The Electronic Deliverable Format (EDF)

Version 1.2b

DATA DICTIONARY

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Prepared by

ArsenaultLegg, Inc.
9600 Main Tree Drive
Anchorage, Alaska 99516
Phone: (907) 346-3827
Fax: (907) 346-1577
E-mail: *information@arsenaultlegg.com*
Web site: *www.arsenaultlegg.com*

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Introduction

This *Data Dictionary* provides the details and formats of each field in the Electronic Deliverable Format (EDF), Version 1.2b, January 2001, structure. The document is organized alphabetically by field name and includes the following information:

Definition: A brief definition of the data field.

Attributes: Field Type and Size (defined in Field Attributes below)

Included in Tables: List of the tables in which the field exists in EDF, where "SAMPLE" represents the EDFSAMP table, "TEST" is EDFTEST, "RESULTS" is EDFRES, "QC" is EDFQC, and "CL" is EDFCL.

Guidelines & Restrictions:

- Details and special instructions for appropriate entry into the field.

Acceptable *[FIELDNAME]* Values:

CODE	DESCRIPTION
A table listing available codes for a valid value field.	

Field Attributes

Attributes are defined as follows:

- C7 is a 7-character field (alphanumeric).
- N5 is a numeric field with a total of 5 spaces available for numbers and decimals, with no restriction on the number of digits to the right of the decimal point other than the overall field size (e.g., 12345 or 123.4 or 1.234).
- D8 is a date field with the expected format of YYYYMMDD (e.g., 20010122).
- L1 is a logic field with the expected values of "T" (true) or "F" (false).
- The Time format is 4 digits using the military 24-hour clock without the colon, and ranging from 0000 to 2359 (e.g., 1630).

Valid Value Fields

Various data fields in the EDF require entry of valid values (codes, also known as "VVLs"). Valid values are built-in codes that the format requires for certain fields, such as contractor names, matrices, and laboratories. The reason for using specific values for these fields is to standardize the data entry, to ensure data consistency and prevent errors. Freely entered data might contain extra spaces, commas, or dashes that would make meaningful data manipulation and thorough or accurate data searches impossible.

Most valid values are abbreviations of common or proper names; hence selecting the correct code is generally straightforward. However, some valid values are also used to link data properly (e.g., *QCCODE* is used to help link a laboratory replicate ["LR1"] to its original field sample ["CS"]). This *Data Dictionary* provides lists of the valid value codes and their definitions for each valid value field in the EDF.

New valid value codes can be requested Monday through Friday between 9:00 a.m. and 6:00 p.m. Pacific Standard Time through the office of ArsenaultLegg, Inc., by phone (907) 346-3827, fax (907) 346-1577, or e-mail *information@arsenaultlegg.com*. Please allow 72 hours for code generation.

Summary of Data Elements

Field Name	In Table(s)	Attrb	Null Allowed	VVL	Descr. Name	Definition	Guidelines & Restrictions
ANADATE	TEST RESULTS	D8			Analysis Date	The date the sample (aliquot, extract, digest and/or leachate) is analyzed.	Must be in the format YYYYMMDD. Must be later than or equal to *EXTDATE*, *RECDATE*, *LOGDATE*, and earlier than or equal to *REP_DATE*.
ANMCODE	TEST RESULTS QC CL	C7		x	Analytical Method	The code identifying the method of analysis.	Must contain a valid value.
APPRVD	TEST	C3	x		Approved By	The initials of the individual approving the laboratory report.	No entry for laboratory-generated QC and non-client samples.
BASIS	TEST	C1		x	Basis	The code used to distinguish whether a sample is reported as dry or wet weight, filtered or not filtered.	Must contain a valid value. Valid values for soil samples are "W" or "D" or leachate codes; for water samples "F," "L," or "N."
CLCODE	CL	C6		x	Control Limit Type	The code identifying the type of quality control limit.	Must contain a valid value.
CLREVDATE	RESULTS CL	D8	x		Control Limit Revision Date	The date a control limit is established.	Must be in the format YYYYMMDD. No entry when *QCCODE* is "CS," "NC," "LB," or "RS," and non-spiked parameters (except when *PARVQ* is "SU" or "IN").
CNTSHNUM	SAMPLE	C12			Control Sheet Number	The administratively-assigned identification used to track contracts.	Entry of "NA" is acceptable.
COC_MATRIX	SAMPLE	C2	x	x	COC Matrix	The code identifying the sample matrix as noted on the chain-of-custody (e.g., water, soil, etc.).	Optional. This field provides a link with the COC EDD from EDMS2000. It represents the sample matrix as identified by the field organization, and must contain a valid value.

Field Name	In Table(s)	Attrb	Null Allowed	VVL	Descr. Name	Definition	Guidelines & Restrictions
COCNUM	SAMPLE	C16	x		Chain-of-Custody Number	The number assigned to the chain-of-custody.	No entry for laboratory-generated QC and non-client samples.
DILFAC	RESULTS	N10			Dilution Factor	The numeric factor indicating the level of sample dilution.	Must be greater than zero. (Formerly in the format N10,3 in EDF 1.2a.)
DQO_ID	SAMPLE	C25	x		Data Quality Objectives ID	The unique identifier representing the data quality objectives.	Optional. This field provides a link with the COC EDD from EDMS2000.
EXLABLOT	TEST	C10	x		OBSOLETE	OBSOLETE	OBSOLETE
EXMCODE	TEST RESULTS CL	C7		x	Preparation Method	The code identifying the method of preparation.	Must contain a valid value. If no preparation performed enter "NONE;" if preparation method is included in analysis method enter "METHOD."
EXPECTED	QC	N14	x		Expected Parameter Value	The target result for a quality control sample or surrogate spike.	No entry when *QCCODE* is "CS," "NC," "LB," or "RS." For matrix spikes, this value is the amount spiked plus the reference sample *PARVAL*. Enter "100" when *UNITS* are "PERCENT." (Formerly in the format N14,4 in EDF 1.2a.)
EXTDATE	TEST RESULTS	D8			Preparation Date	The date that a sample is prepared for analysis.	Must be in the format YYYYMMDD. If no preparation performed, enter *ANADATE*.
LAB_METH_GRP	TEST RESULTS QC CL	C25	x		Lab Method Group	The unique identifier for a group of methods as defined by the laboratory.	Optional. This field provides a link with the EDMS2000.
LAB_REPNO	TEST	C20	x		Laboratory Report Number	The unique identifier for the laboratory report, assigned by the laboratory.	No entry for laboratory-generated QC and non-client samples.

Field Name	In Table(s)	Attrb	Null Allowed	VVL	Descr. Name	Definition	Guidelines & Restrictions
LABCODE	SAMPLE TEST RESULTS QC CL	C4		x	Laboratory	The code identifying the laboratory that analyzes the sample.	This field represents the laboratory that received the sample and is responsible for producing the electronic deliverable, and must contain a valid value.
LABDL	RESULTS	N9			Method Detection Limit	The laboratory-established method detection limit.	Enter zero when *UNITS* is "PERCENT" or *PARVQ* is "TI." Must be adjusted for dilution. Must be greater than or equal to zero. (Formerly in the format N9,4 in EDF 1.2a.)
LABLOTCTL	TEST QC	C10			Preparation Batch Number	The unique identifier for a preparation and handling batch.	Must uniquely define a group of samples prepared together.
LABQCID	QC	C12			Laboratory QC Sample ID	The unique identification number assigned to the sample by the laboratory.	This is equivalent to the *LABSAMPID*.
LABREFID	QC	C12	x		Laboratory Reference ID	The laboratory sample ID of the quality control reference sample.	This is the *LABSAMPID* of the reference sample. No entry unless *QCCODE* is "MS/SD" or "LR."
LABSAMPID	TEST RESULTS	C12			Laboratory Sample ID	The unique identification number assigned to the sample by the laboratory.	Must be unique.
LOCID	SAMPLE TEST	C10	x		Location ID	The unique identifier for the sample's location, as identified by the laboratory.	No entry for laboratory-generated QC and non-client samples.
LOGCODE	SAMPLE TEST	C4	x	x	Field Organization	The code identifying the company collecting the samples or performing field tests.	Must contain a valid value. No entry for laboratory-generated QC and non-client samples.

Field Name	In Table(s)	Attrb	Null Allowed	VVL	Descr. Name	Definition	Guidelines & Restrictions
LOGDATE	SAMPLE TEST	D8	x		Collection Date	The date a field sample is collected.	Must be in the format YYYYMMDD. No entry for laboratory-generated QC and non-client samples. Must be earlier than *RECDATE*, *EXTDATE*, *ANADATE*, and *REP_DATE*.
LOGTIME	SAMPLE TEST	C4	x		Collection Time	The time that a field sample is collected, recorded using 24-hour military time.	Must be a valid time between 0000 and 2359. No entry for laboratory-generated QC and non-client samples.
LOWERCL	CL	N4			Lower Control Limit	The lower control limit of a quality control criterion.	Must be an integer greater than or equal to zero and less than *UPPERCL*. Enter zero for precision limit.
MATRIX	SAMPLE TEST RESULTS QC CL	C2		x	Matrix	The code identifying the sample matrix as determined by the laboratory (e.g., water, soil, etc.).	This field represents the sample matrix as identified by the laboratory, and must contain a valid value.
METH_DESIGN_ID	SAMPLE TEST RESULTS QC CL	C25	x		Method Design ID	The unique identifier for the design of an analytical method.	Optional. This field provides a link with the COC EDD from EDMS2000.
MODPARLIST	TEST	L1			Modified Parameter List	A field indicating whether the parameter list of an analytical method has been modified.	Must enter "T" (true) or "F" (false) if a parameter from the method parameter list is not reported. The parameter list is not considered modified if extra parameters are reported.
NPDLWO	SAMPLE	C7			NPDL Work Order Number	A delivery order number associated with the contract.	Entry of "NA" is acceptable.
PARLABEL	RESULTS QC CL	C12		x	Parameter	The code or CAS number identifying the analyte (parameter).	Must contain a valid value.

Field Name	In Table(s)	Attrb	Null Allowed	VVL	Descr. Name	Definition	Guidelines & Restrictions
PARUN	RESULTS	N12	x		Parameter Uncertainty	The uncertainty of a measured value due to a measuring technique (expressed as plus or minus some value).	No entry necessary for non-radiochemical results. If entered, must be greater than or equal to zero. (Formerly in the format N12,4 in EDF 1.2a.)
PARVAL	RESULTS	N14			Parameter Value	The analytical value for a compound, analyte, or physical parameter.	(Formerly in the format N14,4 in EDF 1.2a.)
PARVQ	RESULTS	C2		x	Parameter Value Qualifier	The code identifying the qualifier of an analytical result (e.g., greater than, equal to, etc.).	Must contain a valid value.
PRESCODE	TEST	C15	x	x	Preservative	The code identifying the type of preservative added to the sample.	Must contain a valid value. Multiple codes may be entered, separated by commas (no spaces between values).
PROJNAME	SAMPLE	C25	x		Project Name	The identification assigned to the project by the organization performing the work.	No entry for laboratory-generated QC and non-client samples.
PVCCODE	RESULTS	C2		x	Primary Value Type	The code identifying whether a sample result is a primary or a confirmatory value.	Must contain a valid value. There may be only one "PR" result per *LABSAMPID*, *ANMCODE*, *EXMCODE*, and *PARLABEL*.
QCCODE	TEST RESULTS QC	C3		x	QC Type	The code identifying the type of sample (e.g., laboratory-generated, environmental, etc.).	Must contain a valid value.
RECDATE	TEST	D8			Received Date	The date the sample is received by the laboratory doing the analysis.	Must be in the format YYYYMMDD. For laboratory-generated QC samples enter date sample was created (e.g., *EXTDATE*).
REP_DATE	TEST	D8	x		Report Date	The date of the laboratory report.	Must be in the format YYYYMMDD. No entry for laboratory-generated QC and non-client samples.

Field Name	In Table(s)	Attrb	Null Allowed	VVL	Descr. Name	Definition	Guidelines & Restrictions
REPDL	RESULTS	N9			Reporting Detection Limit	The laboratory-established method detection limit, adjusted for the particular sample preparation (e.g., weight, volume, or dilution).	Enter zero when *UNITS* is "PERCENT" or *PARVQ* is "TI." Must be adjusted for dilution. Must be greater than or equal to zero. (Formerly in the format N9,4 in EDF 1.2a.)
REPDLVQ	RESULTS	C3		x	Reporting Detection Limit Qualifier	The code identifying the type of reporting limit (e.g., practical quantitation limit, instrument detection limit, etc.).	Must contain a valid value. Enter "NA" when *UNITS* is "PERCENT" or *PARVQ* is "TI."
REQ_METHOD_GRP	SAMPLE	C25	x		Requested Method Group	The unique identifier for the method or group of methods requested by the client for analysis of the sample.	Optional. This field provides a link with the COC EDD from EDMS2000.
RLNOTE	RESULTS	C20	x	x	Laboratory Result Notes	The code identifying notes pertaining to analytical performance irregularities that apply to a single analyte.	Must contain a valid value. Multiple codes may be entered, separated by commas (no spaces between values).
RT	RESULTS	N7	x		Retention Time	The retention time of a tentatively identified compound (TIC), reported in minutes (min).	No entry necessary except when *PARVQ* is "TI." If entered must be greater than or equal to zero. (Formerly in the format N7,2 in EDF 1.2a.)
RUN_NUMBER	TEST RESULTS	N2			Run Number	The numeric code distinguishing multiple or repeat analysis of a sample by the same method on the same day.	Must be an integer greater than or equal to 1.
SAMPID	SAMPLE TEST	C25	x		COC Sample ID	The unique identifier representing a sample, assigned by the consultant, as submitted to the laboratory on a chain-of-custody.	This field represents the sample ID as it appears on the COC. No entry for laboratory-generated QC and non-client samples.

Field Name	In Table(s)	Attrb	Null Allowed	VVL	Descr. Name	Definition	Guidelines & Restrictions
SRM	RESULTS	C12		x	Standard Reference Material	The code identifying the standard reference material used in the analysis.	Must contain a valid value. Enter "NA" if no reference material.
SUB	TEST	C4		x	Subcontracted Laboratory	The code identifying the subcontracted laboratory.	Must contain a valid value. Enter "NA" if no analyses are subcontracted.
TLNOTE	TEST	C20	x	x	Laboratory Test Notes	The code identifying notes pertaining to analytical performance irregularities that apply to the entire test.	Must contain a valid value. Multiple codes may be entered, separated by commas (no spaces between values).
UNITS	RESULTS QC	C10		x	Units of Measure	The units for the parameter value measurement.	Must contain a valid value.
UPPERCL	CL	N4			Upper Control Limit	The upper control limit of a quality control criterion.	Must be an integer greater than or equal to one and greater than *LOWERCL*.

ANADATE

Definition: The Analysis Date is the date a sample or extract is analyzed.

Attributes: D8

Included in Tables: TEST
RESULTS

Guidelines & Restrictions:

- All date fields must be in the YYYYMMDD format.
- *ANADATE* cannot be left blank.
- *ANADATE* must be later than or equal to *EXTDATE*.
- *ANADATE* must be later than or equal to *RECDATE*.
- *ANADATE* must be later than or equal to *LOGDATE*.
- *ANADATE* must be earlier than or equal to *REP_DATE*.

ANMCODE

Definition: The *ANMCODE* represents the Analytical Method performed on a sample by the analytical laboratory.

Attributes: C7

Included in Tables: TEST
RESULTS
QC
CL

Guidelines & Restrictions:

- *ANMCODE* cannot be left blank.
- *ANMCODE* must contain a valid value.
- Although many of the analytical methods are similar, compound lists are often slightly different (i.e., SW8260B and E524.2). Each *ANMCODE* implies a specific list of analytes (refer to the actual method). All of these analytes are expected to be reported. If they are not all reported, the list must be identified as modified by entering "T" ("true") into the modified parameter list field (*MODPARLIST*) of the test record.

Acceptable *ANMCODE* Values:

CODE	DESCRIPTION
3810HVO	Halogenated Volatile Organics by Headspace
8260SIM	Volatile Organic Compounds by GC/MS SIM
8270SIM	Semivolatile Organic Compounds by GC/MS SIM
A10200H	Standard Method (19th ed.) 10200 H: Chlorophyll
A1030F1	Standard Method 1030F1: Cation-Anion Balance Calculation
A203	Calcium Carbonate Saturation
A210B	Standard Method 210B: Salinity by Hydrometric Method
A2120B	Standard Method 2120 B: Color by Visual Comparison
A2150B	Standard Method 2150 B: Threshold Odor Test
A2320B	Standard Method 2320 B: Alkalinity by Titration Method
A2330B	Standard Method 2330 B: Langelier Index
A2340B	Standard Method 2340 B: Hardness by Calculation
A2340C	Standard Method 2340 C: Hardness by Calc.-EDTA Titrimetric Method
A2510B	Standard Method (19th ed.) 2510 B: Specific Conductance
A2520B	Standard Method 2520 B: Salinity
A2540C	Standard Method (19th ed.) 2540 C: Total Diss. Solids at 180 deg.

CODE	DESCRIPTION
A2540G	Standard Method (19th ed.) 2540 G: Total, Fixed and Vol. Solids
A2580B	Standard Method (19th ed.) 2580 B: Oxidation-Reduction Potential
A2710F	Standard Method 2710 F: Specific Gravity
A3500FE	Standard Method (19th ed.) 3500-Fe D: Penanthroline Method
A4500B	Standard Method 4500-Cl: Chloride (Argentometric Method)
A4500C	Standard Method (19th ed.) 4500-Cl C: Mercuric Nitrate Method
A4500CL	Standard Method (19th ed.) 4500-Cl G: Chlorine: DPD Colorimetric
A4500CN	Standard Method (19th ed.) 4500-CN I: Weak Acid Dissociable CN
A4500DA	Standard Method 4500-CO2 D: CO2 and Forms of Alkalinity by Calc.
A4500F	Standard Method (18th ed.) 4500NO3F: Auto Cd Reduction
A4500NH	Standard Method (19th ed.) 4500-NH: Nitrogen (Ammonia)
A5520C	Standard Method 5520 C: Oil and Grease Partition-Infrared Method
A5520F	Standard Method 5520 F: Oil and Grease Hydrocarbons
A5540A	Standard Method 5540 A: Surfactants (MBAS)
A5540C	Standard Method 5540 C: Determ. of Methylene Blue Active Subst.
A5550B	Standard Method 5550 B: Tannin and Lignin
A9215B	Standard Method 9215 B: Heterotrophic Plate Count-Pour Plate
A9215D	Standard Method 9215 D: Heterotrophic Plate Count-Membrane Filter
A9221B	Standard Method 9221 B: Total Coliform Fermentation Technique
A9221E	Standard Method 9221 E: Fecal Coliform
A9222B	Standard Method 9222 B: Total Coliform Membrane Filter Procedure
A9222D	Standard Method 9222 D: Fecal Coliform
A9223B	Standard Method (19th ed) 9223 B: Chromogenic Substrate Coliform
A9230B	Standard Method (19th ed) 9230 B: Fecal Strep Multiple Tube Tech.
A9240D	Standard Method 9240 D: Isolation of Iron and Sulfur Bacteria
A9260D	Standard Method (18th ed.) 9260 D: Quantitative Salmonella Proc.
AG7-2.2	Percent Moisture
AHERA	Bulk Asbestos-40CFR763, Subpart E, Appendix A
AK101	Gasoline Range Organics, Alaska Dept. of Environment. Conserv.
AK101E	State of Alaska Method 101 Extended (AK101/BTEX)
AK102	Diesel Range Organics, Alaska Dept. of Environment. Conserv.
AK102E	State of Alaska Method 102 Extended (AK102/AK103)
AK103	State of Alaska Residual Range Hydrocarbons
AKD	State of Alaska Method for Diesel
AKG	State of Alaska Method for Gasoline
ASA1033	ASA (1982) 10-3.3: Electrical Conductivity
ASA2451	ASA (1982) 24-5.1: Phosphorus Soluble in Dilute Acid-Fluoride
ASA39	ASA (1982) 39: Heterotrophic Plate Count
ASTMD93	Flash Point, (Open Cup)
BDTL	Bligh and Dyer Method for Total Lipids
BTSNTOT	Total Butyltins
CAPBO	Determination of Organic Lead DHS Method
CATFH	Total Fuel Hydrocarbons: LUFT Method (California)
CATPH-D	State of California Diesel Range Organics
CATPH-G	State of California Gasoline Range Organics
CENPD	Fuel Identification and Quantification-COE

CODE	DESCRIPTION
CLPPM	CLP Method for Percent Moisture (ILM03.0)
CSGAS	Analytical Determination of CS Gas
D1217	Specific Gravity (Pycnometer)
D129	ASTM Method for Sulfur in Petroleum Products
D1744	ASTM Method for Water in Liquid Petroleum Prods. by K.F. Reagent
D1945	ASTM Method for Natural Gas by GC
D2015	High Heat Value Determination in Liquid
D2196	Viscosity (Viscometer)
D2216	Percent Solid
D240	Heat of Combustion of Hydrocarbon Liquids by Bomb Calorimeter
D2500	ASTM Method Cloud Point of Petroleum Oils
D287	Specific Gravity (Petroleum Product Hydrometer Sp)
D2972	Arsenic by Atomic Absorption; Furnace
D3341	ASTM Method for Organic Lead
D3416	Total Hydrocarbons, Methane and Carbon Monoxide in Atmosphere GC
D3828	ASTM Method Flash Point by Setaflash Closed Tester
D3859	ASTM Method for Selenium in Water
D4129	Total Organic Carbon (TOC)
D412982	ASTM Method for Total and Organic Carbon in Water Oxidation
D445	Viscosity (petroleum product, kinematic viscosity)
D482	ASTM Method for Ash from Petroleum Products
D776	ASTM Method for Forms of Chlorine in Refuse-Derived Fuel
D808	ASTM Method Chlorine in New and Used Petroleum Products
D91AVSM	Draft 1991-Determination of Acid Volatile in Sediment
D97	ASTM Method Pour Point of Petroleum Oils
DE1109	ASTM Method for Determining Bulk Density of Solid Waste Fractions
DOCH4	Diss. Oxygen & Methane (Inter'l J. Env. Anal. Chem. 1988)
DU	Data Unavailable
E110.2	Color (Colorimetric-Platinum-Cobalt)
E120.1	Specific Conductance
E130.1	Hardness, Total (Colorimetric, Automated EDTA)
E130.2	Hardness, Total (Titrimetric)
E150.1	pH, Electrometric
E160.1	Residue, Filterable (TDS)
E160.2	Residue, Non-Filterable
E160.3	Residue, Total (Gravimetric, Dried at 103-105 Degrees)
E160.3M	Residue, Total (Gravimetric Dried) Modified
E160.4	Residue, Volatile (Gravimetric, Ignition at 550 Degrees)
E160.4M	Residue, Volatile (Gravimetric, Ignition) Modified
E160.5	Settleable Matter
E1613A	Tetra thru Octa-Chlorinated Dioxins and Furans by Isotope Dilutin
E1624	Volatile Organic Compounds by Isotope Diltuion GC/MS
E1631	Mercury in Water by Oxidation, P&T, and Cold Vapor
E1658	Determination of Phenoxy-acid Herbicides
E1664	HEM and SGT-HEM by Extraction and Gravimetry
E170.1	Temperature

CODE	DESCRIPTION
E180.1	Turbidity (Nephelometric)
E200.7	Inductively Coupled Plasma Emission
E200.8	Inductively Coupled Plasma/Mass Spectroscopy
E200.9	Atomic Absorption, Platform
E202.1	Aluminum (AA, Direct Aspiration)
E202.2	Aluminum (AA, Furnace Technique)
E204.1	Antimony (AA, Direct Aspiration)
E204.2	Antimony (AA, Furnace Technique)
E206.2	Arsenic (AA, Furnace)
E206.3	Arsenic (AA, Hydride)
E206.4	Spectrophotometric, SDDC
E208.1	Barium (AA, Direct Aspiration)
E208.2	Barium (AA, Furnace)
E210.1	Beryllium (AA, Direct Aspiration)
E210.2	Beryllium (AA, Furnace Technique)
E212.3	Boron (Colorimetric, Curcumin)
E213.1	Cadmium (AA, Direct Aspiration)
E213.2	Cadmium (AA, Furnace)
E215.1	Calcium (AA, Direct Aspiration)
E215.2	Calcium (Titrimetric, EDTA)
E218.1	Chromium (AA, Direct Aspiration)
E218.2	Chromium (AA, Furnace)
E218.3	Chromium by Chelation - Extraction
E218.4	Chromium Hexavalent (AA, Chelation-Extraction)
E218.5	Chromium Hexavalent, Dissolved (AA, Furnace)
E219.1	Cobalt (AA, Direct Aspiration)
E219.2	Cobalt (AA, Furnace Technique)
E220.1	Copper (AA, Direct Aspiration)
E220.2	Copper (AA, Furnace)
E231.1	Gold (AA, Direct Aspiration)
E231.2	Gold (AA, Furnace)
E235.1	Iridium (AA, Direct Aspiration)
E235.2	Iridium (AA, Furnace)
E236.1	Iron (AA, Direct Aspiration)
E236.2	Iron (AA, Furnace Technique)
E239.1	Lead (AA, Direct Aspiration)
E239.2	Lead (AA, Furnace)
E242.1	Magnesium (AA, Direct Aspiration)
E243.1	Manganese (AA, Direct Aspiration)
E243.2	Manganese (AA, Furnace Technique)
E245.1	Mercury (Cold Vapor, Manual)
E245.2	Mercury (Cold Vapor, Automated)
E245.5	Mercury (Cold Vapor, Sediments)
E246.1	Molybdenum (AA, Direct Aspiration)
E246.2	Molybdenum (AA, Furnace Technique)
E249.1	Nickel (AA, Direct Aspiration)

CODE	DESCRIPTION
E249.2	Nickel (AA, Furnace)
E252.1	Osmium (AA, Direct Aspiration)
E252.2	Osmium (AA, Furnace)
E253.1	Palladium, (AA, Direct Aspiration)
E253.2	Palladium (AA, Furnace)
E255.1	Platinum, (AA, Direct Aspiration)
E255.2	Platinum (AA, Furnace)
E258.1	Potassium (AA, Direct Aspiration)
E265.1	Rhodium (AA, Direct Aspiration)
E265.2	Rhodium (AA, Furnace)
E267.1	Ruthenium (AA, Direct Aspiration)
E267.2	Ruthenium (AA, Furnace)
E270.1	Selenium (AA, Direct Aspiration)
E270.2	Selenium (AA, Furnace)
E270.3	Selenium (AA, Hydride)
E272.1	Silver (AA, Direct Aspiration)
E272.2	Silver (AA, Furnace)
E273.1	Sodium (AA, Direct Aspiration)
E273.2	Sodium (AA, Furnace Technique)
E279.2	Thallium (AA, Furnace)
E282.1	Tin (AA, Direct Aspiration)
E282.2	Atomic Absorption, Furnace
E283.1	Titanium (AA, Direct Aspiration)
E283.2	Titanium (AA, Furnace Technique)
E286.1	Vanadium (AA, Direct Aspiration)
E286.2	Vanadium (AA, Furnace Technique)
E289.1	Zinc (AA, Direct Aspiration)
E289.2	Zinc (AA, Furnace)
E300	Inorganic Anions by Ion Chromatography
E300.0	Inorganic Anions by Ion Chromatography
E300A	Inorganic Anions by Ion Chromatography, Part A
E300B	Inorganic Anions by Ion Chromatography, Part B
E305.1	Acidity, Total
E305.2	Acidity, Total
E310.1	Alkalinity, Total (as Carbonate)
E310.2	Alkalinity, Total (as Carbonate)
E320.1	Bromide
E325.1	Chloride (as Cl)
E325.2	Chloride (as Cl)
E325.2M	Chloride (as Cl) Modified
E325.3	Chloride (as Cl)
E325.3M	Chloride (as CI) Modified
E335.1	Cynanides, Amenable to Chlorination
E335.2	Total Cyanide
E335.3	Total Cyanide (Colorimetric, Automated UV)
E335.4	Total Cyanide by Semi-automated Colorimetry

