOTAL, UNITS
83388	PH,FIELD,AT.DEP.B.	PH, FIELD, ATMOSPH DEPOSITION, BULK, TOTAL, UNITS
83389	PH, LAB, AT.DEP.B.	PH, LAB, ATMOSPHER DEPOSITION, BULK, TOTAL, UNITS
83390	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, DISSOLVED AS P, MG/L
83391	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS P, MG/M2
83392	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS P, UEQ/L
83393	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS PO4, MG/L
83394	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS PO4, MG/M2
83395	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, AS PO4, UEQ/L
83396	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASP , MG/L
83397	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASP , MG/M2
83398	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASP , UEQ/L
83399	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASP O4, MG/L
83400	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASP O4, MG/M2
83401	PHOSPHOR.OR.A.D.B.	PHOSPHORUS ORTHO ATMOSPHERIC DEPOSITION, BULK, TOTAL, ASP O4, UEQ/L
83402	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, DISSOLVED, MG/L
83403	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, DISSOLVED, MG/M2
83404	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, DISSOLVED, UEQ/L
83405	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, SUSPENDED, MG/L
83406	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, SUSPENDED, MG/M2
83407	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, SUSPENDED, UEQ/L
83408	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, TOTAL RECOVERABLE, MG/L
83409	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, TOTAL RECOVERABLE, MG/M2
83410	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, TOTAL RECOVERABLE, UEQ/L
83411	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, TOTAL, MG/L
83412	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, TOTAL, MG/M2
83413	POTASSIUM,A.DEP.B.	POTASSIUM, ATMOSPH DEPOSITION, BULK, TOTAL, UEQ/L
83414	SELENIUM,AT.DEP.B.	SELENIUM, ATMOSPHE DEPOSITION, BULK, DISSOLVED, UG/L
83415	SELENIUM,AT.DEP.B.	SELENIUM, ATMOSPHE DEPOSITION, BULK, DISSOLVED, UG/M2
83416	SELENIUM,AT.DEP.B.	SELENIUM, ATMOSPHE DEPOSITION, BULK, SUSPENDED, UG/L
83417	SELENIUM,AT.DEP.B.	SELENIUM, ATMOSPHE DEPOSITION, BULK, SUSPENDED, UG/M2
83418	SELENIUM,AT.DEP.B.	SELENIUM, ATMOSPHE DEPOSITION, BULK, TOTAL, UG/L
83419	SELENIUM,AT.DEP.B.	SELENIUM, ATMOSPHE DEPOSITION, BULK, TOTAL, UG/M2
83420	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, DISSOLVED, MG/L
83421	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, DISSOLVED, MG/M2
83422	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, DISSOLVED, UEQ/L
83423	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, SUSPENDED, MG/L
83424	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, SUSPENDED, MG/M2
83425	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, SUSPENDED, UEQ/L
83426	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, TOTAL RECOVERABLE, MG/L
83427	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, TOTAL RECOVERABLE, MG/M2
83428	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, TOTAL RECOVERABLE, UEQ/L
83429	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, TOTAL, MG/L
83430	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, TOTAL, MG/M2
83431	SODIUM, AT.DEP.B.	SODIUM, ATMOSPHERI DEPOSITION, BULK, TOTAL, UEQ/L
83432	SPEC.COND.C.A.D.B.	SPECIFIC CONDUCTAN CALCULATED, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, US/CM AT 25
83433	SPEC.COND.C.A.D.B.	SPECIFIC CONDUCTAN CALCULATED, ATMOSPHERIC DEPOSITION, BULK, TOTAL, US/CM AT 25 DEG
83434	SPEC.COND.S.A.D.B.	SPECIFIC CONDUCTAN SOLUTION, ATMOSPHERIC DEPOSITION, BULK,T OTAL, US/CM AT 25 DEG C
83435	SPEC.COND.F.A.D.B.	SPECIFIC CONDUCTAN FIELD, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, US/CM AT 25 DEG
83436	SPEC.COND.F.A.D.B.	SPECIFIC CONDUCTAN FIELD, ATMOSPHERIC DEPOSITION, BULK, TOTAL, US/CM AT 25 DEG C
83437	SPEC.COND.L.A.D.B.	SPECIFIC CONDUCTAN LAB, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED,US/CM AT 25 DEG C

CODE	SHORTNAME	LONGNAME
83438	SPEC.COND.L.A.D.B.	SPECIFIC CONDUCTAN LAB, ATMOSPHERIC DEPOSITION, BULK, TOTAL,US/CM AT 25 DEG C
83439	SULFATE,S.A.DEP.B.	SULFATE, ATMOSPER DEPOSITION, BULK, DISSOLVED, AS S, MG/L
83440	SULFATE,S.A.DEP.B.	SULFATE, ATMOSPER DEPOSITION, BULK, DISSOLVED, AS S, MG/M2
83441	SULFATE,S.A.DEP.B.	SULFATE, ATMOSPER DEPOSITION, BULK, DISSOLVED, AS S, UEQ/L
83442	SULFATE,SO4,A.D.B.	SULFATE, ATMOSPER DEPOSITION, BULK, DISSOLVED, AS SO4, MG/L
83443	SULFATE,SO4,A.D.B.	SULFATE, ATMOSPER DEPOSITION, BULK, DISSOLVED, AS SO4, MG/M2
83444	SULFATE,SO4,A.D.B.	SULFATE, ATMOSPER DEPOSITION, BULK, DISSOLVED, AS SO4, UEQ/L
83445	SULFATE,S.A.DEP.B.	SULFATE, ATMOSPER DEPOSITION, BULK, TOTAL, AS S, MG/L
83446	SULFATE,S.A.DEP.B.	SULFATE, ATMOSPER DEPOSITION, BULK, TOTAL, AS S, MG/M2
83447	SULFATE,S.A.DEP.B.	SULFATE, ATMOSPER DEPOSITION, BULK, TOTAL, AS S, UEQ/L
83448	SULFATE,SO4,A.D.B.	SULFATE, ATMOSPER DEPOSITION, BULK, TOTAL, AS SO4, MG/L
83449	SULFATE,SO4,A.D.B.	SULFATE, ATMOSPER DEPOSITION, BULK, TOTAL, AS SO4, MG/M2
83450	SULFATE,SO4,A.D.B.	SULFATE, ATMOSPER DEPOSITION, BULK, TOTAL, AS SO4, UEQ/L
83451	VANADIUM.AT.DEP.B.	VANADIUM, ATMOSPHE DEPOSITION, BULK, DISSOLVED, UG/L
83452	VANADIUM.AT.DEP.B.	VANADIUM, ATMOSPHE DEPOSITION, BULK, DISSOLVED, UG/M2
83453	VANADIUM.AT.DEP.B.	VANADIUM, ATMOSPHE DEPOSITION, BULK, SUSPENDED, UG/L
83454	VANADIUM.AT.DEP.B.	VANADIUM, ATMOSPHE DEPOSITION, BULK, SUSPENDED, UG/M2
83455	VANADIUM.AT.DEP.B.	VANADIUM, ATMOSPHE DEPOSITION, BULK, TOTAL RECOVERABLE, UG/L
83456	VANADIUM.AT.DEP.B.	VANADIUM, ATMOSPHE DEPOSITION, BULK, TOTAL RECOVERABLE, UG/M2
83457	VANADIUM.AT.DEP.B.	VANADIUM, ATMOSPHE DEPOSITION, BULK, TOTAL, UG/L
83458	VANADIUM.AT.DEP.B.	VANADIUM, ATMOSPHE DEPOSITION, BULK, TOTAL, UG/M2
83459	VOLUME, AT.DEP.BUL	VOLUME, ATMOSPHERI DEPOSITION, BULK, L
83460	ZINC, AT.DEP.B.	ZINC, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/L
83461	ZINC, AT.DEP.B.	ZINC, ATMOSPHERIC DEPOSITION, BULK, DISSOLVED, UG/M2
83462	ZINC, AT.DEP.B.	ZINC, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/L
83463	ZINC, AT.DEP.B.	ZINC, ATMOSPHERIC DEPOSITION, BULK, SUSPENDED, UG/M2
83464	ZINC, AT.DEP.B.	ZINC, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/L
83465	ZINC, AT.DEP.B.	ZINC, ATMOSPHERIC DEPOSITION, BULK, TOTAL RECOVERABLE, UG/M2
83466	ZINC, AT.DEP.B.	ZINC, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/L
83467	ZINC, AT.DEP.B.	ZINC, ATMOSPHERIC DEPOSITION, BULK, TOTAL, UG/M2
4060	TOPOGRAPHY CODES	TOPOGRAPHY, PHYSIOGRAPHIC SETTING (CODES)
84138	COLIFORM,TOTAL,P/A	COLIFORM, TOTAL, WATER, WHOLE, TOTAL, MAXIMUM PROBABLE NUMB ER (PRESENT OR ABSENT)
4139	ENT.BACTER AGGLOM.	ENTEROBACTER AGGLOMERANS, WATER, WHOLE, TOTAL, MEMBRANE FIL TER (PRESENT OR ABSENT)
84140	KLEBSIELLA PNEUMON	KLEBSIELLA PNEUMONIAE, WATER, WHOLE, TOTAL, MEMBRANE FILTER (PRESENT OR ABSENT)
4143	WELL PURGE CONTITIO	WELL PURGING CONDITION, CODE
84144	WELL SELECTION CRIT	WELL SELECTION CRITERIA, CODE
84145	PROJECT COMPONENT	PROJECT COMPONENT, CODE
4146	LAND USE,PREDOM.100	LAND USE, PREDOMINENT, WITHIN 100 FEET OF WELL, CODE
84147	LAND USE,PREDOM.25M	LAND USE, PREDOMINENT, WITHIN 0.25 MILE OF WELL, CODE
84148	LAND USE,PRE.FR.25M	LAND USE, PREDOMINENT, FRACTION, WITHIN 0.25 MILE OF WELL,C ODE
4149	LAND USE,CHANGE.25M	LAND USE, CHANGES WITHIN LAST 10 YEARS, WITHIN 0.25 MILE OF WELL, CODE
4164	SAMPLER TYPE CODE	SAMPLER TYPE, CODE
85209	ALGAL GROWTH POTENT.	ALGAL GROWTH POTENTIAL USGS MOD. BOTTLE TEST (MG/L)
85310	DEPTH OF LAKE MAX.	DEPTH OF LAKE MAX. METERS
5311	DEPTH OF LAKE	DEPTH OF LAKE, MEAN METERS
5328	LIGTH DEPTH	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS
85540	AIR	AIR, VOLUME PERCENT OF DISSOLVED GASES
85541	GAS, INERT	GAS, INERT, VOLUME (PERCENT OF DISSOLVED GASES)
85542	GAS, ARGON	GAS, ARGON, VOLUME PERCENT OF DISSOLVED GASES
85543	GAS, BUTANE	GAS, BUTANE, VOLUME PERCENT OF DISSOLVED GASES
85544	GAS, CARBON DIOXIDE	GAS, CARBON DIOXIDE, VOLUME PERCENT OF DISSOLVED GASES
85545	GAS, ETHANE	GAS, ETHANE, VOLUME PERCENT OF DISSOLVED GASES
85546	GAS, HYDROGEN	GAS, HYDROGEN, VOLUME PERCENT OF DISSOLVED GASES
85547	GAS, METHANE	GAS, METHANE, VOLUME PERCENT OF DISSOLVED GASES
85548	GAS, N AND CO	GAS, NITROGEN AND CARBON MONOXIDE, VOLUME PERCENT OF DISSOLVED GASES
85549	GAS, OCTANE	GAS, OCTANE, VOLUME PERCENT OF DISSOLVED GASES
85550	GAS, OXYGEN	GAS, OXYGEN, VOLUME PERCENT OF DISSOLVED GASES
85551	GAS, PENTANE	GAS, PENTANE, VOLUME PERCENT OF DISSOLVED GASES

CODE	SHORTNAME	LONGNAME
85552	GAS, PROPANE	GAS, PROPANE, VOLUME PERCENT OF DISSOLVED GASES
85553	DATE WELL-COMPLETE	DATE, WELL COMPLETION (MONTH/YEAR)(CODE TWO DIGITS FOR MONTH AND LAST TWO DIGITS OF THE YEAR.)
85554	DATE WELL-WORKOVER	DATE, LATEST WELL WORKOVER (MONTH/YEAR)(CODE TWO DIGITS FOR MONTH AND LAST TWO DIGITS OF THE YEAR.)
85555	GAS-WATER RATIO	GAS-WATER RATIO (CUBIC FEET PER BARREL)
85556	ACIDS, OR-PROPIONIC	ACIDS, ORGANIC AS PROPIONIC (MG/L)
85557	TEMPERATURE L-SAT	TEMPERATURE, LOW SATURATION (DEG. C)
85558	TEMPERATURE H-SAT	TEMPERATURE, HIGH SATURATION (DEG. C)
85559	PRESSURE L-SAT	PRESSURE, LOW SATURATION (POUNDS PER SQUARE INCH)
85560	PRESSURE H-SAT	PRESSURE, HIGH SATURATION (POUNDS PER SQUARE INCH)
85583	INTRAGRAVEL WAT.TEMP	TEMPERATURE, INTRAGRAVEL WATER, DEGREES CENTIGRADE
85599	ATM DEP,WET,TOT CM	ATM DEP, WET, TOTAL FOR DEFINED PERIOD, CM
90003	TYPE OF WELL	TYPE OF WELL
90004	RETNO IN STD. UNITS	RETNO IN STANDARD UNITS
90005	ENTRY SEQNO	ENTRY SEQNO
90007	IN-HOUSE WELL CODE	IN-HOUSE WELL CODE
90010	TEMPERATURE, DEG. C	TEMPERATURE, AREA WEIGHTED AVERAGE (DEGREES CELSIUS)
90030	CHEM. UNITS	UNITS FOR CHEMICAL CONSTITUENTS
90034	LIGHT DEPTH TO 1%	LIGHT DEPTH TO 1% OF SURFACE LIGHT, CROSS-SECTION AVERAGE (FEET)
90077	TRANSPARENCY	TRANSPARENCY (SECCHI DISK) CROSS-SECTION AVERAGE (INCHES)
90094	SPECIFIC CONDUCTANCE	SPECIFIC CONDUCTANCE AREA WEIGHTED AVERAGE US/CM AT 25 DEG C
90095	SPECIFIC CONDUCTANCE	SPECIFIC CONDUCTANCE MICROSIEMENS/CM AT 25 DEG C
90198	LIGHT DEPTH TO 10%	LIGHT DEPTH TO 10% OF SURFACE LIGHT, CROSS-SECTION AVERAGE (FEET)
90199	LIGHT DEPTH TO 50%	LIGHT DEPTH TO 50% OF SURFACE LIGHT, CROSS-SECTION AVERAGE (FEET)
90200	LIGHT INTENSITY	LIGHT, INCIDENCE AT 400-700NM INTENSITY, X-SECTION AVERAGE (U-EINSTEINS/SQM/S)
90300	OXYGEN DISSOLVED	OXYGEN DISSOLVED, ARE WEIGHTED AVERAGE (MG/L)
90400	PH, AREA WTD AVE	PH, AREA WEIGHTED AVERAGE (UNITS)
90410	ALKALINITY	ALKALINITY, TITRATION TO PH 4.5, LABORATORY (MG/L AS CACO3)
90430	CARBONATE ALKALINITY	ALKALINITY, CARBONATE INCREMENTAL TITRATION,LAB (MG/L AS CACO3)
90440	BICARBONATE IT-LAB	BICARBONATE, INCREMENTAL TITRATION, LAB (MG/L AS HCO3)
90445	CARBONATE IT-LAB	CARBONATE, INCREMENTAL TITRATION, LAB (MG/L AS CO3)
90830	HYDROXIDE IT-LAB	HYDROXIDE ION,INCREMENTAL TITRATION,LAB (MG/L AS OH)
91000	BROMIDE DISSOLVED	BROMIDE DISSOLVED (UG/L)
91001	CHLORIDE DISSOLVED	CHLORIDE DISSOLVED (UG/L)
91002	FLUORIDE DISSOLVED	FLUORIDE DISSOLVED (UG/L)
91003	NITROGEN-NITRATE DIS	NITROGEN-NITRATE DISSOLVED (UG/L)
910C4	PHOSPHORUS DISS.	PHOSPHORUS ORTHOPHENOL DISSOLVED (UG/L AS P)
91005	SULFATE DISSOLVED	SULFATE DISSOLVED (UG/L)
91006	NITRATE,DISS(T/D)	NITRATE, DISSOLVED (TONS / DAY)
91007	PHOSPHORUS T T/DAY	PHOSPHORUS TOTAL (TONS / DAY)
91008	PHOSPHORUS, DS T/D	PHOSPHORUS DISSOLVED (TONS / DAY)
91009	IRON,TOTAL(T/D)	IRON, TOTAL (TONS / DAY)
91010	IRON,DISSOLVED(T/D)	IRON, DISSOLVED (TONS / DAY)
91011	RESIDUE SETTLEABLE	RESIDUE SETTLEABLE 15 MIN. (ML/L)
91012	NITRITE,DISS. T/D	NITROGEN, NITRITE, DISSOLVED (TONS / DAY)
91013	TOTAL NITROGEN T/DAY	NITROGEN, AMMONIA + ORGANIC, TOTAL (TONS / DAY)
91014	DISSOLVED AMMONIA T/	NITROGEN, AMMONIA, DISSOLVED (TONS / DAY)
91015	TOTAL AMMONIA TONS/D	NITROGEN, AMMONIA, TOTAL (TONS / DAY)
91016	BOD,5D@20C TONS/D	OXYGEN DEMAND, BIOCHEMICAL 5-DAY AT 20 C (TONS / DAY)
91017	SUSPENDED SOLIDS T/	SOLIDS, RESIDUE AT 110 C, SUSPENDED (TONS / DAY)
1018	ALUMINUM SEMI-Q. D.	ALUMINUM SEMI-Q. DISSOLVED (UG/L AS AL)
91019	ANTIMONY SEMI-Q. D.	ANTIMONY SEMI-Q DISSOLVED (UG/L AS SB)
91020	BARIUM SEMI-Q. DIS.	BARIUM SEMI-Q. DISSOLVED (UG/L AS BA)
1021	BERYLLIUM SEMI-Q. D.	BERYLLIUM SEMI-Q. DISSOLVED (UG/L AS BE)
1022	BISMUTH SEMI-Q. DISS	BISMUTH SEMI-Q. DISSOLVED (UG/L AS BI)
91023	BORON SEMI-Q. DISS.	BORON SEMI-Q. DISSOLVED (UG/L AS B)
1024	CADMIUM SEMI-Q. DIS.	CADMIUM SEMI-Q. DISSOLVED (UG/L AS CD)
1025	CALCIUM DEMI-Q. DIS.	CALCIUM DEMI-Q. DISSOLVED (UG/L AS CA)
91026	CHROMIUM SEMI-Q. DIS	CHROMIUM SEMI-Q. DISSOLVED (UG/L AS CR)
91027	COBALT SEMI-Q. DISS.	COBALT SEMI-Q. DISSOLVED (UG/L AS CO)