CODE	DESCRIPTION
E340.1	Fluoride
E340.2	Fluoride
E340.2M	Fluoride Modified
E340.3	Fluoride
E345.1	Iodide (as I)
E350.1	Nitrogen, Ammonia (as N)
E350.1M	Nitrogen, Ammonia (as N) Modified
E350.2	Nitrogen, Ammonia (as N)
E350.3	Nitrogen, Ammonia (as N)
E351.1	Nitrogen, Kjeldahl, Total
E351.2	Nitrogen, Kjeldahl, Total
E351.3	Nitrogen, Kjeldahl, Total
E351.4	Nitrogen, Kjeldahl, Total
E351.4M	Nitrogen, Kjeldahl, Total Modified
E352.1	Nitrogen, Nitrate (as N)
E353.1	Nitrogen, Nitrate-Nitrite
E353.2	Nitrogen, Nitrate-Nitrite
E353.2M	Nitrogen, Nitrate-Nitrate Modified
E353.3	Nitrogen, Nitrate-Nitrite
E354.1	Nitrogen, Nitrite
E360.1	Oxygen, Dissolved
E360.2	Oxygen, Dissolved
E365.1	Phosphorus, All Forms, (Colorimetric, Automated, Ascorbic Acid)
E365.2	Phosphorus, All Forms (as P)
E365.3	Phosphorus, All Forms (Colorimetric, Ascorbic Acid)
E365.3M	Phosphorus, Reactive Soluble
E365.4	Phosphorus, Total (Colorimetric, Automated Block Digestor, AA II)
E370.1	Silica
E375.1	Sulfate
E375.2	Sulfate
E375.3	Sulfate
E375.4	Sulfate
E376.1	Sulfide
E376.2	Sulfide
E377.1	Sulfite
E405.1	Biochemical Oxygen Demand
E410	Chemical Oxygen Demand
E410.1	Chemical Oxygen Demand
E410.2	Chemical Oxygen Demand
E410.3M	COD (Titrimetric, High Level for Saline Water) Modified
E410.4	Chemical Oxygen Demand - Colorimetric
E413.1	Oil and Grease, Total Recoverable
E413.2	Oil and Grease, Total Recoverable (Spectrophotometric IR)
E415.1	Total Organic Carbon (Combustion or Oxidation)
E415.2	Total Organic Carbon (UV Promoted, Persulfate Oxidation)
E418.1	Petroleum Hydrocarbons, Total Recoverable

CODE	DESCRIPTION
E420.1	Phenolics, Total Recoverable (Spectrophotometric, Manual)
E420.1M	Phenolics, Total Recoverable Modified
E420.4	Total Recoverable Phenolics by Semi-automated Colorimetry
E425.1	Methylene Blue Active Substances (MBAS)
E502.2	Volatile Organic Compounds in Water by Purge and Trap
E504	EDB and DBCP In Water by Microextraction and Gas Chromatography
E508	Chlorinated Pesticides in Groundwater
E515.1	Determination of Chlorinated Acids in Water by GC/ECD
E524.2	Volatile Organic Compounds by Purge and Trap
E525.1M	Semivolatile Organic Compounds Modified
E600M4	Asbestos in Bulk Insulation, Int. Method (Pol Lt. Microscopy & Di
E601	Purgeable Halocarbons
E601-2	Combined Methods E601/E602
E602	Purgeable Aromatics
E6045	PCB Oil
E608	Organochlorine Pesticides and PCBs
E610	Polynuclear Aromatic Hydrocarbons
E614	Determination of Organophosphorus Pesticides
E615	Chlorinated Herbicides
E624	Volatile Organic Compounds EPA Method 624
E625	Extractable Priority Pollutants
E900	Gross Alpha and Beta Radiation
E901.1	Gamm-Emitting Radionuclides in Drinking Water
E903.0	Alpha-Emitting Radium Isotopes in Drinking Water
E903.1	Radium
E905.0	Radioactive Strontium in Water
E906.0	Tritium in Drinking Water
ETO12	Determination of Non-Methane Organic Compounds in Ambient Air
ETO14A	Determination of Volatile Organic Compounds in Ambient Air by GC
ETO3	Determination of Volatile Organic Compounds in Ambient Air
ISOPU	1990 EML Procedures Manual, Pu-11, HASL-300
ISOU	34th ORNL-DOE Conf.: Measure of Isotopic Uranium
KAHNTOC	Determination of TOC in Soil by Modified Lloyd Kahn Method
LPFE3	Lovely/Phillips (1987) Rapid Assay for Microbially Reducible Fe3+
M8015	Modified SW8015 for Gasoline or Diesel Determination
M8100	Determination of Diesel Range Organics
MAEPH	State of Massachusetts Dept. of Env. Protection EPH Method
MAVPH	State of Massachusetts Dept. of Env. Protection VPH Method
ME418.1	Modified E418.1 TRPH (Alaska)
MSACAT	Cation Exchange Capacity & Exchange Coefficients
MTTPH-D	Montana Total Petroleum Hydrocarbons-Diesel Range
MTTPH-G	Montana Total Petroleum Hydrocarbons-Gasoline Range
N0502	Dustfall from the Atmosphere
N1501	Aromatic Hydrocarbons in Air
NWTPHDX	State of Washington Dept. of Ecology TPH-Dx Method
NWTPHGX	State of Washington Dept. of Ecology TPH-Gx Method

CODE	DESCRIPTION
NWTPHHC	State of Washington Dept. of Ecology TPH-HCID Method
OHCID	State of Oregon Hydrocarbon Identification Method
OPHC	State of Oregon Total Petroleum Hydrocarbons
OR418.1	Modified for State of Oregon Total Petroleum Hydrocarbons
OSCACO3	Oregon State University, CaCO3 Soils Method
OTPH-D	State of Oregon Diesel Range Organics
OTPH-G	State of Oregon Gasoline Range Organics
PAHSIM	PAH Specific Ion Monitoring
PS1986	Particle Size by PSEP Protocols
PSEPSID	Puget Sound Estuary Program, Sulfide Analysis
RSK175	Diss. Gasses in Water by GC (Inter'l J. Env. Anal. Chem. 1991)
SACIDSL	Acid Soluble Sulfide (EPA Draft 1991)
SCID	Hydrocarbon Screening Method
SHEEN	Brown & Braddock Method for Sheen Screening (1989)
SIM	GC/MS SIM Method
SW1010	Flash Point (Closed-Cup Tester)
SW1020	Ignitability
SW1020A	Setaflash Closed-Cup Method for Determining Ignitability
SW1110	Corrosivity Toward Steel
SW6010	Inductively Coupled Plasma-Emission
SW6010A	Inductively Coupled Plasma-Atomic Emission Spectroscopy
SW6010B	Inductively Coupled Plasma-Atomic Emission Spectroscopy
SW6020	Inductively Coupled Plasma-Mass Spectrometry
SW7.1	SW-846, chpt. 7.1: Ignitability
SW7.2	SW-846, chpt. 7.2: Corrosivity
SW7.3	SW-846, chpt. 7.3: Cyanide/Sulfide Reactivity
SW7020	Aluminum (AA, Direct Aspiration)
SW7040	Antimony (AA, Direct Aspiration)
SW7041	Antimony (AA, Furnace Technique)
SW7060	Arsenic (AA, Furnace Technique)
SW7060A	Arsenic (AA, Furnace Technique)
SW7061	Arsenic by Hydride Generation
SW7061A	Arsenic (AA, Gaseous Hydride)
SW7080	Barium (AA, Direct Aspiration)
SW7081	Barium (AA, Furnace Technique)
SW7090	Beryllium (AA, Direct Aspiration)
SW7091	Beryllium (AA, Furnace Technique)
SW7130	Cadmium (AA, Direct Aspiration)
SW7131	Cadmium (AA, Furnace Technique)
SW7131A	Cadmium (AA, Furnace Technique)
SW7140	Calcium (AA, Direct Aspiration)
SW7190	Chromium (AA, Direct Aspiration)
SW7191	Chromium (AA, Furnace Technique)
SW7195	Chromium, Hexavalent (Coprecipitation)
SW7196	Chromium, Hexavalent (Colorimetric)
SW7196A	Chromium, Hexavalent (Colorimetric)

CODE	DESCRIPTION
SW7197	Chromium, Hexavalent (Chelation/Extraction)
SW7198	Chromium, Hexavalent (Differential Pulse Polarography)
SW7200	Cobalt (AA, Direct Aspiration)
SW7201	Cobalt (AA, Furnace Technique)
SW7210	Copper (AA, Direct Aspiration)
SW7211	Copper (AA, Furnace Technique)
SW7380	Iron (AA, Direct Aspiration)
SW7381	Iron (AA, Furnace Technique)
SW7420	Lead (AA, Direct Aspiration)
SW7421	Lead (AA, Furnace Technique)
SW7430	Lithium (AA, Direct Aspiration)
SW7450	Magnesium (AA, Direct Aspiration)
SW7460	Manganese (AA, Direct Aspiration)
SW7461	Manganese (AA, Furnace Technique)
SW7470	Mercury in Liquid Waste (Manual Cold-Vapor Technique)
SW7470A	Mercury in Liquid Waste (Manual Cold-Vapor Technique)
SW7471	Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)
SW7471A	Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)
SW7480	Molybdenum (AA, Direct Aspiration)
SW7481	Molybdenum (AA, Furnace Technique)
SW7520	Nickel (AA, Direct Aspiration)
SW7550	Osmium (AA, Direct Aspiration)
SW7610	Potassium (AA, Direct Aspiration)
SW7740	Selenium (AA, Furnace Technique)
SW7741	Selenium (AA, Gaseous Hydride)
SW7760	Silver (AA, Direct Aspiration)
SW7760A	Silver (AA, Direct Aspiration)
SW7761	Silver (AA, Furnace Technique)
SW7770	Sodium (AA, Direct Aspiration)
SW7780	Strontium (AA, Direct Aspiration)
SW7840	Thallium (AA, Direct Aspiration)
SW7841	Thallium (AA, furnace Technique)
SW7870	Tin (AA, Direct Aspiration)
SW7910	Vanadium (AA, Direct Aspiration)
SW7911	Vanadium (AA, Furnace Technique)
SW7950	Zinc (AA, Direct Aspiration)
SW7951	Zinc (AA, Furnace Technique)
SW8010	Halogenated Volatile Organics by Gas Chromatography
SW8010A	Halogenated Volatile Organics by Gas Chromatography
SW8010B	Halogenated Volatile Organics by Gas Chromatography
SW8015	Non-Halogenated Volatile Organics
SW8015B	Non-Halogenated Organics Using GC/FID
SW8020	Aromatic Volatile Organics
SW8020A	Aromatic Volatile Organics by Gas Chromatography
SW8020F	BTEX/Gasoline Range Organics (SW8020/8015)
SW8021A	Halogenated Volatiles by Gas Chromatography using Photoionization

CODE	DESCRIPTION
SW8021B	Halogenated and Aromatic Volatiles by GC using Photoionization
SW8021F	Volatiles by GC/Gasoline Range Organics (SW8021B/8015)
SW8040A	Phenols by Gas Chromatography
SW8060	Phthalate Esters
SW8080	Organochlorine Pesticides and PCBs
SW8080A	Organochlorine Pesticides and PCBs by GC
SW8081	Organochlorine Pesticides & PCBs as Aroclors by GC: Capillary Col
SW8081A	Organochlorine Pesticides by Gas Chromatography
SW8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography
SW8100	Polynuclear Aromatic Hydrocarbons
SW8140	Organophosphorus Pesticides
SW8141	Organophosphorus Compounds by Gas Chromatography
SW8150	Chlorinated Herbicides by GC
SW8150A	Chlorinated Herbicides by GC
SW8151	Chlorinated Herbicides by GC
SW8151A	Chlorinated Herbicides by GC
SW8240	GC/MS for Volatile Organics
SW8240A	Volatile Organic Compounds (SW-846 Method)
SW8240B	Volatile Organic Compounds by GC/MS
SW8260	Volatile Organic Compounds by GC/MS
SW8260A	Volatile Organic Compounds by GC/MS
SW8260B	Volatile Organic Compounds by GC/MS
SW8270	Semivolatile Organic Compounds by GC/MS
SW8270A	Semivolatile Organic Compounds by GC/MS
SW8270B	Semivolatile Organic Compounds by GC/MS
SW8270C	Semivolatile Organic Compounds by GC/MS
SW8280	Polychlorinated Dibenzodioxins/Polychlorinated Dibenzofurans
SW8290	Polychlorinated Dibenzodioxins/Polychlorinated Dibenzofurans
SW8290D	Draft Polychlorinated Dibenzodioxins/Polychlorinated Dibenzofuran
SW8310	Polynuclear Aromatic Hydrocarbons
SW8321	Solvent Extractable Non-Volatile Compounds by HPLC/TSP/MS or UV D
SW8330	Nitroaromatics and Nitramines by HPLC
SW9010	Total and Amenable Cyanide
SW9010A	Total and Amenable Cyanide
SW9010B	Total and Amenable Cyanide: Distillation
SW9012	Total and Amenable Cyanide (Colorimetric, Automated UV)
SW9012A	Total and Amenable Cyanide (Auto. Colorimetric/Off-line Distill.)
SW9013	Cyanide Extraction Procedure for Solids and Oils
SW9014	Titrimetric and Manual Spectrophotometric Determ. for Cyanide
SW9020	Total Organic Halides (TOX)
SW9020A	Total Organic Halides (TOX)
SW9030A	Acid Soluble and Acid Insoluble Sulfides
SW9031	Extractable Sulfides
SW9034	Titrimetric Proc. for Acid-Soluble/Insoluble Sulfides
SW9038	Sulfate (Turbidimetric)
SW9040	pH, Electrometric Measurement

CODE	DESCRIPTION
SW9040B	pH, Electrometric Measurement
SW9045A	pH
SW9045B	Soil and Waste pH
SW9045C	Soil and Waste pH
SW9050A	Specific Conductance
SW9056	Determination of Inorganic Anions by Ion Chromatography
SW9060	Total Organic Carbon (TOC)
SW9065	Phenolics (Spectrophotometric, Manual 4-AAP with Distillation)
SW9066	Phenolics (Colorimetric, Automated 4-AAP with Distillation)
SW9071	Oil and Grease Extraction Method for Sludge Samples
SW9076D	Draft Total Chlorine in Petroleum Products by Oxidative Combust.
SW9077	Total Chlorine in New and Used Petroleum Products
SW9081	EPA 9081 Cation-Exchange Capacity of Soils
SW9095	Paint Filter Liquids Test
SW9131	Total Coliform: Multiple Tube Fermentation Technique
SW9132	Total Coliform: Membrane-Filter Technique
SW9252	Chloride (Titrimetric, Mercuric Nitrate)
SW9253	Chloride (Titrimetric, Silver Nitrate)
SW9310	Gross Alpha and Gross Beta
SW9315	Alpha-Emitting Radium Isotopes
SW9320	Radium-228
SWVOL	Combined Methods SW8010/SW8020, Same Column
UL09	Method UL09, Rocky Mountain Arsenal
ULK09	Determination of DIMP and DMMP in Soil by GC/FPD
ULL05	Determination of Organosulfur Compounds in Soil by GC
ULL9	Determination of Thiodiglycol and Chloroacetic Acid in Soil
ULT04	Determination of Organic Acids in Soil by Ion Chromatography
USDA60	USDA Handbook No. 60: Exchangeable Sodium Percentage
UW46	Method UW46, Rocky Mountain Arsenal
WA418.1	Modified for State of Washington Total Petroleum Hydrocarbons
WBLACK	Walkley-Black Method, Organic Carbon (TOC)
WDOEEPH	State of Washington Dept. of Ecology EPH Method
WDOEVPH	State of Washington Dept. of Ecology VPH Method
WHCID	State of Washington Hydrocarbon Identification
WPHC	State of Washington Total Petroleum Hydrocarbons
WTPH-D	State of Washington Diesel Range Organics
WTPH-G	State of Washington Gasoline Range Organics

APPRVD

Definition: The Approved By field contains the initials of the individual approving the laboratory report.

Attributes: C3

Included in Tables: TEST

Guidelines & Restrictions:

- *APPRVD* cannot be left blank for test records where *QCCODE* = "CS," and must be blank in all other cases.

BASIS

Definition: *BASIS* (Basis) identifies the basis on which an analytical result is reported. This field is also used to indicate leaching procedures performed.

Attributes: C1

Included in Tables: TEST

Guidelines & Restrictions:

- *BASIS* cannot be left blank, and only one *BASIS* code may be applied to a test record.
- *BASIS* must contain a valid value.
- For soil samples, *BASIS* may be "W" for wet-weight basis, or "D" for dry-weight basis.
- For water samples, *BASIS* may be "F" for field filtered, "L" for lab filtered, or "N" for not filtered.
- If sample preparation includes a leaching procedure, the *EXMCODE* assigned to the sample is not the leachate method, but the preparation procedure listed in the analytical method that has been performed on the leachate. The *BASIS* field indicates the leaching procedure that was performed ("B," "E," "H," "S," "T," or "V").

Acceptable *BASIS* Values:

CODE	DESCRIPTION
A	Air
B	SW-924 Leaching Procedure
C	California Waste Extraction Test
D	Dry
E	Method 1310A EP Toxicity Test
F	Field Filtered
G	Centrifuge supernatant
H	Modified SW1311 - Water Leachate
L	Lab Filtered
N	Not Filtered
S	Method SW1312 TCLP
T	Method SW1311 TCLP
U	Data Unavailable
V	D91AVSM Leachate
W	Wet

CLCODE

Definition: The *CLCODE* represents the Quality Control Limit Type that is associated with a given result.

Attributes: C6

Included in Tables: CL

Guidelines & Restrictions:

- *CLCODE* cannot be left blank.
- *CLCODE* must contain a valid value.
- *CLCODE*s are assigned based upon the type of quality assurance sample being analyzed, as well as the system of validation being used.
- A single *PARLABEL* may have multiple sets of control limits, distinguished by the *CLCODE* and (in some cases) the *CLREVDATE*.
- *CLCODE*s are separated into six groups, with codes for surrogates, initial calibration, continuing calibration, laboratory replicates, standard reference material, and spiked samples.

***CLCODE* Groups:**

GROUP	ACCEPTABLE *CLCODE*s
Surrogates	SLSA/SLSP SMSA/SMSP SBSA/SBSP SMEA/SMEP SCLA/SCLP
Initial Calibration	LIC MEIC CLPIC
Continuing Calibration	LCC MECC CLPCC
Standard Reference Material	SRAD/SRPD SRMA/SRMP
Laboratory Replicates	LLR MLR MELR CLPLR

GROUP	ACCEPTABLE *CLCODE*s
Spiked Samples (Matrix or Blank Solution)	LSA/LSP MSA/MSP CLPA/CLPP SRMA/SRMP SRAD/SRPD

Acceptable *CLCODE* Values:

CODE	DESCRIPTION
CLPA	Contract Laboratory Program Accuracy Limits for Spiked Samples
CLPCC	CLP Continuing Calibration Acceptance Criteria
CLPIC	CLP Initial Calibration Acceptance Criteria
CLPLR	Contract Laboratory Program Precision for Lab Replicates
CLPP	Contract Laboratory Program Precision Limits for Spiked Samples
DU	Data Unavailable
LCC	Laboratory Continuing Calibration Accuracy
LIC	Laboratory Initial Calibration Accuracy
LLR	Laboratory Established Precision for Lab Replicates
LSA	Laboratory Sample Accuracy for Spiked Samples
LSP	Laboratory Sample Precision for Spiked Samples
MEA	Method Established Accuracy for Spiked Samples
MECC	Method Established Continuing Calibration Acceptance Criteria
MEIC	Method Established Initial Calibration Acceptance Criteria
MELR	Method Established Precision for Laboratory Replicates
MEP	Method Established Precision for Spiked Samples
MLR	Matrix Laboratory Replicate Precision
MSA	Matrix Spike Accuracy for Spiked Samples
MSP	Matrix Spike Precision for Spiked Samples
SBSA	Both Reagent and Matrix Sample Accuracy for Surrogates
SBSP	Both Reagent and Matrix Sample Precision for Surrogates
SCLA	Contract Laboratory Program Limits for Surrogate Accuracy
SCLP	Contract Laboratory Program Limits for Surrogate Precision
SLSA	Laboratory Sample Limits for Accuracy for Surrogates
SLSP	Laboratory Sample Limits for Precision for Surrogates
SMEA	Method Established Limits for Accuracy for Surrogates
SMEP	Method Established Limits for Precision for Surrogates
SMSA	Sample Matrix Limits for Accuracy for Surrogates
SMSP	Sample Matrix Limits for Precision for Surrogates
SRAD	Standard Reference Accuracy Defined by Agency/Manufacturer
SRMA	Standard Reference Material Accuracy Limits Determined by Lab
SRMP	Standard Reference Material Precision Limits Determined by Lab
SRPD	Standard Reference Precision Defined by Agency/Manufacturer

CLREVDATE

Definition: The Control Limit Revision Date is the date that the control limit is established.

Attributes: D8

Included in Tables: RESULTS
CL

Guidelines & Restrictions:

- All date fields must be in the YYYYMMDD format.
- *CLREVDATE* must be blank for all result records where *QCCODE* = "CS," "NC," "LB," or "RS," and non-spiked parameters, except for surrogates (*PARVQ* = "SU").
- *CLREVDATE* cannot be blank when *QCCODE* = "MS/SD," "BS/BD," "RM/KD," "LR," "IC," or "CC."
- *CLREVDATE* cannot be blank when *PARVQ* = "SU" or "IN."

CNTSHNUM

Definition: The Control Sheet Number was historically a COE-assigned administration number. This field is no longer used as such, and may be used by the laboratory for internal tracking numbers.

Attributes: C12

Included in Tables: SAMPLE

Guidelines & Restrictions:

- *CNTSHNUM* cannot be left blank.
- Enter "NA," or use this field for internal tracking purposes.

COC_MATRIX

Definition: The Chain-of-Custody Matrix is the code identifying the sample matrix as noted on the chain-of-custody (e.g., water, soil, etc.).

Attributes: C2

Included in Tables: SAMPLE

Guidelines & Restrictions:

- *COC_MATRIX* is an optional field and may be left blank.
- *COC_MATRIX* must contain a valid value if populated.
- *COC_MATRIX* is a linking field with the EDMS2000 electronic COC tables.

Acceptable *COC_MATRIX* Values:

CODE	DESCRIPTION
A	Air
L	Liquid Organic
M	Multi-Phase
SO	Soil/Solid
T	Tissue
W	Water

COCNUM

Definition: The Chain-of-Custody Number is the number assigned to the chain-of-custody by the field organization.

Attributes: C16

Included in Tables: SAMPLE

Guidelines & Restrictions:

- *COCNUM* cannot be left blank when *QCCODE* = "CS," and must be left blank for all other *QCCODE*s.

DILFAC

Definition: The Dilution Factor is the numeric factor indicating the level of sample dilution.

Attributes: N10

Included in Tables: RESULTS

Guidelines & Restrictions:

- *DILFAC* cannot be left blank.
- *DILFAC* must be greater than zero. Use "1" as the default.
- Detection limits should be adjusted for dilution.

DQO_ID

Definition: The Data Quality Objectives ID is the unique identifier representing the data quality objectives.

Attributes: C25

Included in Tables: SAMPLE

Guidelines & Restrictions:

- *DQO_ID* is an optional field and may be left blank.
- *DQO_ID* is a linking field with the EDMS2000 electronic COC tables.

EXLABLOT

Definition: The Extraction QC Lot Number is an obsolete field and should always be left blank.

Attributes: C10

Included in Tables: TEST

Guidelines & Restrictions:

- *EXLABLOT* must always be left blank.

EXMCODE

Definition: The *EXMCODE* represents the Preparation Method performed on a sample.

Attributes: C7

Included in Tables: TEST
RESULTS
CL

Guidelines & Restrictions:

- *EXMCODE* cannot be left blank.
- *EXMCODE* must contain a valid value.
- There are five categories to differentiate the extraction or digestion procedure used in the analysis of a sample. They are:
    1. NONE - Selected when no preparation procedure is used or called for in the analytical method. Examples include determinations such as pH, temperature, percent moisture, etc.
    2. METHOD - Most commonly used with EPA drinking water procedures or laboratory modified methods where the preparation procedure is directly specified within the analytical method.
    3. DI - Sample is directly injected into the instrument.
    4. Specific EPA Methods - Documented, published methods for which a code exists in the *EXMCODE* valid value list.
    5. Field Preparation - For *ANMCODE* AK101 (Gasoline Range Organics), preparation can be performed in the field. The *EXMCODE* is "AK101PR" in this situation.

Acceptable *EXMCODE* Values:

CODE	DESCRIPTION
3510ALI	Separatory Funnel Liq.-Liq. Ext. (Aliphatic Fraction)
3510ARO	Separatory Funnel Liq.-Liq. Ext. (Aromatic Fraction)
3550ALI	Sonication Extraction (Aliphatic Fraction)
3550ARO	Sonication Extraction (Aromatic Fraction)
A5520D	Soxhlet Extraction Method for Oil and Grease
A9221C	Standard Method 9221 C: Estimation of Bacterial Density
AK101PR	Field Preparation Method for AK101
CAPBO	Determination of Organic Lead DHS Method

CODE	DESCRIPTION
CLAA	Contract Lab Prog. Digestion for AA/ICP Analysis
CLFAA	Contract Lab Prog. Digestion for Furnace Analysis
D91AVSM	Draft 1991-Determination of Acid Volatile in Sediment
DI	Direct Injection
DU	Data Unavailable
E200.2	Prep. for Spectral Chemical Determin. of Total Recov. Elements
E200.3	Preparation for Total Recoverable Metals in Biological Tissue
E200.8	Inductively Coupled Plasma/Mass Spectroscopy
E245.1	Mercury (Cold Vapor, Manual)
E6045	PCB Oil
LA29B	State of Louisiana (29-B) Extraction of Total Barium
METHOD	Extraction Method Specified in Analytical Method
MSADTPA	Extraction with Ammonium Bicarbonate-DTPA
MSANH4N	Extraction of Exchangeable Ammonium and Nitrate/Nitrite
MSASAT	Saturation Extraction
N5503	PCBs in Air: Method 5503, NIOSH Man. of Anal. Methods, 4th Ed.
NH4OAC	USDA Handbook No. 60: NH4OAC Extract
NONE	No Extraction Required for this Method
REACT	Reactivity
SW1310A	Extraction Procedure (EP) Toxicity Test Method
SW1311	Toxicity Characteristic Leaching Procedure
SW1312	Synthetic Precipitation Leaching Procedure
SW3005	Digestion for Total Recoverable Metals for Flame AA
SW3005A	Acid Digestion of Waters for Total Recov. or Dissolved Metals
SW3010	Digestion for Total Metals for Flame AA and ICP
SW3010A	Acid Digest. of Aqueous Samples/Extracts for Total Metals FAA/ICP
SW3015	Microwave-Assisted Acid Digestion of Aqueous Samples
SW3020	Digestion for Total Metals for Furnace AA
SW3020A	Acid Digest. of Aqueous Samples/Extracts for Total Metals GFAA
SW3040	Dissolution Procedure for Oils, Greases, or Waxes
SW3050	Acid Digestion of Sediments, Sludges, and Soils
SW3050A	Acid Digestion of Sediments, Sludges, and Soils
SW3050B	Acid Digestion of Sediments, Sludges, and Soils
SW3051	Microwave-Assisted Acid Digestion of Soils and Sediments
SW3051M	Modified SW-846, Method 3051 (Closed Vessel Oil Digestion)
SW3060	Alkaline Digestion of Soil and Solid Waste
SW3060A	Alkaline Digestion for Hexavalent Chromium
SW3500	Organic Extraction and Sample Preparation
SW3500A	Organic Extraction and Sample Preparation
SW3510	Separatory Funnel Liquid-Liquid Extraction
SW3510A	Separatory Funnel Liquid-Liquid Extraction
SW3510B	Separatory Funnel Liquid-Liquid Extraction
SW3510C	Separatory Funnel Liquid-Liquid Extraction
SW3520	Continuous Liquid-Liquid Extraction
SW3520A	Continuous Liquid-Liquid Extraction
SW3520B	Continuous Liquid-Liquid Extraction

CODE	DESCRIPTION
SW3520C	Continuous Liquid-Liquid Extraction
SW3535	Solid Phase Extraction (SPE)
SW3540	Soxhlet Extraction
SW3540A	Soxhlet Extraction
SW3540B	Soxhlet Extraction
SW3540C	Soxhlet Extraction
SW3541	Automated Soxhlet Extraction
SW3545	Pressurized Fluid Extraction
SW3550	Sonication Extraction
SW3550A	Ultrasonic Extraction
SW3550B	Ultrasonic Extraction
SW3580	Waste Dilution
SW3580A	Waste Dilution
SW3810	Headspace
SW5030	Purge-and-Trap
SW5030A	Purge-and-Trap
SW5030B	Purge-and-Trap for Aqueous Samples
SW5035	Closed-System Purge-and-Trap/Extraction for Volatile Organics
SW5040	Protocol for Analysis of Sorbent Cartridges from Volatile Organic
SW5050	Total Halogens as Chloride
SW7.3.3	Reactive Cyanide
SW7.3.4	Reactive Sulfide
SW7060	Arsenic
SW7060A	Arsenic
SW7061	Arsenic
SW7061A	Arsenic
SW7470	Mercury
SW7470A	Mercury
SW7471	Mercury Preparation in Solid or Semisolid Waste
SW7471A	Mercury Preparation in Solid or Semisolid Waste
SW7741	Selenium
SW7741A	Selenium
SW7742	Selenium
SW824D	SW8240(B) Direct Injection Technique
SW9071	Oil and Grease Extraction Method for Sludge Samples
WOS	Water Extraction of Soils

EXPECTED

Definition: The Expected value is the target result for a quality control sample.

Attributes: N14

Included in Tables: QC

Guidelines & Restrictions:

- *EXPECTED* must be blank when *QCCODE* = "CS," "NC," "LB," or "RS."
- *EXPECTED* cannot be left blank if *CLREVDATE* is populated.
- If *UNITS* = "PERCENT," enter "100" into *EXPECTED.*
- For spiked environmental samples (i.e., matrix spikes), enter the **amount of the spike added plus the sample result value** (*PARVAL*) into *EXPECTED*.
- *EXPECTED* must be greater than or equal to zero.

EXTDATE

Definition: The Preparation Date is the date a sample is extracted or prepared for analysis.

Attributes: D8

Included in Tables: TEST
RESULTS

Guidelines & Restrictions:

- All date fields must be in the YYYYMMDD format.
- *EXTDATE* cannot be left blank.
- *EXTDATE* must be earlier than or equal to *ANADATE*.
- *EXTDATE* must be later than or equal to *RECDATE*.
- *EXTDATE* must be later than or equal to *LOGDATE.*
- *EXTDATE* must be earlier than or equal to *REP_DATE*.

LAB_METH_GRP

Definition: The Lab Method Group is the unique identifier for a group of methods as defined by the laboratory.

Attributes: C25

Included in Tables: SAMPLE
TEST
RESULTS
QC
CL

Guidelines & Restrictions:

- *LAB_METH_GRP* is an optional field and may be left blank.
- *LAB_METH_GRP* is a linking field with the EDMS2000 electronic COC tables.

LAB_REPNO

Definition: The Laboratory Report Number is the laboratory-assigned number uniquely identifying the hard copy and electronic data deliverable (EDD) report.

Attributes: C20

Included in Tables: TEST

Guidelines & Restrictions:

- *LAB_REPNO* cannot be left blank when *QCCODE* = "CS," and must be left blank in all other cases.
- *LAB_REPNO* must be unique.

LABCODE

Definition: The *LABCODE* represents the analytical Laboratory that receives the samples (not necessarily the laboratory that performs the analyses).

Attributes: C4

Included in Tables: SAMPLE
TEST
RESULTS
QC
CL

Guidelines & Restrictions:

- *LABCODE* cannot be left blank.
- *LABCODE* must contain a valid value.

Acceptable *LABCODE* Values Sorted by Code:

CODE	DESCRIPTION
ACZ	ACZ Laboratories, Steamboat, CO
AEHA	Army Environmental Hygiene Agency (AEHA), APG, MD
AELF	American Environmental Laboratories, Pensacola, FL
AENP	American Environmental Network, Portland, OR
ALTC	Alta Analytical Lab Incorporated, El Dorado Hills, CA
APPL	Agriculture & Priority Pollutants Laboratories, Fresno, CA
ARDL	Applied Research and Development Lab, Inc., (ARDL) Mt. Vernon, IL
ARI	Analytical Resources, Inc., Seattle, WA
ATCA	Analytica, Anchorage, AK
ATCC	Analytica, CO
ATIA	Analytical Technologies, Inc., Anchorage, AK
ATIR	Analytical Technologies, Inc., Renton, WA
ATIS	Analytical Technologies, Inc., San Diego, CA
ATOX	Air Toxics LTD, Folsom, CA
AXYS	Axys Analytical Services, Ltd., Sidney, B.C., Canada
BCE	Brown & Caldwell Analytical Lab, Emeryville, CA
BCLB	BC Laboratories, Bakersfield, CA
BMLA	Boreochem Mobile Lab & Analytical Services
BRS	Brelje & Race, Santa Rosa, CA
CASB	Columbia Analytical Services, Inc., Bothell, WA
CASD	Columbia Analytical Services, Inc., Redding, CA
CASK	Columbia Analytical Services, Inc., Kelso, WA

CODE	DESCRIPTION
CASL	Columbia Analytical Services, Inc., Canoga Park, CA
CAWL	California Water Labs, Inc., Modesto, CA
CCAC	Coast-to-Coast Analytical Services, Inc., Camarillo, CA
CCSJ	Coast-to-Coast Analytical Services, Inc., San Jose, CA
CDM	CDM Federal Programs Corporation
CHEM	Chemic Laboratory, San Diego, CA
CHMC	CH2M Hill Analytical Services, Corvallis, OR
CHMM	CH2M Hill Analytical Services, Montgomery, AL
CHRP	Chromalab, Inc., Pleasanton, CA
CKY	CKY Inc., Torrance, CA
CLSR	California Laboratory Services, Rancho Cordova, CA
CLTP	Clayton Environmental Consultants, Inc., Pleasanton, CA
CRLB	Century Refining (CENREF) Labs, Inc., Brighton, CO
CTB	Curtis & Tompkins, Berkeley, CA
CTE	CT&E Environmental Services, Inc., Anchorage, AK
CTEC	CT&E Environmental Services, Inc., Charleston, WV
DCHM	DataChem Laboratories, Inc., Salt Lake City, UT
DMP	D & M Laboratories, Petaluma, CA
DOWL	Dowl Engineering Alaska Test Labs, Anchorage, AK
DU	Data Unavailable
ECEN	Ecology & Environment, Inc.
ECI	EcoChem, Inc., Seattle, WA
ECLL	Environmental Chemistry Lab at LLNL, Livermore, CA
EEIS	Envirodyne Engineers, Inc., St. Louis, MO
EMXT	EMAX Laboratories, Inc., Torrance, CA
ETCS	ETC, Santa Rosa, CA
FGIS	Frontier Geosciences, Inc., Seattle, WA
FGL	Fruit Growers Lab, Stockton, CA
FORA	Forensic Analytical
GELC	General Engineering Laboratories, Inc., Charleston, SC
GENC	GTEL Environmental Labs, Inc., Concord, CA
KIC	KIC Lab, Prudhoe Bay, AK
LAL	Lockheed Analytical Laboratory, Las Vegas, NV
LASL	Los Alamos Scientific Laboratory, Los Alamos, NM
LDC	Laboratory Data Consultants
LTL	Laucks Testing Lab, Inc.
MEC	MEC Analytical Systems, Inc., Carlsbad, CA
MSSL	Mountain States Analytical, Salt Lake City, UT
MWLP	Montgomery Watson Laboratories, Pasadena, CA
NA	Not Applicable
NCAB	North Creek Analytical, Bothell, WA
NCAC	North Creek Analytical, Bend, OR
NCAP	North Creek Analytical, Beaverton, OR
NCAS	North Creek Analytical, Spokane, WA
NTL	Northern Testing Laboratories, Anchorage, AK
NTLF	Northern Testing Laboratories, Fairbanks, AK

CODE	DESCRIPTION
NWCC	Northwest Colorado Consultants, Inc., Steamboat Springs, CO
OEIR	OnSite Environmental, Inc., Redmond, WA
PAC	Pacific Analytical, Carlsbad, CA
PAIS	Performance Analytical, Inc., Simi Valley, CA
PARA	Paragon Analytics, Inc., CO
PHLE	Philip Environmental
QALA	Quality Analytical Laboratores, Inc., Montgomery, AL
QALC	Quality Analytical Laboratories, Inc., Redding, CA
RFWC	Roy F. Weston, West Chester, PA
RFWS	Roy F. Weston, Stockton, CA
SAS	Sound Analytical Services, Inc., Tacoma, WA
SC3S	S-Cubed, A Division of Maxwell Laboratories, Inc., San Diego, CA
SEQR	Sequoia Analytical Laboratories, Inc., Redwood City, CA
SPEC	Spectra Laboratory, Inc., Tacoma, WA
STL1	Severn Trent Laboratories, Arvada, CO
STL2	Severn Trent Laboratories, Edison, NJ
STL3	Severn Trent Laboratories, Santa Ana, CA
STL4	Severn Trent Laboratories, Miramar, FL
STL5	Severn Trent Laboratories, Newburgh, NY
STL6	Severn Trent Laboratories, Colchester, VT
STL7	Severn Trent Laboratories, Aurora, CO
STLB	Severn Trent Laboratories, Sparks, MD
STLC	Severn Trent Laboratories, North Canton, OH
STLD	Severn Trent Laboratories, Austin, TX
STLE	Severn Trent Laboratories, Tallahassee, FL
STLF	Severn Trent Laboratories, Tampa, FL (Quanterra)
STLG	Severn Trent Laboratories, Savannah, GA
STLH	Severn Trent Laboratories, Houston, TX
STLI	Severn Trent Laboratories, Pensacola, FL
STLJ	Severn Trent Laboratories, N. Billerica, MA
STLK	Severn Trent Laboratories, Knoxville, TN
STLL	Severn Trent Laboratories, Earth City, MO
STLM	Severn Trent Laboratories, Monroe, CT
STLN	Severn Trent Laboratories, Anaheim, CA
STLO	Severn Trent Laboratories, Mobile, AL
STLP	Severn Trent Laboratories, Pittsburgh, PA
STLQ	Severn Trent Laboratories, Amherst, NY
STLR	Severn Trent Laboratories, Richland, WA
STLS	Severn Trent Laboratories, West Sacramento, CA
STLT	Severn Trent Laboratories, Austin, TX (Quanterra)
STLU	Severn Trent Laboratories, University Park, IL
STLV	Severn Trent Laboratories, Valparaiso, IN
STLW	Severn Trent Laboratories, Westfield, MA
STLX	Severn Trent Laboratories, Tampa, FL (Savannah)
STLY	Severn Trent Laboratories, Whippany, NJ
STLZ	Severn Trent Laboratories, Corpus Christi, TX

CODE	DESCRIPTION
SWAA	Shannon & Wilson, Inc., Anchorage, AK
SWLB	Southwest Laboratory
SWRI	Southwest Resarch Institute, San Antonio, TX
TRID	Triangle Laboratories, Inc., Durham, NC

Acceptable *LABCODE* Values Sorted by Description:

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ATOX	Air Toxics LTD, Folsom, CA
ALTC	Alta Analytical Lab Incorporated, El Dorado Hills, CA
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AENP	American Environmental Network, Portland, OR
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ARI	Analytical Resources, Inc., Seattle, WA
ATIA	Analytical Technologies, Inc., Anchorage, AK
ATIR	Analytical Technologies, Inc., Renton, WA
ATIS	Analytical Technologies, Inc., San Diego, CA
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AEHA	Army Environmental Hygiene Agency (AEHA), APG, MD
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CASD	Columbia Analytical Services, Inc., Redding, CA
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CTEC	CT&E Environmental Services, Inc., Charleston, WV

CODE	DESCRIPTION
CTB	Curtis & Tompkins, Berkeley, CA
DMP	D & M Laboratories, Petaluma, CA
DU	Data Unavailable
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DOWL	Dowl Engineering Alaska Test Labs, Anchorage, AK
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STLQ	Severn Trent Laboratories, Amherst, NY
STLN	Severn Trent Laboratories, Anaheim, CA
STL1	Severn Trent Laboratories, Arvada, CO

CODE	DESCRIPTION
STL7	Severn Trent Laboratories, Aurora, CO
STLD	Severn Trent Laboratories, Austin, TX
STLT	Severn Trent Laboratories, Austin, TX (Quanterra)
STL6	Severn Trent Laboratories, Colchester, VT
STLZ	Severn Trent Laboratories, Corpus Christi, TX
STLL	Severn Trent Laboratories, Earth City, MO
STL2	Severn Trent Laboratories, Edison, NJ
STLH	Severn Trent Laboratories, Houston, TX
STLK	Severn Trent Laboratories, Knoxville, TN
STL4	Severn Trent Laboratories, Miramar, FL
STLO	Severn Trent Laboratories, Mobile, AL
STLM	Severn Trent Laboratories, Monroe, CT
STLJ	Severn Trent Laboratories, N. Billerica, MA
STL5	Severn Trent Laboratories, Newburgh, NY
STLC	Severn Trent Laboratories, North Canton, OH
STLI	Severn Trent Laboratories, Pensacola, FL
STLP	Severn Trent Laboratories, Pittsburgh, PA
STLR	Severn Trent Laboratories, Richland, WA
STL3	Severn Trent Laboratories, Santa Ana, CA
STLG	Severn Trent Laboratories, Savannah, GA
STLB	Severn Trent Laboratories, Sparks, MD
STLE	Severn Trent Laboratories, Tallahassee, FL
STLF	Severn Trent Laboratories, Tampa, FL (Quanterra)
STLX	Severn Trent Laboratories, Tampa, FL (Savannah)
STLU	Severn Trent Laboratories, University Park, IL
STLV	Severn Trent Laboratories, Valparaiso, IN
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SWLB	Southwest Laboratory
SWRI	Southwest Resarch Institute, San Antonio, TX
SPEC	Spectra Laboratory, Inc., Tacoma, WA
TRID	Triangle Laboratories, Inc., Durham, NC

LABDL

Definition: The *LABDL* represents the Laboratory-Established Method Detection Limit (i.e., the minimum detectable concentration of an analyte that can be measured and reported with 99% confidence that the analyte concentration is different from a blank for a given matrix).

Attributes: N9

Included in Tables: RESULTS

Guidelines & Restrictions:

- *LABDL* cannot be left blank, except when *UNITS* = "PERCENT" (e.g., surrogate parameters), or *PARVQ* = "TI" (i.e., for TIC parameters).
- *LABDL* must be adjusted for dilution.
- *LABDL* may contain the same value as the *REPDL* field, depending on the reporting format of the individual laboratory. In this case, the *REPDLVQ* should indicate that the *REPDL* is actually the *LABDL* value (e.g., "MDL" would be an appropriate *REPDLVQ* when *LABDL* and *REPDL* are equal).
- *LABDL* must be greater than or equal to zero.

LABLOTCTL

Definition: The Lab QC Lot Number is a unique identifier for an autonomous batch or group of environmental samples prepared together, and sharing the same quality control within the same time period. This group is equivalent to the EPA SW-846 concept of a "Quality Assurance Batch."

Attributes: C10

Included in Tables: TEST
QC

Guidelines & Restrictions:

- *LABLOTCTL* cannot be left blank.
- *LABLOTCTL* in the TEST file must have a matching record in the QC file.

LABQCID

Definition: The Laboratory QC Sample ID is a laboratory-assigned QC sample ID. This field is equivalent to the *LABSAMPID* in the TEST file.

Attributes: C12

Included in Tables: QC

Guidelines & Restrictions:

- *LABQCID* cannot be left blank.
- *LABQCID* must be unique.

LABREFID

Definition: The Laboratory Reference Sample ID is the laboratory-assigned sample ID of the sample upon which the QC sample is referenced in order to calculate the QC result. A reference sample is used in conjunction with a QC sample (*LABQCID*) to determine precision and accuracy.

Attributes: C12

Included in Tables: QC

Guidelines & Restrictions:

- *LABREFID* cannot be left blank when *QCCODE* = "MS/SD" or "LR," and must be left blank in all other cases.
- Enter the *LABSAMPID* of the client sample that was spiked or replicated in the *LABREFID* field.

LABSAMPID

Definition: The Laboratory Sample ID is the unique identifier assigned to a sample by the laboratory performing the analysis.

Attributes: C12

Included in Tables: TEST
RESULTS

Guidelines & Restrictions:

- *LABSAMPID* cannot be left blank.
- *LABSAMPID* must be unique.
- In the QC file, *LABSAMPID* is equivalent to the *LABQCID*.

LNOTE

Definition: The *LNOTE* field is used for Laboratory Notes (descriptive notes and/or data qualifiers that may be used to more completely describe the analytical data). Notes may be applied to both the test and result records, and are also known as "*TLNOTE*" and "*RLNOTE*" respectively.

Attributes: C20

Included in Tables: TEST
RESULTS

Guidelines & Restrictions:

- *LNOTE* may be left blank.
- *LNOTE* must contain a valid value if populated.
- The same set of *LNOTE*s may be used to qualify entire analytical tests or individual results.
- If more than one *LNOTE* is used, commas without spaces separate the codes (e.g., "AZ,B,CI").
- *LNOTE*s beginning with "V" are to be used by validators, and not by the analytical laboratory.

Acceptable *LNOTE* Values:

CODE	DESCRIPTION
A	EPA Flag - TIC is a suspected aldol-condensation product
AA	Kerosene range not reported due to overlap of hydrocarbons
AB	Diesel range not reported due to overlap of hydrocarbon range
AC	Heavier hydrocarbons contributing to diesel range quantitation
AD	Typical pattern for diesel
AE	Unknown hydrocarbon with a single peak
AF	Hydrocarbon response is in the C7-C12 range
AG	Hydrocarbon response is in the C9-C12 range
AH	Hydrocarbon response is in excess of C22
AJ	Heavier hydrocarbon than diesel
AK	Lighter hydrocarbon than diesel
AL	Hydrocarbon response is in the C8-C12 range
AM	Hydrocarbon response is in the C12-C22 range
AN	Unknown hydrocarbon with several peaks
AO	Typical pattern for gasoline

CODE	DESCRIPTION
AP	Hydrocarbon response is in the C7-C14 range
AQ	Hydrocarbon response is in the C9-C14 range
AR	Hydrocarbon response is in excess of C10
AS	Heavier hydrocarbon than gasoline
AT	Lighter hydrocarbon than gasoline
AU	Injection precision not met
AW	Detection limit increased due to dilution factor
AX	Sample too dilute to quantify surrogate
AY	Matrix interference suspected
AZ	Surr. recovery outside of acceptance limits due to matrix interf.
B	EPA Flag - Analyte present in the blank and the sample
BA	Relative percent difference out of control
BB	Sample > 4x spike concentration
BC	Matrix spike out of control, lab control sample within limits
BD	Concentration value greater than 25% difference between columns
BE	Low surrogate recovery; analyzed twice
BF	Reporting limits raised due to high hydrocarbon background
BG	Reporting limits raised due to interelement interference
BH	Reporting limits raised due to high level of non-target analytes
BI	Sample does not resemble standard
BJ	Analyte detected in blank and sample
BK	Hexavalent chromiun not available; total chromium analyzed
BL	Compound unidentified at a second dilution
BM	Sustains ignition
BN	Ignites but does not sustain ignition
BO	Foaming during purge cycle
BP	Sample type i, a millable solid
BQ	Sample type ii, a liquid solid mixture
BR	Sample type iii, a non-filterable, non-millable sludge
BS	Insufficient sample available to follow standard QC procedures
BT	Insufficient sample to perform the analysis
BU	Sample analyzed after holding time expired
BV	Sample received after holding time expired
BW	Sample extract analyzed after holding time expired
BX	Sample stored at improper temperature
BY	Sample received at improper temperature
BZ	Sample preserved improperly
C	EPA Flag - Pesticide result confirmed using GC/MS
CA	Sample contains white precipitate
CB	Sample contains floculant material
CC	Sample contains free product
CD	Sample contains multiple phases
CE	Sample not homogeneous
CF	Sample releases strong sulfur odor
CG	Sample releases strong solvent odor
CH	Sample releases strong petroleum odor

CODE	DESCRIPTION
CI	See narrative
CJ	Analyte concentration is in excess of the instrument calibration
CK	Initial analysis within holding time but failed QA/QC criteria
CL	Initial analysis within holding time but required dilution
CM	Reporting limits elevated due to low percent solids
CN	Hydrocarbon response in diesel range but does not resemble diesel
CO	Hydrocarbon response in gasoline range but does not resemble gas
CP	Analyte conc. detectable, but less than 10 times blank conc.
CQ	Analyte conc. greater that 10 times the blank conc.
CR	QC criteria not met, sample re-analyzed with similar results
CS	QC criteria not met due to analyte concentration near RDL
CT	QC criteria not met due to high level of analyte concentration
CU	Surrogate concentration diluted to not detectable during analysis
CV	Analysis was performed on a 2M KCl extract
CW	Carbonate alkalinity is zero because the sample's pH is < 8.3
CX	Analysis was performed on a 0.01N HCl extract
CY	Analysis was performed on a deionized water extract
CZ	Homogeneity could not be readily achieved using routine methods
D	EPA Flag - Analytes analyzed at a secondary dilution
DA	Non-fuel components excluded from the results calculation
DB	QA results outside of acceptance limits due to matrix effects
DC	Sample produced an emulsion during preparation
DD	A precipitate formed in the extract during sample preparation
DE	Toxic interferences suspected
DF	Reporting limits elevated due to matrix interferences
DG	Reporting limits elevated due to sample dilution
DH	Reporting limits elevated due to insufficient sample quantity
DI	The estimated TIC conc. is < the standard method reporting limit
DJ	TIC identification based on mass fragmentation pattern only
DK	TIC identification based on RT and mass fragmentation pattern
DL	Quantified using 30-weight motor oil standard
DM	Multi-component hydrocarbon mixture
DN	2-Sigma Error
DO	Coelution
DP	Detected at or above the MRL; refer to reports
DQ	QC results not applicable because of sample matrix
DR	Spiked amount less than five times background level
DS	Batch Quality Assurance data from another project
DT	Method detection limit elevated
DU	Insufficient sample quantity for matrix spike/dup matrix spike
DV	Corr. coef. for Method of Standard Addition is less than 0.995
DW	Sample result is less than reported value
DX	Value < lowest standard (MQL), but > than MDL
DY	Compound identified is an analysis at a secondary dilution factor
DZ	The positive result is an atypical pattern for diesel analysis
E	EPA Flag - Analyte exceeded the concentration range of the GC/MS

CODE	DESCRIPTION
EA	The positive result is an atypical pattern for gasoline analysis
EB	Value is estimated
EC	Value determined by the Method of Standard Addition
ED	Concentration of total analyte ND; therefore this analyte is ND
EF	Compound quantitated at a different dilution
EG	Compound quantitated at a 2x dilution factor
EH	Compound quantitated at a 5x dilution factor
EI	Compound quantitated at a 10x dilution factor
EJ	Compound quantitated at a 20x dilution factor
EK	Compound quantitated at a 50x dilution factor
EL	Compound quantitated at a 100x dilution factor
EM	Compound quantitated at a 200x dilution factor
EN	Compound quantitated at a 500x dilution factor
EO	Compound quantitated at a 1000x dilution factor
EP	Compound quantitated at > 1000x dilution factor
EQ	Holding time is 28 days by anal. NO3-NO2 on pres. split & sub NO2
ER	Thiocyanate not analyzed separately, free CN+SCN below RL free C
ES	Value undetected at the MDL
ET	Sample was extracted past end of recommended max. holding time
EU	LCS is outside of acceptance limits. MS/DMS are accept., no corr.
EV	Modified method; see narrative
EW	Surr. recovery outside of acceptance limits, spike recov. accept.
EX	Matrix spike diluted to not detectable during analysis
EY	Result exceeds normal dynamic range; reported as a min. est.
EZ	Peak coelution, sample concentration may be artificially high
FA	Peak coelution, sample concentration may be artificially low
FB	QC ion deviation > 20% relative to labeled std. used for quant.
FC	Quantitative interference
FD	Interferences affect 10% or more of the total PCDD/PCDF peak area
FE	Carbon-labeled int. std. with s/n ratio of < 10:1
FF	S/N ratio 10:1 for the int. std. and assoc. analytes
FG	Results rejected due to int. std. rec. outside QC limits
FH	Results are valid even though int. std. rec. outside QC limits
FI	Analyte in field sample and associated blank
FJ	Total DPE contribution to the total PCDF value > 10%
FK	EMPC values could be overestimated due to coelution
FL	Int. std. ion-abundance ratio measured out of accept. range
FM	Poorly resolved GC peak(s)
FN	Large closely eluting peak cannot be separated from result
FO	Est. maximum possible concentration (EMPC)
FP	Extractable hydrocarbons
FQ	Gasoline range organics calculated as JP-4 jet fuel
FR	Diesel range organics, calculated as JP-4 jet fuel
FS	Diesel range organics, as diesel
FT	Methanol extraction
FU	Heated purge

CODE	DESCRIPTION
FV	Purge volume 5 mL
FW	Purge volume 25 mL
FX	Analyte present in the instrument blank
FY	Chromatogram not typical of calibration standard
FZ	Identified by MS only; based on 1:1 response w/ internal stnd.
GA	Components not separable by this method; quantified together
GB	Matrix spike recovery not within control limits
GC	Second column confirmation performed
GD	Secondary column result.
GE	Post-digestion spike out of control limits
GF	Sample absorbance is less than 50% of spike absorbance
GG	Analytical results not reliable for this common lab contaminant
GH	Reporting limit must be considered an approximation
GI	Analyte confirmed by GC/MS
GJ	Result determined using SIM mode
GK	Quantitated as an isomer pair
GL	2,3,7,8-TCDF results have been confirmed on a DB-225 column
GM	Result calc. by avg. response factor from init. calib. curve
GN	Surrogate recovery is outside of control limits
GO	Result est. below lower calib. limit but above target limit
GP	Duplicate analysis not within control limits
GQ	Post-digest. spike recov. 40% - 85% due to matrix interference
GR	Internal standard recovery is outside method recovery limit
GS	Reporting limit(s) raised: high level target analyte in sample
GT	Post-digestion spike recovery <40% due to matrix interference
GU	>10% breakthrough in second carbon col. due to matrix effects
GV	Result detected is below the lowest standard and above zero
GW	Post-digestion spike recovery between 115%-150%
GX	All reporting limits raised due to high conc. dissolved solids
GY	Analyte assoc. with sample processing & analysis in lab environ.
GZ	Secondary ion used for quantitation
H	A holding time violation has occurred.
HA	Quantit. of unknown hydrocarbon(s) in sample based on diesel
HB	Quantit. of unknown hydrocarbon(s) in sample based on gasoline
HC	Analyte is this compound or an isomer
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HE	Extract was run through separation method; see case narrative
HF	SW3630B clean-up method performed
HG	Result exceeds calib. range, but not lab's; considered valid
HH	Result exceeds linear range; concentration may be understated
HI	SW3611B clean-up method performed
HJ	Blank spike recovery not within control limits
HK	Calcium carbonate is greater than 5% of the sample weight
HL	Analyte recovery above established limit
HM	Analyte recovery below established limit
HN	Low concentration matrix spike recovery out of limits

CODE	DESCRIPTION
HO	High concentration matrix spike recovery out of limits
HP	Low concentration blank spike recovery out of limits
HQ	High concentration blank spike recovery out of limits
HR	Post-digestion spike
HS	Spike analyte recovery is outside stated control limits
HT	Analytical value calculated using results from associated tests
HU	Sample diluted beyond ability to quantitate % recovery and RPD
HV	Standard preparation factor adjusted, or aliquot diluted
J	EPA Flag - Estimated value
M	A matrix effect is present.
N	EPA Flag - Presumptive evidence of a compound
P	EPA Flag - > 25% D for detected concentrations between 2 columns
PR	Preliminary result
R	EPA Flag - Data rejected
SG	A silica gel cleanup procedure was performed.
U	EPA Flag - Compound was analyzed for, but was not detected
UN	Data Unavailable
VA	Val. Qual.: Refer to report assoc. w/ sampling event for details
VB	Val. Qual.: Analyte present in the blank and the sample
VBX	Val. Qual.: Sample stored at improper temperature
VBY	Val. Qual.: Sample received at improper temperature
VC	Val. Qual.: Calibration nonconformances
VCD	Val. Qual.: Lab Control Sample dup. RPD outside of estab. limits
VDT	Val. Qual.: Diss. metal result > total, beyond stnd. meth. var.
VDX	Val. Qual.: Value < lowest standard (MQL), but > than MDL
VDZ	Val. Qual.: Positive result is atypical pattern for diesel anal.
VF	Val. Qual.: Compound is common field contaminant
VFB	Val. Qual.: Analyte detected in associated field blank
VFD	Val. Qual.: Field duplicate RPD outside of established limits
VFLB	Val. Qual.: Analyte detected in associated filter blank
VH	Val. Qual.: Holding Time exceedence
VHB	Val. Qual.: Result positively biased
VJ	Val. Qual.: Estimated value
VL	Val. Qual.: Compound is common lab contaminant
VLB	Val. Qual.: Result negatively biased
VLH	Val. Qual.: Lab control sample recoveries above estab. limits
VLL	Val. Qual.: Lab control sample recoveries below estab. limits
VM	Val. Qual.: Nonconformance due to matrix effects
VMB	Val. Qual.: Analyte detected in associated method blank
VMD	Val. Qual.: Matrix Spike dup. RPD outside of established limits
VMH	Val. Qual.: Matrix spike recoveries above established limits
VML	Val. Qual.: Matrix spike recoveries below established limits
VNB	Val. Qual.: Result bias cannot be determined
VP	Val. Qual.: Sample Chromat. pattern does not match calib. pattern
VPH	Val. Qual.: Post prep. spike recoveries above established limits
VPL	Val. Qual.: Post prep. spike recoveries below established limits

CODE	DESCRIPTION
VQ	Val. Qual.: QA/QC protocols were not met
VQB	Val. Qual.: QA/QC protocols not met for method blank
VQC	Val. Qual.: QA/QC protocols not met for calibration
VQH	Val. Qual.: QA/QC protocols not met for holding times
VQI	Val. Qual.: QA/QC protocols not met for internal standard
VQL	Val. Qual.: QA/QC protocols not met for lab control sample
VQM	Val. Qual.: QA/QC protocols not met for matrix spike/spike dup.
VQN	Val. Qual.: QC data does not exist (hist. data) or is unavailable
VQQ	Val. Qual.: PQL approx. due to QC or matrix effects
VQS	Val. Qual.: QA/QC protocols not met for surrogate recovery
VQT	Val. Qual.: QA/QC protocols not met for instr.12-hr tuning crit.
VQU	Val. Qual.: Non-detect above PQL; final result is now PQL
VR	Val. Qual.: Rejected value
VRB	Val. Qual.: Analyte detected in assoc. equipment rinsate blank
VRL	Val. Qual.: The MQL is above the regulatory limit
VS	Val. Qual.: Sample Receipt nonconformance
VSG	Val. Qual.: A silica gel cleanup procedure was performed
VSH	Val. Qual.: Surrogate recoveries above established limits
VSL	Val. Qual.: Surrogate recoveries below established limits
VSR	Val. Qual.: Semi-quantitative result
VTB	Val. Qual.: Analyte detected in associated trip blank sample
VU	Val. Qual.: Compound analyzed for but not detected

LOCID

Definition: The Location ID is a unique identifier assigned to a specific point (location) where measurements or samples are taken.