CODE	SHORTNAME	LONGNAME
91028	COPPER SEMI-Q. DISS.	COPPER SEMI-Q. DISSOLVED (UG/L AS CU)
91029	GALLIUM SEMI-Q. DIS.	GALLIUM SEMI-Q. DISSOLVED (UG/L AS BA)
91030	GERMANIUM SEMI-Q. D.	GERMANIUM SEMI-Q. DISSOLVED (UG/L AS BE)
91031	IRON SEMI-Q. DISS.	IRON SEMI-Q. DISSOLVED (UG/L AS FE)
91032	LEAD SEMI-Q. DISS.	LEAD SEMI-Q. DISSOLVED (UG/L AS PB)
91033	LITHIUM SEMI-Q. DIS.	LITHIUM SEMI-Q. DISSOLVED (UG/L AS LI)
91034	MAGNESIUM SEMI-Q. D.	MAGNESIUM SEMI-Q. DISSOLVED (UG/L AS MG)
91035	MANGANESE SEMI-Q. D.	MANGANESE SEMI-Q. DISSOLVED (UG/L AS MN)
91036	MOLYBDENUM SEMI-Q. D	MOLYBDENUM SEMI-Q. DISSOLVED (UG/L AS MO)
91037	NICKEL SEMI-Q. DISS.	NICKEL SEMI-Q. DISSOLVED (UG/L AS NI)
91038	SILICA SEMI-Q. DISS.	SILICA SEMI-Q. DISSOLVED (UG/L AS SIO2)
91039	SILVER SEMI-Q. DISS.	SILVER SEMI-Q. DISSOLVED (UG/L AS A9)
91040	SODIUM SEMI-Q. DISS.	SODIUM SEMI-Q. DISSOLVED (UG/L AS NA)
91041	STRONTIUM SEMI-Q. D.	STRONTIUM SEMI-Q. DISSOLVED (UG/L AS SR)
91042	TIN SEMI-Q. DISS.	TIN SEMI-Q. DISSOLVED (UG/L AS SN)
91043	TITANIUM SEMI-Q. D.	TITANIUM SEMI-Q. DISSOLVED (UG/L AS TI)
91044	VANADIUM SEMI-Q. D.	VANADIUM SEMI-Q. DISSOLVED (UG/L AS V)
91045	ZINC SEMI-Q. DISS.	ZINC SEMI-Q. DISSOLVED (UG/L AS ZN)
91046	ZICONIUM SEMI-Q. D.	ZIRCONIUM SEMI-Q. DISSOLVED (UG/L AS ZR)
91047	NITROGEN, ORGANIC	NITROGEN, ORGANIC, TOTAL, POUNDS PER DAY
91048	NITROGEN, AMMONIA	NITROGEN, AMMONIA, TOTAL, POUNDS PER DAY
91049	NITROGEN, NO2 + NO3	NITROGEN, NITRITE PLUS NITRATE, POUNDS PER DAY
91050	PHOSPHORUS T #/DAY	PHOSPHORUS TOTAL, POUNDS PER DAY
91051	CALCIUM, DISSOLVED	CALCIUM, DISSOLVED (UG/L AS CA)
91052	MAGNESIUM, DISSOLVED	MAGNESIUM, DISSOLVED (UG/L
91053	SODIUM DISSOLVED	SODIUM, DISSOLVED (UG/L AS NA)
91054	POTASSIUM,DISSOLVED	POTASSIUM, DISSOLVED (UG/L AS K)
91055	RESIDUE SUSPEN 105 C	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED(TONS PER DAY)
91056	RESIDUE,VOL.NONFILT.	RESIDUE, VOLATILE NON- FILTERABLE(TONS/DAY)
91057	NITROGEN,AMMON.+ORG.	NITROGEN, AMMONIA PLUS ORGANIC, TOTAL(POUNDS/DAY)
91058	NITROGEN,TOT LBS/DAY	NITROGEN, TOTAL, LOAD, POUNDS PER DAY
91059	PHOSPHORUS ORTHO #/D	PHOSPHORUS ORTHO WATER, WHOLE, TOTAL, LBS/DAY
91062	TERBUTHYLAZINE SUR	TERBUTHYLAZINE (SURROGATE), WATER, WHOLE, PERCENT RECOVERY
91063	DAZINON SURROGATE	DAZINON D10, SURROGATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, PERCENT
91064	TERBUTHYLAZINE SURN	TERBUTHYLAZINE, SURROGATE, WATER, FILTERED, GLASS FIBER, 0 .7 U, RECOVERABLE, PERCENT
91065	ALPHA D6 HCH SURROG	HCH, ALPHA D6, SURROGATE, WATER, FILTERED, GLASS FIBER, 0. 7 U, RECOVERABLE, PERCENT
99019	DEPTH BELOW LSD M	DEPTH BELOW LAND SURFACE DATUM (WATER LEVEL) METERS
99020	ELEVATION,M AB NGVD	ELEVATION, IN METERS ABOVE NGVD
99060	DISCHARGE	DISCHARGE, IN CUBIC METERS PER SECOND
99061	DISCHARGE,INST M3/S	DISCHARGE, INSTANTANEOUS, IN CUBIC METERS PER SECOND
99065	GAGE HEIGHT METERS	GAGE HEIGHT, METERS ABOVE DATUM
99100	BLANK SOLUTION TYPE	BLANK, TYPE OF SOLUTION, FIXED VALUE CODE
99101	BLANK SOLUTN SOURCE	BLANK, SOURCE OF SOLUTION, FIXED VALUE CODE
99102	BLANK SAMPLE TYPE	BLANK, TYPE OF SAMPLE, FIXED VALUE CODE
99103	REFERENCE MAT SOURCE	REFERENCE MATERIAL, SOURCE, FIXED VALUE CODE
99104	REF MAT CODE NUM	REFERENCE MATERIAL OR SPIKE SOURCE CODE NUMBER
99105	REPLICATE, TYPE	REPLICATE, TYPE, FIXED VALUE CODE
99106	SPIKE, TYPE	SPIKE, TYPE, FIXED VALUE CODE
99107	SPIKE, SOURCE	SPIKE, SOURCE, FIXED VALUE CODE
99108	SPIKE VOLUME	SPIKE VOLUME IN ML
99109	SAMPLE SET START DAT	STARTING DATE FOR A SET OF SAMPLES (YMMDD)
99110	SAMPLE SET END DATE	ENDING DATE OF A SET OF SAMPLES (YMMDD)
99111	QA DATA INDICATOR	QUALITY ASSURANCE DATA TYPE ASSOCIATED WITH SAMPLE
99430	CARBONATE ALKALINITY	ALKALINITY, CARBONATE INCREMENTAL TITRATION, FIELD (MG/L AS CAC03)
99440	BICARBONATE	BICARBONATE, INCREMENTAL TITRATION, FIELD (MG/L AS HCO3)
99445	CARBONATE	CARBONATE, INCREMENTAL TITRATION, FIELD (MG/L AS CO3)
99830	HYDROXIDE	HYDROXIDE, INCREMENTAL TITRATION, FIELD (MG/L AS OH)
99855	SAMP VOL SCHED 1383	SAMPLE VOLUME, SCHEDULE 1383, ML

CODE	SHORTNAME	LONGNAME
99856	SAMP VOL SCHED 2001	SAMPLE VOLUME, SCHEDULE 2001, ML
99857	SAMP VOL SCHED 2010	SAMPLE VOLUME, SCHEDULE 2010, ML
99858	SAMP VOL SCHED 1385	SAMPLE VOLUME, SCHEDULE 1385, ML
99859	SAMP VOL SCHED 0079	SAMPLE VOLUME, SCHEDULE 0079, ML
99860	SAMP VOL SCHED 1379	SAMPLE VOLUME, SCHEDULE 1379, ML
99861	SAMP VOL SCHED 1389	SAMPLE VOLUME, SCHEDULE 1389, ML
99862	SAMP VOL SCHED 1399	SAMPLE VOLUME, SCHEDULE 1399, ML
99863	SAMP VOL SCHED 1321	SAMPLE VOLUME, SCHEDULE 1321, ML
99864	SAMP VOL SCHED 1398	SAMPLE VOLUME, SCHEDULE 1398, ML
99865	SAMP VOL SCHED 1324	SAMPLE VOLUME, SCHEDULE 1324, ML
99866	SAMP VOL SCHED 1608	SAMPLE VOLUME, SCHEDULE 1608, ML
99867	SAMP VOL SCHED 1316	SAMPLE VOLUME, SCHEDULE 1316, ML
99868	SAMP VOL SCHED 1319	SAMPLE VOLUME, SCHEDULE 1319, ML
99869	SAMP VOL SCHED 1359	SAMPLE VOLUME, SCHEDULE 1359, ML
99870	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99871	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99872	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99873	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99874	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99875	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99876	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99877	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99878	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99879	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99880	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99881	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99882	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99883	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99884	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99885	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99886	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99887	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99888	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99889	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99890	SULFATE, D. UNCORCT	SULFATE, WATER, DISSOLVED, UNCORRECTED, MG/L
99891	TOT P, WH, MOD JIRKA	PHOSPHORUS, TOTAL, WATER, WHOLE, MODIFIED JIRKA METHOD, TOTAL, AS P, MG/L
99892	NH3+ORG N MOD JIRKA	NITROGEN, AMMONIA + ORGANIC, WATER, WHOLE, MODIFIED JIRKA METHOD, TOTAL, AS N, MG/L
99893	TOT P DISS MOD JIRKA	PHOSPHORUS, TOTAL, WATER, DISSOLVED, MODIFIED JIRKA METHOD, AS P, MG/L
99894	NH3+ORG N DIS JIRKA	NITROGEN, AMMONIA + ORGANIC, WATER, DISSOLVED, MODIFIED JIRKA METHOD, AS N, MG/L
99895	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99896	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99897	SPECIAL LAB CODE	SPECIAL CODE RESERVED FOR USGS LABORATORY USE ONLY
99898	OCALA LAB ID	OCALA WATER QUALITY SERVICE UNIT INTERNAL LAB ID
99899	JULIAN DATE OCALA	JULIAN DATE FOR SAMPLES LOGGED INTO THE OCALA LABORATORY

**APPENDIX D**  
**CLIMATE SITES**

SITEID	SITENAME	EISTA_ID
	ADAMS DIGGINGS	79
	ALPINE	159
	BETATAKIN	750
	BIG LAKE	758
	BITA HOCHEE TRADING	4317
	BITA HOCHEE TRADING	781
	BLACK MTN MISSION	800
	BLACK ROCK	1018
	BLUE RIDGE R S	8576
	BLUE RIDGE R S	871
	BUFFALO RANCH	1042
	BURRUS RANCH	1101
	CAMERON 1 NNE	1169
	CEDAR RIDGE TRADING	1427
	CHEVELON R S	1574
	CLAY SPRINGS	1760
	COPPER MINE TRADING	2099
	COTTONWOOD INDIAN SC	2197
	COW SPRINGS TRADING	2246
	DILKON	2536
	EL MORRO CAA AP	2780
	EL MORRO NATL MON	2785
	FENCE LAKE	3180
	FLAGSTAFF 4 SW	3009
	FLAGSTAFF PULLIAM AP	3010
	FLAGSTAFF WB CITY	3007
	FORT DEFIANCE	3102
	FORT WINGATE	3305
	GALLUP 5 E	3420
	GALLUP RS	3425
	GALLUP RS	8261
	GALLUP SEN CLARKE FD	3422
	GAMERCO	3431
	GANADO	3303
	GISELA	3448
	GOWER	3626
	GRAY MTN TRADIN POST	3663
	GREER	3683
	GREER LAKES	3688
	HEBER	3958
	HEBER R S	3961
	HOLBROOK	4089
	HOUCK 2 W	4228
	JEDDITO	4438
	KAYENTA	4578
	KAYENTA 21 SSW	4580
	KEAMS CANYON	4586
	KLAGETOH	4683
	KLAGETOH 12 WNW	4686
	LAKESIDE R S	4779
	LEES FERRY	4849
	LEUPP	4872
	LUPTON	5156

SITEID	SITENAME	EISTA_ID
	MAVERICK	5312
	MCGAFFEY 5 SE	5560
	METEOR CRATER	5494
	NAVAJO	5837
	ORAIBI	6124
	PAINTED DESERT NATL	6190
	PETRIFIED FOREST N P	6468
	PIE TOWN	6808
	PINEDALE	6581
	PINON	6604
	PINTA	6606
	QUEMADO LAKE	7191
	QUEMADO LAKE ESTATES	7195
	QUEMADO RS	7180
	RED HILL 12 NW	7297
	RED SANDS TRADE POST	7069
	ROUGH ROCK SCHOOL	7291
	SAINT JOHNS	7435
	SALT LAKE 4 NE	7775
	SANDERS	7488
	SANDERS 11 ESE	7496
	SEBA DALKAI SCHOOL	7671
	SHONGOPOVI	7829
	SHOW LOW	7849
	SHOW LOW AP	7855
	SILVER CREEK RANCH	7921
	SNOWFLAKE	8012
	SNOWFLAKE 15 W	8018
	SPRINGERVILLE	8162
	ST MICHAELS 6 WNW	7440
	SUNSET CRATER NATL M	8329
	TEES TO	8483
	TOHATCHI 1 ESE	8919
	TOHATCHI 6 NE	8921
	TONALEA	8634
	TUBA CITY	8792
	WALLACE R S	9150
	WALNUT CANYON NATL M	9156
	WINDOW ROCK 4 SW	9410
	WINSLOW MUNICIPAL AP	9439
	WUPATKI NATL MONUMNT	9542
	ZUNI	9897

**APPENDIX E**  
**STRMFLW SITES**

SITEID	SITENAME
09383000	COLORADO RIVER AT COMPACT POINT NR LEES FERRY AZ
09383100	COLORADO R ABV LITTLE COLORADO R NR DESERT VIEW
09383200	LEE VALLEY CR AB LEE VALLEY RES NR GREER, AZ.
09383220	LEE VALLEY CREEK TRIBUTARY NEAR GREER, ARIZ.
09383250	LEE VALLEY CR BL LEE VALLEY RES NR GREER, AZ.
09383299	FILLER DITCH AT GREER PLUS LITTLE COLORADO RIVER
09383300	FILLER DITCH AT GREER, ARIZ.
09383400	LITTLE COLORADO RIVER AT GREER, ARIZ.
09383500	NUTRIOSO CR. AB. NELSON RES NR SPRINGERVILLE, AZ.
09383550	NUTRIOSO CR BELOW NELSON RES NR SPRINGERVILLE AZ
09384000	LITTLE COLORADO R ABV LYMAN LAKE NR ST. JOHNS, A
09384500	LYMAN RES. NR. ST. JOHNS, ARIZ.
09384600	LYMAN LAKE SPILLWAY NEAR ST JOHNS, AZ
09385000	LYMAN CANAL BLW. LYMAN RES. NR. ST. JOHNS, ARIZ.
09385500	LCR BEL LYMAN RES NR ST JOHNS ARIZ
09385700	LCR BLW SALADO SP.
09386000	LITTLE COLORADO R A ST JOHNS ARIZ
09386030	LITTLE COLORADO RIVER AB ZION RES NR ST JOHNS
09386050	LARGO CREEK NR MANGAS, N. M.
09386500	LITTLE COLORADO R AB ZUNI R NR HUNT, AZ.
09386900	RIO NUTRIA NEAR RAMAH, NM
09386910	CONSERVATION DRAW AT NUTRIA VILLAGE, NM
09386925	Y-UNIT DRAW AT STATE HWY 602 NR ZUNI, NM
09386950	ZUNI RIVER ABV BLACK ROCK RESERVOIR, NM
09387300	ZUNI RIVER NR NM-AZ STATE LINE
09388000	LITTLE COLORADO RIVER NR HUNT, AZ
09393000	SILVER CR AT SNOWFLAKE, AZ
09393400	COTTONWOOD WASH AT SNOWFLAKE, AZ.
09393500	SILVER CREEK NEAR SNOWFLAKE, ARIZ.
09394000	SILVER CR NR WOODRUFF ARIZ
09394500	LITTLE COLORADO R AT WOODRUFF, ARIZ.
09395350	PUERCO RIVER NR CHURCH ROCK NM
09395381	FOSTER CANYON NR CONTINENTAL DIVIDE, NM
09395390	SIXMILE CANYON NR FORT WINGATE, NM
09395500	PUERCO RIVER AT GALLUP, NM
09395630	PUERCO RIVER MANUELITO, NM
09395650	PUERCO RIVER, NEAR LUPTON, AZ
09395700	WHITEWATER ARR NR CHEECHILGEETHO, N. M.
09395900	BLACK CREEK NR LUPTON, AZ
09395990	BLACK CR BEL WF BLACK CR NR HOUCK, AZ
09396100	PUERCO RIVER NEAR CHAMBERS, ARIZ.
09396500	PUERCO RIVER NEAR ADAMANA, ARIZ
09397000	LITTLE COLORADO RIVER AT HOLBROOK, ARIZ.
09397045	SYNTHETIC DATA (LCR WOODRUFF - LCR HOLBROOK)
09397300	LITTLE COLORADO R NR JOSEPH CITY, AZ.
09397500	CHEVELON FORK BELOW WILDCAT CANYON, NEAR WINSLOW
09398000	CHEVELON CREEK NEAR WINSLOW, ARIZ.
09398300	BLUE RIDGE RESERVOIR NEAR PINE, ARIZ.
09398500	CLEAR CREEK BELOW WILLOW CREEK, N WINSLOW, AZ.
09399000	CLEAR CREEK NEAR WINSLOW, ARIZ.
09399400	JACKS CANYON CR NR WINSLOW, ARIZ.
09399500	SALT CREEK NEAR WINSLOW ARIZ
09400000	LITTLE COLORADO RIVER NEAR WINSLOW ARIZ
09400600	RIO DE FLAG AT FLAGSTAFF, ARIZ.
09401000	LITTLE COLO. RIVER AT GRAND FALLS, ARIZ.

09401200	LITTLE COLORADO R AT CAMERON ARIZ.
09401226	COAL MINE WASH TRIB NEAR KAYENTA, ARIZ
09401229	COAL MINE WASH TRIB NO 2 NEAR KAYENTA, ARIZ.
09401239	COAL MINE WASH NR MOUTH NR SHONTO, AZ
09401250	MOENKOPI WASH NR MOENKOPI, ARIZ.
09401260	MOENKOPI WASH AT MOENKOPI
09401280	MOENKOPI WASH NEAR TUBA ARIZ
09401400	MOENKOPI WASH NR TUBA CITY, ARIZ.
09401500	MOENKOPI WASH NEAR CAMERON, ARIZ.
09402000	LITTLE COLORADO RIVER NEAR CAMERON, ARIZ.
342108109221201	LYMAN LAKE EVAPORATION PAN
342158109225901	A-11-28 09ACC2
342159109225901	A-11-28 09ACC1
345322108520901	08N.19W.29.331 ZUNI ZS-1
345345108552001	08N.20W.26.131 ZUNI ZS-100
350430108500401	10N.19W.27.112 ZUNI F-5
350519108473901	10N.19W.24.122 BLACK ROCK 3
350800111400000	FLAGSTAFF, ARIZONA W03103
360055110304001	04 075-00.61X16.21 BMOB 5
360618111120401	09401260
360636111091901	09401250
361225110240701	04 074-08.95X02.95 BMOB 6
362936109564101	08 054-10.96X00.63
363143110355001	02 040-05.38X15.27 BMOB 4
363152110242801	
363154110240201	09401226
363154110240203	WATERFALL RAINGAGE NO. 1
363850110100801	08 038-09.40X07.08 BMOB 2
364338110154601	08 039-00.70X01.57 BMOB 3
365638109423601	09379200

## **APPENDIX F**

### **FLD/VAR EXAMPLE FILES**



## APPENDIX F

### FLD/VAR EXAMPLE FILES

The FLD and VAR ASCII files are used to import comma-quote delimited ASCII files into HBase. There is a FLD file for every database file in HBase. The FLD files contain all the fieldnames in a particular database with onefieldname per line.

The VAR files are created by editing the FLD file with an ASCII editor, removing the fieldnames not being imported, and saving the file with the VAR extension.

For example: Say we wanted to import a comma-quote delimited ASCII file into the WTRQUAL.DB file. The ASCII file contains the SITEID, SITENAME, DATE, TIME, CODE, VALUESTR, LABNAME and SRCAGENCY data. All fieldnames of the data being imported must be included in the VAR file and in the same order as the ASCII file. The key fields (SITEID, SITENAME, DATE, TIME, and CODE) are mandatory. The structures of the FLD and VAR files for the WTRQUAL.DB are as follows:

<b>WTRQUAL.FLD</b>	<b>COMMENTS</b>
SITEID	SRCAGENCY
SITENAME	
DATE	<b>WTRQUAL.VAR</b>
TIME	SITEID
CODE	SITENAME
VALUESTR	DATE
VALUENUM	TIME
VALUEUNIT	CODE
RPTLMTSTR	VALUESTR
RPTLMTUNIT	LABNAME
LABNAME	SRCAGENCY
ANALMETHOD	
SAMPLEDBY	
QLTYASSRNC	

## **APPENDIX G**

## **SOURCE CODES**

```

* Program: cqimport.prg (comma/quote delimited import)
* Date: 5/31/95
* Application: dBASE IV for DOS

* Program Description:
*   cqimport.prg imports a comma/quote delimited ASCII file into any of the
*   Hbase database files. If the site data is not in the sitefile.dbf a
*   ASCII file (sitefile.imp) is created with the key fields not imported. A
*   .fld file should be created by making a copy of the .var file and then
*   modifying the .fld file to reflect the fields being imported. If the
*   import file duplicates the data in the destination file, the import data
*   replaces the pre-existing data.

* Main:
*   Select destination for the comma-quote delimited file
DEFINE POPUP DBNames FROM BAR()+1,65 TO 22,78;
  PROMPT FILES LIKE *.dbf;
  MESSAGE "Select destination database file"

ON SELECTION POPUP DBNames DO MainProcedure
ACTIVATE POPUP DBNames

* Functions & Procedures:
PROCEDURE MainProcedure
*   Erase old sitefile.imp file
ERASE "sitefile.imp"

  m_pathAndFile = PROMPT()
  m_rat = RAT("\\", m_pathAndFile)
  m_len = LEN(m_pathAndFile)
  m_fileNameWO = SUBSTR(m_pathAndFile, m_rat + 1, m_len - m_rat - 4)
  m_displayName = IdDisplayName(m_fileNameWO)
  USE (m_pathAndFile) IN 1 ORDER main  && Destination database file
  m_impArraySize = FLDCOUNT()
  DECLARE ImpArray[m_impArraySize]
*   Select comma-quote delimited file
  DO InputFile
  DO WaitMssg WITH "Importing"

*   Read .var file to determine which fields to import
  m_varFileHandle = FOPEN(m_fileNameWO + ".var", "R")
  m_fieldName = ""
  m_fieldList = ""
  DO WHILE .NOT. FEOF(m_varFileHandle)
    m_fieldName = FGETS(m_varFileHandle)
    m_fieldName = m_fieldName + ","
    m_fieldList = m_fieldList + m_fieldName
  ENDDO
*   Subtract last comma off of m_fieldList
  m_fieldList = SUBSTR(m_fieldList, 1, LEN(m_fieldList) - 1)
  m_varFileHandle = FCLOSE(m_varFileHandle)

*   Create import.dbf from the fields in .var file
  COPY STRUCTURE TO import FIELDS &m_fieldList
  USE import IN 2
  SELECT 2  && Import database file
  APPEND FROM (InputFileName) TYPE DELIMITED
  DO InitArrayFieldSizes WITH "import"

*   Determine number of key fields in destination database file
  SELECT 1  && Destination database file
  dbPtr = dbPointer(m_displayName, 1)
  m_numIndexFlds = 0
  LineNo = 1
  DO WHILE (LineType(dbPtr,LineNo) <> "NORMAL")
    IF (LineType(dbPtr,LineNo) = "KEY")
      m_numIndexFlds = m_numIndexFlds + 1
    ENDIF
    LineNo = LineNo + 1
  ENDDO

*   Open Sitefile.db for non-Sitefile databases

```

```

IF m_fileNameWO <> "SITEFILE"
  USE c:\hbase\sitefile IN 3 INDEX main

  m_impSitefileHandle = FCREATE("sitefile.imp", "A")
ENDIF

m_impCreated = .F.

SELECT 2  && Import database file
SCAN
*
  Create indexFlds variable out of key fields
  DO ArrayReset WITH "ImpArray", m_impArraySize
  COPY TO ARRAY ImpArray FIELDS &m_fieldList RECORD RECN0()
  counter = 1
  indexFlds = ""
  DO WHILE counter <= m_numIndexFlds
    Determine indexFld type and build indexFlds variable
    IF LEFT(FldType(dbPtr,counter),1) = "N"
      indexFlds = indexFlds + STR(ImpArray[counter])
    ELSE
      indexFlds = indexFlds + ImpArray[counter]
    ENDIF
    counter = counter + 1
  ENDDO

*
  Check indexes of non-Sitefile databases for values in Sitefile.
  IF m_fileNameWO <> "SITEFILE"
    SELECT 3  && Sitefile database
    SEEK indexFlds
  *
    If not found, display message and write index fields to sitefile.imp.
    IF .NOT. FOUND()
      DO Mssg WITH "Record not in Site database", 24
      SELECT 2  && Import database file
      counter = 1
      m_keyFields = ""
      m_impCreated = .T.
      DO WHILE counter <= m_numIndexFlds
        Place quotes around character fields.
        IF LEFT(FldType(dbPtr,counter),1) = "A"
          mFieldValue = CHR(34) + RTRIM(ImpArray[counter]) + CHR(34) + ","
        ELSE
          m_len = FldTypSz(dbPtr,counter)
          m_dec = FldTypDec(dbPtr,counter)
          mFieldValue = LTRIM(STR(ImpArray[counter], m_len, m_dec)) + ","
        ENDIF

        m_keyFields = m_keyFields + mFieldValue
        counter = counter + 1
      ENDDO
      m_keyFields = SUBSTR(m_keyFields, 1, LEN(m_keyFields) - 1)
      m_putsKeyFields = FPUTS(m_impSitefileHandle, m_keyFields)
      DO ClrMssg
    ENDIF
  ENDIF

*
  Search for index fields in destination file and append or replace.
  IF m_impCreated <> .T.
    SELECT 1  && Destination database file
    SEEK indexFlds
    IF .NOT. FOUND()
      APPEND BLANK
      REPLACE FROM ARRAY ImpArray FIELDS &m_fieldList REINDEX
    ELSE
      REPLACE FROM ARRAY ImpArray FIELDS &m_fieldList REINDEX
    ENDIF
    SELECT 2  && Import database file
  ENDIF
ENDSCAN

CLOSE DATABASES

IF m_fileNameWO <> "SITEFILE"

```

```
m_impSitefileHandle = FCLOSE(m_impSitefileHandle)
ENDIF

ERASE import.dbf

DO ClrWait
IF (m_impCreated)
  DO Mssg WITH "Sitefile.imp created; Press any key", 24
    AnyKey = INKEY(0)
    DO ClrMssg
  ENDIF

DEACTIVATE POPUP

DO AnyKey
RETURN
```

```

* Program: dvimport.prg (Daily values import)
* Date: 5/26/95
* Application: dBASE IV for DOS

* Program Description:
*   dvimport.prg imports a EarthInfo USGS Daily Values, exported Card (DAILY)
*   format file, into the HBase. The program breaks up the relevant sitefile
*   strmflw, wtrlvl and wtrqul data into the separate HBase database files.
*   Records that duplicate pre-existing data over write pre-existing data.

* Initialization:
  PRIVATE m_card, m_cardType, m_FileHndl
  PUBLIC m_database, m_prmtrCd, m_statCode, sttCdType

* Main:
  CLOSE DATABASES

  USE c:\hbase\sitefile
  SitRaySize = FLDCOUNT()
  DECLARE SitArray[SitRaySize]  && Array for the sitefile fields

  USE c:\hbase\strmflw
  StrRaySize = FLDCOUNT()
  DECLARE StrArray[StrRaySize]  && Array for the strmflw fields

  USE c:\hbase\wtrlvl
  LvlRaySize = FLDCOUNT()
  DECLARE LvlArray[LvlRaySize]  && Array for the wtrlvl fields

  USE c:\hbase\wtrqul
  QuaRaySize = FLDCOUNT()
  DECLARE QuaArray[QuaRaySize]  && Array for the wtrqul fields

  CLOSE DATABASES

  DECLARE DaysArray[31]

  DO InputFile
  DO WaitMssg WITH "Importing"
  USE sitefile ORDER main IN 2
  USE strmflw ORDER main IN 3
  USE wtrlvl ORDER main IN 4
  USE wtrqul ORDER main IN 5
  USE plist ORDER main IN 6  && Appendix B - Parameter List
  USE slist ORDER main IN 7  && Appendix C - Statistic List

  m_FileHndl = FOPEN((InputFileName), "r")

* Process input file
  DO WHILE .NOT. FEOF(m_FileHndl)
    m_card = FGETS(m_FileHndl)

* Determine Card type and process
  m_cardType = SUBSTR(m_card, 1, 1)
  DO CASE
    CASE m_cardType = "Z"
      DO ZCard
    CASE m_cardType = "H"
      DO HCard
    CASE m_cardType = "N"
      DO NCard
    CASE m_cardType = "2"
      DO 2Card
    CASE m_cardType = "3"
      DO 3Card
  ENDCASE
  ENDDO

  DO ClrWait
  DO AnyKey
  CLOSE DATABASES

```

```

m_FileHndl = FCLOSE(m_FileHndl)

* Functions & Procedures:
PROCEDURE ZCard    && Agency Identification Card
*   Reset SitArray values
DO ArrayReset WITH "SitArray", SitRaySize
DO ArrayReset WITH "StrArray", StrRaySize
DO ArrayReset WITH "LvlArray", LvlRaySize
DO ArrayReset WITH "QuaArray", QuaRaySize

SitArray[3] = AddIndxSpc("SrcAgency", SUBSTR(m_card, 33, 5))  && Agency Code
RETURN

PROCEDURE HCard    && Station Header Card
  SitArray[1] = AddIndxSpc("SiteID", SUBSTR(m_card, 2, 15))  && Station ID
  SitArray[4] = SPACE(4)
  SitArray[5] = SUBSTR(m_card, 17, 6)  && Latitude
  SitArray[6] = SUBSTR(m_card, 23, 7)  && Longitude
  SitArray[11] = SUBSTR(m_card, 41, 8)  && Hydro Unit Code
  SitArray[12] = SUBSTR(m_card, 32, 2) + SUBSTR(m_card, 36, 3)  && FIPS Code + County Code
  SitArray[15] = IdSiteCode(SUBSTR(m_card, 39, 2))  && Site Code
  SitArray[20] = VAL(SUBSTR(m_card, 49, 7))  && Drainage Area
  SitArray[21] = VAL(SUBSTR(m_card, 56, 7))  && Contributing Area
  SitArray[24] = VAL(SUBSTR(m_card, 63, 8))  && Gage Datum
  SitArray[30] = VAL(SUBSTR(m_card, 71, 9))  && Well Depth
RETURN

PROCEDURE NCard    && Station Name Card
  SitArray[2] = AddIndxSpc("SiteName", SUBSTR(m_card, 17, 48))  && Station Name
  SitArray[28] = SUBSTR(m_card, 65, 8)  && Geo Unit Code
  SitArray[27] = IdAquiferType(SUBSTR(m_card, 73, 1))  && Aquifer Type

  DO WriteSitefile
RETURN

PROCEDURE 2Card    && Code Card
  m_prmtrCd = SUBSTR(m_card, 29, 5)  && Parameter Code
  m_statCode = SUBSTR(m_card, 34, 5)  && Statistic Code (See Appendix C - Contains time value and comment
values)

* Determine parameter list group by searching for m_prmtrCd in PLIST.DBF
SELECT 6  && PLIST.DBF
indexFld = ZeroAdder(m_prmtrCd, 5)
SEEK indexFld
IF FOUND()
  DO CASE
    CASE database = "STRMFLW"
      m_database = "STRMFLW"
    CASE database = "WTRLVL"
      m_database = "WTRLVL"
    CASE database = "WTRQUAL"
      m_database = "WTRQUAL"
  ENDCASE
ENDIF
SELECT 1  && InputFileName
RETURN

PROCEDURE 3Card    && Data Card
  m_year = SUBSTR(m_card, 17, 4)
  m_month = SUBSTR(m_card, 21, 2)
  m_prdOfDys = SUBSTR(m_card, 23, 2)
  m_8DlyVls = SUBSTR(m_card, 25, 56)
  DO IdDateValues WITH m_8DlyVls, m_prdOfDys
RETURN

PROCEDURE IdDateValues
  PARAMETERS m_8DlyVls, m_prdOfDys

  DO CASE
    CASE VAL(m_prdOfDys) = 1
      m_dysAindx = 1
    CASE VAL(m_prdOfDys) = 2

```

```

    m_dysAIndx = 9
    CASE VAL(m_prdOfDys) = 3
        m_dysAIndx = 17
    CASE VAL(m_prdOfDys) = 4
        m_dysAIndx = 25
    ENDCASE
    m_dlyVLctr = 1
    DO WHILE m_dlyVLctr <= 8
        DaysArray[m_dysAIndx] = SUBSTR(m_8DlyVLs, m_dlyVLctr * 7 - 6, 7)
        m_dtVL = m_year + ZeroAdder(m_month, 2) + ZeroAdder(STR(m_dysAIndx), 2)
        DO WriteRecord WITH m_database
        m_dysAIndx = m_dysAIndx + 1
        IF m_dysAIndx = 32
            m_dysAIndx = 1
        ENDIF
        m_dlyVLctr = m_dlyVLctr + 1
    ENDDO
RETURN

FUNCTION StatCode
PARAMETERS stttcCode

    SELECT 7
    SEEK VAL(stttcCode)
    IF FOUND()
        IF AT("INST", STATISTIC) <> 0
            sttCdType = "TIME"
            value = RemoveAlpha(SUBSTR(STATISTIC,LEN(STATISTIC) + 1 - 5, 5))
        ELSE
            sttCdType = "COMMENTS"
            value = DSCRPTN
        ENDIF
    ENDIF
RETURN value

PROCEDURE WriteRecord
PARAMETERS database

    DO CASE
        CASE database = "STRMFLW"
            IF daysArray[m_dysAIndx] <> SPACE(7)
                StrArray[1] = SitArray[1]
                StrArray[2] = SitArray[2]
                StrArray[3] = m_dtVL
                StrArray[4] = SitArray[3]
                StrArray[5] = DaysArray[m_dysAIndx]
                DO WriteDBFRec WITH database
            ENDIF
        CASE database = "WTRLVL"
            IF daysArray[m_dysAIndx] <> SPACE(7)
                LvlArray[1] = SitArray[1]
                LvlArray[2] = SitArray[2]
                LvlArray[3] = SitArray[3]
                LvlArray[4] = SPACE(4)
                LvlArray[5] = m_dtVL
                m_sttCdVL = IIF(.NOT. ISBLANK(m_statCode), StatCode(m_statCode), "")
                DO CASE
                    CASE sttCdType = "TIME"
                        LvlArray[6] = m_sttCdVL
                    CASE sttCdType = "COMMENTS"
                        LvlArray[11] = m_sttCdVL
                ENDCASE
                LvlArray[7] = DaysArray[m_dysAIndx]
                LvlArray[8] = "FEET"
                LvlArray[9] = SPACE(100)
                LvlArray[10] = SPACE(40)
                DO WriteDBFRec WITH database
            ENDIF
        CASE database = "WTRQUAL"
            IF daysArray[m_dysAIndx] <> SPACE(7)
                QuaArray[1] = SitArray[1]
                QuaArray[2] = SitArray[2]