Attributes: C10

Included in Tables: SAMPLE
TEST

Guidelines & Restrictions:

- *LOCID* may be left blank.
- If *LOCID* is unknown (i.e., not present on the chain-of-custody), enter "DU" for "Data Unavailable."

LOGCODE

Definition: The *LOGCODE* represents the Field Organization that is responsible for collecting samples and related field data (i.e., environmental sampling information).

Attributes: C4

Included in Tables: SAMPLE
TEST

Guidelines & Restrictions:

- *LOGCODE* cannot be left blank when *QCCODE* = "CS," and must be left blank in all other cases.
- *LOGCODE* must contain a valid value.

Acceptable *LOGCODE* Values Sorted by Code:

CODE	DESCRIPTION
ABB	ABB Environmental Services Inc., Portland, ME
ABRF	ABR, Inc., Fairbanks, AK
ACUX	Acurex Corporation
ADPM	Aquarius Drilling and Pumps, Merced, CA
ADW	Arizona Department of Water Resources
AEHA	Army Environmental Hygiene Agency (AEHA), APG, MD
AEI	Ambler Exploration, Inc., Anchorage, AK
AEMC	American Environmental Management Corp., Rancho Cordova, CA
AERO	Aerovironment, Inc.
AGRA	AGRA Earth & Environmental, Fairbanks, AK
ANDX	Anderson Excavating
ANI	Anacon, Inc.
ANL	Argonne National Laboratory, Argonne, IL
APC	Anderson Pump Co., Chowchilla, CA
APER	Applied Environmental, Inc., Reston, VA
APPL	Agriculture & Priority Pollutant
ARAS	Applied Research Associates, Inc., South Royalton, VT
ARI	Analytical Resources, Inc., Seattle, WA
ATEC	ATEC Associates
ATIS	Analytical Technologies, Inc., San Diego, CA
AWR	A & W Environmental Drilling, RI
AWSP	Andrews Well Service, Perry, GA
AWWS	Allen Water Well Service
BAKC	Baker Environmental, Inc., Coraopolis, PA

CODE	DESCRIPTION
BAT	Battelle Columbus Division
BBR	Bill Belknap, Reedley, CA
BCG	Brown & Caldwell Analytical, Glendale, CA
BESC	Bristol Environmental Services Corporation
BESD	Bioenvironmental Eng. Services Division, USAF
BESH	Brewer Environmental Services, Honolulu, HI
BEYL	Beylik Drilling Co.
BLUR	Blue Ridge Associates, Inc., Spokane, WA
BMCD	Burns & McDonnell, Kansas City, MO
BOW	Bowser-Morner
BREA	Brown and Root Environmental, Albuquerque, NM
BREO	Brown and Root Environmental, Oak Ridge, TN
BSKF	BSK & Associates, Fresno, CA
BVA	B & V Waste Science & Technology Corp., Atlanta, GA
BVEA	Black & Veatch, Overland, KS
BVKC	B & V Waste Science & Technology Corp., Kansas City, MO
BWD	Bills Well and Drilling Co., Fayetteville, NC
CAL	California Analytical Lab
CALT	Calwater Drilling Co., Turlock, CA
CASS	Continental Analytical Services, Inc.
CAWL	California Water Labs, Inc.
CDMA	Camp, Dresser and McKee Federal Program Corp., Atlanta, GA
CECS	Converse Environmental Consultants, San Francisco, CA
CEEP	C-E Environmental, Inc., Portland, MN
CEFL	Cecon Corporation, Fort Lewis
CHEN	Chen Northern, Inc., San Antonio, TX
CHM	CH2M Hill
CHMA	CH2M Hill, Anchorage, AK
CHMR	CH2M Hill , Reno, NV
CHMS	CH2M Hill, Salt Lake City, UT
CLEA	Clearwater Environmental, AK
CLMK	USACE, Vicksburg District
CLMM	USACE, Memphis District
CLMN	USACE, New Orleans District
CLMS	USACE, St. Louis District
CLMV	USACE, Lower Mississippi Valley Division
CLWT	Calwater Drilling
CMRD	USACE, Mississippi River Division
CMRK	USACE, Kansas City District
CMRO	USACE, Omaha District
CNAB	USACE, Baltimore District
CNAD	USACE, North Atlantic Division
CNAN	USACE, New York District
CNAO	USACE, Norfolk District
CNAP	USACE, Philadelphia District
CNCB	USACE, Buffalo District

CODE	DESCRIPTION
CNCC	USACE, Chicago District
CNCD	USACE, North Central Division
CNCE	USACE, Detroit District
CNCR	USACE, Rock Island District
CNCS	USACE, St. Paul District
CNED	USACE, New England Division
CNGT	Chem-Nuclear Geotech, Grand Junction, CO
CNPD	USACE, North Pacific Division
CNPP	USACE, Portland District
CNPS	USACE, Seattle District
CNPW	USACE, Walla Walla District
CORD	USACE, Ohio River Division
CORH	USACE, Huntington District
CORL	USACE, Louisville District
CORN	USACE, Nashville District
CORP	USACE, Pittsburgh District
CPOA	USACE, Alaska District
CPOD	USACE, Pacific Ocean Division
CPOF	USACE, Far East District
CPOH	USACE, Honolulu District
CPOJ	USACE, Japan Engineer District
CRCT	CRC & Associates, Inc., Tulsa, OK
CRU	Charles R. Underwood, Sanford, NC
CSAC	USACE, Charleston District
CSAD	USACE, South Atlantic Division
CSAJ	USACE, Jacksonville District
CSAM	USACE, Mobile District
CSAS	USACE, Savannah District
CSAW	USACE, Wilmington District
CSPD	USACE, South Pacific Division
CSPK	USACE, Sacramento District
CSPL	USACE, Los Angeles District
CSPN	USACE, San Francisco District
CSWA	USACE, Albuquerque District
CSWD	USACE, Southwestern Division
CSWF	USACE, Fort Worth District
CSWG	USACE, Galveston District
CSWL	USACE, Little Rock District
CSWT	USACE, Tulsa District
CTAC	USACE, Transatlantic Programs Center
CTAE	USACE, Europe Programs Center
CTEA	CT&E Environmental Services, Inc., Anchorage, AK
CWP	Carolina Well and Pump, Co., Sanford, NC
DCPT	DataChem Professionals, Tampa, FL
DDA	Discovery Drilling, Anchorage, AK
DDI	Denali Drilling, Inc., Anchorage, AK

CODE	DESCRIPTION
DEE	Desert Earth Engineering
DHSC	California Department of Health Services
DLMV	Delmarva Drilling
DONC	SEC Donohue, Charleston, SC
DOWL	Dowl Engineers, Anchorage, AK
DPAS	Deer Park Analytical Services Division, Deer Park, TX
DU	Data Unavailable
DWR	Department of Water Resources
DYNC	Dynamac
EAH	E.A. Hoffman, CA
EAL	EAL Lab
EALM	Everett A. Loewenstein, Merced, CA
EBAA	EBASCO Services, Inc., Arlington, VA
EBAB	EBASCO Environmental, Bellevue, WA
EBAC	EBASCO Services, Inc., Santa Ana, CA
EBAN	EBASCO Environmental, Norcross, GA
EBAS	EBASCO Services, Inc., Oak Ridge, TN
EBRS	Evans Brothers
ECA	New York State Department of Environmental Conservation
ECCA	Environmental Chemical Corp., Aiea, HI
ECEN	Ecology & Environment, Inc.
ECI	EcoChem, Inc.
ECJP	E.C. Jordan Co., Portland, ME
EDP	Effinger Drill & Pump Service
EEIS	Envirodyne Engineers, Inc., St. Louis, MO
EISR	Environmental Industrial Research Associates, Inc.
EMIA	Environmental Management, Inc., Anchorage, AK
ENAH	Edward K. Noda and Associates, Honolulu, HI
ENSE	Enserch Environmental, Bellevue, WA
ENSR	Enseco-Rocky Mountain Analytical, Denver, CO
ENVD	Environmental Drilling Corp.
EPJ	E.P. Johnson Construction & Environmental, Inc., Pasco, WA
EPJO	E.P. Johnson Construction & Environmental, Inc.
EPT	El Paso Testing Laboratories, Inc., El Paso, TX
ERG	Environmental Research Group
ERM	Environmental Resources Management, Inc.
ESA	Engineering-Science (ES), Atlanta, GA
ESCE	Environmental Services (ENSR) Consulting Engineer, Anchorage, AK
ESCI	Engineering-Science
ESE	Environmental Science & Engineering, Inc. (ESE Inc)
ESEG	Environmental Science & Engineering, Inc., Gainsville, FL
ESTA	EA Engineering Science & Technology, Inc., Atlanta, GA
ESTB	EA Engineering Science & Technology, Inc., Baltimore, MD
ESTK	EA Engineering Science & Technology, Inc., Fairbanks, AK
ESTL	EA Engineering Science & Technology, Inc., Lincoln, NE
ESTM	EA Engineering Science & Technology, Inc., Boston, MA

CODE	DESCRIPTION
ESTR	EA Engineering Science & Technology, Inc., Redmond, WA
ESTS	EA Engineering Science & Technology, Inc., Sparks, MD
ETC	Earth Technology Corporation
FA	Flood and Assoc.
FAA	Federal Aviation Administration
FEP	Foss Environmental, Portland, OR
FES	Foss Environmental, Seattle, WA
FHEA	Foothill Engineering Consultants, Inc., Anchorage, AK
FLD	Field Analysis
FOS	Foster-Wheeler, Bellevue, WA
FOX	Fox & Associates
GAM	Geraghty & Miller
GBC	Gobike and Bloomer, Chowchilla, CA
GEOE	Geoengineers, Inc., AK
GEOS	IHS Geotech/CMT, Inc., San Antonio, TX
GERC	Geochemical Environmental Research Group, College Station, TX
GERI	Geotechnical Resources, Inc., Beaverton, OR
GLDC	Golder & Associates, Anchorage, AK
GMA	Geraghty & Miller, Aiken, SC
GMP	Geraghty & Miller, Phoenix, AZ
GMSA	Geomatrix Consultants, Inc., Santa Ana Heights, CA
GOCB	G. Oscar Clayton Drilling Service, Buckeye, AZ
GRAM	Gram, Inc., Albuquerque, NM
GSI	Garry Struthers, Inc., Bellevue, WA
GSIM	Geosciences, Inc., Macon, GA
GTL	General Testing Labs of Kansas City, MO
GWDS	Graves Well Drilling, Inc., Sylacauga, AL
GWTC	Groundwater Technology, Inc., Chesapeake, VA
GWWG	Greenes Water Wells, Inc., Gray, GA
HARA	Hart Crowser, Anchorage, AK
HARC	Hart Crowser, Seattle, WA
HARG	Hargis & Associates
HART	Fred C. Hart Associates, Inc.
HBEH	USAF Hospital, Holloman Bioenvironmental Eng. Svcs., Holloman AFB
HDRO	Henningson, Duram & Richardson Engineering, Omaha, NE
HENM	Hennings Brothers Drilling Company, Inc., Modesto, CA
HESC	Harza Environmental Services, Inc., Chicago, IL
HET	H, E, and T, Inc.
HETA	Hydro-Environmental Technologies, Inc., Albany, NY
HGCL	HGCL Environmental Scientists and Engineers, Albuquerque, NM
HLA	Harding Lawson Associates, Anchorage, AK
HLAA	Harding Lawson Associates, Aiea, HI
HLAD	Harding Lawson Associates, Denver, CO
HLAN	Harding Lawson Associates, Novato, CA
HLTH	California State Health Lab
HRGT	Hargis & Associates, Tucson, AZ

CODE	DESCRIPTION
HTI	Hydro-Terra, Inc., Columbia, MD
ICFK	ICF Kaiser Engineers, Boston, MA
ICFP	ICF Kaiser Engineers, Pittsburgh, PA
ICFR	ICF Technology, Inc., Richland, WA
IEA	Industrial & Environmental Analysis
INSO	INSITU Technologies, Orlando, FL
ITC	International Technology Corporation, Knoxville, TN
ITCC	IT Corporation, Anchorage, AK
ITCM	IT (International Technology) Corporation, Martinez, CA
ITCN	International Technology Corporation, Nome, AK
ITCP	International Technology Corporation, St. Paul, MN
JA	JAYCOR, Vienna, VA
JBRF	J. B. Rogers, San Francisco, CA
JCCM	J. C. Click Driller, Mesa, AZ
JEG	Jacobs Engineering Group, Inc., Denver, CO
JEGA	Jacobs Engineering Group, Inc., Anchorage, AK
JEGM	Jacobs Engineering Group, Inc., Martinez, CA
JEGP	Jacobs Engineering Group, Inc., Pasadena, CA
JFHM	J. F. Hoffman, Merced, CA
JM	J. Mason
JMCW	James M. Montgomery, Consulting Engineers, Walnut Creek, CA
JMH	J. M. Hensley
JMSL	James M. Montgomery, Consulting Engineers, Salt Lake City, UT
JOHN	Johnson Drilling, Reedley, CA
JRB	JRB Associates
JSM	J. S. Murk Engineers
KBES	Kelly Air Force Base & Environmental Services
KJMM	Kenneth J. McAvoy, Madera, CA
KLNF	J. H. Kleinfelder & Associates
KSAF	Ken Schmidt and Associates, Fresno, CA
LACO	Layne Atlantic Company
LAW	Law Environmental, Inc., Kennesaw, GA
LAYN	Layne West
LDC	Laboratory Data Consultants
LES	Layne Environmental Services
LETC	Law Engineering Test Co. (Letco)
LFE	Louis F. Evans
LIND	Linde Company
LIVR	J. W. Livermore, CA
LKHD	Lockheed Georgia Co.
LLNL	Lawrence Livermore National Laboratory, Livermore, CA
LOHI	Larsen, Ohlinger and Hill, Inc., Merced, CA
LTL	Laucks Testing Lab, Inc.
MASM	Masellis Drilling, Modesto, CA
MCA	Molzin-Corbin & Assoc.
MCLD	McClelland Engineers

CODE	DESCRIPTION
MDM	Mitchell Drilling, Inc., Merced, CA
MDNR	Michigan Department of Natural Resources
MEI	Metcalf and Eddy, Inc.
MGIZ	Middle Georgia Water System, Inc., Zedulan, GA
MMES	Martin Marietta Energy Systems, Inc., Oakridge, TN
MOOD	Moodys of Dayton, OH
MPSO	Martin Pump and Supply, Oakdale, CA
MPWP	Malcolm Pirnie, White Plains, NY
MRDO	Missouri River Division, Corps. of Engineers Div. Lab., Omaha, NE
MTIE	Metatrace, Inc., Earth City, Mo
MWA	Montgomery Watson, Anchorage, AK
MWI	Montgomery Watson, Irvine, CA
MWS	Montgomery Watson, Seattle, WA
MWSL	Montgomery Watson, Salt Lake City, UT
MWSS	Montgomery Watson, Steamboat Springs, CO
MWWC	Montgomery Watson, Walnut Creek, CA
NA	Not Available
NOW	Nowicki & Associates, Inc.
NUS	NUS Corporation, Pittsburgh, PA
NUSH	Halliburton NUS Environmental Corporation, Oak Ridge, TN
OASI	OASIS Environmental, Inc., Anchorage, AK
OBG	O'Brien & Gere Engineers, Inc., Syracuse, NY
OCCA	Osterberg and Carroll, CA
OEHL	OEHL Brooks Air Force Base
OEIR	OnSite Environmental, Inc., Redmond, WA
OHM	O. H. Materials Corporation, Findlay, OH
OKDH	Oklahoma Department of Health
OLST	Olson Plumbing and Well Drilling, Turlock, CA
OSCA	Oil Spill Consultants, Inc., Anchorage, AK
OSM	Osterberg and Stewart, Modesto, CA
OSTB	Osterberg Brothers, CA
OSTR	Osterberg & Stewart, Inc.
OWRB	Oklahoma Water Resource Board
PAI	Phillips Alaska, Inc., Anchorage, AK
PEI	PEI Associates, Inc.
PHLE	Philip Environmental
PITL	Pittsburg Testing Laboratory
PPEC	Phelps Pump Equipment Co.
PRSN	Petrochem Recovery Services, Inc., Norfolk, VA
PSID	Professional Services Industries, Inc., Dallas, TX
PSIM	Professional Services Industries, Inc., Marietta, GA
PT	Pat Thompson
PVDN	Paug-Vik Development Corp., Naknek, AK
PWES	Parrat & Wolff, Inc., East Syracuse, NY
QALF	Quality Analytical Laboratories, Inc., Alachua, FL
QDA	Quality Drillers, Atwater, CA

CODE	DESCRIPTION
QTA	Quest Environmental, Anchorage, AK
QUES	Quest Environmental
RABA	Raba-Kistner Consultants, Inc., San Antonio, TX
RAD	Radian Corporation
RAS	Radian Analytical Services Lab - Austin, TX
RASA	Radian/SAIC
RDL	Research & Development Lab
REI	Resource Engineering, Houston, TX
REIG	Rust Environment & Infrastructure, Greenville, SC
RFW	Roy F. Weston, Inc.
RFWC	Roy F. Weston, Inc., West Chester, PA
RFWL	Roy F. Weston, Lionville Lab
RFWS	Roy F. Weston, Stockton Lab
RGGJ	Rust Geotech, Inc., Grand Junction, CO
RMCA	Roscoe Moss Company, AZ
RMI	Residuals Management, Inc. (RMI)
RMTM	RMT, Inc., Madison, WI
ROWE	Rowe Drilling Company
RRC	Riverbend Research Center
RTI	Research Triangle Institute, Research Triangle Park, NC
RWQD	Regional Water Quality Control Board
SAIB	Science Applications International Corporation, Bellevue, WA
SAIC	Science Applications International Corporation
SANL	Sandia National Laboratories, California, Livermore, CA
SBFC	San Bernardino Flood Control
SCS	USDA Soil Conservation Service
SDH	Simpson Drilling Co., Hilmar, CA
SEC	Soil Exploration Company, St. Paul, MN
SERB	C.E. Schmidt, PhD., Environmental Consultant, Red Bluff, CA
SHD	Sacramento County Health Department
SHI	Stang Hydronics, Inc.
SLAC	Singer-Layne-Atlantic Company
SLS	Savannah Labs, Savannah, GA
SRM	S. R. McKinney & Sons
SSI	SSI, Inc., TN
SWAA	Shannon & Wilson, Inc., Anchorage, AK
SWAF	Shannon & Wilson, Inc., Fairbanks, AK
SWL	Southwestern Laboratories, Inc., Austin, TX
SWLS	Southwestern Laboratories, Inc., San Antonio, TX
SWS	Shannon & Wilson, Inc., Seattle, WA
SWSA	Shannon & Wilson, Inc.
TARC	Target Environmental Services, Co., Columbia, MD
TCT	Twin City Testing, Inc.
TDS	Tonto Drilling Services, Inc.
TECI	Testing Engineers and Consultants, Inc., Troy, MI
TFMC	Thomas F. Madison, Cressey, CA

CODE	DESCRIPTION
TGGA	Trans Global Environmental Geochemistry, Austin, TX
TLLA	Tellus Ltd., Anchorage, AK
TRC	Tracer Research Corporation, Tucson, AZ
TRI	Triangle Laboratories of Houston, Inc., Sugarland, TX
TSI	Technical Services, Inc.
TTI	Tetra Tech, Inc., Pasadena, CA
TTIB	Tetra Tech, Inc., Bellevue, WA
TWC	Texas Water Commission, Austin, TX
UBTL	Utah Biomedical Testing Lab
UNCG	UNC Geotech, Grand Junction, CO
UOK	University of Oklahoma
URSA	URS Corporation, Anchorage, AK
URSC	URS Corporation, Seattle, WA
URSH	URS Corporation, Honolulu, HI
USAC	U.S. Army Corps of Engineers
USAF	U.S. Air Force
USBR	U.S. Bureau of Reclamation, Boulder City, NV
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
UURI	University of Utah Research Institute
WAFB	Wurtsmith Air Force Base
WAR	Water and Air Research, Inc.
WHAI	Walk, Haydel & Associates, Inc.
WLIC	Wellscon, Inc., Chandler, AZ
WS	17th Weather Squadron (MAC)
WSC	Water & Soil Consultants, Inc., Norman, OK
WSWP	W. S. Williams, Phoenix, AZ
WTRD	Water Development
WZN	Warzyn, Inc., Madison, WI

Acceptable *LOGCODE* Values Sorted by Description:

CODE	DESCRIPTION
WS	17th Weather Squadron (MAC)
AWR	A & W Environmental Drilling, RI
ABB	ABB Environmental Services Inc., Portland, ME
ABRF	ABR, Inc., Fairbanks, AK
ACUX	Acurex Corporation
AERO	Aerovironment, Inc.
AGRA	AGRA Earth & Environmental, Fairbanks, AK
APPL	Agriculture & Priority Pollutant
AWWS	Allen Water Well Service
AEI	Ambler Exploration, Inc., Anchorage, AK
AEMC	American Environmental Management Corp., Rancho Cordova, CA
ANI	Anacon, Inc.