```

```
QuaArray[3] = m_dtVl
m_sttCdVl = StatCode(m_statCode)
DO CASE
    CASE sttCdType = "TIME"
        QuaArray[4] = m_sttCdVl
    CASE sttCdType = "COMMENTS"
        QuaArray[14] = m_sttCdVl
ENDCASE
QuaArray[5] = ZeroAdder(m_prmtrCd, 5)

QuaArray[6] = SPACE(10)
QuaArray[7] = DaysArray[m_dysAIndx]
*QuaArray[8] = && valueunit; Units are included in the CODES.DBF
*QuaArray[9] = && rptlmtstr
*QuaArray[10] = && rptlmtunit
*QuaArray[11] = && labname
*QuaArray[12] = && analmethod
QuaArray[13] = SPACE(25)  && SampledBy
*QuaArray[14] = && QltyAssrnc
*QuaArray[15] = && Comments
QuaArray[16] = SitArray[3]  && SrcAgency
DO WriteDBFRec WITH database
ENDIF
ENDCASE

SELECT 1  && InputFileName
RETURN
```

```
* Program: funspros.prg (functions and procedures)
* Date: 9/23/94
* Application: dBASE IV for DOS

* Description:
*   This program is a function and procedure library. The first set contains
*   program messages. The second set contains import components. And the
*   third set contains Mike Thurgood's operations.
*****PROCEDURE AnyKey
* Description:
*   This procedure display a "Press any key to continue..." message and
*   waits for user input.

* Variables:
*   AnyKey - Accepts users keypress.
*   CurrentWindow - Name of the currently active window.
*   TempScreen - Current display image.

* Main:
  CurrentWindow = WINDOW()
  SAVE SCREEN TO TempScreen
  ACTIVATE SCREEN
  @ 24,52 SAY "Press any key to continue..." COLOR W+/R
  AnyKey = INKEY(0)
  RESTORE SCREEN FROM TempScreen
  RELEASE SCREEN TempScreen
  IF .NOT. ISBLANK(CurrentWindow)
    ACTIVATE WINDOW &CurrentWindow
  ENDIF
RETURN

PROCEDURE Mssg
  PARAMETERS Mssg, Line
* Description:
*   This procedure takes a user defined message and line number then
*   displays it on the screen with color attributes.

* Variables:
*   CurrentWindow - Name of the currently active window.
*   Line - Line number to display message.
*   Mssg - User defined message passed to the procedure to display.
*   MssgLength - Length of the user defined message.
*   XLoc - Location on the X axis for the message to display.
*   TempScreen - Current display image.

* Initialization:
  PUBLIC XLoc, YLoc
  MssgLength = 0
  XLoc = 0
  YLoc = Line

* Main:
  CurrentWindow = WINDOW()
  SAVE SCREEN TO TempScreen
  ACTIVATE SCREEN
  Mssg = " " + Mssg + " "
  MssgLength = LEN(Mssg)
  XLoc = 80 - MssgLength
  @ YLoc,XLoc SAY Mssg COLOR W+/R
  IF .NOT. ISBLANK(CurrentWindow)
    ACTIVATE WINDOW &CurrentWindow
  ENDIF
RETURN

PROCEDURE ClrMssg
* Description:
*   This procedure erases the area use in the MssgLine procedure.

* Variables:
*   TempScreen - Current display image.
```

```

* Main:
  CurrentWindow = WINDOW()
  SAVE SCREEN TO TempScreen
  ACTIVATE SCREEN
  @ YLoc,XLoc CLEAR TO YLoc,79
  IF .NOT. ISBLANK(CurrentWindow)
    ACTIVATE WINDOW &CurrentWindow
  ENDIF
RETURN

PROCEDURE WaitMssg
  PARAMETERS Mssg
* Description:
*   This procedure takes a user defined message and displays it on the
*   bottom right corner or the screen with color attributes and flashing
*   dots.

* Variables:
*   Dots - Ellipses.
*   Mssg - User defined message passed to procedure to display.
*   MssgLength - Message length.
*   Xloc - Location on the X axis for the message to display.
*   WaitClrLoc - Location on the X axis for clearing the message, used in
*     ClrWait procedure.

* Initialization:
  PUBLIC XLoc
  Dots = "... "
  MssgLength = 0
  Xloc = 0

* Main:
  SET CURSOR OFF
  CurrentWindow = WINDOW()
  SAVE SCREEN TO TempScreen
  ACTIVATE SCREEN
  Mssg = " " + Mssg
  MssgLength = LEN(Mssg)
  XLoc = 80 - 4 - MssgLength
  WaitClrLoc = Xloc
  @ 24,XLoc CLEAR TO 24,79
  @ 24,XLoc SAY Mssg COLOR W+/R
  @ 24,76 SAY Dots COLOR W+/R*
  IF .NOT. ISBLANK(CurrentWindow)
    ACTIVATE WINDOW &CurrentWindow
  ENDIF
RETURN

PROCEDURE ClrWait
* Description:
*   This procedure erases the area use in the WaitMssg procedure.

* Variables:
*   TempScreen - Current display image.

* Main:
  CurrentWindow = WINDOW()
  SAVE SCREEN TO TempScreen
  ACTIVATE SCREEN
  @ 24,XLoc CLEAR TO 24,79
  IF .NOT. ISBLANK(CurrentWindow)
    ACTIVATE WINDOW &CurrentWindow
  ENDIF
  SET CURSOR ON
RETURN
*****
FUNCTION AddIdxSpc
  PARAMETERS srchFldNm, IndxWOSpcs

  found = .F.
  counter = 1
  DO WHILE .NOT. found .AND. counter <= FLDDEFSIZE

```

```

    IF (SUBSTR(FlDef[counter], 1, 1) = "K")
        IF (RTRIM(SUBSTR(FlDef[counter], 27, 10)) = (srchFldNm))
            IF (SUBSTR(FlDef[counter], 40, 1) = "A")
                fldLength = VAL(RTRIM(SUBSTR(FlDef[counter], 41, 10)))
                varLength = LEN(IdxWOSpcs)
                sps = fldLength - varLength
                found = .T.
            ELSE
                sps = 0
                found = .T.
            ENDIF
        ENDIF
        counter = counter + 1
    ENDDO
    RETURN IndxWOSpcs + SPACE(Sps)

PROCEDURE ArrayReset
    PARAMETERS arrayName, arraySize

    counter = 1
    DO WHILE counter <= arraySize
        &arrayName[counter] = ""
        counter = counter + 1
    ENDDO
    RETURN

FUNCTION ArrayValue
    PARAMETERS crrntDbf, counter

    * Identify array to use with current database file
    DO CASE
        CASE crrntDbf = "SITEFILE"
            RayValStr = SitArray[counter]
        CASE crrntDbf = "STRMFLW"
            RayValStr = StrArray[counter]
        CASE crrntDbf = "WTRLVL"
            RayValStr = LvlArray[counter]
        CASE crrntDbf = "WTRQUAL"
            RayValStr = QuaArray[counter]
    ENDCASE
    RETURN RayValStr

FUNCTION BldNdxFlds
    * Determine number of index fields in current database file
    m_length = LEN(DBF())
    m_at = AT(":", DBF())
    crrntDbf = SUBSTR(DBF(), m_at + 1, m_length - 6)
    dbPtr = dbPointer(IdDisplayName(crrntDbf), 1)
    lineNo = 1
    m_numIndexFlds = 0
    DO WHILE (LineType(dbPtr, lineNo) <> "NORMAL")
        IF (LineType(dbPtr, lineNo) = "KEY")
            m_numIndexFlds = m_numIndexFlds + 1
        ENDIF
        lineNo = lineNo + 1
    ENDDO

    * Build index expression (indexFlds) from the array of the database
    counter = 1
    dbPtr = dbPointer(IdDisplayName(crrntDbf), 1)
    lineNo = 1  && Test line
    indexFlds = ""
    DO WHILE counter <= m_numIndexFlds
        IF ISBLANK(ArrayValue(crrntDbf, counter))
            indexFlds = indexFlds + SPACE(FldTypSz(dbPtr, lineNo))
        ELSE
            indexFlds = indexFlds + ArrayValue(crrntDbf, counter)
        ENDIF
        counter = counter + 1
        lineNo = lineNo + 1
    ENDDO

```

```

RETURN indexFds

FUNCTION IdAquiferType
PARAMETERS AqfrType

DO CASE
CASE AqfrType = "U"
  AqfrTypStr = "UNCONFINED SINGLE AQUIFER"
CASE AqfrType = "N"
  AqfrTypStr = "UNCONFINDED MULTIPLE AQUIFER"
CASE AqfrType = "C"
  AqfrTypStr = "CONFINED SINGLE AQUIFER"
CASE AqfrType = "M"
  AqfrTypStr = "CONFINED MULTIPLE AQUIFER"
CASE AqfrType = "X"
  AqfrTypStr = "MIXED MULTIPLE AQUIFERS"
CASE AqfrType = " "
  AqfrTypStr = ""
ENDCASE
RETURN AqfrTypStr

FUNCTION IdDisplayName
PARAMETERS fileName

DO CASE
CASE fileName = "SITEFILE"
  displayName = "Site"
CASE fileName = "CONSTRUC"
  displayName = "Construction"
CASE fileName = "HOLE"
  displayName = "Hole"
CASE fileName = "CASING"
  displayName = "Casing"
CASE fileName = "OPENINGS"
  displayName = "Openings"
CASE fileName = "MSRNGPT"
  displayName = "Measuring Point"
CASE fileName = "SPRING"
  displayName = "Spring"
CASE fileName = "WTRLVL"
  displayName = "Water Level"
CASE fileName = "DISCHARG"
  displayName = "Discharge"
CASE fileName = "STRMFLW"
  displayName = "Streamflow"
CASE fileName = "CLIMATE"
  displayName = "Climate"
CASE fileName = "WTRQUAL"
  displayName = "Water Quality"
CASE fileName = "GEORECRD"
  displayName = "Geohydrologic Units"
CASE fileName = "GEOPHYSI"
  displayName = "Geophysical Logs"
CASE fileName = "HYDRREC"
  displayName = "Hydraulics"
CASE fileName = "COEFREC"
  displayName = "Coefficients"
CASE fileName = "CODES"
  displayName = "Codes"
ENDCASE
RETURN displayName

FUNCTION IdSmplTyp
PARAMETERS SmplTyp

DO CASE
CASE SmplTyp = "1"
  TypStr = "SPIKE"
CASE SmplTyp = "3"
  TypStr = "REFERENCE"
CASE SmplTyp = "5"
  TypStr = "DUPLICATE"

```

```

        CASE SmplTyp = "7"
            TypStr = "REPLICATE"
        CASE SmplTyp = "9"
            TypStr = "REGULAR"
        CASE SmplTyp = "A"
            TypStr = "NOT DETERMINED"
        CASE SmplTyp = "H"
            TypStr = "COMPOSITE (TIME)"
    ENDCASE
RETURN TypStr

FUNCTION IdSiteCode
PARAMETERS SiteCode

DO CASE
CASE SiteCode = "SW"
    SiteStr = "STREAM"
CASE SiteCode = "SP"
    SiteStr = "SPRING"
CASE SiteCode = "ES"
    SiteStr = "ESTUARY"
CASE SiteCode = "GW"
    SiteStr = "WELL"
CASE SiteCode = "LK"
    SiteStr = "LAKE OR RESERVOIR"
CASE SiteCode = "ME"
    SiteStr = "METEOROLOGICAL"
CASE SiteCode = "SS"
    SiteStr = "SPECIFIC SOURCE"
ENDCASE
RETURN SiteStr

PROCEDURE InitArrayFieldSizes
PARAMETERS databaseName
PRIVATE counter, m_ArrayName, m_FieldName, m_FileName, m_Path, m_USE

* m_Path = "c:\hbase\
m_Path = "g:\work49\2125\hbase\
DO CASE
CASE databaseName = "sitefile"
    m_USE = m_Path + databaseName
    m_ArrayName = "SitArray"
CASE databaseName = "climate"
    m_USE = m_Path + databaseName
    m_ArrayName = "CliArray"
CASE databaseName = "strmflw"
    m_USE = m_Path + databaseName
    m_ArrayName = "StrArray"
CASE databaseName = "wtrlvl"
    m_USE = m_Path + databaseName
    m_ArrayName = "LvlArray"
CASE databaseName = "wtrqual"
    m_USE = m_Path + databaseName
    m_ArrayName = "QuaArray"
CASE databaseName = "import"
    m_USE = m_Path + databaseName
    m_ArrayName = "ImpArray"
ENDCASE

counter = 1
DO WHILE counter <= FLDCOUNT()
    m_FieldName = FIELD(counter)
    IF TYPE(m_FieldName) = "C"
        &m_ArrayName[counter] = SPACE(LEN(&m_FieldName))
    ENDIF
    counter = counter + 1
ENDDO
RETURN

PROCEDURE InputFile
* Allow user input of external filename
InputFileName = SPACE(50)

```

```

@24,0 CLEAR TO 24,79
@24,13 SAY "Please enter path and filename (including extension)" COLOR W+/B
DEFINE WINDOW InNameWin FROM 12,21 TO 17,55 NONE COLOR W+/B, W+/N
ACTIVATE WINDOW InNameWin
SET CURSOR ON
@0,1 TO 5,33 DOUBLE COLOR W+/B
@0,9 SAY " Import Filename " COLOR W+/B
@2,4 GET InputFileName FUNCTION "S27"
@4,4 SAY "Please enter import filename"
READ
SET CURSOR OFF
* Check if input filename exists
IF InputFileName <> ""
  IF FILE(InputFileName) = .F.
    DO Mssg WITH "File not found", 24
    AnyKey = INKEY(0)
    DO ClrMssg
    DEACTIVATE WINDOW InNameWin
    DO InputFile
  ENDIF
ENDIF
DEACTIVATE WINDOW InNameWin
@24,0 CLEAR TO 24,79
RETURN

FUNCTION OneToTwo
PARAMETERS numDayCounter

strDayCounter = LTRIM(STR(numDayCounter))
IF LEN(strDayCounter) = 1
  twoDigit = "0" + strDayCounter
ELSE
  twoDigit = strDayCounter
ENDIF
RETURN twoDigit

PROCEDURE OutputFile
* Allow user input of external filename
OutputName = SPACE(50)
@24,0 CLEAR TO 24,79
@24,13 SAY "Please enter path and filename (excluding extension)" COLOR W+/B
DEFINE WINDOW OutNameWin FROM 9,21 TO 14,55 NONE COLOR W+/B, W+/N
ACTIVATE WINDOW OutNameWin
SET CURSOR ON
@0,1 TO 5,33 DOUBLE COLOR W+/B
@0,9 SAY " Output Filename " COLOR W+/B
@2,4 GET OutputName FUNCTION "S27"
@4,4 SAY "Please enter output filename"
READ
SET CURSOR OFF
* Check if export filename exists
IF OutputName <> ""
  IF FILE(OutputName) = .T.
    DO Mssg WITH "File already exists", 24
    AnyKey = INKEY(0)
    DO ClrMssg
    DEACTIVATE WINDOW OutNameWin
    DO outputFile
  ENDIF
ENDIF
DEACTIVATE WINDOW OutNameWin
@24,0 CLEAR TO 24,79
RETURN

FUNCTION RemoveAlpha
PARAMETERS alpha

charCounter = 1
noAlpha = ""
DO WHILE charCounter <= LEN(alpha)
  character = SUBSTR(alpha, charCounter,1)
  IF (.NOT. ISALPHA(character)) .AND. (character <> ":")

```

```

        noAlpha = noAlpha + character
    ENDIF
    charCounter = charCounter + 1
ENDDO
RETURN noAlpha

PROCEDURE RplcNnNdxFlds
* Determine non-indexed field numbers in the current database file and
* replace with relevant array values.

    m_length = LEN(DBF())
    m_at = AT(":", DBF())
    crrntDbf = SUBSTR(DBF(), m_at + 1, m_length - 6)
    dbPtr = dbPointer(IdDisplayName(crrntDbf), 1)
    lineNo = 1
    counter = 1
    DO WHILE (LineType(dbPtr, lineNo) <> "BREAK")
        DO CASE
            CASE (LineType(dbPtr, lineNo) = "KEY")
                counter = counter + 1
            CASE (LineType(dbPtr, lineNo) = "NORMAL")
                m_fldName = FldName(dbPtr, lineNo)
                DO CASE
                    CASE TYPE(FldName(dbPtr, lineNo)) = "N"
                        REPLACE &m_fldName WITH VAL(ArrayValue(crrntDbf, counter))
                    CASE TYPE(FldName(dbPtr, lineNo)) = "D"
                        REPLACE &m_fldName WITH CTOD(ArrayValue(crrntDbf, counter))
                    OTHERWISE
                        REPLACE &m_fldName WITH ArrayValue(crrntDbf, counter)
                ENDCASE
                counter = counter + 1
            ENDCASE
            lineNo = lineNo + 1
        ENDDO
    RETURN

PROCEDURE WriteDBFRec
PARAMETERS database

* Determine which area to select from the database file
DO CASE
    CASE database = "SITEFILE"
        SELECT 2
        ArrayName = "SitArray"
    CASE database = "STRMFLW"
        SELECT 3
        ArrayName = "StrArray"
    CASE database = "WTRLVL"
        SELECT 4
        ArrayName = "LvlArray"
    CASE database = "WTRQUAL"
        SELECT 5
        ArrayName = "QuaArray"
ENDCASE

* Search for duplicate index fields
SEEK BldNdxFlds()
IF .NOT. FOUND()
    APPEND FROM ARRAY &ArrayName
ELSE
    DO RplcNnNdxFlds
ENDIF
SELECT 1
RETURN

PROCEDURE WriteSitefile
    SELECT 2  && sitefile
* Search for duplicate index fields
SEEK BldNdxFlds()
IF .NOT. FOUND()
    APPEND FROM ARRAY SitArray
ENDIF

```

```

SELECT 1
RETURN

FUNCTION ZeroAdder
PARAMETERS number, desiredSize

strNumber = LTRIM(Number)
strNumber = RTRIM(strNumber)

DO WHILE LEN(strNumber) < desiredSize
    strNumber = "0" + strNumber
ENDDO
RETURN strNumber
*****  

FUNCTION FldTypDec
PARAMETER dbPtr,LineNo

* Returns the the length of the decimal portion of the field defined in
* FldDef.dat

m_fldType = RTRIM(SUBSTR(FldDef[dbPtr+LineNo],41,5))
m_len = LEN(m_fldType)
m_rat = RAT(".", m_fldType)
m_decSz = m_len - m_rat
RETURN m_decSz

FUNCTION LineType
PARAMETER dbPtr,LineNo
PRIVATE i, string

i = dbPtr

DO CASE
CASE LEFT(FldDef[i+LineNo],1) = "K"
    string = "KEY"
CASE LEFT(FldDef[i+LineNo],1) = "N"
    string = "NORMAL"
CASE LEFT(FldDef[i+LineNo],1) = "L"
    string = "LINE"
CASE LEFT(FldDef[i+LineNo],1) = "X"
    string = "BREAK"
ENDCASE
RETURN string

PROCEDURE ModifyAccess
PRIVATE Passwd
Passwd = SPACE(10)

DEFINE WINDOW ModifyScr FROM 10,15 TO 15,65 NONE COLOR W+/R, W+/N
ACTIVATE WINDOW ModifyScr
SET CURSOR ON
@0,1 TO 5,49 DOUBLE COLOR W+/R
@0,15 SAY " Modification Access " COLOR W+/R
@2,20 GET Passwd
@4,4 SAY "Please type password or press Esc to bypass"
READ
SET CURSOR OFF
DEACTIVATE WINDOW ModifyScr

IF (RTRIM(Passwd) = "ModifyOk")
    CanModify = .T.
ELSE
    CanModify = .F.
ENDIF
RETURN
*****