CODE	DESCRIPTION
ARI	Analytical Resources, Inc., Seattle, WA
ATIS	Analytical Technologies, Inc., San Diego, CA
ANDX	Anderson Excavating
APC	Anderson Pump Co., Chowchilla, CA
AWSP	Andrews Well Service, Perry, GA
APER	Applied Environmental, Inc., Reston, VA
ARAS	Applied Research Associates, Inc., South Royalton, VT
ADPM	Aquarius Drilling and Pumps, Merced, CA
ANL	Argonne National Laboratory, Argonne, IL
ADW	Arizona Department of Water Resources
AEHA	Army Environmental Hygiene Agency (AEHA), APG, MD
ATEC	ATEC Associates
BVA	B & V Waste Science & Technology Corp., Atlanta, GA
BVKC	B & V Waste Science & Technology Corp., Kansas City, MO
BAKC	Baker Environmental, Inc., Coraopolis, PA
BAT	Battelle Columbus Division
BEYL	Beylik Drilling Co.
BBR	Bill Belknap, Reedley, CA
BWD	Bills Well and Drilling Co., Fayetteville, NC
BESD	Bioenvironmental Eng. Services Division, USAF
BVEA	Black & Veatch, Overland, KS
BLUR	Blue Ridge Associates, Inc., Spokane, WA
BOW	Bowser-Morner
BESH	Brewer Environmental Services, Honolulu, HI
BESC	Bristol Environmental Services Corporation
BCG	Brown & Caldwell Analytical, Glendale, CA
BREA	Brown and Root Environmental, Albuquerque, NM
BREO	Brown and Root Environmental, Oak Ridge, TN
BSKF	BSK & Associates, Fresno, CA
BMCD	Burns & McDonnell, Kansas City, MO
SERB	C.E. Schmidt, PhD., Environmental Consultant, Red Bluff, CA
CAL	California Analytical Lab
DHSC	California Department of Health Services
HLTH	California State Health Lab
CAWL	California Water Labs, Inc.
CLWT	Calwater Drilling
CALT	Calwater Drilling Co., Turlock, CA
CDMA	Camp, Dresser and McKee Federal Program Corp., Atlanta, GA
CWP	Carolina Well and Pump, Co., Sanford, NC
CEEP	C-E Environmental, Inc., Portland, MN
CEFL	Cecon Corporation, Fort Lewis
CHM	CH2M Hill
CHMR	CH2M Hill , Reno, NV
CHMA	CH2M Hill, Anchorage, AK
CHMS	CH2M Hill, Salt Lake City, UT
CRU	Charles R. Underwood, Sanford, NC

CODE	DESCRIPTION
CNGT	Chem-Nuclear Geotech, Grand Junction, CO
CHEN	Chen Northern, Inc., San Antonio, TX
CLEA	Clearwater Environmental, AK
CASS	Continental Analytical Services, Inc.
CECS	Converse Environmental Consultants, San Francisco, CA
CRCT	CRC & Associates, Inc., Tulsa, OK
CTEA	CT&E Environmental Services, Inc., Anchorage, AK
DU	Data Unavailable
DCPT	DataChem Professionals, Tampa, FL
DPAS	Deer Park Analytical Services Division, Deer Park, TX
DLMV	Delmarva Drilling
DDI	Denali Drilling, Inc., Anchorage, AK
DWR	Department of Water Resources
DEE	Desert Earth Engineering
DDA	Discovery Drilling, Anchorage, AK
DOWL	Dowl Engineers, Anchorage, AK
DYNC	Dynamac
EAH	E.A. Hoffman, CA
ECJP	E.C. Jordan Co., Portland, ME
EPJO	E.P. Johnson Construction & Environmental, Inc.
EPJ	E.P. Johnson Construction & Environmental, Inc., Pasco, WA
ESTA	EA Engineering Science & Technology, Inc., Atlanta, GA
ESTB	EA Engineering Science & Technology, Inc., Baltimore, MD
ESTM	EA Engineering Science & Technology, Inc., Boston, MA
ESTK	EA Engineering Science & Technology, Inc., Fairbanks, AK
ESTL	EA Engineering Science & Technology, Inc., Lincoln, NE
ESTR	EA Engineering Science & Technology, Inc., Redmond, WA
ESTS	EA Engineering Science & Technology, Inc., Sparks, MD
EAL	EAL Lab
ETC	Earth Technology Corporation
EBAB	EBASCO Environmental, Bellevue, WA
EBAN	EBASCO Environmental, Norcross, GA
EBAA	EBASCO Services, Inc., Arlington, VA
EBAS	EBASCO Services, Inc., Oak Ridge, TN
EBAC	EBASCO Services, Inc., Santa Ana, CA
ECI	EcoChem, Inc.
ECEN	Ecology & Environment, Inc.
ENAH	Edward K. Noda and Associates, Honolulu, HI
EDP	Effinger Drill & Pump Service
EPT	El Paso Testing Laboratories, Inc., El Paso, TX
ESCI	Engineering-Science
ESA	Engineering-Science (ES), Atlanta, GA
ENSR	Enseco-Rocky Mountain Analytical, Denver, CO
ENSE	Enserch Environmental, Bellevue, WA
EEIS	Envirodyne Engineers, Inc., St. Louis, MO
ECCA	Environmental Chemical Corp., Aiea, HI

CODE	DESCRIPTION
ENVD	Environmental Drilling Corp.
EISR	Environmental Industrial Research Associates, Inc.
EMIA	Environmental Management, Inc., Anchorage, AK
ERG	Environmental Research Group
ERM	Environmental Resources Management, Inc.
ESE	Environmental Science & Engineering, Inc. (ESE Inc)
ESEG	Environmental Science & Engineering, Inc., Gainsville, FL
ESCE	Environmental Services (ENSR) Consulting Engineer, Anchorage, AK
EBRS	Evans Brothers
EALM	Everett A. Loewenstein, Merced, CA
FAA	Federal Aviation Administration
FLD	Field Analysis
FA	Flood and Assoc.
FHEA	Foothill Engineering Consultants, Inc., Anchorage, AK
FEP	Foss Environmental, Portland, OR
FES	Foss Environmental, Seattle, WA
FOS	Foster-Wheeler, Bellevue, WA
FOX	Fox & Associates
HART	Fred C. Hart Associates, Inc.
GOCB	G. Oscar Clayton Drilling Service, Buckeye, AZ
GSI	Garry Struthers, Inc., Bellevue, WA
GTL	General Testing Labs of Kansas City, MO
GERC	Geochemical Environmental Research Group, College Station, TX
GEOE	Geoengineers, Inc., AK
GMSA	Geomatrix Consultants, Inc., Santa Ana Heights, CA
GSIM	Geosciences, Inc., Macon, GA
GERI	Geotechnical Resources, Inc., Beaverton, OR
GAM	Geraghty & Miller
GMA	Geraghty & Miller, Aiken, SC
GMP	Geraghty & Miller, Phoenix, AZ
GBC	Gobike and Bloomer, Chowchilla, CA
GLDC	Golder & Associates, Anchorage, AK
GRAM	Gram, Inc., Albuquerque, NM
GWDS	Graves Well Drilling, Inc., Sylacauga, AL
GWWG	Greenes Water Wells, Inc., Gray, GA
GWTC	Groundwater Technology, Inc., Chesapeake, VA
HET	H, E, and T, Inc.
NUSH	Halliburton NUS Environmental Corporation, Oak Ridge, TN
HLAA	Harding Lawson Associates, Aiea, HI
HLA	Harding Lawson Associates, Anchorage, AK
HLAD	Harding Lawson Associates, Denver, CO
HLAN	Harding Lawson Associates, Novato, CA
HARG	Hargis & Associates
HRGT	Hargis & Associates, Tucson, AZ
HARA	Hart Crowser, Anchorage, AK
HARC	Hart Crowser, Seattle, WA

CODE	DESCRIPTION
HESC	Harza Environmental Services, Inc., Chicago, IL
HENM	Hennings Brothers Drilling Company, Inc., Modesto, CA
HDRO	Henningson, Duram & Richardson Engineering, Omaha, NE
HGCL	HGCL Environmental Scientists and Engineers, Albuquerque, NM
HETA	Hydro-Environmental Technologies, Inc., Albany, NY
HTI	Hydro-Terra, Inc., Columbia, MD
ICFK	ICF Kaiser Engineers, Boston, MA
ICFP	ICF Kaiser Engineers, Pittsburgh, PA
ICFR	ICF Technology, Inc., Richland, WA
GEOS	IHS Geotech/CMT, Inc., San Antonio, TX
IEA	Industrial & Environmental Analysis
INSO	INSITU Technologies, Orlando, FL
ITC	International Technology Corporation, Knoxville, TN
ITCN	International Technology Corporation, Nome, AK
ITCP	International Technology Corporation, St. Paul, MN
ITCM	IT (International Technology) Corporation, Martinez, CA
ITCC	IT Corporation, Anchorage, AK
JBRF	J. B. Rogers, San Francisco, CA
JCCM	J. C. Click Driller, Mesa, AZ
JFHM	J. F. Hoffman, Merced, CA
KLNF	J. H. Kleinfelder & Associates
JMH	J. M. Hensley
JM	J. Mason
JSM	J. S. Murk Engineers
LIVR	J. W. Livermore, CA
JEGA	Jacobs Engineering Group, Inc., Anchorage, AK
JEG	Jacobs Engineering Group, Inc., Denver, CO
JEGM	Jacobs Engineering Group, Inc., Martinez, CA
JEGP	Jacobs Engineering Group, Inc., Pasadena, CA
JMSL	James M. Montgomery, Consulting Engineers, Salt Lake City, UT
JMCW	James M. Montgomery, Consulting Engineers, Walnut Creek, CA
JA	JAYCOR, Vienna, VA
JOHN	Johnson Drilling, Reedley, CA
JRB	JRB Associates
KBES	Kelly Air Force Base & Environmental Services
KSAF	Ken Schmidt and Associates, Fresno, CA
KJMM	Kenneth J. McAvoy, Madera, CA
LDC	Laboratory Data Consultants
LOHI	Larsen, Ohlinger and Hill, Inc., Merced, CA
LTL	Laucks Testing Lab, Inc.
LETC	Law Engineering Test Co. (Letco)
LAW	Law Environmental, Inc., Kennesaw, GA
LLNL	Lawrence Livermore National Laboratory, Livermore, CA
LACO	Layne Atlantic Company
LES	Layne Environmental Services
LAYN	Layne West

CODE	DESCRIPTION
LIND	Linde Company
LKHD	Lockheed Georgia Co.
LFE	Louis F. Evans
MPWP	Malcolm Pirnie, White Plains, NY
MMES	Martin Marietta Energy Systems, Inc., Oakridge, TN
MPSO	Martin Pump and Supply, Oakdale, CA
MASM	Masellis Drilling, Modesto, CA
MCLD	McClelland Engineers
MTIE	Metatrace, Inc., Earth City, Mo
MEI	Metcalf and Eddy, Inc.
MDNR	Michigan Department of Natural Resources
MGIZ	Middle Georgia Water System, Inc., Zedulan, GA
MRDO	Missouri River Division, Corps. of Engineers Div. Lab., Omaha, NE
MDM	Mitchell Drilling, Inc., Merced, CA
MCA	Molzin-Corbin & Assoc.
MWA	Montgomery Watson, Anchorage, AK
MWI	Montgomery Watson, Irvine, CA
MWSL	Montgomery Watson, Salt Lake City, UT
MWS	Montgomery Watson, Seattle, WA
MWSS	Montgomery Watson, Steamboat Springs, CO
MWWC	Montgomery Watson, Walnut Creek, CA
MOOD	Moodys of Dayton, OH
ECA	New York State Department of Environmental Conservation
NA	Not Available
NOW	Nowicki & Associates, Inc.
NUS	NUS Corporation, Pittsburgh, PA
OHM	O. H. Materials Corporation, Findlay, OH
OASI	OASIS Environmental, Inc., Anchorage, AK
OBG	O'Brien & Gere Engineers, Inc., Syracuse, NY
OEHL	OEHL Brooks Air Force Base
OSCA	Oil Spill Consultants, Inc., Anchorage, AK
OKDH	Oklahoma Department of Health
OWRB	Oklahoma Water Resource Board
OLST	Olson Plumbing and Well Drilling, Turlock, CA
OEIR	OnSite Environmental, Inc., Redmond, WA
OSTR	Osterberg & Stewart, Inc.
OCCA	Osterberg and Carroll, CA
OSM	Osterberg and Stewart, Modesto, CA
OSTB	Osterberg Brothers, CA
PWES	Parrat & Wolff, Inc., East Syracuse, NY
PT	Pat Thompson
PVDN	Paug-Vik Development Corp., Naknek, AK
PEI	PEI Associates, Inc.
PRSN	Petrochem Recovery Services, Inc., Norfolk, VA
PPEC	Phelps Pump Equipment Co.
PHLE	Philip Environmental

CODE	DESCRIPTION
PAI	Phillips Alaska, Inc., Anchorage, AK
PITL	Pittsburg Testing Laboratory
PSID	Professional Services Industries, Inc., Dallas, TX
PSIM	Professional Services Industries, Inc., Marietta, GA
QALF	Quality Analytical Laboratories, Inc., Alachua, FL
QDA	Quality Drillers, Atwater, CA
QUES	Quest Environmental
QTA	Quest Environmental, Anchorage, AK
RABA	Raba-Kistner Consultants, Inc., San Antonio, TX
RAS	Radian Analytical Services Lab - Austin, TX
RAD	Radian Corporation
RASA	Radian/SAIC
RWQD	Regional Water Quality Control Board
RDL	Research & Development Lab
RTI	Research Triangle Institute, Research Triangle Park, NC
RMI	Residuals Management, Inc. (RMI)
REI	Resource Engineering, Houston, TX
RRC	Riverbend Research Center
RMTM	RMT, Inc., Madison, WI
RMCA	Roscoe Moss Company, AZ
ROWE	Rowe Drilling Company
RFW	Roy F. Weston, Inc.
RFWC	Roy F. Weston, Inc., West Chester, PA
RFWL	Roy F. Weston, Lionville Lab
RFWS	Roy F. Weston, Stockton Lab
REIG	Rust Environment & Infrastructure, Greenville, SC
RGGJ	Rust Geotech, Inc., Grand Junction, CO
SRM	S. R. McKinney & Sons
SHD	Sacramento County Health Department
SBFC	San Bernardino Flood Control
SANL	Sandia National Laboratories, California, Livermore, CA
SLS	Savannah Labs, Savannah, GA
SAIC	Science Applications International Corporation
SAIB	Science Applications International Corporation, Bellevue, WA
DONC	SEC Donohue, Charleston, SC
SWSA	Shannon & Wilson, Inc.
SWAA	Shannon & Wilson, Inc., Anchorage, AK
SWAF	Shannon & Wilson, Inc., Fairbanks, AK
SWS	Shannon & Wilson, Inc., Seattle, WA
SDH	Simpson Drilling Co., Hilmar, CA
SLAC	Singer-Layne-Atlantic Company
SEC	Soil Exploration Company, St. Paul, MN
SWL	Southwestern Laboratories, Inc., Austin, TX
SWLS	Southwestern Laboratories, Inc., San Antonio, TX
SSI	SSI, Inc., TN
SHI	Stang Hydronics, Inc.

CODE	DESCRIPTION
TARC	Target Environmental Services, Co., Columbia, MD
TSI	Technical Services, Inc.
TLLA	Tellus Ltd., Anchorage, AK
TECI	Testing Engineers and Consultants, Inc., Troy, MI
TTIB	Tetra Tech, Inc., Bellevue, WA
TTI	Tetra Tech, Inc., Pasadena, CA
TWC	Texas Water Commission, Austin, TX
TFMC	Thomas F. Madison, Cressey, CA
TDS	Tonto Drilling Services, Inc.
TRC	Tracer Research Corporation, Tucson, AZ
TGGA	Trans Global Environmental Geochemistry, Austin, TX
TRI	Triangle Laboratories of Houston, Inc., Sugarland, TX
TCT	Twin City Testing, Inc.
USAF	U.S. Air Force
USAC	U.S. Army Corps of Engineers
USBR	U.S. Bureau of Reclamation, Boulder City, NV
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
UNCG	UNC Geotech, Grand Junction, CO
UOK	University of Oklahoma
UURI	University of Utah Research Institute
URSA	URS Corporation, Anchorage, AK
URSH	URS Corporation, Honolulu, HI
URSC	URS Corporation, Seattle, WA
CPOA	USACE, Alaska District
CSWA	USACE, Albuquerque District
CNAB	USACE, Baltimore District
CNCB	USACE, Buffalo District
CSAC	USACE, Charleston District
CNCC	USACE, Chicago District
CNCE	USACE, Detroit District
CTAE	USACE, Europe Programs Center
CPOF	USACE, Far East District
CSWF	USACE, Fort Worth District
CSWG	USACE, Galveston District
CPOH	USACE, Honolulu District
CORH	USACE, Huntington District
CSAJ	USACE, Jacksonville District
CPOJ	USACE, Japan Engineer District
CMRK	USACE, Kansas City District
CSWL	USACE, Little Rock District
CSPL	USACE, Los Angeles District
CORL	USACE, Louisville District
CLMV	USACE, Lower Mississippi Valley Division
CLMM	USACE, Memphis District
CMRD	USACE, Mississippi River Division

CODE	DESCRIPTION
CSAM	USACE, Mobile District
CORN	USACE, Nashville District
CNED	USACE, New England Division
CLMN	USACE, New Orleans District
CNAN	USACE, New York District
CNAO	USACE, Norfolk District
CNAD	USACE, North Atlantic Division
CNCD	USACE, North Central Division
CNPD	USACE, North Pacific Division
CORD	USACE, Ohio River Division
CMRO	USACE, Omaha District
CPOD	USACE, Pacific Ocean Division
CNAP	USACE, Philadelphia District
CORP	USACE, Pittsburgh District
CNPP	USACE, Portland District
CNCR	USACE, Rock Island District
CSPK	USACE, Sacramento District
CSPN	USACE, San Francisco District
CSAS	USACE, Savannah District
CNPS	USACE, Seattle District
CSAD	USACE, South Atlantic Division
CSPD	USACE, South Pacific Division
CSWD	USACE, Southwestern Division
CLMS	USACE, St. Louis District
CNCS	USACE, St. Paul District
CTAC	USACE, Transatlantic Programs Center
CSWT	USACE, Tulsa District
CLMK	USACE, Vicksburg District
CNPW	USACE, Walla Walla District
CSAW	USACE, Wilmington District
HBEH	USAF Hospital, Holloman Bioenvironmental Eng. Svcs., Holloman AFB
SCS	USDA Soil Conservation Service
UBTL	Utah Biomedical Testing Lab
WSWP	W. S. Williams, Phoenix, AZ
WHAI	Walk, Haydel & Associates, Inc.
WZN	Warzyn, Inc., Madison, WI
WSC	Water & Soil Consultants, Inc., Norman, OK
WAR	Water and Air Research, Inc.
WTRD	Water Development
WLIC	Wellscon, Inc., Chandler, AZ
WAFB	Wurtsmith Air Force Base

LOGDATE

Definition: The Collection Date (or "Log Date") is the date that a sample is collected in the field.

Attributes: D8

Included in Tables: SAMPLE
TEST

Guidelines & Restrictions:

- All date fields must be in the YYYYMMDD format.
- *LOGDATE* cannot be left blank when *QCCODE* = "CS," and must be blank in all other cases.
- *LOGDATE* must be earlier than or equal to *RECDATE*.
- *LOGDATE* must be earlier than or equal to *EXTDATE*.
- *LOGDATE* must be earlier than or equal to *ANADATE*.
- *LOGDATE* must be earlier than or equal to *REP_DATE*.

LOGTIME

Definition: The Collection Time (or "Log Time") is the time that a sample is collected in the field.

Attributes: C4

Included in Tables: SAMPLE
TEST

Guidelines & Restrictions:

- All time fields must be entered using the military 24-hour clock (0000-2359), HHMM.
- *LOGTIME* cannot be left blank when *QCCODE* = "CS," and must be blank in all other cases.

LOWERCL

Definition: The Lower Control Limit is the lower limit of a quality control acceptance criterion.

Attributes: N4

Included in Tables: CL

Guidelines & Restrictions:

- *LOWERCL* must be an integer greater than or equal to zero and less than or equal to 9999.
- *LOWERCL* must be less than *UPPERCL*.
- Enter zero for precision limit.

MATRIX

Definition: The *MATRIX* field identifies the sample's medium or make-up (e.g., soil, air, water, etc.), as categorized by the analytical laboratory.

Attributes: C2

Included in Tables: SAMPLE
TEST
RESULTS
QC
CL

Guidelines & Restrictions:

- *MATRIX* cannot be left blank.
- *MATRIX* must contain a valid value.
- Laboratory-generated QC samples using only laboratory reagents may be assigned QC *MATRIX* codes such as "WQ" ("Water QC Matrix") for a blank spike. (The use of "*Q" *MATRIX* codes is recommended for data that will be converted into the Air Force Center for Environmental Excellence [AFCEE] Environmental Resources Program Information Management System [ERPIMS] formats, but is not required.)
- Laboratory-generated samples which use the original environmental sample matrix are assigned the *MATRIX* code that describes the original sample matrix, rather than the QC sample matrix, (e.g., a matrix spiked waste water sample would be assigned "WW" ["Waste Water"] rather than "WQ" ["Water QC Matrix"]).
- When the laboratory is not completely informed about the exact sample matrix, it should enter the more general *MATRIX* codes (such as "W" for "Water" and "SO" for "Soil").

Acceptable *MATRIX* Values:

CODE	DESCRIPTION
AA	Ambient Air
AD	Drilling Air
AQ	Air QC
AX	Air - Unk. Origin
CF	Fly Ash Cinder
DC	Drill Cuttings
DU	Data Unavailable
GE	Gaseous Effluent (Stack Gas)

CODE	DESCRIPTION
GL	Gaseous Phase of Liquid
GQ	Gaseous Phase QC
GS	Soil Gas
GV	Vapor Extraction System Vapor
LC	Liquid Condensate
LD	Drilling Fluid
LE	Liquid Emulsion
LF	Floating/Free Product - Groundwater
LH	Liquid Waste
LO	Organic Liquid
LT	Floating/Free Product - Tank
LV	Vadose Zone Liquid
MH	Hazardous Multi-Phase Waste
MX	Multi-Phase - Unk. Origin
RG	Radioactive Groundwater
RK	Rock
SB	Bentonite
SC	Cement
SE	Sediment
SF	Filter Sandpack
SH	Solid Waste
SL	Sludge
SM	Water Filter
SN	Misc. Solid
SO	Soil
SP	Well Casing
SQ	Soil/Solid QC
SR	Water Filter Residue
SS	Surface Scrapings
ST	Sorbents
SW	Swab or Wipe
SX	Soil/Solid - Unk. Origin
TA	Animal Tissue
TP	Plant Tissue
TQ	Tissue QC
TX	Tissue - Unk. Origin
W	Water
WC	Drilling Water
WD	Well Development Water
WE	Estuary
WG	Groundwater
WH	Equipment Wash Water
WL	Leachate
WO	Ocean Water
WP	Drinking Water
WQ	Water QC

CODE	DESCRIPTION
WS	Surface Water
WT	Treatment System Water
WV	Vadose Zone Water
WW	Waste Water
WX	Water - Unk. Origin
WZ	Special Water QC

METH_DESIGN_ID

Definition: The Method Design ID is the unique identifier for the design of an analytical method.

Attributes: C25

Included in Tables: SAMPLE
TEST
RESULTS
QC
CL

Guidelines & Restrictions:

- *METH_DESIGN_ID* is an optional field and may be left blank.
- *METH_DESIGN_ID* is a linking field with the EDMS2000 electronic COC tables.

MODPARLIST

Definition: The Modified Parameter List field indicates whether the compound list of a method being reported has been amended by omitting compounds (the addition of compounds is not considered a modification).

Attributes: L1

Included in Tables: TEST

Guidelines & Restrictions:

- *MODPARLIST* cannot be left blank.
- *MODPARLIST* must be entered as "T" ("true") or "F" ("false").
- Enter "T" if an analyte has been omitted from the reported method list.

NPDLWO

Definition: The Work Order Number was historically a COE-assigned administration number. This field is no longer used as such, and may be used by the laboratory for internal tracking numbers.

Attributes: C7

Included in Tables: SAMPLE

Guidelines & Restrictions:

- *NPDLWO* cannot be left blank.
- Enter "NA," or use this field for internal tracking purposes.

PARLABEL

Definition: The *PARLABEL* represents the Analyte name or Chemical Abstract Services (CAS) number associated with a given parameter being measured.

Attributes: C12

Included in Tables: RESULTS
QC
CL

Guidelines & Restrictions:

- *PARLABEL* cannot be left blank.
- *PARLABEL* must contain a valid value.

Acceptable *PARLABEL* Values Sorted by Code:

CODE	DESCRIPTION
1002-84-2	Pentadecanoic acid
107-83-5	Pentane, 2-methyl-
107-86-8	3-Methyl-2-butenal
1074-17-5	1-Methyl-2-n-propylbenzene
108-87-2	Cyclohexane, methyl-
111-01-3	Squalane
111-06-8	Hexadecanoic acid, butyl ester
111-76-2	2-Butoxy-ethanol
111-77-3	2-(2-Methoxyethoxy) ethanol
112-37-8	Undecanoic acid
112-40-3	Dodecane
112-85-6	Docosanoic acid
112-95-8	Eicosane
1120-21-4	Undecane
1127-76-0	1-Ethylnaphthalene
115-11-7	1-Propene, 2-methyl-
11DCPROPN	1,1-Dichloropropanone
121-43-7	Boric acid, trimethyl ester
123-95-5	Octadecanoic acid, butyl ester
124-18-5	Decane
13427-43-5	1-Hexene, 3,3,5-trimethyl-
13BZDIOL	Resorcinol
13CPCB209	13C-PCB 209
13DCPR20H	1,3-Dichloro-2-propanol

CODE	DESCRIPTION
141-79-7	4-Methyl-3-penten-2-one
14167-59-0	Tetratriacontane
142-82-5	Heptane
143-07-7	Dodecanoic acid
1430-97-3	9H-Fluorene, 2-methyl-
14BZDIOL	1,4-Benzenediol
14DITH	1,4-Dithiane
14HYDROQ	1,4-Hydroquinone
16538-93-5	Cyclooctane, butyl-
16747-32-3	3-Ethyl-2,2-dimethylpentane
1678-92-8	Cyclohexane, propyl-
1719-03-5	Pentadecane, 2,6,10,14-tetramethyl-
17301-27-8	Undecane, 1,10-dimethyl-
17312-81-1	Undecane, 3,5-dimethyl-
1BR2FLET	1-Bromo-2-fluoroethane
1CL2MEPE	1-Chloro-2-methylpropene
1CLOCT	1-Chlorooctane
1E2MBZ	1-Ethyl-2-methylbenzene
2027-17-0	2-Isopropylnaphthalene
2049-95-8	Benzene, (1,1-Dimethylpropyl)-
2050-24-0	Benzene, 1,3-diethyl-5-methyl-
2088-07-5	1-Penten-3-ol, 2-methyl-
2131-42-2	Naphthalene, 1,4,6-trimethyl-
2207-04-7	Cyclohexane, 1,4-dimethyl-, trans-
2216-33-3	Octane, 3-methyl-
2234-75-5	Cyclohexane, 1,2,4-trimethyl-
2245-38-7	Naphthalene, 1,6,7-trimethyl-
234TFBZME	2,3,4-Trifluorotoluene
2363-71-5	Heneicosanoic acid
245T	2,4,5-T
245TBE	2,4,5-T, butyl ester
245TBEE	2,4,5-T, butoxyethanol ester
24642-72-6	Cydohexane carboxylic acid
24D	2,4-D
24DB	2,4-DB
24DBE	2,4-D, butoxyethanol ester
24DCPHYAA	2,4-Dichlorophenylacetic acid
24DEE	2,4-D, 2-ethylhexyl ester
24NO2FBZ	2,4-Dinitrofluorobenzene
25044-01-3	1-Penten-3-one, 2-methyl-
2532-58-3	Cylcopentane, 1,3-dimethyl-, cis-
26DIM6NITRO	2,6-Dimethyl-6-nitro-2-hepten-4-one
26DIMENONANE	Nonane, 2,6-dimethyl-
27133-93-3	2,3-Dihydro-1-methylindene
2870-04-4	2-Ethyl-1,3-dimethylbenzene
2958-76-1	Napthalene, decahydro-2-methyl-

CODE	DESCRIPTION
29949-27-7	n-Amylcyclohexane
2BR46DCP	2-Bromo-4,6-dichlorophenol
2BRPROPENE	2-Bromopropene
2BUTENAL	Crotonaldehyde
2CLANILINE	2-Chloroaniline
2CLANTH	2-Chloroanthracene
2HPROPN	2-Hydroxypropionitrile
2MPA1E	2-Methylpropanoic acid
2NO2MXYL	2-Nitro-m-Xylene
2PROPENOL	2-Propenol
2PRYN1OL	2-Propyn-1-ol
2PYRR1M	2-Pyrrolidinone, 1-methyl-
334-48-5	Decanoic acid
3674-66-6	Phenanthrene, 2,5-dimethyl-
4057-42-5	2,6-Dimethyl-2-octene
4175-53-5	2,3-Dihydro-1,3-dimethyl-1H-indene
4292-92-6	Cyclohexane, pentyl-
4860-03-1	1-Chlorohexadecane
4926-78-7	Cyclohexane, 1-ethyl-4-methyl-, cis-
4N2PHEN	4-Nitrobiphenyl
4NQO	4-Nitroquinoline-n-oxide
506-12-7	Heptadecanoic acid
506-30-9	Eicosanoic acid
50876-31-8	Cyclohexane, 1,1,3,5-tetramethyl-, trans-
527-53-7	1,2,3,5-Tetramethylbenzene
535-77-3	1-Methyl-3-isopropylbenzene
53771-88-3	Cyclopentane, 1-methyl-3-(1-methylethyl)-
54120-62-6	Ethyl-1,2,4-trimethylbenzene
544-63-8	Tetradecanoic acid
544-76-3	Hexadecane
544-85-4	Dotriacontane
557-59-5	Tetracosanoic acid
565-75-3	2,3,4-Trimethylpentane
571-61-9	1,5-Dimethylnaphthalene
581-40-8	Naphthalene, 2,3-dimethyl-
582-16-1	Naphthalene, 2,7-dimethyl-
591-04-6	Nonane, 4-methyl-
592-41-6	1-Hexene
593-45-3	Octadecane
593-49-7	Heptacosane
620-14-4	1-Methyl-3-ethylbenzene
6236-88-0	Cyclohexane, 1-ethyl-4-methyl-, trans-
624-29-3	Cyclohexane, 1,4-dimethyl-, cis-
625-33-2	3-Penten-2-one
629-07-0	Docosane
629-50-5	Tridecane

CODE	DESCRIPTION
629-59-4	Tetradecane
629-62-9	Pentadecane
629-78-7	Heptadecane
629-92-5	Nonadecane
629-94-7	Heneicosane
629-99-2	Pentacosane
630-01-3	Hexacosane
630-02-4	Octacosane
630-04-6	Hentriacontane
630-05-7	Tritriacontane
630-06-8	Hexatriacontane
630-07-9	Pentatriacontane
630-32-8	Nonacosane
638-53-9	Tridecanoic acid
638-67-5	Tricosane
638-68-6	Tricontane
646-30-0	Nonadecanoic acid
646-31-1	Tetracosane
6682-71-9	2,3-Dihydro-4,7-dimethyl-1H-indene
767-58-8	2,3-Dihydro-1-methyl-1H-indene
7683-64-9	Squalene
78-78-4	2-Methylbutane
79-20-9	Acetic acid, methyl ester
7METDECANE	Tridecane, 7-methyl-
824-22-6	2,3-Dihydro-4-methyl-1H-indene
832-71-3	Phenanthrene, 3-methyl-
874-35-1	2,3-Dihydro-5-methyl-1H-indene
874-41-9	1,3-Dimethyl-4-ethylbenzene
89-82-7	Pulegone
933-98-2	1-Ethyl-2,3-dimethylbenzene
9PHENAN	9-Phenylanthracene
A2DNT46	2-Amino-4,6-dinitrotoluene
A3ECBZ9	3-Amino-9-ethylcarbazole
A4DNT26	4-Amino-2,6-dinitrotoluene
AAATFBZME	a,a,a-Trifluorotoluene
AC-228	Actinium-228
AC2T	1-Acetyl-2-thiourea
ACAMFL2	2-Acetylaminofluorene
ACCN	Acetonitrile
ACE	Acetone
ACID	Acidity, Total
ACNP	Acenaphthene
ACNPD10	Acenaphthene-d10
ACNPY	Acenaphthylene
ACPHN	Acetophenone
ACRAMD	Acrylonitrile