```

```
*****
* InputScr.prg - Contains procedures defining input screens for HBase
*
* MODULE SUMMARY: Indented names are short, macro-like utility modules
*
* BrowseProc()      - Main routine for browse mode editing
* ModifyProc()       - Main routine--allows modification of selected db
* DisplayInputScreen() - Defines input window, lines, and field headings
* InputKeyFields()   - Defines GETs for key fields, allows input
* FldBlankVal()      - Returns a "blank" value for a field type
* FldPicture()        - Returns a field picture for GET for a field type
* ProcessKey()        - Used to trap desired keys (e.g., Ctrl-PgUp, etc.)
* Nothing()           - Does nothing--used for trapping keys not wanted
* LookupdbInfo()      - Looks up info for a specific record or for key fields
* InputNormalFields() - Defines GETs for normal fields, allows input
* StoredbInfo()        - Creates a new record or updates an existing one
* DeletedbRecord()    - Prompt user for a password, allows record deletion
*-----
* FldDef[] array modules:
*
* This file also contains modules that initialize and reference the FldDef[] array. FldDef[] is used to store input screen and database structure information. An ASCII file, FLDDEF.DAT, that contains this information is parsed into memory when the HBase begins.
*
* InitFldDef() - Loads data from FLDDEF.DAT to initialize FldDef[] array
* dbPointer()   - Returns an index into FldDef[] where database info begins
* NumLines      - Returns the number of lines in an input screen
* NumRecs()     - Returns the number of records in a database
* dbName()      - Returns the menu name of a database
* dbfName()     - Returns the dBase filename of a database
* indexName()   - Returns the name of the primary index of a database
* NumPages()    - Returns the number of input screen pages for a database
* FldType()     - Returns the type of a database field (e.g., A20 or N6.2)
* FldTypSz()    - Returns the length of a database field
* InputID()     - Returns the heading for a field on the input screen
* FldName()     - Returns the database field name for a field
*****
```

```
*****
* BrowseProc() - Allows user modification of databases using the built-in
* browse mode of dBase.
*
* CALLS: dbPointer(), dbfName(), dbName()
* CALLED BY: <main menu>
* RETURNS: n/a
*****
PROCEDURE BrowseProc
    PRIVATE tempname, dbPtr

    *> Clear display of menus in background
    @1,1 CLEAR TO 22,79
    @1,1 FILL TO 22,79 COLOR W/BG

    dbPtr = dbPointer(BARPROMPT(ModifydbName,"ModifyMenu"),1)
    tempname = dbfName(dbPtr)

    DEFINE WINDOW BrWindow FROM 2,2 TO 21,77
    @23,0 CLEAR TO 24,79
    @23,18 SAY "Esc: Return to Menu  F9: Full-Screen Toggle" COLOR W/B
    @24,32-LEN(dbName(dbPtr))/2 SAY "Browsing "+dbName(dbPtr)+" database" COLOR W/B

    *> Deactivate transfer to query design and form view
    ON KEY LABEL F2 DO Nothing
    ON KEY LABEL Shift-F2 DO Nothing

    USE &tempname
    BROWSE NOEDIT NOAPPEND NODELETE NOMENU WINDOW BrWindow
    USE

    ON KEY
```

```

DEACTIVATE POPUP
RETURN

*****
* ModifyProc() - Allows user modification of databases, including adding,
* editing, deleting, and browsing records
*
* CALLS: dbPointer(), NumRecs(), DisplayInputScreen(), InputKeyFields(),
*         LookupdbInfo(), InputNormalFields(), StoredbInfo(),
*         DeletedbRecord(), NumPages(), cbfName(), FunsPros--WaitMssg(),
*         FunsPros--ClrWait()
* CALLED BY: <main menu>
* RETURNS: n/a
*****
PROCEDURE ModifyProc
    PRIVATE tempname, dbPtr, dbRecs, RecNo, pageNo, retval, RecsDeleted, ch

    *> Clear display of menus in background
    @1,1 CLEAR TO 22,79
    @1,1 FILL TO 22,79 COLOR W/BG

    SET CURSOR ON

    *> Get database selected and corresponding pointer to input screen
    tempname = BARPROMPT(ModifydbName, "ModifyMenu")
    pageNo = 1
    dbPtr = dbPointer(tempname, pageNo)

    *> Get number of records in database--RecNo = 0 indicates new record
    dbRecs = NumRecs(dbPtr)
    RecNo = 0
    RecsDeleted = .F.

    *> Allow modification of database until user presses "Esc"
    DO WHILE .T.

        *> Display the input screen and allow user to input key fields
        DO DisplayInputScreen WITH dbPtr, pageNo
        retval = InputKeyFields(dbPtr, pageNo)

        *> Process key terminating input:
        *> - Esc      : quit
        *> - Ctrl-PgUp: previous record
        *> - Ctrl-PgDn: next record
        *> - <Others> : look up a record or add a new one
        *> -----
        DO CASE
            CASE retval = "Esc"          && Quit
                EXIT

            CASE retval = "Ctrl-PgUp"    && Previous record
                *> Check for empty database
                IF (dbRecs > 0)
                    RecNo = IIF(RecNo <= 1, dbRecs, RecNo - 1)
                    retval = LookupdbInfo(dbPtr, RecNo)
                ELSE
                    LOOP
                ENDIF

            CASE retval = "Ctrl-PgDn"    && Next record
                *> Check for empty database
                IF (dbRecs > 0)
                    RecNo = IIF(RecNo = dbRecs, 1, RecNo + 1)
                    retval = LookupdbInfo(dbPtr, RecNo)
                ELSE
                    LOOP
                ENDIF

            OTHERWISE                  && New record or lookup record
                *> The 0 as second argument of LookupdbInfo indicates
                *> record number not known (possibly new record)
                retval = LookupdbInfo(dbPtr, 0)
        ENDIF
    ENDWHILE

```

```

        RecNo = IIF(retval > 0, retval, 0)
    ENDCASE

    *> Check for attempted entry of record without a site defined
    *> in the Site database--if so, restart entry of key fields
    IF (retval = -1)
        LOOP
    ENDIF

    *> Allow the user to input remaining (normal) database fields
    DO WHILE .T.
        retval = InputNormalFields(dbPtr, pageNo)

    *> Process key terminating input:
    *> - Esc      : abort edits
    *> - Ctrl-PgUp : previous record
    *> - Ctrl-PgDn : next record
    *> - F2       : save edits
    *> - F10      : delete record
    *> - PgUp     : previous page of input screen
    *> - PgDn,CR,Tab: next page of input screen
    *> -----
        DO CASE
            CASE retval = "Ctrl-PgUp"    && Previous record
                *> Check for empty database
                IF (dbRecs > 0)
                    RecNo = IIF(RecNo <= 1, dbRecs, RecNo - 1)
                    retval = LookupdbInfo(dbPtr, RecNo)
                ENDIF

            CASE retval = "Ctrl-PgDn"    && Next record
                *> Check for empty database
                IF (dbRecs > 0)
                    RecNo = IIF(RecNo = dbRecs, 1, RecNo + 1)
                    retval = LookupdbInfo(dbPtr, RecNo)
                ENDIF

            CASE retval = "F2"          && Save edits
                IF (.NOT. CanModify)
                    DO ModifyAccess
                ENDIF
                IF (CanModify)
                    DO StoredbInfo WITH dbPtr, RecNo
                    dbRecs = NumRecs(dbPtr)
                    EXIT
                ELSE
                    DO Mssg WITH "Invalid password--record not saved. Press any key to continue...", 24
                    ch = INKEY(0)
                    DO ClrMssg
                ENDIF

            CASE retval = "Esc"         && Abort edits
                EXIT

            CASE retval = "F10"         && Delete record
                IF (RecNo <> 0)
                    DO DeletedbRecord WITH dbPtr, RecNo
                    dbRecs = NumRecs(dbPtr)
                    IF (RecNo = 0)
                        RecsDeleted = .T.
                        EXIT
                    ENDIF
                ENDIF

            CASE retval = "PgUp"        && Previous page of input screen
                IF (NumPages(dbPtr) > 1)
                    pageNo = IIF(PageNo = 1, NumPages(dbPtr), pageNo - 1)
                    dbPtr = dbPointer(dbName(dbPtr), pageNo)
                    DO DisplayInputScreen WITH dbPtr, pageNo
                ENDIF

    *
        Next page of input screen

```

```

        CASE retval = "PgDn" .OR. ;
        MOD(READKEY(),256) = 5 .OR. ;
        MOD(READKEY(),256) = 15
        IF (NumPages(dbPtr) > 1)
            pageNo = IIF(pageNo = NumPages(dbPtr), 1, pageNo + 1)
            dbPtr = dbPointer(dbName(dbPtr), pageNo)
            DO DisplayInputScreen WITH dbPtr, pageNo
        ENDIF
    ENDCASE
ENDDO
DEACTIVATE WINDOW InputScr
ENDDO

DEACTIVATE WINDOW InputScr
@23,0 CLEAR TO 24,79

*> Check if records were deleted and pack database, if necessary
IF (RecsDeleted)
    DO WaitMssg WITH "Packing " + dbName(dbPtr) + " database. Please wait"
    tempname = dbfName(dbPtr)
    USE &tempname
    PACK
    USE

    DO ClrWait
ENDIF

SET CURSOR OFF
DEACTIVATE POPUP
RETURN

*****
* DisplayInputScreen() - Displays an input screen for the database specified
* by dbPtr, and for the page number specified in pageNo
*
*      CALLS: NumLines(), dbName(), NumPages(), LineType(), InputID()
* CALLED BY: ModifyProc()
* RETURNS: n/a
*****
PROCEDURE DisplayInputScreen
    PARAMETER dbPtr, pageNo
    PRIVATE LineNo, FieldNo, dblines, Title

*> Determine required size for input screen window and define it
dblines = NumLines(dbPtr)

DEFINE WINDOW InputScr FROM 2,2 TO dblines+3,77 NONE COLOR W/B, W+/N
ACTIVATE WINDOW InputScr
@0,0 TO dblines+1,75 DOUBLE COLOR W+/B
Title = dbName(dbPtr) + IIF(NumPages(dbPtr) > 1, ": Page "+STR(PageNo,1),"")
@0,37-LEN>Title/2 SAY "+Title+" COLOR W+/B

*> Display lines and headings for all fields
LineNo = 1
FieldNo = 1
DO WHILE LineNo <= dblines
    DO CASE
        CASE LineType(dbPtr, LineNo) = "LINE"      && Draw divider line
            @LineNo,0 SAY "+" COLOR W+/B
            @LineNo,1 TO LineNo,74 COLOR W+/B
            @LineNo,75 SAY "+" COLOR W+/B
        OTHERWISE                                && Display field heading
            @LineNo,2 SAY InputID(dbPtr, LineNo)+":"
            FieldNo = FieldNo + 1
    ENDCASE
    LineNo = LineNo + 1
ENDDO
RETURN

*****
* InputKeyFields() - Defines the GET fields for key fields in the input
* screen defined by dbPtr and pageNo and allows user input.

```

```

*
*   CALLS: LineType(), FldBlankVal(), FldPicture(), ProcessKey(), Nothing()
* CALLED BY: ModifyProc()
*   RETURNS: Key pressed to terminate GETs
*****
FUNCTION InputKeyFields
  PARAMETER dbPtr, PageNo
  PRIVATE LineNo, FieldNo, Keypress, Keyval

*> Display available keys at bottom of display
  ACTIVATE SCREEN
  @23,0 CLEAR TO 24,79
  @23,12 SAY "Esc: Return to Menu  Ctrl-PgUp/PgDn: Previous/Next Record" COLOR W+/B
  @24,29 SAY "Please input key fields" COLOR W+/B
  ACTIVATE WINDOW InputScr

*> Define GETs for key fields
  LineNo = 1
  FieldNo = 1
  DO WHILE (LineType(dbPtr,LineNo) <> "NORMAL")  && Key fields must come first
    IF (LineType(dbPtr,LineNo) = "KEY")
      InputFld[FieldNo,PageNo] = FldBlankVal(FldType(dbPtr,LineNo))
      @LineNo,23 GET InputFld[FieldNo,PageNo] ;
      PICTURE FldPicture(FldType(dbPtr,LineNo))
      FieldNo = FieldNo + 1
    ENDIF
    LineNo = LineNo + 1
  ENDDO

*> Define allowable terminating keys
  Keypress = ""
  ON KEY LABEL Ctrl-PgUp Keypress = ProcessKey("Ctrl-PgUp")  && Prev rec
  ON KEY LABEL Ctrl-PgDn Keypress = ProcessKey("Ctrl-PgDn")  && Next rec

*> Trap GET terminating keys not wanted
  ON KEY LABEL PgUp DO Nothing
  ON KEY LABEL PgDn DO Nothing
  ON KEY LABEL F1 DO Nothing

*> Allow input of key fields
  READ
  ON KEY
    Keypress = IIF(READKEY() = 12, "Esc", Keypress)
  RETURN Keypress

*****
* FldBlankVal() - Generates a "blank" value appropriate for the specified
* type of field (i.e., string of spaces for alphanumeric or 0.0 for numeric)
*   CALLS: n/a
* CALLED BY: InputKeyFields(), TransferdbInfo()
*   RETURNS: String of spaces or 0.0
*****
FUNCTION FldBlankVal
  PARAMETER fType  && fType must be one of A#, A##, A###, N#.#, N##.#
  PRIVATE FldBlkVal

  IF (LEFT(fType,1) = "A")  && Alphanumeric field - return blank string
    FldBlkVal = SPACE(VAL(SUBSTR(fType,2,3)))
  ELSE
    FldBlkVal = 0.0          && Numeric field - return 0
  ENDIF
  RETURN FldBlkVal

*****
* FldPicture() - Generates a picture for a GET field appropriate for the
* specified type of field (i.e., string of 'X's for alphanumeric or
* string of '9's for numeric--numeric field type is N<digits>.<digits>
* (e.g., N6.2 --> 999999.99)
*   CALLS: n/a
* CALLED BY: InputKeyFields(), InputNormalFields()
*   RETURNS: String of 'X's for alphanumeric or string of '9's for numeric
*****

```

```

FUNCTION FldPicture
PARAMETER fType    && fType must be one of A#, A##, A###, N#.#, N##.#
PRIVATE FldPict

IF (LEFT(fType,1) = "A")    && Alphanumeric field - return string of 'X's
  FldPict = REPLICATE("X",VAL(SUBSTR(fType,2,3)))
  FldPict = IIF(LEN(FldPict) > 50, "@S50"+FldPict, FldPict)
ELSE                      && Numeric field - return string of '9's
  FldPict = REPLICATE("9",VAL(SUBSTR(fType,2,LEN(fType) - 3)))+".)+"+
              REPLICATE("9",VAL(SUBSTR(fType,LEN(fType),1)))
ENDIF
RETURN FldPict

*****
* ProcessKey() - Simulates user pressing Ctrl-W (terminate with save) and
* passes the input string back. Used to terminate the GETs for keys trapped
* with ON KEY LABEL command.
* CALLS: n/a
* CALLED BY: InputKeyFields(), InputNormalFields()
* RETURNS: Input string (a string identifying the key pressed)
*****

FUNCTION ProcessKey
PARAMETER Keypress
KEYBOARD CHR(23)
RETURN Keypress

*****
* Nothing() - Does nothing--used to trap GET terminating keys not wanted.
* CALLS: n/a
* CALLED BY: InputKeyFields(), InputNormalFields()
* RETURNS: n/a
*****

PROCEDURE Nothing
RETURN

*****
* LookupdbInfo() - Looks up database info based on key fields (RecNo = 0)
* or a specific record number.
*
* CALLS: dbName(), dbfName(), IndexName(), LineType(), FldType(),
* TransferdbInfo()
* CALLED BY: ModifyProc()
* RETURNS: -1 for site missing, 0 for new record being created, or the
* appropriate record number if lookup is successful
*****
FUNCTION LookupdbInfo
PARAMETER dbPtr, RecNo
PRIVATE LineNo, FieldNo, tempkey

*> Check if lookup is based on key fields
IF (RecNo = 0)

  *> If not editing site file, make sure a site exists for these key fields
  IF (dbName(dbPtr) <> "Site" .AND. dbName(dbPtr) <> "Codes")
    tempkey = InputFld[1,1]+InputFld[2,1]
    USE Sitefile ORDER IDName
    SEEK tempkey

  *> Abort--this site not yet defined in Site database
  IF (.NOT. FOUND())
    DEFINE WINDOW NotFound FROM 5,15 TO 11,65 NONE COLOR W+/B, W+/N
    ACTIVATE WINDOW NotFound
    @0,1 TO 6,49 DOUBLE COLOR W+/B
    @0,17 SAY " Site Not Found! " COLOR W+/B
    @2,3 SAY "This site does not exist in the Site database." COLOR W+/B
    @3,3 SAY "You must create a new record for this site in" COLOR W+/B
    @4,3 SAY "the Site database before adding records to the" COLOR W+/B
    @5,3 SAY dbName(dbPtr)+" database. Press any key." COLOR W+/B
    tempkey = INKEY(0)
    DEACTIVATE WINDOW NotFound
    USE
    RETURN -1

```

```

        ENDIF
        USE
    ENDIF

    *> Open appropriate database for lookup
    tempfile = dbfName(dbPtr)
    tempindex = indexName(dbPtr)
    USE &tempfile ORDER &tempindex

    *> Build seek key based on key fields
    tempkey = ""
    LineNo = 1
    FieldNo = 1
    DO WHILE (LineType(dbPtr,LineNo) <> "NORMAL")
        IF (LineType(dbPtr,LineNo) = "KEY")  && Use only key fields for seek
            IF (LEFT(FldType(dbPtr,LineNo),1) = "A")  && Alphanumeric key field
                tempkey = tempkey + InputFld[FieldNo,1]
            ELSE                                && Numeric key field
                tempkey = tempkey + STR(InputFld[FieldNo,1])
            ENDIF
            FieldNo = FieldNo + 1
        ENDIF
        LineNo = LineNo + 1
    ENDDO

    *> Seek record in database
    SEEK tempkey

    *> If record is found, update RecNo accordingly
    IF FOUND()
        RecNo = RECNO()
    ELSE
        RecNo = 0
    ENDIF

    *> Transfer info into InputFld[] if found--blank InputFld[] if not
    DO TransferdbInfo WITH dbPtr, .NOT. FOUND()

    *> Lookup the record specified--not based on key fields
    ELSE
        tempfile = dbfName(dbPtr)
        tempindex = indexName(dbPtr)
        USE &tempfile ORDER &tempindex
        GO RecNo
        DO TransferdbInfo WITH dbPtr, .F.
    ENDIF
    USE
RETURN RecNo

*****
* TransferdbInfo() - Either transfers database info for the current record
* into the InputFld[] array (FillWithBlanks = .F.) or blanks out the
* InputFld[] array to allow entry of a new record (FillWithBlanks = .T.)
*
*      CALLS: NumPages(), dbPointer(), dbName(), NumLines(), LineType(),
*             FldBlankVal(), FldType(), FldName()
* CALLED BY: LookupdbInfo()
* RETURNS: n/a
*****
PROCEDURE TransferdbInfo
    PARAMETER dbPtr, FillWithBlanks
    PRIVATE dbLines, NumPgs, pageNo, LineNo, FieldNo, tempPtr

    *> Determine number of input screen pages
    NumPgs = NumPages(dbPtr)

    *> For each input screen page, transfer db info or blank fields
    pageNo = 1
    DO WHILE (pageNo <= NumPgs)

        *> Update tempPtr to point to current page
        tempPtr = dbPointer(dbName(dbPtr), pageNo)