CODE	DESCRIPTION
ACRL	Acrolein
ACRN	Acrylamide
AFN	Acifluorfen
AG	Silver
AGP	Acid Generating Potential
AISULFIDE	Acid-Insoluble Sulfide
AL	Aluminum
ALACL	Alachlor
ALDICARB	Aldicarb
ALDRIN	Aldrin
ALDSULFOX	Aldicarb sulfoxide
ALK	Alkalinity, Total
ALKB	Bicarbonate Alkalinity as CACO3
ALKC	Carbonate Alkalinity as CACO3
ALKH	Hydroxide Alkalinity as CACO3
ALLYLALCOHOL	Allyl alcohol
ALPHA	Alpha, Gross
AMAQ2	2-Aminoanthraquinone
AMAZOBENZ	Aminoazobenzene
AMINOBPH4	4-Aminobiphenyl
AMINONAPH1	1-Naphthylamine
AMINONAPH2	2-Naphthylamine
AMOSITE	Amosite
ANC	Acid Neutralizing Capacity
ANDROSTANE5A	5a-Androstane
ANILINE	Aniline
ANILINED5	Aniline-d5
ANLNAM4	1,4-Phenylenediamine
ANSD2	o-Anisidine
ANTH	Anthracene
ANTHD10	Anthracene-d10
ANZIN	Anilazine
APIGRAVITY	API Gravity
APINENE	alpha-Pinene
ARAMITE	Aramite
AS	Arsenic
ASBESTOS	Asbestos
ASH	Ash Content
ASULAM	Asulam
ASULFIDE	Acid-Soluble Sulfide
ATRAZINE	Atrazine
AU	Gold
AVS	Acid-Volatile Sulfide
AZIPM	Azinphos methyl
AZOBENZENE	Azobenzene
B	Boron

CODE	DESCRIPTION
B2CES	bis-(2-Chloroethyl) sulfide
BA	Barium
BACE	Bromoacetone
BARBAN	Barban
BATOT	Total Barium
BBP	Benzyl butyl phthalate
BCHPD	Bicyclo[2,2,1]hepta-2,5-diene
BDCME	Bromodichloromethane
BDENSITY	Bulk Density
BE	Beryllium
BECEM	bis-(2-chloroethoxy)methane
BETA	Beta, Gross
BHCALPHA	alpha-BHC
BHCBETA	beta-BHC
BHCDELTA	delta-BHC
BHCGAMMA	gamma-BHC (Lindane)
BI	Bismuth
BI-212	Bismuth-212
BI-214	Bismuth-214
BICACO3	Bicarbonate as CaCO3
BIDRIN	Dicrotophos
BIPHENYL	Biphenyl
BIS2BEE	Bis(2-butoxyethyl) ether
BIS2CEE	bis-(2-Chloroethyl)ether
BIS2CIE	bis(2-Chloroisopropyl)ether
BIS2EHP	bis-(2-ethylhexyl)phthalate
BOD5	Biologic Oxygen Demand, Five-Day
BPLACTONE	b-Propiolactone
BPPE4	4-Bromophenyl phenyl ether
BPROPACT	beta-Propiolactone
BR	Bromide
BR4DCP26	4-Bromo-2,6-dichlorophenol
BR4FBZ	4-Bromofluorobenzene
BRBZ	Bromobenzene
BRCLBZ4	4-Bromochlorobenzene
BRCLME	Bromochloromethane
BREA	Bromoethane
BRME	Bromomethane
BROMCIL	Bromacil
BROXL	Bromoxynil
BTA	Butanoic acid
BTALT	t-Butyl alcohol
BTBZN	n-Butylbenzene
BTBZS	sec-Butylbenzene
BTBZT	tert-Butylbenzene
BTCL	1-Chlorobutane

CODE	DESCRIPTION
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
BTOH	n-Butanol
BTOXETETL	2-(2-Butoxyethoxy) ethanol
BTSN	Butyltin
BTZ	Bentazon
BUNKERC	Fuel Oil No. 6 (BUNKER C)
BUTACHLOR	Butachlor
BZ	Benzene
BZAA	Benzo(a)anthracene
BZACID	Benzoic acid
BZALD	Benzaldehyde
BZAP	Benzo(a)pyrene
BZBF	Benzo(b)fluoranthene
BZBFBZKF	Benzo(b)fluoranthene and Benzo(k)fluoranthene
BZD	Benzidine
BZD6	Benzene-d6
BZEP	Benzo(e)pyrene
BZGHIP	Benzo(g,h,i)perylene
BZJF	Benzo(j)fluoranthene
BZKF	Benzo(k)fluoranthene
BZLAL	Benzyl alcohol
BZLCL	Chlorotoluene
BZME	Toluene
BZMED8	Toluene-d8
BZS	Thiophenol (Benzenethiol)
BZTZ	Benzothiazole
C10C10N	C10 as n-Decane
C10C12ALIPH	C10-C12 Aliphatics
C10C12AROM	C10-C12 Aromatics
C10C24ALIPH	C10-C24 Aliphatics
C10C24AROM	C10-C24 Aromatics
C11C11N	C11 as n-Undecane
C12C12N	C12 as n-Dodecane
C12C16ALIPH	C12-C16 Aliphatics
C12C16AROM	C12-C16 Aromatics
C13C13N	C13 as n-Tridecane
C14C14N	C14 as n-Tetradecane
C15C15N	C15 as n-Pentadecane
C16C16N	C16 as n-Hexadecane
C16C21ALIPH	C16-C21 Aliphatics
C16C21AROM	C16-C21 Aromatics
C17C17N	C17 as n-Heptadecane
C18C18N	C18 as n-Octadecane
C21C34ALIPH	C21-C34 Aliphatics
C21C34AROM	C21-C34 Aromatics
C25C36ALIPH	C25-C36 Aliphatics

CODE	DESCRIPTION
C25C36AROM	C25-C36 Aromatics
C25N	Pentacosane
C2H4	Ethene
C2H6	Ethane
C30N	n-Triacontane
C3H8	Propane
C4BZ1245	1,2,4,5-Tetrachlorobenzene
C4M2PH	4-Chloro-2-methylphenol
C4M3PH	4-Chloro-3-methylphenol
C5C16TPH	C5-C16 Total Petroleum Hydrocarbons
C5C6ALIPH	C5-C6 Aliphatics
C6C10ALIPH	C6-C10 Aliphatics
C6C10AROM	C6-C10 Aromatics
C6C8ALIPH	C6-C8 Aliphatics
C6HEXANE	C6 as n-Hexane
C7HEPTANE	C7 as n-Heptane
C8C10ALIPH	C8-C10 Aliphatics
C8C10AROM	C8-C10 Aromatics
C8C8N	C8 as n-Octane
C9C9N	C9 as n-Nonane
CA	Calcium
CAA	Chloroacetic acid
CACO3	Carbonate as CaCO3
CACO3EQ	Calcium Carbonate Equivalent
CAFFEINE	Caffeine
CAMPHENE	Camphene
CAPT	Captafol
CAPTAN	Captan
CARBAZOLE	Carbazole
CARBOPHENOTH	Carbophenothion
CATION-EX	Cation Exchange Capacity
CBPH2	2-Chlorobiphenyl
CD	Cadmium
CDS	Carbon disulfide
CE	Cerium
CELLFIBER	Cellulose fiber
CEVETH	2-Chloroethyl vinyl ether
CH4	Methane
CHLORALHY	Chloral hydrate
CHLORDANE	Chlordane
CHLORDANEA	alpha-Chlordane
CHLORDANEG	gamma-Chlordane
CHLORINE	Chlorine, Total residual
CHLORMEPHOS	Chlormephos
CHLOROPHYLLA	Chlorophyll a
CHLOROPRENE	2-Chloro-1,3-butadiene (Chloroprene)

CODE	DESCRIPTION
CHRYSENE	Chrysene
CHRYSENEC1	C1-Chrysenes
CHRYSENEC2	C2-Chrysenes
CHRYSENEC3	C3-Chrysenes
CHRYSENEC4	C4-Chrysenes
CHRYSENED12	Chrysene-d12
CHRYSO	Chrysotile
CL	Chloride
CL10BZ2	Decachlorobiphenyl
CL2ETOH	2-Chloroethanol
CL3NATE	Trichloronate
CL4PED12	4-Chloro-1,2-phenylenediamine
CL4PED13	4-Chloro-1,3-phenylenediamine
CL5MANIL2	5-Chloro-2-methylaniline
CLACRN2	2-Chloroacrylonitrile
CLACTH	Chloroacetaldehyde
CLAN	Chloroacetonitrile
CLANIL4	4-Chloroaniline
CLBEN	Chloramben
CLBZ	Chlorobenzene
CLBZALDO	o-Chlorobenzaldehyde
CLBZD5	Chlorobenzene-d5
CLBZLATE	Chlorobenzilate
CLBZME2	2-Chlorotoluene
CLBZME4	4-Chlorotoluene
CLCYHXAL2	2-Chlorocyclohexanol
CLEA	Chloroethane
CLFBZ2	1-Chloro-2-fluorobenzene
CLFBZ4	1-Chloro-4-fluorobenzene
CLHX1	1-Chlorohexane
CLHXDC1	1-Chlorohexadecane
CLHYD	Chlorinated Hydrocarbon
CLM3CPYRDN	3-(Chloromethyl)pyridine hydrochloride
CLME	Chloromethane
CLMME	Chloromethyl methyl ether
CLNO2BZ3	1-Chloro-3-nitrobenzene
CLNPH1	1-Chloronaphthalene
CLODC1	1-Chlorooctadecane
CLOUDPT	Cloud Point
CLPE3	Allyl chloride
CLPH2	2-Chlorophenol
CLPH2D4	2-Chlorophenol-d4
CLPROP	Chloropropylate
CLPYRIFOS	Chlorpyrifos
CN	Cyanide
CNA	Amenable Cyanide

CODE	DESCRIPTION
CNPH2	2-Chloronaphthalene
CO	Cobalt
CO-60	Cobalt-60
CO2	Carbon dioxide
CO3	Carbonate as CO3
COD	Chemical Oxygen Demand
COLIFORM	Coliform, Total
COLOR	Color
COLORAPPRNT	Color, Apparent
COLORTRUE	Color, True
COND	Conductivity
CORROS	Corrosivity Toward Steel
CORRPH	Corrosivity as pH
COUMAPHOS	Coumaphos
COUMARIN	Coumarin Dyes
CPENTANEME	Methyl cyclopentane
CPMS	p-Chloromethyl sulfide
CPMSO	p-Chloromethyl sulfoxide
CPMSO2	p-Chloromethyl sulfone
CPN3	3-Chloropropionitrile
CPPE4	4-Chlorophenyl phenyl ether
CR	Chromium
CR3	Chromium III
CR6	Chromium, Hexavalent
CRBFN	Carbofuran
CRESP	p-Cresidine
CROCID	Crocidolite
CROTOX	Crotoxyphos
CS	Cesium
CS-134	Cesium-134
CS-137	Cesium-137
CTCL	Carbon tetrachloride
CU	Copper
CVP	Chlorfenvinphos
CYC5N	Cyclopentane
CYHEKET	Cyclohexanone
CYHEX2DNP46	2-Cyclohexyl-4,6-dinitrophenol
CYHEXANE	Cyclohexane
CYHEXPROP	Cyclohexanepropanol
CYMP	4-Isopropyltoluene
DACTH	DCPA (Dacthal)
DALAPON	Dalapon
DB7HCGCBZ	7H-Dibenzo(c,g)carbazole
DBA	Dibromoethane
DBAHA	Dibenzo(a,h)anthracene
DBAHACR	Dibenz(a,h)acridine

CODE	DESCRIPTION
DBAHAD14	Dibenzo(a,h)anthracene-d14
DBAJACR	Dibenz(a,j)acridine
DBCME	Dibromochloromethane
DBCP	1,2-Dibromo-3-chloropropane
DBF	Dibenzofuran
DBFM	Dibromofluoromethane
DBMA	Dibromomethane
DBT	Dibenzothiophene
DBTC1	C1-Dibenzothiophenes
DBTC2	C2-Dibenzothiophenes
DBTC3	C3-Dibenzothiophenes
DBTSN	Dibutyltin
DBUTYLC	Dibutylchlorendate
DBZAEP	Dibenzo(a,e)pyrene
DBZAHP	Dibenzo(a,h)pyrene
DBZAIP	Dibenzo(a,i)pyrene
DBZD33	3,3'-Dichlorobenzidine
DCA11	1,1-Dichloroethane
DCA12	1,2-Dichloroethane
DCA12D4	1,2-Dichloroethane-d4
DCBE14C	cis-1,4-Dichloro-2-butene
DCBE14T	trans-1,4-Dichloro-2-butene
DCBETOT	1,4-Dichloro-2-butene, Total
DCBPH23	2,3-Dichlorobiphenyl
DCBTA14	1,4-Dichlorobutane
DCBZ12	1,2-Dichlorobenzene
DCBZ12D4	1,2-Dichlorobenzene-d4
DCBZ13	1,3-Dichlorobenzene
DCBZ14	1,4-Dichlorobenzene
DCBZ14D4	1,4 Dichlorobenzene-d4
DCBZA35	3,5-Dichlorobenzoic acid
DCBZALD24	2,4-Dichlorobenzaldehyde
DCE11	1,1-Dichloroethene
DCE12C	cis-1,2-Dichloroethene
DCE12T	trans-1,2-Dichloroethene
DCE12TOT	1,2-Dichloroethene, Total
DCLN	Dichlone
DCMA	Dichloromethane
DCP11	1,1-Dichloropropene
DCP13	1,3-Dichloropropene (Total)
DCP13C	cis-1,3-Dichloropropene
DCP13T	trans-1,3-Dichloropropene
DCP24	2,4-Dichlorophenol
DCP26	2,6-Dichlorophenol
DCPA12	1,2-Dichloropropane
DCPA13	1,3-Dichloropropane

CODE	DESCRIPTION
DCPA22	2,2-Dichloropropane
DCPANE	1,1-Dichloropropane
DCPD	Dicyclopentadiene
DCPROP	Dichlorprop
DD1234678C13	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin-C13
DD123478C13	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin-C13
DD123678C13	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin-C13
DD12378C13	1,2,3,7,8-Pentachlorodibenzo-p-dioxin-C13
DDD24	2,4'-DDD
DDD44	4,4'-DDD
DDE24	2,4'-DDE
DDE44	4,4'-DDE
DDE44DIEL	4,4'-DDE/Dieldrin
DDT24	2,4'-DDT
DDT44	4,4'-DDT
DEMETON	Demeton, -O and -S
DEMETONO	Demeton-O
DEMETONS	Demeton-S
DENSITY	Density
DEPH	Diethyl phthalate
DEPHD4	Diethyl phthalate-D4
DES	Diethylstilbestrol
DESO4	Diethyl sulfate
DF1234678C13	1,2,3,4,6,7,8-Heptachlorodibenzofuran-C13
DF1234789C13	1,2,3,4,7,8,9-Heptachlorodibenzofuran-C13
DF123478C13	1,2,3,4,7,8-Hexachlorodibenzofuran-C13
DF123678C13	1,2,3,6,7,8-Hexachlorodibenzofuran-C13
DF123789C13	1,2,3,7,8,9-Hexachlorodibenzofuran-C13
DF12378C13	1,2,3,7,8-Pentachlorodibenzofuran-C13
DF234678C13	2,3,4,6,7,8-Hexachlorodibenzofuran-C13
DF23478C13	2,3,4,7,8-Pentachlorodibenzofuran-C13
DFBZ14	1,4-Difluorobenzene
DHNAPH	Naphthalene, decahydro-
DHNAPHT	Naphthalene, decahydro-, trans-
DIACOH	2-Pentanone, 4-hydroxy-4-methyl-
DIALLATE	Diallate (cis- or trans-)
DIAZ	Diazinon
DICAMBA	Dicamba
DICHLORVOS	Dichlorovos
DICOFOL	Dicofol
DIELDRIN	Dieldrin
DIESEL2	Diesel Fuel #2
DIHYDROSAF	Dihydrosafrole
DIMETHAT	Dimethoate
DIMP	Diisopropylmethylphosphonate
DINOSEB	Dinoseb

CODE	DESCRIPTION
DIOP	Diisooctyl phthalate
DIOXANE14	1,4-Dioxane
DIOXATHION	Dioxathion
DISBLUE14	Disperse Blue 14
DISBLUE3	Disperse Blue 3
DISBRN1	Disperse Brown 1
DISORNG3	Disperse Orange 3
DISORNG30	Disperse Orange 30
DISRED1	Disperse Red 1
DISRED13	Disperse Red 13
DISRED5	Disperse Red 5
DISRED60	Disperse Red 60
DISUL	Disulfoton
DISYEL5	Disperse Yellow 5
DITH	Dithiane
DM12NPH	1,2-Dimethylnaphthalene
DM13NBZ2	1,3-Dimethyl-2-nitrobenzene
DM16NPH	1,6-Dimethylnaphthalene
DM26NPH	2,6-Dimethylnaphthalene
DMBZA712	7,12-Dimethylbenz(a)anthracene
DMBZD33	3,3'-Dimethylbenzidine
DMC10N	Dimethyl decane
DMCPS	Decamethylcyclopentasiloxane
DMDS	Dimethyl disulfide
DMMP	Dimethylmethylphosphonate
DMOBZD33	3,3'-Dimethoxybenzidine
DMP24	2,4-Dimethylphenol
DMPH	Dimethyl phthalate
DN46M	2-Methyl-4,6-dinitrophenol
DNA24	2,4-Dinitroaniline
DNB13	1,3-Dinitrobenzene
DNBP	Di-n-butyl phthalate
DNBZ12	1,2-Dinitrobenzene
DNBZ14	1,4-Dinitrobenzene
DNOCP	Dinocap
DNOP	Di-n-octyl phthalate
DNOPD4	Di-n-octyl phthalate-d4
DNP24	2,4-Dinitrophenol
DNT24	2,4-Dinitrotoluene
DNT26	2,6-Dinitrotoluene
DNT34	3,4-Dinitrotoluene
DO	Oxygen, Dissolved
DOA	bis(2-ethylhexyl)adipate
DOC	Dissolved Organic Carbon
DPA	Diphenylamine
DPAMIDE	Diphenamide

CODE	DESCRIPTION
DPD10	Diphenyl-d10
DPHANTH910	9,10-Diphenylanthracene
DPHY12	1,2-Diphenylhydrazine
DRO	Diesel Range Organics
DROALIPHATIC	Diesel Range Organics, Aliphatic
DROAROMATIC	Diesel Range Organics, Aromatic
DROC10C25	Diesel Range Organics (C10-C25)
DROC10C28	Diesel Range Organics (C10-C28)
DS	Dissolved Sulfide
DU	Data Unavailable
DUST	Dust
DY	Dysprosium
EAH	Erythritol anhydride
EBZ	Ethylbenzene
EBZD10	Ethylbenzene-D10
EBZME4	4-Ethyltoluene
ECARB	Ethyl carbamate
ECOLI	Escherichia coli
EDB	1,2-Dibromoethane
EE	Diethyl ether
EMETHACRY	Ethyl methacrylate
EMSULFN	Ethyl methanesulfonate
ENDOSULFANA	Endosulfan I
ENDOSULFANB	Endosulfan II
ENDOSULFANS	Endosulfan sulfate
ENDRIN	Endrin
ENDRINALD	Endrin aldehyde
ENDRINKET	Endrin ketone
ENTCOCCUS	Enterococcus
EPICLHDRN	Epichlorhydrin
EPN	EPN
ERYTHRENE	1,3-Butadiene
ESP	Exchangeable Sodium Percentage
ET2GLY	Diethylene glycol
ET2HEOH	1-Hexanol, 2-ethyl-
ET3GLY	Triethylene glycol
ETACET	Ethyl acetate
ETBE	tert-Butyl ethyl ether
ETEGLY	Ethylene glycol
ETETH	2-(2-Ethoxyethoxy) ethanol
ETHANOL	Ethanol
ETHION	Ethion
ETHOPROP	Ethoprop
ETOX	Ethylene oxide
ETRID	Etridiazole
EU	Europium

CODE	DESCRIPTION
EU-152	Europium-152
EU-154	Europium-154
EU-155	Europium-155
F	Fluoride
FAA	Fluoroacetic acid
FAMPHUR	Famphur
FARN	3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol
FBZ	Fluorobenzene
FC11	Trichlorofluoromethane
FC113	1,1,2-Trichloro-1,2,2-trifluoroethane
FC114	1,2-Dichloro-1,1,2,2-tetrafluoroethane
FC12	Dichlorodifluoromethane
FC21	Dichlorofluoromethane
FE	Iron
FE2	Ferrous Iron
FE3	Ferric Iron
FECCOLIFORM	Fecal Coliform, 0.7 Micron Filter
FECSTREP	Fecal Streptococcus
FENSTHION	Fensulfothion
FENTHION	Fenthion
FIBGLASS	Fibrous Glass
FIOBPH	Decafluorobiphenyl
FIOTPHPINE	Decafluorotriphenylphosphine
FL	Fluorene
FLA	Fluoranthene
FLAC1PYR	C1-Fluoranthenes/Pyrenes
FLAD10	Fluoranthene-d10
FLASHPT	Flash Point
FLBRIGHT236	Fluorescent Brightener 236
FLBRIGHT61	Fluorescent Brightener 61
FLC1	C1-Fluorenes
FLC2	C2-Fluorenes
FLC3	C3-Fluorenes
FLD10	Fluorene-d10
FLUCHLOR	Fluchloralin
FREELIQUIDS	Free Liquids
GAMMA-GELI	Gamma Spectral Analysis, Ge(Li)
GASOLINE	Gasoline
GRO	Gasoline Range Organics
GROALIPHATIC	Gasoline Range Organics, Aliphatic
GROAROMATIC	Gasoline Range Organics, Aromatic
GROC6C10	Gasoline Range Organics (C6-C10)
H-3	Tritium (Hydrogen 3)
H2M2P	Hexafluoro-2-methyl-2-propanol
H2S	Sulfide (as H2S)
HALIDES	Halides

CODE	DESCRIPTION
HALOWAX1000	Halowax 1000
HALOWAX1001	Halowax 1001
HALOWAX1013	Halowax 1013
HALOWAX1014	Halowax 1014
HALOWAX1051	Halowax 1051
HALOWAX1099	Halowax 1099
HARD	Hardness (as CaCO3)
HARDC	Hardness (as CO3), Carbonate
HARDNC	Hardness (as CaCO3), Noncarbonate
HCBPH2233446	2,2,3,3,4,4,6-Heptachlorobiphenyl
HCBU	Hexachlorobutadiene
HCCP	Hexachlorocyclopentadiene
HCLBZ	Hexachlorobenzene
HCLEA	Hexachloroethane
HCN	Cyanide (as HCN)
HCO3	Bicarbonate as HCO3
HCPR	Hexachloropropene
HEM	n-Hexane Extractable Material
HEPT-EPOX	Heptachlor epoxide
HEPT-EPOXA	Heptachlor epoxide A
HEPTACHLOR	Heptachlor
HEXANE	Hexane
HF	Hafnium
HFACID	Hydrofluoric acid
HFP2	Hexafluoro-2-propanol
HG	Mercury
HHV	High Heat Value
HMPA	Hexamethylphosphoramide
HMX	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HOIL	Heavy Oil
HPC	Heterotrophic Plate Count
HPCDD	Total Heptachlorodibenzo-p-dioxins (HpCDD)
HPCDD1234678	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin
HPCDF	Total Heptachlorodibenzofurans (HpCDF)
HPCDF1234678	1,2,3,4,6,7,8-Heptachlorodibenzofuran
HPCDF1234789	1,2,3,4,7,8,9-Heptachlorodibenzofuran
HXALD	Hexanal
HXBRBZ	Hexabromobenzene
HXCBPH224456	2,2,4,4,5,6-Hexachlorobiphenyl
HXCDD	Total Hexachlorodibenzo-p-dioxins (HxCDD)
HXCDD123478	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin
HXCDD123678	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin
HXCDD123789	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin
HXCDF	Total Hexachlorodibenzofurans (HxCDF)
HXCDF123478	1,2,3,4,7,8-Hexachlorodibenzofuran
HXCDF123678	1,2,3,6,7,8-Hexachlorodibenzofuran

CODE	DESCRIPTION
HXCDF123789	1,2,3,7,8,9-Hexachlorodibenzofuran
HXCDF234678	2,3,4,6,7,8-Hexachlorodibenzofuran
HXCLCYHX	Hexachlorocyclohexane
HXCP	Hexachlorophene
HXO2	2-Hexanone
HYDDICAM	5-Hydroxydicamba
HYDROQUIN	Hydroquinone
I	Iodide (as I)
I-129	Iodine-129
IGNITB	Ignitability
IME	Methyl iodide
IMPA	Isopropylmethyl phosphonic acid
INDENE	Indene
INP123	Indeno(1,2,3-cd)pyrene
IONBAL	Ion Balance
IPBZ	Isopropylbenzene
IR	Iridium
ISC10H12	C10H12 Isomer
ISC11H120	C11H120 Isomer
ISC8H803	C8H803 Isomer
ISOBTOH	Isobutanol
ISOBUTANE	Isobutane
ISODRIN	Isodrin
ISOP	Isophorone
ISOPRE	Isopropyl ether
ISOPROH	Isopropanol
ISOSAFR	Isosafrole
JETA	Jet Fuel as Jet A
JETFUEL	Jet Fuel
JP4	Jet Fuel #4 (JP4)
K	Potassium
K-40	Potassium-40
KEP	Kepone
KEROSENE	Kerosene
KEXT	Extractable Potassium
KN	Nitrogen, Kjeldahl, Total
LA	Lanthanum
LAI	Langelier Index
LAI140	Langlier Index at 140 degrees F
LAI40	Langlier Index at 40 degrees F
LEPTO	Leptophos
LI	Lithium
LU	Lutetium
MACRYLATE	Methyl acrylate
MALA	Malathion
MALANH	Maleic anhydride

CODE	DESCRIPTION
MALNTRL	Malononitrile
MARACHIDATE	Methyl arachidate
MB2CAN44	4,4'-Methylenebis(2-chloraniline)
MBAS	Methylene Blue Active Substances
MCPA	MCPA
MCPP	MCPP
ME5CHRYSENE	6-Methylchrysene
MECHLAN3	3-Methylcholanthrene
MEDIUM	Medium
MEDS	Methyl disulfide
MEK	2-Butanone
MEOH	Methanol
MEPH1314	m,p-Cresol
MEPH2	2-Methylphenol (o-Cresol)
MEPH3	3-Methylphenol
MEPH34CO	3-Methylphenol/4-Methylphenol Coelution
MEPH4	4-Methylphenol (p-Cresol)
MEPHS	Cresols (Methyl Phenols)
MERPHOS	Merphos
METABOLITES	DCPA acid metabolites (a)
METHACRN	Methacrylonitrile
METHIOCARB	Methiocarb
METHOMYL	Methomyl
METOCHLOR	Metolachlor
METRIBUZ	Metribuzin
MEVINPHOS	Mevinphos
MEXACARBATE	Mexacarbate
MG	Magnesium
MGCAC03	Magnesium as CaCO3
MIBK	4-Methyl-2-pentanone
MICHLER	4,4'-Methylenebis(N,N-dimethylaniline)
MINSPRT	Mineral Spirits
MIREX	Mirex
MMETHACRY	Methylmethacrylate
MMSULFN	Methyl methanesulfonate
MN	Manganese
MO	Molybdenum
MOIL	Motor Oils
MOIST	Percent Moisture
MONOCROPHOS	Monocrotophos
MP22BZ	1-Methyl-2-(2-propenyl)-benzene
MPA	Methyl phosphonic dichloride
MPEA11	a,a-Dimethylphenethylamine
MPHAN1	1-Methylphenanthrene
MPK	2-Pentanone
MSNL	Mestranol

CODE	DESCRIPTION
MTD	2,4-Diaminotoluene
MTLNCL	Methylene chloride
MTNPH1	1-Methylnaphthalene
MTNPH2	2-Methylnaphthalene
MTNPH2D10	2-Methylnaphthalene-d10
MTPYRLN	Methapyrilene
MTXYCL	Methoxychlor
N	Nitrogen
N2ANSD5	5-Nitro-o-anisidine
NA	Sodium
NACLO3	Sodium chlorate
NACN5	5-Nitroacenaphthene
NAEXT	Extractable Sodium
NALED	Naled
NAPH	Naphthalene
NAPHD8	Naphthalene-d8
NAPHF	1-Fluoronaphthalene
NAPHQ14	1,4-Naphthoquinone
NB	Niobium
NBZME2	2-Nitrotoluene
NBZME24	2-Nitrotoluene and 4-Nitrotoluene (Total)
NBZME3	3-Nitrotoluene
NBZME4	4-Nitrotoluene
NCT	trans-Nonachlor
NH3	Ammonia
NH3N	Nitrogen, Ammonia (as N)
NH4N	Ammonium as Nitrogen
NI	Nickel
NICOTINE	Nicotine
NITROFEN	Nitrofen
NMOC	Non-Methane Organic Compounds
NNSBU	n-Nitroso-di-n-butylamine
NNSE	n-Nitrosodiethylamine
NNSM	n-Nitrosodimethylamine
NNSME	n-Nitrosomethylethylamine
NNSMRPH	n-Nitrosomorpholine
NNSPH	n-Nitrosodiphenylamine
NNSPPRD	n-Nitrosopiperidine
NNSPR	n-Nitrosodi-n-propylamine
NNSPYRL	n-Nitrosopyrrolidine
NO2ANIL2	2-Nitroaniline
NO2ANIL3	3-Nitroaniline
NO2ANIL4	4-Nitroaniline
NO2BZ	Nitrobenzene
NO2BZD5	Nitrobenzene-d5
NO2N	Nitrogen, Nitrite

CODE	DESCRIPTION
NO3	Nitrate
NO3N	Nitrogen, Nitrate (as N)
NO3NO2N	Nitrogen, Nitrate-Nitrite
NONANE	Nonane
NPHC2	C2-Naphthalenes
NPHC3	C3-Naphthalenes
NPHC4	C4-Naphthalenes
NPHD	Naphtha distillate
NPR2	2-Nitropropane
NTG	Nitroglycerin
NTPH2	2-Nitrophenol
NTPH4	4-Nitrophenol
OC	Organic Carbon
OCBPH2233456	2,2,3,3,4,5,6,6-Octachlorobiphenyl
OCDD	Octachlorodibenzo-p-dioxin
OCDDC13	Octachlorodibenzo-p-dioxin-C13
OCDF	Octachlorodibenzofuran
OCDFC13	Octachlorodibenzofuran-C13
OCDNA	Octadecanoic acid
ODA	4,4'-Oxydianiline
ODB	Hydrocarbon Degrading Bacteria
ODOR	Odor
OFBZME	Octafluorotoluene
OH	Hydroxide
OILGREASE	Oil and Grease
OILM	Oil, Misc.
OMCYTSX	Octamethylcyclotetrasiloxane
OMPA	Octamethyl pyprophosphoramide
OS	Osmium
OTHERS	Unidentified Light- and/or Medium-Weight Fuels
OTPH-D	State of Oregon Diesel Range Organics
OTPH-G	State of Oregon Gasoline Range Organics
OXAMYL	Oxamyl
OXAT	Oxathiane
OXATH14	1,4-Oxathiane
OXYGEN	Oxygen
P	Phosphorus, Total (as P)
PA-231	Protactinium-231
PA-234	Protactinium-234
PACN	Propionitrile
PALMA	Hexadecanoic acid
PARAE	Parathion ethyl
PARALD	Paraldehyde
PARAM	Parathion methyl
PB	Lead
PB-210	Lead-210

CODE	DESCRIPTION
PB-212	Lead-212
PB-214	Lead-214
PBO	Organic Lead
PBTE	Tetraethyl lead
PBTED20	Tetraethyl lead-d20
PBZN	n-Propylbenzene
PBZQUINONE	p-Benzoquinone
PCA	1,1,2,2-Tetrachloroethane
PCATE	Perchlorate
PCB0005	1,1'-Biphenyl, pentachloro-
PCB0006	Hexachlorobiphenyls
PCB101	2,2',4,5,5'-Pentachlorobiphenyl
PCB1016	PCB-1016 (Aroclor 1016)
PCB110	2,3,3',4',6-Pentachlorobiphenyl
PCB1221	PCB-1221 (Aroclor 1221)
PCB1232	PCB-1232 (Aroclor 1232)
PCB1242	PCB-1242 (Aroclor 1242)
PCB1242/1016	PCB-1242/1016 (Aroclor 1242/1016)
PCB1248	PCB-1248 (Aroclor 1248)
PCB1254	PCB-1254 (Aroclor 1254)
PCB1260	PCB-1260 (Aroclor 1260)
PCB1262	PCB-1262 (Aroclor 1262)
PCB1268	PCB-1268 (Aroclor 1268)
PCB138	2,2',3,4,4',5'-Hexachlorobiphenyl
PCB139	1,1'-Biphenyl, 2,2',3,4,4',6-hexachloro-
PCB141	2,2',3,4,5,5'-Hexachlorobiphenyl
PCB151	2,2',3,5,5',6-Hexachlorobiphenyl
PCB153	2,2',4,4',5,5'-Hexachlorobiphenyl
PCB170	2,2',3,3',4,4',5-Heptachlorobiphenyl
PCB18	2,2',5-Trichlorobiphenyl
PCB180	2,2',3,4,4',5,5'-Heptachlorobiphenyl
PCB182	1,1'-Biphenyl, 2,2',3,4,4',5,6'-heptachloro-
PCB187	2,2',3,4',5,5',6-Heptachlorobiphenyl
PCB199	1,1'-Biphenyl, 2,2',3,3',4,5,5',6'-octachloro-
PCB206	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl
PCB44	2,2',3,5'-Tetrachlorobiphenyl
PCB52	2,2',5,5'-Tetrachlorobiphenyl
PCB66	2,3',4,4'-Tetrachlorobiphenyl
PCB87	2,2',3,4,5'-Pentachlorobiphenyl
PCE	Tetrachloroethene
PCLEA	Pentachloroethane
PCNB	PCNB (Quintozene)
PCP	Pentachlorophenol
PDMAABZ	p-Dimethylaminoazobenzene
PECBPH	Total Pentachlorinatedbiphenyls
PECDD	Total Pentachlorodibenzo-p-dioxin (PeCDD)

CODE	DESCRIPTION
PECDD12378	1,2,3,7,8-Pentachlorodibenzo-p-dioxin
PECDF	Total Pentachlorodibenzofurans (PeCDF)
PECDF12378	1,2,3,7,8-Pentachlorodibenzofuran
PECDF23478	2,3,4,7,8-Pentachlorodibenzofuran
PECLBZ	Pentachlorobenzene
PECLNO2BZ	Pentachloronitrobenzene
PERMETHRIN	Permethrin
PERTHANE	Perthane
PERY	Perylene
PERYD12	Perylene-d12
PETN	Pentaerythritol tetranitrate
PEXT	Extractable Phosphorus
PFBZ	Pentafluorobenzene
PFP	Pentafluorophenol
PFTEST	Paint Filter Test
PH	pH
PH246BR	2,4,6-Tribromophenol
PH2F	2-Fluorophenol
PHAN	Phenanthrene
PHANC1A	C1-Phenanthrenes/Anthrace
PHANC2A	C2-Phenanthrenes/Anthrace
PHANC3A	C3-Phenanthrenes/Anthrace
PHANC4A	C4-Phenanthrenes/Anthrace
PHAND10	Phenanthrene-d10
PHANHY	Phthalic anhydride
PHC	Petroleum Hydrocarbons (TPH)
PHCD	PHC as Diesel Fuel (TPHD)
PHCDUNK	Non-PHC as Diesel
PHCFO	PHC as Fuel Oils
PHCFOUNK	Non-PHC as Fuel Oils
PHCG	PHC as Gasoline (TPHG)
PHCGC7C12	PHC as Gasoline (C7-C12)
PHCGUNK	Non-PHC as Gasoline
PHCHFO	PHC as Heavy Fuel Oils
PHCHFOUNK	Non-PHC as Heavy Fuel Oils
PHCIO	PHC as Insulating Oil
PHCJP4	PHC as JP-4
PHCK	PHC as Kerosene
PHCLUB	PHC as Lube Oil
PHCLUBUNK	Non-PHC as Lube Oil
PHD5	Phenol-d5
PHEN2F	2-Fluorobiphenyl
PHEND14	Terphenyl-d14
PHENM	m-Terphenyl
PHENO	o-Terphenyl
PHENOBAL	Phenobarbital

CODE	DESCRIPTION
PHENOL	Phenol
PHENOLD6	Phenol-d6
PHENP	p-Terphenyl
PHENYTOIN	5,5-Diphenylhydantoin
PHNACTN	Phenacetin
PHORATE	Phorate
PHOSAL	Phosalone
PHOSMET	Phosmet
PHOSPHAM	Phosphamidon
PHTHL	Phthalates
PICLORAM	Picloram
PICOLINE2	2-Picoline
PL	Palladium
PO4	Phosphorus, Total Orthophosphate (as PO4)
PO4RS	Phosphorus, Reactive soluble
PORG	Phosphorus, Total Organic (as P)
PORTHO	Phosphorus, Total Orthophosphate (as P)
POURPT	Pour Point
PR2BRCL	2-Bromo-1-chloropropane
PRIMICID	Pirimphos-ethyl
PROH	n-Propanol
PRONAMD	Pronamide
PROPACHLOR	Propachlor
PROPENE	Propylene
PROPGLY	Propylene glycol
PROPYCIL	Propylthiouracil
PROPYL	n-Propylamine
PT	Platinum
PTCBPH22346	2,2,3,4,6-Pentachlorobiphenyl
PU-238	Plutonium-238
PU239240	Plutonium-239/240
PYR	Pyrene
PYRD10	Pyrene-d10
PYRDN	Pyridine
QUINO	Quinoline
RA	Radium
RA-223	Radium-223
RA-224	Radium-224
RA-226	Radium-226
RA-228	Radium-228
RA226228	Radium-226 and Radium-228
RB	Rubidium
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine
RECN	Reactive Cyanide
REDOX	Oxidation-Reduction Potential
RH	Rhodium

CODE	DESCRIPTION
RONNEL	Ronnel
RRO	Residual Range Organics
RROALIPHATIC	Residual Range Organics, Aliphatic
RROAROMATIC	Residual Range Organics, Aromatic
RROC25C36	Residual Range Organics (C25-C36)
RROC28C40	Residual Range Organics (C28-C40)
RU	Ruthenium
S	Sulfide
SAFROLE	Safrole
SALINITY	Salinity
SALMONELLA	Salmonella
SAR	Sodium Absorption Ratio
SB	Antimony
SC	Specific Conductance
SCANDIUM	Scandium
SE	Selenium
SEM	Simultaneously Extracted Metals (Cd, Cu, Pb, Hg, Ni, and Zn)
SETMAT	Settleable Matter
SEVIN	Carbaryl
SG	Specific Gravity
SGTHEM	Silica Gel Treated Hexane Extractable Material
SI	Silicon
SIEVE10	Sieve No. 10, Percent Passing
SIEVE10F	Sieve No. 10, Fractional Percent Retained
SIEVE10PHI	Sieve, 10 Phi, Percent Passing
SIEVE10PHIF	Sieve, 10 Phi, Fractional Percent Retained
SIEVE140	Sieve No. 140, Percent Passing
SIEVE140F	Sieve No. 140, Fractional Percent Retained
SIEVE20	Sieve No. 20, Percent Passing
SIEVE200	Sieve No. 200, Percent Passing
SIEVE200F	Sieve No. 200, Fractional Percent Retained
SIEVE20F	Sieve No. 20, Fractional Percent Retained
SIEVE230	Sieve No. 230, Percent Passing
SIEVE230F	Sieve No. 230, Fractional Percent Retained
SIEVE4	Sieve No. 4, Percent Passing
SIEVE40	Sieve No. 40, Percent Passing
SIEVE40F	Sieve No. 40, Fractional Percent Retained
SIEVE4F	Sieve No. 4, Fractional Percent Retained
SIEVE4PHI	Sieve, 4 Phi, Percent Passing
SIEVE4PHIF	Sieve, 4 Phi, Fractional Percent Retained
SIEVE5PHI	Sieve, 5 Phi, Percent Passing
SIEVE5PHIF	Sieve, 5 Phi, Fractional Percent Retained
SIEVE60	Sieve No. 60, Percent Passing
SIEVE60F	Sieve No. 60, Fractional Percent Retained
SIEVE6PHI	Sieve, 6 Phi, Percent Passing
SIEVE6PHIF	Sieve, 6 Phi, Fractional Percent Retained

CODE	DESCRIPTION
SIEVE7PHI	Sieve, 7 Phi, Percent Passing
SIEVE7PHIF	Sieve, 7 Phi, Fractional Percent Retained
SIEVE8PHI	Sieve, 8 Phi, Percent Passing
SIEVE8PHIF	Sieve, 8 Phi, Fractional Percent Retained
SIEVE9PHI	Sieve, 9 Phi, Percent Passing
SIEVE9PHIF	Sieve, 9 Phi, Fractional Percent Retained
SIL	Silica
SILICATE	Silicate
SILSI	Silicon, as Silica
SILVEX	2,4,5-TP (Silvex)
SIMAZINE	Simazine
SM	Samarium
SN	Tin
SO3	Sulfite
SO4	Sulfate
SOLID	Solids, Percent
SOLIDVOA	Solids, Percent Volatile Components
SOLVRED23	Solvent Red 23
SOLVRED3	Solvent Red 3
SR	Strontium
SR-90	Strontium-90
SRB	Sulfate Reducing Bacteria
SRTOT	Total Strontium
SS	Suspended Solids
STIROFOS	Tetrachlorvinphos (Stirophos)
STROBANE	Strobane
STRYCHNINE	Strychnine
STY	Styrene
SU	Sulfur
SUB2MEPA3	Substituted Propanoic acid
SUB2MOTENE	Substituted Dimethyl octene
SUBACEAC	Substituted Acetic acid
SUBALKANE	Substituted Alkane
SUBALKENE	Substituted Alkene
SUBBEN1	Substituted Benzene #1
SUBBEN2	Substituted Benzene #2
SUBBEN3	Substituted Benzene #3
SUBBEN4	Substituted Benzene #4
SUBBEN5	Substituted Benzene #5
SUBBZ	Substituted Benzene
SUBBZACID	Substituted Benzoic acid
SUBBZALD	Substituted Benzaldehyde
SUBBZAMIDE	Substituted Benzamide
SUBBZPA	Substituted Benzenepropanoic acid
SUBBZSAMIDE	Substituted Benzenesulfonamide
SUBCBT	Substituted Cyclobutane

CODE	DESCRIPTION
SUBCHXN	Substituted Cyclohexane
SUBCHYD	Substituted Cyclic hydrocarbon
SUBCPT	Substituted Cyclopentane
SUBCPTO	Substituted Cyclopentanone
SUBDIOXIN	Substituted Dioxin
SUBDIOXLANE	Substituted Dioxolane Compound
SUBDS	Substituted Disulfide
SUBETHANOL	Substituted Ethanol
SUBETHONE	Substituted Ethanone
SUBH3PO4	Substituted Phosphonic acid
SUBHDIOIC	Substituted Hexanedioic acid
SUBHEPTANONE	Substituted Heptanone
SUBIND1	Substituted Indene #1
SUBIND2	Substituted Indene #2
SUBIND3	Substituted Indene #3
SUBIND4	Substituted Indene #4
SUBIND5	Substituted Indene #5
SUBINDENE	Substituted Indene
SUBINDENONE	Substituted Indenone
SUBMALKANE	Methyl substituted alkane
SUBMCHX	Methyl substituted cyclohexane
SUBNAPH	Substituted Naphthalene
SUBOCTENE	Substituted Octene
SUBOXIRANE	Substituted Oxirane
SUBPAH	Substituted PAH
SUBPENTENE	Substituted Pentene
SUBPHAN	Substituted Phenanthrene
SUBPHENOL	Substituted Phenol
SUBPLENE	Substituted Pentalene
SUBPROPANOL	Substituted Propanol
SUBPYR	Substituted Pyrene
SULFAL	Sulfallate
SULFID-R	Reactive Sulfide
SULFOTEP	Sulfotep
SULFX	Piperonyl sulfoxide
SULPROFOS	Bolstar (Sulprofos)
SURFACT	Surfactants
SYNTHETIC	Synthetic
T23P	Tris(2,3-dibromopropyl)phosphate
TA	Tantalum
TAL	Tannin and Lignin
TAME	tert-Amyl methyl ether
TB	Terbium
TBME	Bromoform
TBP	Tributyl phosphate
TBTSN	Tributyltin

CODE	DESCRIPTION
TBUTMEE	Methyl-t-butyl ether
TC1112	1,1,1,2-Tetrachloroethane
TCA111	1,1,1-Trichloroethane
TCA112	1,1,2-Trichloroethane
TCB123	1,2,3-Trichlorobenzene
TCB124	1,2,4-Trichlorobenzene
TCBZME	a,a,a-Trichlorotoluene
TCDD	Total Tetrachlorodibenzo-p-dioxins (TCDD)
TCDD2378	2,3,7,8-Tetrachlorodibenzo-p-dioxin
TCDD2378C13	2,3,7,8-Tetrachlorodiibenzo-p-dioxin-C13
TCDD2378CL37	2,3,7,8-Tetrachlorodibenzo-p-dioxin-CL37
TCDF	Total Tetrachlorodibenzofurans (TCDF)
TCDF2378	2,3,7,8-Tetrachlorodibenzofuran
TCDF2378C13	2,3,7,8-Tetrachlorodibenzofuran-C13
TCE	Trichloroethene
TCLME	Chloroform
TCLMED	Chloroform-D
TCP2346	2,3,4,6-Tetrachlorophenol
TCP235	2,3,5-Trichlorophenol
TCP245	2,4,5-Trichlorophenol
TCP246	2,4,6-Trichlorophenol
TCPR	Trichloropropane
TCPR123	1,2,3-Trichloropropane
TDGCL	Thiodiglycol
TDI	Toluene diisocyanate
TDS	Total Dissolved Solids
TEBTSN	Tetrabutyltin
TECLPHS	Tetrachlorophenols
TECMXYL	Tetrachlorometaxylene
TEGLY	Tetraethylene glycol
TEMP	Temperature
TEP	Triethyl phosphate
TEPP	Tetraethyl pyrophosphate
TEPTH	o,o,o-Triethyl phosphorothioate
TERBUFOS	Terbufos
TERMIL	Chlorothalonil
TETCBPH2244	2,2,4,4-Tetrachlorobiphenyl
TETRALIN	Naphthalene, 1,2,3,4-tetrahydro-
TETRYL	Methyl-2,4,6-trinitrophenylnitramine
TFBZME	Trifluorotoluene
TFS	Total Fixed Solids
TH	Thorium
TH1234N1	1,2,3,4-Tetrahydro-1-naphthol
THF	Tetrahydrofuran
THIOFANOX	Thiofanox
THM	Total Trihalomethanes

CODE	DESCRIPTION
THNAPH	Tetrahydronaphthol
TI	Titanium
TIME	Time
TL	Thallium
TLDNO	o-Toluidine
TLDNONT5	5-Nitro-o-toluidine
TLIPID	Total Lipids
TM224C5N	2,2,4-Trimethylpentane (Isoctane)
TM235NPH	2,3,5-Trimethylnaphthalene
TM236NPH	2,3,6-Trimethylnaphthalene
TMANIL245	2,4,5-Trimethylaniline
TMB123	1,2,3-Trimethylbenzene
TMB124	1,2,4-Trimethylbenzene
TMB135	1,3,5-Trimethylbenzene
TMCYHX	Trimethyl cyclohexane
TMEBZ1234	1,2,3,4-Tetramethylbenzene
TMEBZ1245	1,2,4,5-Tetramethylbenzene
TMEHX	Trimethyl hexane
TMEP	Trimethyl phosphate
TMGLY	Tetramethylene glycol
TNB135	1,3,5-Trinitrobenzene
TNT	2,4,6-Trinitrotoluene
TOC	Total Organic Carbon (TOC)
TOKUTHION	Tokuthion (Prothiofos)
TOTBACTERIA	Total Bacteria
TOTCHLRN	Total Chlorine
TOTPCB	Total Polychlorinatedbiphenyls
TOTPHEN	Phenolics, Total recoverable
TOTX	Total Halogens
TOX	Total Organic Halides (TOX)
TOXAP	Toxaphene
TPH	Triphenylene
TPHP	Triphenyl phosphate
TPROPSN	Tripropyltin
TPTSN	Tripentyltin
TRICBPH245	2,4,5,-Trichlorobiphenyl
TRICHLORFON	Trichlorfon
TRICLPHS	Trichlorophenols
TRIFLURALIN	Trifluralin
TSO	Total Solids
TT4P	Tri-p-tolyl phosphate
TTCT	Tetratetracontane
TURB	Turbidity
TVO	Total Volatile Organics
TVS	Total Volatile Solids
TX	Total Halides

CODE	DESCRIPTION
U	Uranium
U-234	Uranium-234
U-235	Uranium-235
U-238	Uranium-238
UNALD10	Unknown Aldehyde #10
UNALD8	Unknown Aldehyde #8
UNALD9	Unknown Aldehyde #9
UNK	Unknown
UNK1	Unknown #1
UNK10	Unknown #10
UNK11	Unknown #11
UNK12	Unknown #12
UNK13	Unknown #13
UNK14	Unknown #14
UNK15	Unknown #15
UNK16	Unknown #16
UNK17	Unknown #17
UNK18	Unknown #18
UNK19	Unknown #19
UNK2	Unknown #2
UNK20	Unknown #20
UNK3	Unknown #3
UNK4	Unknown #4
UNK5	Unknown #5
UNK6	Unknown #6
UNK7	Unknown #7
UNK8	Unknown #8
UNK9	Unknown #9
UNKAH	Unknown Aromatic hydrocarbon
UNKALC1	Unknown Alcohol #1
UNKALC2	Unknown Alcohol #2
UNKALC3	Unknown Alcohol #3
UNKALC4	Unknown Alcohol #4
UNKALC5	Unknown Alcohol #5
UNKALCOHOL	Unknown Alcohol
UNKALD1	Unknown Aldehyde #1
UNKALD2	Unknown Aldehyde #2
UNKALD3	Unknown Aldehyde #3
UNKALD4	Unknown Aldehyde #4
UNKALD5	Unknown Aldehyde #5
UNKALD6	Unknown Aldehyde #6
UNKALD7	Unknown Aldehyde #7
UNKALDEHYDE	Unknown Aldehyde
UNKALH1	Unknown Aliphatic hydrocarbon #1
UNKALH2	Unknown Aliphatic hydrocarbon #2
UNKALH3	Unknown Aliphatic hydrocarbon #3

CODE	DESCRIPTION
UNKALH4	Unknown Aliphatic hydrocarbon #4
UNKALH5	Unknown Aliphatic hydrocarbon #5
UNKALIPHY	Unknown Aliphatic hydrocarbon
UNKALK1	Unknown Alkene #1
UNKALK10	Unknown Alkene #10
UNKALK2	Unknown Alkene #2
UNKALK3	Unknown Alkene #3
UNKALK4	Unknown Alkene #4
UNKALK5	Unknown Alkene #5
UNKALK6	Unknown Alkene #6
UNKALK7	Unknown Alkene #7
UNKALK8	Unknown Alkene #8
UNKALK9	Unknown Alkene #9
UNKALKANE	Unknown Alkane
UNKALKANE1	Unknown Alkane #1
UNKALKANE10	Unknown Alkane #10
UNKALKANE11	Unknown Alkane #11
UNKALKANE12	Unknown Alkane #12
UNKALKANE13	Unknown Alkane #13
UNKALKANE14	Unknown Alkane #14
UNKALKANE15	Unknown Alkane #15
UNKALKANE16	Unknown Alkane #16
UNKALKANE17	Unknown Alkane #17
UNKALKANE18	Unknown Alkane #18
UNKALKANE19	Unknown Alkane #19
UNKALKANE2	Unknown Alkane #2
UNKALKANE20	Unknown Alkane #20
UNKALKANE3	Unknown Alkane #3
UNKALKANE4	Unknown Alkane #4
UNKALKANE5	Unknown Alkane #5
UNKALKANE6	Unknown Alkane #6
UNKALKANE7	Unknown Alkane #7
UNKALKANE8	Unknown Alkane #8
UNKALKANE9	Unknown Alkane #9
UNKALKBZ	Unknown Alkyl benzene
UNKALKBZ1	Unknown Alkyl benzene #1
UNKALKBZ10	Unknown Alkyl benzene #10
UNKALKBZ11	Unknown Alkyl benzene #11
UNKALKBZ12	Unknown Alkyl benzene #12
UNKALKBZ13	Unknown Alkyl benzene #13
UNKALKBZ14	Unknown Alkyl benzene #14
UNKALKBZ15	Unknown Alkyl benzene #15
UNKALKBZ16	Unknown Alkyl benzene #16
UNKALKBZ2	Unknown Alkyl benzene #2
UNKALKBZ3	Unknown Alkyl benzene #3
UNKALKBZ4	Unknown Alkyl benzene #4

CODE	DESCRIPTION
UNKALKBZ5	Unknown Alkyl benzene #5
UNKALKBZ6	Unknown Alkyl benzene #6
UNKALKBZ7	Unknown Alkyl benzene #7
UNKALKBZ8	Unknown Alkyl benzene #8
UNKALKBZ9	Unknown Alkyl benzene #9
UNKALKENE	Unknown Alkene
UNKALKENOL	Unknown Branched alkenol
UNKALKON1	Unknown Alkanone #1
UNKALKSUBBZ	Unknown Alkyl substituted benzene
UNKALKYNE	Unknown Alkyne
UNKAMIDE	Unknown Amide
UNKAMINE	Unknown Amine
UNKARH1	Unknown Aromatic hydrocarbon #1
UNKARH2	Unknown Aromatic hydrocarbon #2
UNKARH3	Unknown Aromatic hydrocarbon #3
UNKARH4	Unknown Aromatic hydrocarbon #4
UNKARH5	Unknown Aromatic hydrocarbon #5
UNKARO	Unknown Aromatic
UNKAROKET	Unknown Aromatic ketone
UNKBALK	Unknown Branched alkane
UNKBALK1	Unknown Branched alkane #1
UNKBALK2	Unknown Branched alkane #2
UNKBALK3	Unknown Branched alkane #3
UNKBALK4	Unknown Branched alkane #4
UNKBALK5	Unknown Branched alkane #5
UNKBALKANOL	Unknown Branched alkanol
UNKBALKENE	Unknown Branched alkene
UNKBCARBA	Unknown Branched carboxylic acid
UNKBCYALK	Unknown Branched cycloalkane
UNKBICYCLIC	Unknown Bicyclic
UNKBKETONE	Unknown Branched ketone
UNKBNAPH	Unknown Branched naphthalene
UNKBPAH	Unknown Branched PAH
UNKBRTRIENOL	Unknown Branched trienol
UNKBZALD	Unknown Benzaldehyde
UNKCALKANE	Unknown Cyclic alkane
UNKCARA1	Unknown Carboxcylic acid #1
UNKCARA2	Unknown Carboxcylic acid #2
UNKCARA3	Unknown Carboxcylic acid #3
UNKCARA4	Unknown Carboxcylic acid #4
UNKCARA5	Unknown Carboxcylic acid #5
UNKCARBAEST	Unknown Carboxylic acid ester
UNKCARBOXA	Unknown Carboxylic acid
UNKCHYD	Unknown Cyclic hydrocarbon
UNKCKETONE	Unknown Cyclic ketone
UNKCPYRDN	Unknown Chlorinated pyridine