```

```

*> Determine number of lines for this input screen page
dbLines = NumLines(tempPtr)
LineNo = 1
FieldNo = 1

*> Process all lines in this input screen page
DO WHILE (LineNo <= dbLines)

    *> Clear fields to allow data entry
    IF (FillWithBlanks)
        DO CASE
            *> Clear normal fields
            CASE LineType(tempPtr,LineNo) = "NORMAL"
                InputFld[FieldNo,PageNo] = FldBlankVal(FldType(tempPtr,LineNo))
                FieldNo = FieldNo + 1

            *> Copy key field info to key fields on other input screen pages
            CASE LineType(tempPtr,LineNo) = "KEY"
                IF (PageNo > 1)
                    InputFld[FieldNo,PageNo] = InputFld[FieldNo,1]
                ENDIF
                FieldNo = FieldNo + 1
            ENDCASE

    *> Transfer db info into fields
    ELSE
        IF (LineType(tempPtr,LineNo) = "KEY" .OR. ;
            LineType(tempPtr,LineNo) = "NORMAL")
            tempname = FldName(tempPtr,LineNo)
            InputFld[FieldNo,PageNo] = &tempname
            FieldNo = FieldNo + 1
        ENDIF
    ENDIF
    LineNo = LineNo + 1
ENDDO
PageNo = PageNo + 1
ENDDO
RETURN

*****
* InputNormalFields - Defines the GET fields for normal fields in the input
* screen defined by dbPtr and PageNo and allows user input.
*
*      CALLS: NumLines(), NumPages(), LineType(), FldPicture(), FldType(),
*             ProcessKey(), Nothing()
* CALLED BY: ModifyProc()
* RETURNS: Key pressed to terminate GETs
*****
FUNCTION InputNormalFields
PARAMETER dbPtr, PageNo
PRIVATE dbLines, LineNo, FieldNo, Keypress, Keyval

dbLines = NumLines(dbPtr)

*> Display available keys at bottom of display
ACTIVATE SCREEN
@23,0 CLEAR TO 24,79
@23,14 SAY "F2: Save Edits Esc: Abort Edits F10: Delete Record" COLOR W+/B
IF (NumPages(dbPtr) > 1)  && Show PgUp/PgDn if more than one input screen page
    @24,10 SAY "Ctrl-PgUp/PgDn: Next/Previous Record PgUp/PgDn: Toggle Pages" COLOR W+/B
ELSE
    @24,23 SAY "Ctrl-PgUp/PgDn: Next/Previous Record" COLOR W+/B
ENDIF
ACTIVATE WINDOW InputScr

*> Define GETs for normal fields, show current value for key fields
LineNo = 1
FieldNo = 1
DO WHILE (LineNo <= dbLines)
    DO CASE
        CASE LineType(dbPtr,LineNo) = "NORMAL"
            @LineNo,23 GET InputFld[FieldNo,PageNo] ;

```

```

        PICTURE FldPicture(FldType(dbPtr,LineNo))
        FieldNo = FieldNo + 1
        CASE LineType(dbPtr,LineNo) = "KEY"
            @LineNo,23 SAY InputFld[FieldNo,PageNo] ;
            PICTURE FldPicture(FldType(dbPtr,LineNo)) COLOR W+N
        FieldNo = FieldNo + 1
        ENDCASE
        LineNo = LineNo + 1
    ENDDO

*> Define allowable terminating keys
Keypress = ""
ON KEY LABEL Ctrl-PgUp Keypress = ProcessKey("Ctrl-PgUp") && Prev rec
ON KEY LABEL Ctrl-PgDn Keypress = ProcessKey("Ctrl-PgDn") && Next rec
ON KEY LABEL PgUp      Keypress = ProcessKey("PgUp")      && Prev pg
ON KEY LABEL PgDn      Keypress = ProcessKey("PgDn")      && Next pg
ON KEY LABEL F2         Keypress = ProcessKey("F2")        && Save edits
ON KEY LABEL F10        Keypress = ProcessKey("F10")       && Delete rec

*> Trap GET terminating keys not wanted
ON KEY LABEL F1 DO Nothing

*> Allow input of normal fields
READ
ON KEY
    Keypress = IIF(READKEY() = 12, "Esc", Keypress)
RETURN Keypress

*****
* StoredbInfo() - Stores a new database record (RecNo = 0) or updates an
* existing record as specified by RecNo.
*
*     CALLS: dbfName(), IndexName(), NumPages(), dbPointer(), NumLines(),
*             LineType(), FldName()
* CALLED BY: ModifyProc()
* RETURNS: n/a
*****
PROCEDURE StoredbInfo
    PARAMETER dbPtr, RecNo
    PRIVATE dbLines, NumPgs, pageNo, LineNo, FieldNo, ;
        tempPtr, tempfile, tempindex

*> Open appropriate database
tempfile = dbfName(dbPtr)
tempindex = indexName(dbPtr)
USE &tempfile ORDER &tempindex

*> Determine number of input screen pages--each page has fields to store
NumPgs = NumPages(dbPtr)

*> Determine if new or existing record and position record accordingly
IF (RecNo = 0)
    APPEND BLANK
ELSE
    GO RecNo
ENDIF

*> Loop through all pages and store fields to database
PageNo = 1
DO WHILE (PageNo <= NumPgs)
    tempPtr = dbPointer(dbName(dbPtr),PageNo)

    dbLines = NumLines(tempPtr)
    LineNo = 1
    FieldNo = 1

*> Loop through all input screen lines and store data for each field
DO WHILE (LineNo <= dbLines)
    IF (LineType(tempPtr,LineNo) = "KEY" .OR. ;
        LineType(tempPtr,LineNo) = "NORMAL")
        tempname = FldName(tempPtr,LineNo)
        REPLACE &tempname WITH InputFld[FieldNo,PageNo]

```

```

        FieldNo = FieldNo + 1
    ENDIF
    LineNo = LineNo + 1
ENDDO
PageNo = PageNo + 1
ENDDO
USE
RETURN

*****
* DeletedbRecord() - Allows deletion of an existing record as specified by
* RecNo. Prompts the user for a password.
*
*      CALLS: dbfName(), IndexName()
* CALLED BY: ModifyProc()
* RETURNS: n/a
*****
PROCEDURE DeletedbRecord
    PARAMETER dbPtr, RecNo
    PRIVATE tempfile, tempindex, Passwd, ch

*> Open appropriate database
tempfile = dbfName(dbPtr)
tempindex = indexName(dbPtr)
Passwd = SPACE(10)

USE &tempfile ORDER &tempindex
GO RecNo

*> Prompt user for deletion password
DEFINE WINDOW DeleteScr FROM 5,15 TO 10,65 NONE COLOR W+/R, W+/N
ACTIVATE WINDOW DeleteScr
@0,1 TO 5,49 DOUBLE COLOR W+/R
@0,18 SAY "Delete Record" COLOR W+/R
@2,20 GET Passwd
@4,5 SAY "Please type password or press Esc to abort"
READ
DEACTIVATE WINDOW DeleteScr

*> If correct password entered, delete record
IF (RTRIM(Passwd) = "*Del!*")
    DELETE
    RecNo = 0  && Return to empty input screen
ELSE
    DO Mssg WITH "Invalid password--record not deleted. Press any key to continue...", 24
    ch = INKEY(0)
    DO ClrMssg
ENDIF
USE
RETURN

*****
* Procedures and functions defining the FldDef structure
*****
* Example: (The first input screen page for the Site database)
*
* 3 | Site           | SITEFILE | Main  && NumPages | dbName   | dbfName | IndexName
* K     Site ID       SiteID    A15    && LineType | InputID | fldName | fldType
* K     Local #/Site Name SiteName  A50
* K     Source Agency SrcAgency A5
* K     EarthInfo Id  EISta_ID A4
* L
* N     Latitude     Latitude  A7
* N     Longitude    Longitude A8
* N     Northing    Northing A10
* N     Easting     Easting   A10
* N     Locator      Locator   A23
* N     Locator Type LocType   A22
* N     Altitude     Altitude  N9.2
* N     Altitude Method AltiMethod A33
* N     Hydro Unit Code HydUntCode A8

```

```

* N | County Code | CountyCode | A5
* X |

*-----
* InitFldDef() - Loads data from FldDef.DAT to initialize FldDef[] array
*-----
PROCEDURE InitFldDef
    PRIVATE i, FldDefFileHdl

    *> Open FldDef.DAT file
    FldDefFileHdl = FOPEN("FldDef.DAT","r")

    *> Load all data line by line into FldDef[] array
    i = 1
    DO WHILE (i <= FLDDEFSIZE)
        FldDef[i] = FGETS(FldDefFileHdl)
        i = i + 1
    ENDDO

    i = FCLOSE(FldDefFileHdl)
RETURN

*-----
* dbPointer() - Returns an index into FldDef[] where database info begins
*-----
FUNCTION dbPointer
    PARAMETER dbName, PageNo
    PRIVATE i, nPage

    *> Find the beginning of the input screen for the page specified by PageNo
    *> in the database (menu name) specified by dbName
    i = 1
    nPage = 1
    DO WHILE (nPage <= PageNo)
        DO WHILE (RTRIM(SUBSTR(FldDef[i],5,19)) <> dbName)
            i = i + 1
        ENDDO
        nPage = nPage + 1
        IF (nPge <= PageNo)
            i = i + 1
        ENDIF
    ENDDO
RETURN i

*-----
* NumLines() - Returns the number of lines in an input screen
*-----
FUNCTION NumLines
    PARAMETER dbPtr
    PRIVATE i, j, LineCnt

    *> Count lines until "X" encountered
    i = dbPtr + 1
    LineCnt = 0
    DO WHILE (LEFT(FldDef[i],1) <> "X")
        LineCnt = LineCnt + 1
        i = i + 1
    ENDDO
RETURN LineCnt

*-----
* NumRecs() - Returns the number of records in a database
*-----
FUNCTION NumRecs
    PARAMETER dbPtr
    PRIVATE tempname, recs

    tempname = dbfName(dbPtr)
    USE &tempname
    recs = RECCOUNT()
    USE
RETURN recs

```

```
*-----  
* dbName() - Returns the menu name of a database  
*-----  
FUNCTION dbName  
    PARAMETER dbPtr  
RETURN RTRIM(SUBSTR(FlDef[dbPtr],5,19))  
  
*-----  
* dbfName() - Returns the dBase filename of a database  
*-----  
FUNCTION dbfName  
    PARAMETER dbPtr  
RETURN RTRIM(SUBSTR(FlDef[dbPtr],27,8))  
  
*-----  
* indexName() - Returns the name of the primary index of a database  
*-----  
FUNCTION indexName  
    PARAMETER dbPtr  
RETURN RTRIM(SUBSTR(FlDef[dbPtr],40,10))  
  
*-----  
* NumPages() - Returns the number of input screen pages for a database  
*-----  
FUNCTION NumPages  
    PARAMETER dbPtr  
RETURN VAL(LEFT(FlDef[dbPtr],1))  
  
*-----  
* FlType() - Returns the type of a database field (e.g., A20 or N6.2)  
*-----  
FUNCTION FlType  
    PARAMETER dbPtr,LineNo  
RETURN SUBSTR(FlDef[dbPtr+LineNo],40,6)  
  
*-----  
* FlTypSz() - Returns the length of a database field (e.g., A20 --> 20)  
*-----  
FUNCTION FlTypSz  
    PARAMETER dbPtr,LineNo  
RETURN INT(VAL(SUBSTR(FlDef[dbPtr+LineNo],41,5)))  
  
*-----  
* InputID() - Returns the heading for a field on the input screen  
*-----  
FUNCTION InputID  
    PARAMETER dbPtr,LineNo  
RETURN SUBSTR(FlDef[dbPtr+LineNo],5,19)  
  
*-----  
* FlName() - Returns the database field name for a field  
*-----  
FUNCTION FlName  
    PARAMETER dbPtr,LineNo  
RETURN RTRIM(SUBSTR(FlDef[dbPtr+LineNo],27,10))
```

```

*****
* MAIN.PRG *
*****

CLOSE ALL
CLEAR ALL

* Global constants
PUBLIC MAXFIELDS, FLDDEFSIZE
  MAXFIELDS = 16
  FLDDEFSIZE = 247
  MAXPAGES = 3

* Global variables
PUBLIC ARRAY FldDef[FLDDEFSIZE]
PUBLIC ARRAY InputFld[MAXFIELDS,MAXPAGES]
PUBLIC CanModify, InputFileName, OutputName
PUBLIC ModifydbName

DO SetupEnviron
DO DisplayWelcome
DO SetupMenus
DO InitFldDef
DO CreateFlds

CLEAR
@1,0 FILL TO 22,79 COLOR W/BG
@23,10 SAY "Use ^X,^Y,^L,"+CHR(26)+" keys to highlight a menu item, then press Enter" COLOR W+/B
ACTIVATE MENU MainMenu
*****
* End of Main *
*****


PROCEDURE SetupEnviron
  SET BELL OFF
  SET COLOR OF BOX TO W+/B
  SET COLOR TO W/B,GR+/W,,W/B
  SET CONFIRM ON
  SET CURSOR OFF
  SET DELETED ON
  SET ESCAPE OFF
  SET EXACT ON
  SET LIBRARY TO FunsPros
  SET PROCEDURE TO InputScr
  SET SAFETY OFF
  SET SCOREBOARD OFF
  SET STATUS OFF
  SET TALK OFF
RETURN

PROCEDURE CreateFlds
  fileCounter = 1

  DO WHILE fileCounter <= 17
    DO CASE
      CASE fileCounter = 1
        m_fileName = "sitefile"
      CASE fileCounter = 2
        m_fileName = "construc"
      CASE fileCounter = 3
        m_fileName = "hole"
      CASE fileCounter = 4
        m_fileName = "casing"
      CASE fileCounter = 5
        m_fileName = "openings"
      CASE fileCounter = 6
        m_fileName = "msrngpt"
      CASE fileCounter = 7
        m_fileName = "spring"
      CASE fileCounter = 8
        m_fileName = "wtrlvl"
      CASE fileCounter = 9

```

```

        m_fileName = "discharg"
CASE fileCounter = 10
        m_fileName = "strmflw"
CASE fileCounter = 11
        m_fileName = "climate"
CASE fileCounter = 12
        m_fileName = "wtrqual"
CASE fileCounter = 13
        m_fileName = "georecrd"
CASE fileCounter = 14
        m_fileName = "geophys"
CASE fileCounter = 15
        m_fileName = "hydrrec"
CASE fileCounter = 16
        m_fileName = "coefrec"
CASE fileCounter = 17
        m_fileName = "codes"
ENDCASE

USE &m_fileName
m_fldFileHandle = FCREATE(m_fileName + ".fld", "A")
fieldCounter = 1
DO WHILE fieldCounter <= FLDCOUNT()
    m_fieldName = FPUTS(m_fldFileHandle, FIELD(fieldCounter))
    fieldCounter = fieldCounter + 1
ENDDO
m_fldFileHandle = FCLOSE(m_fldFileHandle)

fileCounter = fileCounter + 1
ENDDO

CLOSE DATABASES
RETURN

```

```

PROCEDURE DisplayWelcome
CLEAR
TEXT

```

# H-BASE

```
ENDTEXT
```

```

@0,0 TO 24,79 COLOR W+/B
@8,10 SAY "A Hydrologic Database of Wells and Springs on Hopi Tribe Lands"
@18,34 SAY "Prepared for"
@19,33 SAY "The Hopi Tribe"
@21,20 SAY "by Daniel B. Stephens & Associates, Inc."
@22,33 SAY "September 1994"

```

```

DO ModifyAccess
RETURN

```

```

PROCEDURE SetupMenus
DEFINE MENU MainMenu
    DEFINE PAD SystemPad OF MainMenu PROMPT " " AT 0,0
    DEFINE PAD ModifyPad OF MainMenu PROMPT " Modify " AT 0,3 ;
        MESSAGE "Please select database file to modify"
    DEFINE PAD QueryPad OF MainMenu PROMPT " Query " AT 0,11 ;
        MESSAGE "Query database files"
    DEFINE PAD ReportPad OF MainMenu PROMPT " Reports " AT 0,18 ;
        MESSAGE "Please select report to print"
    DEFINE PAD UtilityPad OF MainMenu PROMPT " Utility " AT 0,27;
        MESSAGE "Please select utility option"
    DEFINE PAD ExitPad OF MainMenu PROMPT " Exit " AT 0,36 ;
        MESSAGE "Exit to DOS"

ON PAD ModifyPad OF MainMenu ACTIVATE POPUP ModifyMenu
ON PAD QueryPad OF MainMenu ACTIVATE POPUP QueryPop
ON PAD ReportPad OF MainMenu ACTIVATE POPUP ReportPop

```

```

ON PAD UtilityPad OF MainMenu ACTIVATE POPUP UtilityPop
ON PAD ExitPad    OF MainMenu ACTIVATE POPUP ExitPop

DEFINE POPUP ModifyMenu FROM 1,3
  DEFINE BAR 1 OF ModifyMenu PROMPT "Site"
  DEFINE BAR 2 OF ModifyMenu PROMPT "Construction"
  DEFINE BAR 3 OF ModifyMenu PROMPT "Hole"
  DEFINE BAR 4 OF ModifyMenu PROMPT "Casing"
  DEFINE BAR 5 OF ModifyMenu PROMPT "Openings"
  DEFINE BAR 6 OF ModifyMenu PROMPT "Measuring Point"
  DEFINE BAR 7 OF ModifyMenu PROMPT "Spring"
  DEFINE BAR 8 OF ModifyMenu PROMPT "Water Level"
  DEFINE BAR 9 OF ModifyMenu PROMPT "Discharge"
  DEFINE BAR 10 OF ModifyMenu PROMPT "Streamflow"
  DEFINE BAR 11 OF ModifyMenu PROMPT "Climate"
  DEFINE BAR 12 OF ModifyMenu PROMPT "Water Quality"
  DEFINE BAR 13 OF ModifyMenu PROMPT "Geohydrologic Units"
  DEFINE BAR 14 OF ModifyMenu PROMPT "Geophysical Logs"
  DEFINE BAR 15 OF ModifyMenu PROMPT "Hydraulics"
  DEFINE BAR 16 OF ModifyMenu PROMPT "Coefficients"
  DEFINE BAR 17 OF ModifyMenu PROMPT "_____ SKIP"
  DEFINE BAR 18 OF ModifyMenu PROMPT "Codes"

ON SELECTION POPUP ModifyMenu DO ModeProc

DEFINE POPUP QueryPop FROM 1,11
  DEFINE BAR 1 OF QueryPop PROMPT "Streamflow - Daily Mean Discharge"
  DEFINE BAR 2 OF QueryPop PROMPT "Precipitation - Sum of Daily Values"

ON SELECTION BAR 1 OF QueryPop DO StrmQry
ON SELECTION BAR 2 OF QueryPop DO PrecQry

DEFINE POPUP ReportPop FROM 1,18
  DEFINE BAR 1 OF ReportPop PROMPT "Monitor Well and Borehole Descriptions"
  DEFINE BAR 2 OF ReportPop PROMPT "Summary of Water Level Information"
  DEFINE BAR 3 OF ReportPop PROMPT "Summary of Water Quality Sampling Analyses"
  DEFINE BAR 4 OF ReportPop PROMPT "Major Ion Chemical Analyses"
  *  DEFINE BAR 5 OF ReportPop PROMPT "Daily Mean Values"
  DEFINE BAR 6 OF ReportPop PROMPT "Summary of Climate Information"
  DEFINE BAR 7 OF ReportPop PROMPT "Spring Descriptions"
  DEFINE BAR 8 OF ReportPop PROMPT "Summary of Streamflow Information"

ON SELECTION POPUP ReportPop DO Reports

DEFINE POPUP UtilityPop FROM 1,27
  DEFINE BAR 1 OF UtilityPop PROMPT "Import"

ON SELECTION BAR 1 OF UtilityPop DO mprrtmenu

DEFINE POPUP ExitPop FROM 1,36
  DEFINE BAR 1 OF ExitPop PROMPT "dBASE";
    MESSAGE "Exit to dBASE"
  DEFINE BAR 2 OF ExitPop PROMPT "DOS";
    MESSAGE "Exit to DOS"

ON SELECTION POPUP ExitPop BLANK DO ExitProc
RETURN

PROCEDURE ModeProc
  ModifydbName = BAR()
  DEFINE POPUP ModePop FROM BAR(),24
    DEFINE BAR 1 OF ModePop PROMPT "dBASE Browse Mode"
    DEFINE BAR 2 OF ModePop PROMPT "Input Screens"

ON SELECTION BAR 1 OF ModePop DO BrowseProc
ON SELECTION BAR 2 OF ModePop DO ModifyProc
  ACTIVATE POPUP ModePop
RETURN

PROCEDURE ExitProc
  SET BELL ON
  SET COLOR OF BOX TO W+/B

```

```
SET COLOR OF FIELDS TO W+/N
SET COLOR OF HIGHLIGHT TO RG+/W
SET COLOR OF INFORMATION TO BG+/B
SET COLOR OF MESSAGES TO W/B
SET COLOR OF NORMAL TO N+/BG
SET COLOR OF TITLE TO W+/BG
SET CONFIRM OFF
SET CURSOR ON
SET DELETED OFF
SET ESCAPE ON
SET EXACT OFF
SET LIBRARY TO
SET PROCEDURE TO
SET SAFETY ON
SET SCOREBOARD ON
SET STATUS ON
SET TALK ON
DO CASE
  CASE BAR() = 1
    DEACTIVATE MENU
  CASE BAR() = 2
    QUIT
ENDCASE
RETURN
```

```
* Program: importmenu.prg (Import Menu Program)
* Date: 5/17/95
* Application: dBASE IV for DOS

* Main
  IF .NOT. (CanModify)
    DO ModifyAccess
  ENDIF

  IF (CanModify)
    DEFINE POPUP EIPop FROM BAR(),35
      DEFINE BAR 1 OF EIPop PROMPT "USGS Daily Values (DV)";
        MESSAGE "EarthInfo or USGS Card Record Format"
      DEFINE BAR 2 OF EIPop PROMPT "USGS Quality of Water (QW)";
        MESSAGE "EarthInfo or USGS Card Record Format"
      DEFINE BAR 3 OF EIPop PROMPT "NCDC Summary of the Day (SD)";
        MESSAGE "EarthInfo dBASE Format"
      DEFINE BAR 4 OF EIPop PROMPT "ASCII";
        MESSAGE "Comma/Quote Delimited"
    ON SELECTION BAR 1 OF EIPop DO dvimport
    ON SELECTION BAR 2 OF EIPop DO qwimport
    ON SELECTION BAR 3 OF EIPop DO sdimport
    ON SELECTION BAR 4 OF EIPop DO cqimport
    ACTIVATE POPUP EIPop
  ENDIF
```

```

* Program: precqry.prg
* Date: 9/28/95
* Application: dBASE IV for DOS

* Description:
*   precqry.prg queries the climate.dbf file for a user defined SiteID, with a
*   specified start and end year. The program generates a file of monthly
*   precipitation values with the following structure:
*     WATER_YEAR OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP
*     [Start Year]
*     .
*     .
*     .
*     [End Year]
*   The field names (across the top) are the months for the user defined
*   water year. The water year values consist of a number representing a
*   value for each month of the water year. The output is a database file
*   that can be exported to a spreadsheet for analysis.

* Initialization:
*   Global Variables
    PUBLIC crtddFile, m_siteId, m_siteName, firstYear, lastYear
    PUBLIC startDate, endDate
CLOSE DATABASES

crtddFile = .F.

DO UserInput
DO WaitMssg WITH "Querying"
DO BldStrct
DO IdWtrYrs
DO DataQry
DO ClrWait
IF (crtddFile) = .T.
  DO Mssg WITH UPPER(RTRIM(OutputName))+ " created", 24
  AnyKey = INKEY(0)
ENDIF

CLOSE DATABASES

RETURN

*****
* Functions & Procedures:

PROCEDURE UserInput

  *> Initialize input variables to blanks
  outputName = SPACE(50)
  m_siteId = SPACE(15)
  m_siteName = SPACE(50)
  firstYear = SPACE(4)
  lastYear = SPACE(4)

  *> Define and display input window
  @24,0 CLEAR TO 24,79
  @24,25 SAY "Please enter query information" COLOR W+/B
  DEFINE WINDOW InputWin FROM 9,13 TO 16,65 NONE COLOR W+/B, W+/N
  ACTIVATE WINDOW InputWin
  SET CURSOR ON
  @0,1 TO 7,51 DOUBLE COLOR W+/B
  @0,11 SAY " Precipitation Query Information " COLOR W+/B
  @2,4 SAY "           Site ID:"
  @2,23 GET m_siteId
  @3,4 SAY "Local #/Site Name:"
  @3,23 GET m_siteName FUNCTION "S25"
  @4,4 SAY " First Water Year:"
  @4,23 GET firstYear
  @5,4 SAY " Last Water Year:"
  @5,23 GET lastYear
  READ
  SET CURSOR OFF

```

```

DEACTIVATE WINDOW InputWin
@24,0 CLEAR TO 24,79

DO OutputFile
RETURN

PROCEDURE BldStrct
USE precqry IN 1  && Empty precqry structure
COPY STRUCTURE TO &OutputName  && Create user defined output file structure
USE &OutputName IN 1

yrCounter = VAL(firstYear)
DO WHILE yrCounter <= VAL(lastYear)
    APPEND BLANK
    REPLACE WATER_YEAR WITH STR(yrCounter)
    yrCounter = yrCounter + 1
ENDDO
RETURN

PROCEDURE IdWtrYrs
startDate = STR(VAL(firstYear) - 1,4) + "1001"
endDate = lastYear + "0930"
RETURN

PROCEDURE DataQry
USE climate IN 2
SELECT 2

SET FILTER TO SITEID = m_siteId .AND. ;
           SITENAME = m_siteName .AND. ;
           DATE >= startDate .AND. ;
           DATE <= endDate

GO TOP
DO WHILE .NOT. EOF()
    IF (PRECIP <> 9998 .AND. PRECIP <> -999999)
        DateVal = CTOD(SUBSTR(DATE,5,2)+"."+RIGHT(DATE,2)+"."+LEFT(DATE,4))
        CurrentMonth = LEFT(CMONTH(DateVal),3)
        CurrentYr = VAL(LEFT(DATE,4))
        CurrentVal = PRECIP

        SELECT 1
        GO (CurrentYr - VAL(firstYear) + 1)
        IF (ISBLANK(&CurrentMonth))
            REPLACE &CurrentMonth WITH CurrentVal
        ELSE
            REPLACE &CurrentMonth WITH &CurrentMonth+CurrentVal
        ENDIF
        SELECT 2
    ENDIF
    SKIP
ENDDO
crtdFile = .T.
RETURN

```

```

* Program: qwimport.prg
* Date: 7/26/95
* Application: dBASE IV for DOS

* Description:
*   qwimport.prg imports a EarthInfo USGS Quality of Water, exported Card
*   (DAILY) format file, into HBase.  Files that are updated are the sitefile
*   and the wtrqual file.  Records that duplicate pre-existing data over
*   write the pre-existing data.

* Initialization:
  PUBLIC crdCntr, prcssdRay, prmtr
  PUBLIC m_card, m_comments, m_date, m_labName, m_siteId, m_siteName
  PUBLIC m_srcAgency, m_time

* Constants:
  CARRAYSIZE = 10

* Arrays:
  PUBLIC ARRAY CardArray[CARRAYSIZE]

* Main:
  CLOSE DATABASES

  USE c:\hbase\sitefile
  SitRaySize = FLDCOUNT()
  DECLARE SitArray[SitRaySize]  && Array for the sitefile fields

  USE c:\hbase\wtrqual
  QuaRaySize = FLDCOUNT()
  DECLARE QuaArray[QuaRaySize]  && Array for the wtrqual fields

  CLOSE DATABASES

  DO InputFile
  DO WaitMssg WITH "Importing"
  USE sitefile ORDER main IN 2
  USE wtrqual ORDER main IN 5

  m_FileHndl = FOPEN((InputFileName), "r")

  * Process input file
  DO WHILE .NOT. FEOF(m_FileHndl)

    m_recCntr = 0
    m_card = FGETS(m_FileHndl)

    * Determine Card type and process
    m_cardType = SUBSTR(m_card, 1, 1)
    DO CASE
      CASE m_cardType = "N"
        DO NCard
      CASE m_cardType = "H"
        DO HCard
      CASE m_cardType = "I"
        DO ICard
      CASE m_cardType = "*"
        DO SCard
    ENDCASE
    ENDDO

    DO ClrWait
    DO AnyKey
    CLOSE DATABASES

    m_FileHndl = FCLOSE(m_FileHndl)
  ****
* Functions & Procedures:

```

```

PROCEDURE HCard  && Station Header Card
*   Reset array values
DO ArrayReset WITH "SitArray", SitRaySize
DO ArrayReset WITH "QuaArray", QuaRaySize

SitArray[4] = SPACE(4)  && EarthInfo ID
SitArray[5] = SUBSTR(m_card, 17, 6)  && Latitude
SitArray[6] = SUBSTR(m_card, 23, 7)  && Longitude
SitArray[12] = SUBSTR(m_card, 32, 2) + SUBSTR(m_card, 36, 3)  && FIPS Code + County Code
SitArray[15] = IdSiteCode(SUBSTR(m_card, 39, 2))  && Site Code
SitArray[11] = SUBSTR(m_card, 41, 8)  && Hydro Unit Code
SitArray[20] = VAL(SUBSTR(m_card, 49, 7))  && Drainage Area
SitArray[21] = VAL(SUBSTR(m_card, 56, 7))  && Contributing Area
SitArray[24] = VAL(SUBSTR(m_card, 63, 8))  && Gage Datum
SitArray[30] = VAL(SUBSTR(m_card, 71, 9))  && Well Depth
RETURN

PROCEDURE NCard  && Station Name Card
  SitArray[1] = AddIndxSps("SiteID", SUBSTR(m_card, 2, 15))  && Station ID
  m_siteId = SitArray[1]
  SitArray[2] = AddIndxSps("SiteName", SUBSTR(m_card, 17, 48))  && Station Name
  m_siteName = SitArray[2]
  SitArray[28] = SUBSTR(m_card, 65, 8)  && Geo Unit Code
  SitArray[27] = IdAquiferType(SUBSTR(m_card, 73, 1))  && Aquifer type
RETURN

PROCEDURE 1Card  && Analysis Card
DO ResetMVars

  m_date = SUBSTR(m_card, 20, 2) + SUBSTR(m_card, 22, 2) + "19" + SUBSTR(m_card, 18, 2)  && Date
  m_time = SUBSTR(m_card, 24, 4)  && Time
  m_comments = IdSmplTyp(SUBSTR(m_card, 47, 1))  && Comments (Sample Type Code)

  prmtr = ""

  crdCntr = 0  && Reset counter for the CardArray
DO ArrayReset WITH "CardArray", CARRAYSIZE

  prcssdRay = .F.
RETURN

PROCEDURE SCard  && Parameter Description Card
DO CASE
  CASE prcssdRay = .F.
    *   Read SCards (*), into CardArray, while prmtrNum <= 28
      prmtrNum = SUBSTR(m_card, 3, 5)
      DO WHILE m_cardType = "*" .AND. VAL(prmtrNum) <= 28
        crdCntr = crdCntr + 1
        CardArray[crdCntr] = m_card

        m_recCntr = m_recCntr + 1
        @24,0 CLEAR TO 24,40
        @24,0 SAY m_recCntr

        m_card = FGETS(m_FileHndl)
        m_cardType = SUBSTR(m_card, 1, 1)
        prmtrNum = SUBSTR(m_card, 3, 5)
      ENDDO

    *   Search CardArray and extract pseudo codes for 00027 and 00028
      srchCntr = 1
      DO WHILE srchCntr <= crdCntr
        srchSA = "00027"$CardArray[srchCntr]
        srchLN = "00028"$CardArray[srchCntr]

        IF srchSA = .T.
          psdCode = PsdXtrct("00027")

          m_srcAgency = IDSrcAgency(&psdCode)  && Id SrcAgency
        ENDIF
        IF srchLN = .T.
          psdCode = PsdXtrct("00028")
        ENDIF
      ENDDO
  ENDIF
ENDCASE

```

```

        m_labName = IdPsdValue("00028", &psdCode)  && Id LabName
    ENDIF

        srchCntr = srchCntr + 1
    ENDDO

    SitArray[3] = m_srcAgency
    DO WriteSitefile

    *
    Process CardArray with memory variables
    rayCntr = 1
    DO WHILE rayCntr <= crdCntr
        DO PrmtrXtrct WITH CardArray[rayCntr]
        rayCntr = rayCntr + 1
    ENDDO

    prcssdRay = .T.

    IF m_cardType = "*"  && Process next m_card read after CardArray
        DO PrmtrXtrct WITH m_card
    ELSE
        DO CASE
            CASE m_cardType = "N"
                DO NCard
            CASE m_cardType = "H"
                DO HCard
            CASE m_cardType = "I"
                DO ICard
        ENDCASE
    ENDIF
    CASE prcssdRay = .T.
        Process SCard with memory variables
        DO PrmtrXtrct WITH m_card
    ENDCASE
    RETURN
*****
FUNCTION IdPsdValue  && Returns the pseudo code value when passed the;
parameter value and pseudo code
PARAMETERS prmtrVal, psdCode

DECLARE PsdRay[100]
m_rayCntr = 0

m_PsdHndl = FOPEN("pseudo.txt", "r")  && Open pseudo.txt for reading

* Read parameter values into array
m_psdCard = FGETS(m_PsdHndl)  && Read first record

DO WHILE SUBSTR(m_psdCard, 1, 1) <> CHR(12)
    m_frst5Chr = SUBSTR(m_psdCard, 1, 5)
    IF VAL(m_frst5Chr) <> 0
        m_rayCntr = m_rayCntr + 1
        PsdRay[m_rayCntr] = m_frst5Chr

        IF m_frst5Chr = prmtrVal
            m_raySrch = m_rayCntr
        ENDIF
    ENDIF

    m_psdCard = FGETS(m_PsdHndl)  && Read another record
ENDDO

* Read records until the parameter value is found
DO WHILE SUBSTR(m_psdCard, 1, 5) <> PsdRay[m_raySrch + 1]
    m_srchVal = CHR(34) + "*" + LTRIM(STR(psdCode)) + "*" + CHR(34)
    m_found = LIKE(&m_srchVal, m_psdCard)
    IF (m_found)
        m_len = LEN(m_psdCard)
        psdValue = SUBSTR(m_psdCard, 18, m_len - 17)
        EXIT
    ELSE
        psdValue = ""
    ENDIF
ENDIF

```

```

        m_psdCard = FGETS(m_PsdHndl)    && Read next record
        ENDIF
    ENDDO

    m_PsdHndl = FCLOSE(m_PsdHndl)    && Close pseuod.txt file
RETURN psdValue

FUNCTION IdQACode
PARAMETERS prmtr

    m_at = AT(":", Prmtr) + 1
    QACode = SUBSTR(prmtr, m_at, 1)
    DO CASE
        CASE QACode = "1"
            QAVal = "NON-USGS LAB VALUE - APPROVED FOR TRANSFER TO EPA STORET"
        CASE QACode = "2"
            QAVal = "NON-USGS FIELD VALUE - APPROVED FOR TRANSFER TO EPA STORET"
        CASE QACode = "3"
            QAVal = "USGS LAB VALUE - APPROVED FOR TRANSFER TO EPA STORET"
        CASE QACode = "4"
            QAVal = "USGS FIELD VALUE - APPROVED FOR TRANSFER TO EPA STORET"
        CASE QACode = "6"
            QAVal = "NON-USGS LAB VALUE - PROPRIETARY (WRITTEN PERMISSION)"
        CASE QACode = "7"
            QAVal = "NON-USGS FIELD VALUE - PROPRIETARY (WRITTEN PERMISSION)"
        CASE QACode = "8"
            QAVal = "USGS LAB VALUE - PROPRIETARY (WRITTEN PERMISSION)"
        CASE QACode = "9"
            QAVal = "USGS FIELD VALUE - PROPRIETARY (WRITTEN PERMISSION)"
        CASE QACode = "A"
            QAVal = "NOT REPORTED"
        CASE QACode = "B"
            QAVal = "NON-USGS LAB VALUE - FAILED EDIT"
        CASE QACode = "C"
            QAVal = "NON-USGS FIELD VALUE - FAILED EDIT"
        CASE QACode = "D"
            QAVal = "USGS LAB VALUE - FAILED EDIT"
        CASE QACode = "E"
            QAVal = "USGS FIELD VALUE - FAILED EDIT"
        CASE QACode = "F"
            QAVal = "NON-USGS LAB VALUE - IN REVIEW"
        CASE QACode = "G"
            QAVal = "NON-USGS FIELD VALUE - IN REVIEW"
        CASE QACode = "H"
            QAVal = "USGS LAB VALUE - IN REVIEW"
        CASE QACode = "I"
            QAVal = "USGS FIELD VALUE - IN REVIEW"
        CASE QACode = " "
            QAVal = ""
    ENDCASE
RETURN QAVal

FUNCTION IdSrcAgency
PARAMETERS psdCode

    DO CASE
        CASE psdCode = 520
            psdValue = "SCS"
        CASE psdCode = 596
            psdValue = "USFS"
        CASE psdCode = 648
            psdValue = "NOAA"
        CASE psdCode = 1004
            psdValue = "BLM"
        CASE psdCode = 1008
            psdValue = "BIA"
        CASE psdCode = 1028
            psdValue = "USGS"
        CASE psdCode = 1053
            psdValue = "NPS"
        CASE psdCode = 2000
            psdValue = "EPA"

```

```

CASE psdCode = 9704
    psdValue = "AZ014"
CASE psdCode = 9735
    psdValue = "NM"
OTHERWISE
    psdValue = ""
ENDCASE
RETURN psdValue

PROCEDURE PrcssPrmtr
    prmtrNum = SUBSTR(prmtr, 2, 5)

    DO CASE
        CASE prmtrNum = "00027"
        CASE prmtrNum = "00028"
        OTHERWISE
            QuaArray[1] = m_siteId
            QuaArray[2] = m_siteName
            QuaArray[3] = m_date
            QuaArray[4] = m_time
            QuaArray[5] = SUBSTR(Prmtr, 2, 5)
            QuaArray[6] = RmrkXtrct(prmtr)
            QuaArray[7] = ValXtrct(prmtr)
            QuaArray[11] = m_labName
            QuaArray[14] = IdqACode(prmtr)
            QuaArray[15] = m_comments
            QuaArray[16] = m_srcAgency

            DO WriteDBFRec WITH "WTRQUAL"
        ENDCASE
    RETURN

PROCEDURE PrmtrXtrct  && Breaks ups the parameters into the PrmtrArray
PARAMETERS card

    m_len = LEN(card)

    chrCntr = 1
    DO WHILE chrCntr <= m_len
        prmtrChr = SUBSTR(card, chrCntr, 1)

        DO CASE
            CASE prmtrChr = ","
                DO PrcssPrmtr
                prmtr = ""
            CASE chrCntr = m_len
                prmtr = prmtr + prmtrChr
                DO PrcssPrmtr
                prmtr = ""
            CASE prmtrChr = "**"
            OTHERWISE
                prmtr = prmtr + prmtrChr
        ENDCASE

        chrCntr = chrCntr + 1
    ENDDO
RETURN

FUNCTION PsdXtrct  && Extracts the pseudo code for given parameter number
PARAMETERS prmtrNum

    m_at = AT(prmtrNum, CardArray[srchCntr])
    prmtrVal = ""
    chrCntr = m_at + 6
    chr = SUBSTR(CardArray[srchCntr], chrCntr, 1)
    DO WHILE chr <> "("
        prmtrVal = prmtrVal + chr
        chrCntr = chrCntr + 1
        chr = SUBSTR(CardArray[srchCntr], chrCntr, 1)
    ENDDO
RETURN prmtrVal

```

```
PROCEDURE ResetMVars
    m_comments = ""
    m_date = ""
    m_labName = ""
    m_srcAgency = ""
    m_time = ""
RETURN

FUNCTION RmrkXtrct
    PARAMETERS prmtr

    m_at = AT(":", prmtr) + 1
    m_atC = AT(":", prmtr)
    rmrkCode = SUBSTR(prmtr, m_at, m_atC - m_at)
RETURN rmrkCode

FUNCTION ValXtrct
    PARAMETERS prmtr

    m_at = AT("=", prmtr) + 1
    m_atP = AT(":", prmtr)
    prmtrVal = SUBSTR(prmtr, m_at, m_atP - m_at)
RETURN prmtrVal
```

```

* Program: Reports.prg
* Version: dBASE IV Version 2
* Date: 10/25/94

* Main
ReportNum = BAR()

DO InputFile

SET CONSOLE OFF
SET VIEW TO STR(ReportNum)
DO WaitMssg WITH "Building report"
_pdriver = _pdriver
_pdriver = "Ascii.pr2"
REPORT FORM STR(ReportNum) TO FILE "HBaseRpt.$$$"
_pdriver = pdriver
SET CONSOLE ON
DO ClrWait
CLOSE DATABASES
MODIFY FILE "HBaseRpt.$$$"

DO DestinaProc

* Display report to user destination
DestinaNum = BAR()
DO CASE
    CASE DestinaNum = 1
        DO ToPrinter
    CASE DestinaNum = 2
        DO ToFile
ENDCASE

PROCEDURE InputFile
* Allow user input of external filename
InputFileName = SPACE(12)
@24,0 CLEAR TO 24,79
@24,24 SAY "Press Enter for complete report" COLOR W+/B
DEFINE WINDOW InNameWin FROM 12,21 TO 17,55 NONE COLOR W+/B, W+/N
ACTIVATE WINDOW InNameWin
SET CURSOR ON
@0,1 TO 5,33 DOUBLE COLOR W+/B
@0,4 SAY " Input Filename (Optional) " COLOR W+/B
@2,11 GET InputFileName
@4,4 SAY "Please enter input filename"
READ
* Check if input filename exists
IF InputFileName <> ""
    IF FILE(InputFileName) = .F.
        DO Mssg WITH "File not found", 24
        AnyKey = INKEY(0)
        DO ClrMssg
        DEACTIVATE WINDOW InNameWin
        DO InputFile
    ENDIF
    USE InputFileName
ENDIF
SET CURSOR OFF
DEACTIVATE WINDOW InNameWin
RETURN

PROCEDURE DestinaProc
DEFINE POPUP DestinaPop FROM BAR(),62
    DEFINE BAR 1 OF DestinaPop PROMPT "Printer";
        MESSAGE "Please select report destination"
    DEFINE BAR 2 OF DestinaPop PROMPT "File";
        MESSAGE "Please select report destination"

    ON SELECTION POPUP DestinaPop RETURN
    ACTIVATE POPUP DestinaPop
RETURN

PROCEDURE ToPrinter

```

```

SET CONSOLE OFF
SET VIEW TO STR(ReportNum)
_pform = STR(ReportNum) + ".prf"
SET PRINTER TO LPT2
SET PRINTER ON
DO Mssg WITH "Check printer and press Enter", 24
AnyKey = INKEY(0)
DO ClrMssg
IF PRINTSTATUS()
  DO WaitMssg WITH "Printing to printer"
  REPORT FORM STR(ReportNum) NOEJECT TO PRINTER
ELSE
  DO Mssg WITH "Printer error"
  AnyKey = INKEY(0)
  DO ClrMssg
  DO ToPrinter
ENDIF
SET PRINTER OFF
SET PRINTER TO
SET CONSOLE ON
DO ClrWait
CLOSE DATABASES
DEACTIVATE POPUP
RETURN

PROCEDURE ToFile
OutputFileName = SPACE(12)
@24,0 CLEAR TO 24,79
DEFINE WINDOW OutNameWin FROM 12,21 TO 17,56 NONE COLOR W+/B, W+/N
ACTIVATE WINDOW OutNameWin
SET CURSOR ON
@0,1 TO 5,34 DOUBLE COLOR W+/B
@0,9 SAY " Output filename " COLOR W+/B
@2,12 GET OutputFileName
@4,4 SAY "Please enter output filename"
READ
* Check if output filename already exists or is blank
IF OutputFileName <> ""
  IF FILE(OutputFileName) = .T.
    DO Mssg WITH "File already exists", 24
    AnyKey = INKEY(0)
    DO ClrMssg
    SET CURSOR OFF
    DEACTIVATE WINDOW OutNameWin
    DO ToFile
  ENDIF
ELSE
  DO Mssg WITH "Invalid filename", 24
  AnyKey = INKEY(0)
  DO ClrMssg
  SET CURSOR OFF
  DEACTIVATE WINDOW OutNameWin
  DO ToFile
ENDIF
DEACTIVATE WINDOW OutNameWin

DO WaitMssg WITH "Printing to file"
* SET CONSOLE OFF
* SET PRINTER OFF
* SET VIEW TO STR(ReportNum)
* pdriver = _pdriver
* _pdriver = "Ascii.pr2"
* REPORT FORM STR(ReportNum) TO FILE &OutputFileName
* _pdriver = pdriver
* SET CONSOLE ON
COPY FILE HBaseRpt.$$$ TO &OutputFileName
DO ClrWait
CLOSE DATABASES
DEACTIVATE POPUP
RETURN

```

```

* Program: sdimport.prg (Summary of the day import)
* Date: 5/15/95
* Application: dBASE IV for DOS

* Program Description:
*   sdimport.prg imports a EarthInfo NCDC Summary of the Day, exported dBASE
*   (DAILY) format file, into the HBase. The program breaks up the relevant
*   sitefile and climate data into the separate HBase database files.
*   Records that duplicate pre-existing data are written to a violation file
*   (violatio.dbf).

* Main:
    CLOSE DATABASES

    USE c:\hbase\sitefile
*   INDEX ON SITEID + SITENAME + SRCAGENCY + EISTA_ID TAG main
    DECLARE SitArray[FLDCOUNT()]
    DO InitArrayFieldSizes WITH "sitefile"

    USE c:\hbase\climate
*   INDEX ON SITEID + SITENAME + DATE + SRCAGENCY + EISTA_ID TAG main
    DECLARE CliArray[FLDCOUNT()]
    DO InitArrayFieldSizes WITH "climate"

    CLOSE DATABASES

    DO InputFile
    DO WaitMssg WITH "Importing"
    USE (InputFileName) IN 1
    COPY STRUCTURE TO c:\hbase\violatio
    USE violatio IN 4
    DECLARE VioArray[FLDCOUNT()]
    USE sitefile ORDER main IN 2
    USE climate ORDER main IN 3

    SCAN
*   Reset SitArray values
    DO ArrayReset WITH "SitArray", 29

*   Determine Sitefile.dbf data
    SitArray[1] = SPACE(15)
    SitArray[2] = STANAME + SPACE(27)
    SitArray[3] = "NCDC "
    SitArray[4] = LTRIM(STR(STA_ID))
    m_Latitude = RemoveAlpha(LATITUDE)
    SitArray[5] = m_Latitude
    m_Longitude = RemoveAlpha(LONGITUDE)
    SitArray[6] = m_Longitude
    SitArray[13] = ELEVATION
    SitArray[15] = "CLIMATE"

    DO WriteSitefile

*   Process climate data
    m_Parameter = PARAMETER
    dayCounter = 1
    DO WHILE dayCounter <= 31
*   Reset CliArray values
    DO ArrayReset WITH "CliArray", 11

*   Determine Climate.dbf data
    CliArray[1] = SPACE(15)
    CliArray[2] = STANAME + SPACE(27)
    m_Month = MonthConvert(MONTH)
    m_Day = ZeroAdder(str(dayCounter), 2)
    m_temp = STR(YEAR) + m_Month + m_Day
    m_Date = STR(&m_temp, 8, 0)
    CliArray[3] = m_Date
    CliArray[4] = "NCDC "
    CliArray[5] = LTRIM(STR(STA_ID))

*   Determine value to process

```

```

DO ParameterFill WITH m_Parameter, m_Day
DO WriteClimate

    dayCounter = dayCounter + 1
ENDDO
ENDSCAN

DO ClrWait
DO AnyKey
CLOSE DATABASES

* Functions & Procedures:
FUNCTION MonthConvert
PARAMETERS month

DO CASE
CASE month = "JAN"
    numMonth = "01"
CASE month = "FEB"
    numMonth = "02"
CASE month = "MAR"
    numMonth = "03"
CASE month = "APR"
    numMonth = "04"
CASE month = "MAY"
    numMonth = "05"
CASE month = "JUN"
    numMonth = "06"
CASE month = "JUL"
    numMonth = "07"
CASE month = "AUG"
    numMonth = "08"
CASE month = "SEP"
    numMonth = "09"
CASE month = "OCT"
    numMonth = "10"
CASE month = "NOV"
    numMonth = "11"
CASE month = "DEC"
    numMonth = "12"
ENDCASE
RETURN numMonth

PROCEDURE ParameterFill
PARAMETERS Prmtr, twoDigitDay

DO CASE
CASE Prmtr = "TMax"
    temp = "DAY_" + twoDigitDay
    CliArray[8] = &temp
CASE Prmtr = "TMin"
    temp = "DAY_" + twoDigitDay
    CliArray[9] = &temp
CASE Prmtr = "Snow"
    temp = "DAY_" + twoDigitDay
    CliArray[7] = &temp
CASE Prmtr = "Prcp"
    temp = "DAY_" + twoDigitDay
    CliArray[6] = &temp
CASE Prmtr = "Evap"
    temp = "DAY_" + twoDigitDay
    CliArray[11] = &temp
ENDCASE
RETURN

PROCEDURE VioArrayFill
PRIVATE counter, m_FieldName

SELECT 1
counter = 1
DO WHILE counter <= 53
    m_FieldName = FIELD(counter)

```

```

        VioArray[counter] = &m_FieldName
        counter = counter + 1
    ENDDO
RETURN

PROCEDURE WriteClimate
    SELECT 3
    * Search for duplicate index fields
    indexFlds = CliArray[1] + CliArray[2] + CliArray[3] + CliArray[4] + CliArray[5]
    SEEK indexFlds
    IF .NOT. FOUND()
        APPEND FROM ARRAY CliArray
    ELSE
        DO CASE
            CASE m_Parameter = "TMax"
                IF MaxTemp = 0
                    REPLACE MaxTemp WITH CliArray[8]
                ELSE
                    DO VioArrayFill
                    SELECT 4
                    APPEND FROM ARRAY VioArray
                ENDIF
            CASE m_Parameter = "TMin"
                IF MinTemp = 0
                    REPLACE MinTemp WITH CliArray[9]
                ELSE
                    DO VioArrayFill
                    SELECT 4
                    APPEND FROM ARRAY VioArray
                ENDIF
            CASE m_Parameter = "Snow"
                IF SnowFall = 0
                    REPLACE SnowFall WITH CliArray[7]
                ELSE
                    DO VioArrayFill
                    SELECT 4
                    APPEND FROM ARRAY VioArray
                ENDIF
            CASE m_Parameter = "Prcp"
                IF Precip = 0
                    REPLACE Precip WITH CliArray[6]
                ELSE
                    DO VioArrayFill
                    SELECT 4
                    APPEND FROM ARRAY VioArray
                ENDIF
            CASE m_Parameter = "Evap"
                IF EvapRate = 0
                    REPLACE EvapRate WITH CliArray[11]
                ELSE
                    DO VioArrayFill
                    SELECT 4
                    APPEND FROM ARRAY VioArray
                ENDIF
        ENDCASE
    ENDIF

    SELECT 1
RETURN

```

```

* Program: strmqry.prg
* Date: 8/18/95
* Application: dBASE IV for DOS

* Description:
*   strmqry.prg queries the strmflw.dbf file for a user defined SiteID, with a
*   a specified start and end date. The program generates a file of daily
*   mean discharge values with the following structure:
*     DAY OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP
*     1
*     .
*     .
*     .
*     31
*   The field names (across the top) are the months for the user defined
*   water year. The day values consist of a number representing a value for
*   each day of the month. The output is a database file that can be
*   exported to a spreadsheet for analysis.

* Initialization:
* Global Variables
  PUBLIC crtDFile, m_siteId, m_siteName, waterYear
  PUBLIC startDate, endDate

  crtDFile = .F.

* Constants:

* Arrays:

* Main:
  CLOSE DATABASES

  DO UserInput
  DO OutputFile  && Asks the user for a output file name: Returns OutputName
  DO WaitMssg WITH "Querying"
  DO BldStrct
  DO IdWtrYr
  DO DataQry
  DO ClrWait
  IF (crtDfile) = .T.
    DO Mssg WITH UPPER(RTRIM(OutputName))+ " created", 24
    AnyKey = INKEY(0)
  ENDIF

  CLOSE DATABASES

  RETURN
*****
```

---

```

* Functions & Procedures:
  PROCEDURE UserInput
*   Gets SiteId, SiteName and Water Year information from the user

*   Initialize memory variables
  outputName = SPACE(50)
  m_siteId = SPACE(15)
  m_siteName = SPACE(50)
  waterYear = SPACE(4)

*   Define and display input window
  @24,0 CLEAR TO 24,79
  @24,25 SAY "Please enter query information" COLOR W+/B
  DEFINE WINDOW InputWin FROM 9,13 TO 15,65 NONE COLOR W+/B, W+/N
  ACTIVATE WINDOW InputWin
  SET CURSOR ON
  @0,1 TO 6,51 DOUBLE COLOR W+/B
  @0,11 SAY " Streamflow Query Information " COLOR W+/B
  @2,4 SAY "           Site ID:"
  @2,23 GET m_siteId
  @3,4 SAY "Local #/Site Name:"
  @3,23 GET m_siteName FUNCTION "S25"
```

```

@4,4 SAY "      Water year:"  

@4,23 GET waterYear  

READ  

SET CURSOR OFF  

DEACTIVATE WINDOW InputWin  

@24,0 CLEAR TO 24,79  

RETURN

PROCEDURE BldStrct  

  USE strmtemp IN 1  && Empty strmqry structure  

  COPY STRUCTURE TO &OutputName  && Create user defined output file structure  

  USE &OutputName IN 1

  dayCounter = 1  

  DO WHILE dayCounter <= 31  

    APPEND BLANK  

    REPLACE DAY WITH STR(dayCounter)  

    dayCounter = dayCounter + 1
  ENDDO
RETURN

PROCEDURE IdWtrYr  

  startDate = STR(VAL(waterYear) - 1,4) + "1001"  

  endDate = waterYear + "0930"  

RETURN

PROCEDURE DataQry  

  USE strmflw IN 2  

  SELECT 2

  SET FILTER TO SITEID = m_siteId .AND.;  

    SITENAME = m_siteName .AND.;  

    DATE >= startDate .AND.;  

    DATE <= endDate

  GO TOP
  DO WHILE .NOT. EOF()
    DateVal = CTOD(SUBSTR(DATE,5,2)+"//"+RIGHT(DATE,2)+"//"+LEFT(DATE,4))
    CurrentMonth = LEFT(CMONTH(DateVal),3)
    CurrentDay = VAL(RIGHT(DATE,2))
    CurrentVal = MEANDAYDIS

    SELECT 1
    GO CurrentDay
    REPLACE &CurrentMonth WITH CurrentVal
    SELECT 2
    SKIP
  ENDDO
  crtfdFile = .T.
RETURN

```