CODE	DESCRIPTION
UNKCYAL1	Unknown Cyclic alkane #1
UNKCYAL10	Unknown Cyclic alkane #10
UNKCYAL2	Unknown Cyclic alkane #2
UNKCYAL3	Unknown Cyclic alkane #3
UNKCYAL4	Unknown Cyclic alkane #4
UNKCYAL5	Unknown Cyclic alkane #5
UNKCYAL6	Unknown Cyclic alkane #6
UNKCYAL7	Unknown Cyclic alkane #7
UNKCYAL8	Unknown Cyclic alkane #8
UNKCYAL9	Unknown Cyclic alkane #9
UNKCYH1	Unknown Cyclic hydrocarbon #1
UNKCYH2	Unknown Cyclic hydrocarbon #2
UNKCYH3	Unknown Cyclic hydrocarbon #3
UNKCYH4	Unknown Cyclic hydrocarbon #4
UNKCYH5	Unknown Cyclic hydrocarbon #5
UNKCYHEX	Unknown Cyclohexane
UNKCYHEX1	Unknown Cyclohexane #1
UNKCYHEX2	Unknown Cyclohexane #2
UNKCYKET1	Unknown Cycloketone #1
UNKCYKET2	Unknown Cycloketone #2
UNKCYKET3	Unknown Cycloketone #3
UNKCYKET4	Unknown Cycloketone #4
UNKCYKET5	Unknown Cycloketone #5
UNKESTER	Unknown Ester
UNKESTER1	Unknown Ester #1
UNKESTER2	Unknown Ester #2
UNKESTER3	Unknown Ester #3
UNKESTER4	Unknown Ester #4
UNKESTER5	Unknown Ester #5
UNKFATACID	Unknown Fatty acid
UNKHOPANE	Unknown Hopane
UNKHOPANE1	Unknown Hopane #1
UNKHOPANE2	Unknown Hopane #2
UNKHOPANE3	Unknown Hopane #3
UNKHYD	Unknown Hydrocarbon
UNKHYD1	Unknown Hydrocarbon #1
UNKHYD10	Unknown Hydrocarbon #10
UNKHYD2	Unknown Hydrocarbon #2
UNKHYD3	Unknown Hydrocarbon #3
UNKHYD4	Unknown Hydrocarbon #4
UNKHYD5	Unknown Hydrocarbon #5
UNKHYD6	Unknown Hydrocarbon #6
UNKHYD7	Unknown Hydrocarbon #7
UNKHYD8	Unknown Hydrocarbon #8
UNKHYD9	Unknown Hydrocarbon #9
UNKINDOLE	Unknown Indole

CODE	DESCRIPTION
UNKKET1	Unknown Ketone #1
UNKKET2	Unknown Ketone #2
UNKKET3	Unknown Ketone #3
UNKKET4	Unknown Ketone #4
UNKKET5	Unknown Ketone #5
UNKKETONE	Unknown Ketone
UNKMS1	Unknown Methylated siloxane #1
UNKMS2	Unknown Methylated siloxane #2
UNKMS3	Unknown Methylated siloxane #3
UNKOXYCOM	Unknown Oxygenated compound
UNKOXYCOM1	Unknown Oxygenated compound #1
UNKOXYCOM2	Unknown Oxygenated compound #2
UNKOXYCOM3	Unknown Oxygenated compound #3
UNKOXYCOM4	Unknown Oxygenated compound #4
UNKPAH	Unknown Polynuclear aromatic hydrocarbon
UNKPAH1	Unknown Polynuclear aromatic hydrocarbon #1
UNKPAH2	Unknown Polynuclear aromatic hydrocarbon #2
UNKPAH3	Unknown Polynuclear aromatic hydrocarbon #3
UNKPAH4	Unknown Polynuclear aromatic hydrocarbon #4
UNKPAH5	Unknown Polynuclear aromatic hydrocarbon #5
UNKPCB	Unknown Polychloronated biphenyl
UNKPCB1	Unknown Polychloronated biphenyl #1
UNKPCB10	Unknown Polychloronated biphenyl #10
UNKPCB11	Unknown Polychloronated biphenyl #11
UNKPCB12	Unknown Polychloronated biphenyl #12
UNKPCB13	Unknown Polychloronated biphenyl #13
UNKPCB2	Unknown Polychloronated biphenyl #2
UNKPCB3	Unknown Polychloronated biphenyl #3
UNKPCB4	Unknown Polychloronated biphenyl #4
UNKPCB5	Unknown Polychloronated biphenyl #5
UNKPCB6	Unknown Polychloronated biphenyl #6
UNKPCB7	Unknown Polychloronated biphenyl #7
UNKPCB8	Unknown Polychloronated biphenyl #8
UNKPCB9	Unknown Polychloronated biphenyl #9
UNKPHLATE	Unknown Phthalate
UNKPHT1	Unknown Phthalate #1
UNKPHT2	Unknown Phthalate #2
UNKPHT3	Unknown Phthalate #3
UNKPHT4	Unknown Phthalate #4
UNKPHT5	Unknown Phthalate #5
UNKSILOXANE	Unknown Siloxane
UNKSTE1	Unknown Sterol #1
UNKSTE2	Unknown Sterol #2
UNKSTE3	Unknown Sterol #3
UNKSTE4	Unknown Sterol #4
UNKSTE5	Unknown Sterol #5

CODE	DESCRIPTION
UNKSTERANE	Unknown Sterane
UNKSTERANE1	Unknown Sterane #1
UNKSTERANE2	Unknown Sterane #2
UNKSTERANE3	Unknown Sterane #3
UNKSTERANE4	Unknown Sterane #4
UNKSTEROL	Unknown Sterol
UNKSUBALCOH	Unknown Substituted alcohol
UNKSUBALK1	Unknown Substituted alkane #1
UNKSUBALK2	Unknown Substituted alkane #2
UNKSUBALK3	Unknown Substituted alkane #3
UNKSUBALK4	Unknown Substituted alkane #4
UNKSUBALK5	Unknown Substituted alkane #5
UNKSUBARO1	Unknown Substituted aromatic #1
UNKSUBARO2	Unknown Substituted aromatic #2
UNKSUBARO3	Unknown Substituted aromatic #3
UNKSUBARO4	Unknown Substituted aromatic #4
UNKSUBARO5	Unknown Substituted aromatic #5
UNKSUBBZ1	Unknown Substituted benzene #1
UNKSUBBZ2	Unknown Substituted benzene #2
UNKSUBBZ3	Unknown Substituted benzene #3
UNKSUBBZ4	Unknown Substituted benzene #4
UNKSUBBZ5	Unknown Substituted benzene #5
UNKSUBCYALK	Unknown Substituted cycloalkane
UNKSUBIND1	Unknown Substituted indene #1
UNKSUBIND2	Unknown Substituted indene #2
UNKSUBIND3	Unknown Substituted indene #3
UNKSUBINDENE	Unknown Substituted indene
UNKSUBPAH	Unknown Substituted PAH
UNKSUBPAH1	Unknown Substituted PAH #1
UNKSUBPAH2	Unknown Substituted PAH #2
UNKSUBPHENOL	Unknown Substituted phenol
UNKSULPHUR	Unknown Sulphur
UNKTHIAZOLE	Unknown Thiazole
UTOT	Uranium, Total
V	Vanadium
VA	Vinyl acetate
VC	Vinyl chloride
VISCOS	Viscosity
W	Tungsten
WATER	Water Content
WICHLRN	Water Insoluble Chlorine
WOLLASTONITE	Wollastonite
WSCL	Water Soluble Chlorides
WTPH-D	State of Washington, Diesel Range Organics
WTPH-G	State of Washington, Gasoline Range Organics
XYL2456CLM	2,4,5,6-Tetrachloro-meta-xylene

CODE	DESCRIPTION
XYL246CLM	2,4,5,6-Tetrachloro-meta-xylene (obsolete in Jan. 2000)
XYLENES	Xylenes
XYLENES1214	Xylene, Isomers o & p
XYLENES1314	Xylene, Isomers m & p
XYLM	m-Xylene
XYLMP	m,p-Xylene (Sum of Isomers)
XYLO	o-Xylene
XYLP	p-Xylene
Y	Yttrium
YB	Ytterbium
ZINOPHOS	Thionazine
ZN	Zinc
ZR	Zirconium

Acceptable *PARLABEL* Values Sorted by Description:

CODE	DESCRIPTION
TC1112	1,1,1,2-Tetrachloroethane
TCA111	1,1,1-Trichloroethane
PCA	1,1,2,2-Tetrachloroethane
FC113	1,1,2-Trichloro-1,2,2-trifluoroethane
TCA112	1,1,2-Trichloroethane
PCB199	1,1'-Biphenyl, 2,2',3,3',4,5,5',6'-octachloro-
PCB182	1,1'-Biphenyl, 2,2',3,4,4',5,6'-heptachloro-
PCB139	1,1'-Biphenyl, 2,2',3,4,4',6-hexachloro-
PCB0005	1,1'-Biphenyl, pentachloro-
DCA11	1,1-Dichloroethane
DCE11	1,1-Dichloroethene
DCPANE	1,1-Dichloropropane
11DCPROPN	1,1-Dichloropropanone
DCP11	1,1-Dichloropropene
HPCDF1234678	1,2,3,4,6,7,8-Heptachlorodibenzofuran
DF1234678C13	1,2,3,4,6,7,8-Heptachlorodibenzofuran-C13
HPCDD1234678	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin
DD1234678C13	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin-C13
HPCDF1234789	1,2,3,4,7,8,9-Heptachlorodibenzofuran
DF1234789C13	1,2,3,4,7,8,9-Heptachlorodibenzofuran-C13
HXCDF123478	1,2,3,4,7,8-Hexachlorodibenzofuran
DF123478C13	1,2,3,4,7,8-Hexachlorodibenzofuran-C13
HXCDD123478	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin
DD123478C13	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin-C13
TH1234N1	1,2,3,4-Tetrahydro-1-naphthol
TMEBZ1234	1,2,3,4-Tetramethylbenzene
527-53-7	1,2,3,5-Tetramethylbenzene
HXCDF123678	1,2,3,6,7,8-Hexachlorodibenzofuran

CODE	DESCRIPTION
DF123678C13	1,2,3,6,7,8-Hexachlorodibenzofuran-C13
HXCDD123678	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin
DD123678C13	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin-C13
HXCDF123789	1,2,3,7,8,9-Hexachlorodibenzofuran
DF123789C13	1,2,3,7,8,9-Hexachlorodibenzofuran-C13
HXCDD123789	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin
PECDF12378	1,2,3,7,8-Pentachlorodibenzofuran
DF12378C13	1,2,3,7,8-Pentachlorodibenzofuran-C13
PECDD12378	1,2,3,7,8-Pentachlorodibenzo-p-dioxin
DD12378C13	1,2,3,7,8-Pentachlorodibenzo-p-dioxin-C13
TCB123	1,2,3-Trichlorobenzene
TCPR123	1,2,3-Trichloropropane
TMB123	1,2,3-Trimethylbenzene
C4BZ1245	1,2,4,5-Tetrachlorobenzene
TMEBZ1245	1,2,4,5-Tetramethylbenzene
TCB124	1,2,4-Trichlorobenzene
TMB124	1,2,4-Trimethylbenzene
DBCP	1,2-Dibromo-3-chloropropane
EDB	1,2-Dibromoethane
FC114	1,2-Dichloro-1,1,2,2-tetrafluoroethane
DCBZ12	1,2-Dichlorobenzene
DCBZ12D4	1,2-Dichlorobenzene-d4
DCA12	1,2-Dichloroethane
DCA12D4	1,2-Dichloroethane-d4
DCE12TOT	1,2-Dichloroethene, Total
DCPA12	1,2-Dichloropropane
DM12NPH	1,2-Dimethylnaphthalene
DNBZ12	1,2-Dinitrobenzene
DPHY12	1,2-Diphenylhydrazine
TMB135	1,3,5-Trimethylbenzene
TNB135	1,3,5-Trinitrobenzene
ERYTHRENE	1,3-Butadiene
13DCPR20H	1,3-Dichloro-2-propanol
DCBZ13	1,3-Dichlorobenzene
DCPA13	1,3-Dichloropropane
DCP13	1,3-Dichloropropene (Total)
DM13NBZ2	1,3-Dimethyl-2-nitrobenzene
874-41-9	1,3-Dimethyl-4-ethylbenzene
DNB13	1,3-Dinitrobenzene
DCBZ14D4	1,4 Dichlorobenzene-d4
14BZDIOL	1,4-Benzenediol
DCBETOT	1,4-Dichloro-2-butene, Total
DCBZ14	1,4-Dichlorobenzene
DCBTA14	1,4-Dichlorobutane
DFBZ14	1,4-Difluorobenzene
DNBZ14	1,4-Dinitrobenzene

CODE	DESCRIPTION
DIOXANE14	1,4-Dioxane
14DITH	1,4-Dithiane
14HYDROQ	1,4-Hydroquinone
NAPHQ14	1,4-Naphthoquinone
OXATH14	1,4-Oxathiane
ANLNAM4	1,4-Phenylenediamine
571-61-9	1,5-Dimethylnaphthalene
DM16NPH	1,6-Dimethylnaphthalene
13CPCB209	13C-PCB 209
AC2T	1-Acetyl-2-thiourea
1BR2FLET	1-Bromo-2-fluoroethane
CLFBZ2	1-Chloro-2-fluorobenzene
1CL2MEPE	1-Chloro-2-methylpropene
CLNO2BZ3	1-Chloro-3-nitrobenzene
CLFBZ4	1-Chloro-4-fluorobenzene
BTCL	1-Chlorobutane
4860-03-1	1-Chlorohexadecane
CLHXDC1	1-Chlorohexadecane
CLHX1	1-Chlorohexane
CLNPH1	1-Chloronaphthalene
CLODC1	1-Chlorooctadecane
1CLOCT	1-Chlorooctane
933-98-2	1-Ethyl-2,3-dimethylbenzene
1E2MBZ	1-Ethyl-2-methylbenzene
1127-76-0	1-Ethylnaphthalene
NAPHF	1-Fluoronaphthalene
ET2HEOH	1-Hexanol, 2-ethyl-
592-41-6	1-Hexene
13427-43-5	1-Hexene, 3,3,5-trimethyl-
MP22BZ	1-Methyl-2-(2-propenyl)-benzene
1074-17-5	1-Methyl-2-n-propylbenzene
620-14-4	1-Methyl-3-ethylbenzene
535-77-3	1-Methyl-3-isopropylbenzene
MTNPH1	1-Methylnaphthalene
MPHAN1	1-Methylphenanthrene
AMINONAPH1	1-Naphthylamine
2088-07-5	1-Penten-3-ol, 2-methyl-
25044-01-3	1-Penten-3-one, 2-methyl-
115-11-7	1-Propene, 2-methyl-
BTOXETETL	2-(2-Butoxyethoxy) ethanol
ETETH	2-(2-Ethoxyethoxy) ethanol
111-77-3	2-(2-Methoxyethoxy) ethanol
PCB206	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl
PCB170	2,2',3,3',4,4',5-Heptachlorobiphenyl
HCBPH2233446	2,2,3,3,4,4,6-Heptachlorobiphenyl
OCBPH2233456	2,2,3,3,4,5,6,6-Octachlorobiphenyl

CODE	DESCRIPTION
PCB180	2,2',3,4,4',5,5'-Heptachlorobiphenyl
PCB138	2,2',3,4,4',5'-Hexachlorobiphenyl
PCB187	2,2',3,4',5,5',6-Heptachlorobiphenyl
PCB141	2,2',3,4,5,5'-Hexachlorobiphenyl
PCB87	2,2',3,4,5'-Pentachlorobiphenyl
PTCBPH22346	2,2,3,4,6-Pentachlorobiphenyl
PCB151	2,2',3,5,5',6-Hexachlorobiphenyl
PCB44	2,2',3,5'-Tetrachlorobiphenyl
PCB153	2,2',4,4',5,5'-Hexachlorobiphenyl
HXCBPH224456	2,2,4,4,5,6-Hexachlorobiphenyl
TETCBPH2244	2,2,4,4-Tetrachlorobiphenyl
PCB101	2,2',4,5,5'-Pentachlorobiphenyl
TM224C5N	2,2,4-Trimethylpentane (Isoctane)
PCB52	2,2',5,5'-Tetrachlorobiphenyl
PCB18	2,2',5-Trichlorobiphenyl
DCPA22	2,2-Dichloropropane
PCB110	2,3,3',4',6-Pentachlorobiphenyl
PCB66	2,3',4,4'-Tetrachlorobiphenyl
HXCDF234678	2,3,4,6,7,8-Hexachlorodibenzofuran
DF234678C13	2,3,4,6,7,8-Hexachlorodibenzofuran-C13
TCP2346	2,3,4,6-Tetrachlorophenol
PECDF23478	2,3,4,7,8-Pentachlorodibenzofuran
DF23478C13	2,3,4,7,8-Pentachlorodibenzofuran-C13
234TFBZME	2,3,4-Trifluorotoluene
565-75-3	2,3,4-Trimethylpentane
TCP235	2,3,5-Trichlorophenol
TM235NPH	2,3,5-Trimethylnaphthalene
TM236NPH	2,3,6-Trimethylnaphthalene
TCDF2378	2,3,7,8-Tetrachlorodibenzofuran
TCDF2378C13	2,3,7,8-Tetrachlorodibenzofuran-C13
TCDD2378	2,3,7,8-Tetrachlorodibenzo-p-dioxin
TCDD2378CL37	2,3,7,8-Tetrachlorodibenzo-p-dioxin-CL37
TCDD2378C13	2,3,7,8-Tetrachlorodiibenzo-p-dioxin-C13
DCBPH23	2,3-Dichlorobiphenyl
4175-53-5	2,3-Dihydro-1,3-dimethyl-1H-indene
767-58-8	2,3-Dihydro-1-methyl-1H-indene
27133-93-3	2,3-Dihydro-1-methylindene
6682-71-9	2,3-Dihydro-4,7-dimethyl-1H-indene
824-22-6	2,3-Dihydro-4-methyl-1H-indene
874-35-1	2,3-Dihydro-5-methyl-1H-indene
XYL2456CLM	2,4,5,6-Tetrachloro-meta-xylene
XYL246CLM	2,4,5,6-Tetrachloro-meta-xylene (obsolete in Jan. 2000)
TRICBPH245	2,4,5,-Trichlorobiphenyl
245T	2,4,5-T
245TBEE	2,4,5-T, butoxyethanol ester
245TBE	2,4,5-T, butyl ester

CODE	DESCRIPTION
SILVEX	2,4,5-TP (Silvex)
TCP245	2,4,5-Trichlorophenol
TMANIL245	2,4,5-Trimethylaniline
PH246BR	2,4,6-Tribromophenol
TCP246	2,4,6-Trichlorophenol
TNT	2,4,6-Trinitrotoluene
24D	2,4-D
24DEE	2,4-D, 2-ethylhexyl ester
24DBE	2,4-D, butoxyethanol ester
24DB	2,4-DB
DDD24	2,4'-DDD
DDE24	2,4'-DDE
DDT24	2,4'-DDT
MTD	2,4-Diaminotoluene
DCBZALD24	2,4-Dichlorobenzaldehyde
DCP24	2,4-Dichlorophenol
24DCPHYAA	2,4-Dichlorophenylacetic acid
DMP24	2,4-Dimethylphenol
DNA24	2,4-Dinitroaniline
24NO2FBZ	2,4-Dinitrofluorobenzene
DNP24	2,4-Dinitrophenol
DNT24	2,4-Dinitrotoluene
DCP26	2,6-Dichlorophenol
4057-42-5	2,6-Dimethyl-2-octene
26DIM6NITRO	2,6-Dimethyl-6-nitro-2-hepten-4-one
DM26NPH	2,6-Dimethylnaphthalene
DNT26	2,6-Dinitrotoluene
ACAMFL2	2-Acetylaminofluorene
A2DNT46	2-Amino-4,6-dinitrotoluene
AMAQ2	2-Aminoanthraquinone
PR2BRCL	2-Bromo-1-chloropropane
2BR46DCP	2-Bromo-4,6-dichlorophenol
2BRPROPENE	2-Bromopropene
MEK	2-Butanone
111-76-2	2-Butoxy-ethanol
CHLOROPRENE	2-Chloro-1,3-butadiene (Chloroprene)
CLACRN2	2-Chloroacrylonitrile
2CLANILINE	2-Chloroaniline
2CLANTH	2-Chloroanthracene
CBPH2	2-Chlorobiphenyl
CLCYHXAL2	2-Chlorocyclohexanol
CL2ETOH	2-Chloroethanol
CEVETH	2-Chloroethyl vinyl ether
CNPH2	2-Chloronaphthalene
CLPH2	2-Chlorophenol
CLPH2D4	2-Chlorophenol-d4

CODE	DESCRIPTION
CLBZME2	2-Chlorotoluene
CYHEX2DNP46	2-Cyclohexyl-4,6-dinitrophenol
2870-04-4	2-Ethyl-1,3-dimethylbenzene
PHEN2F	2-Fluorobiphenyl
PH2F	2-Fluorophenol
HXO2	2-Hexanone
2HPROPN	2-Hydroxypropionitrile
2027-17-0	2-Isopropylnaphthalene
DN46M	2-Methyl-4,6-dinitrophenol
78-78-4	2-Methylbutane
MTNPH2	2-Methylnaphthalene
MTNPH2D10	2-Methylnaphthalene-d10
MEPH2	2-Methylphenol (o-Cresol)
2MPA1E	2-Methylpropanoic acid
AMINONAPH2	2-Naphthylamine
NO2ANIL2	2-Nitroaniline
2NO2MXYL	2-Nitro-m-Xylene
NTPH2	2-Nitrophenol
NPR2	2-Nitropropane
NBZME2	2-Nitrotoluene
NBZME24	2-Nitrotoluene and 4-Nitrotoluene (Total)
MPK	2-Pentanone
DIACOH	2-Pentanone, 4-hydroxy-4-methyl-
PICOLINE2	2-Picoline
2PROPENOL	2-Propenol
2PRYN1OL	2-Propyn-1-ol
2PYRR1M	2-Pyrrolidinone, 1-methyl-
CLM3CPYRDN	3-(Chloromethyl)pyridine hydrochloride
DBZD33	3,3'-Dichlorobenzidine
DMOBZD33	3,3'-Dimethoxybenzidine
DMBZD33	3,3'-Dimethylbenzidine
DNT34	3,4-Dinitrotoluene
DCBZA35	3,5-Dichlorobenzoic acid
FARN	3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol
A3ECBZ9	3-Amino-9-ethylcarbazole
CPN3	3-Chloropropionitrile
16747-32-3	3-Ethyl-2,2-dimethylpentane
107-86-8	3-Methyl-2-butenal
MECHLAN3	3-Methylcholanthrene
MEPH3	3-Methylphenol
MEPH34CO	3-Methylphenol/4-Methylphenol Coelution
NO2ANIL3	3-Nitroaniline
NBZME3	3-Nitrotoluene
625-33-2	3-Penten-2-one
DDD44	4,4'-DDD
DDE44	4,4'-DDE

CODE	DESCRIPTION
DDE44DIEL	4,4'-DDE/Dieldrin
DDT44	4,4'-DDT
MB2CAN44	4,4'-Methylenebis(2-chloraniline)
MICHLER	4,4'-Methylenebis(N,N-dimethylaniline)
ODA	4,4'-Oxydianiline
A4DNT26	4-Amino-2,6-dinitrotoluene
AMINOBPH4	4-Aminobiphenyl
BR4DCP26	4-Bromo-2,6-dichlorophenol
BRCLBZ4	4-Bromochlorobenzene
BR4FBZ	4-Bromofluorobenzene
BPPE4	4-Bromophenyl phenyl ether
CL4PED12	4-Chloro-1,2-phenylenediamine
CL4PED13	4-Chloro-1,3-phenylenediamine
C4M2PH	4-Chloro-2-methylphenol
C4M3PH	4-Chloro-3-methylphenol
CLANIL4	4-Chloroaniline
CPPE4	4-Chlorophenyl phenyl ether
CLBZME4	4-Chlorotoluene
EBZME4	4-Ethyltoluene
CYMP	4-Isopropyltoluene
MIBK	4-Methyl-2-pentanone
141-79-7	4-Methyl-3-penten-2-one
MEPH4	4-Methylphenol (p-Cresol)
NO2ANIL4	4-Nitroaniline
4N2PHEN	4-Nitrobiphenyl
NTPH4	4-Nitrophenol
4NQO	4-Nitroquinoline-n-oxide
NBZME4	4-Nitrotoluene
PHENYTOIN	5,5-Diphenylhydantoin
ANDROSTANE5A	5a-Androstane
CL5MANIL2	5-Chloro-2-methylaniline
HYDDICAM	5-Hydroxydicamba
NACN5	5-Nitroacenaphthene
N2ANSD5	5-Nitro-o-anisidine
TLDNONT5	5-Nitro-o-toluidine
ME5CHRYSENE	6-Methylchrysene
DMBZA712	7,12-Dimethylbenz(a)anthracene
DB7HCGCBZ	7H-Dibenzo(c,g)carbazole
DPHANTH910	9,10-Diphenylanthracene
1430-97-3	9H-Fluorene, 2-methyl-
9PHENAN	9-Phenylanthracene
TCBZME	a,a,a-Trichlorotoluene
AAATFBZME	a,a,a-Trifluorotoluene
MPEA11	a,a-Dimethylphenethylamine
ACNP	Acenaphthene
ACNPD10	Acenaphthene-d10

CODE	DESCRIPTION
ACNPY	Acenaphthylene
79-20-9	Acetic acid, methyl ester
ACE	Acetone
ACCN	Acetonitrile
ACPHN	Acetophenone
AGP	Acid Generating Potential
ANC	Acid Neutralizing Capacity
AISULFIDE	Acid-Insoluble Sulfide
ACID	Acidity, Total
ASULFIDE	Acid-Soluble Sulfide
AVS	Acid-Volatile Sulfide
AFN	Acifluorfen
ACRL	Acrolein
ACRN	Acrylamide
ACRAMD	Acrylonitrile
AC-228	Actinium-228
ALACL	Alachlor
ALDICARB	Aldicarb
ALDSULFOX	Aldicarb sulfoxide
ALDRIN	Aldrin
ALK	Alkalinity, Total
ALLYLALCOHOL	Allyl alcohol
CLPE3	Allyl chloride
ALPHA	Alpha, Gross
BHCALPHA	alpha-BHC
CHLORDANEA	alpha-Chlordane
APINENE	alpha-Pinene
AL	Aluminum
CNA	Amenable Cyanide
AMAZOBENZ	Aminoazobenzene
NH3	Ammonia
NH4N	Ammonium as Nitrogen
AMOSITE	Amosite
ANZIN	Anilazine
ANILINE	Aniline
ANILINED5	Aniline-d5
ANTH	Anthracene
ANTHD10	Anthracene-d10
SB	Antimony
APIGRAVITY	API Gravity
ARAMITE	Aramite
AS	Arsenic
ASBESTOS	Asbestos
ASH	Ash Content
ASULAM	Asulam
ATRAZINE	Atrazine

CODE	DESCRIPTION
AZIPM	Azinphos methyl
AZOBENZENE	Azobenzene
BARBAN	Barban
BA	Barium
BTZ	Bentazon
BZALD	Benzaldehyde
BZ	Benzene
2049-95-8	Benzene, (1,1-Dimethylpropyl)-
2050-24-0	Benzene, 1,3-diethyl-5-methyl-
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
BZD6	Benzene-d6
BZD	Benzidine
BZAA	Benzo(a)anthracene
BZAP	Benzo(a)pyrene
BZBF	Benzo(b)fluoranthene
BZBFBZKF	Benzo(b)fluoranthene and Benzo(k)fluoranthene
BZEP	Benzo(e)pyrene
BZGHIP	Benzo(g,h,i)perylene
BZJF	Benzo(j)fluoranthene
BZKF	Benzo(k)fluoranthene
BZACID	Benzoic acid
BZTZ	Benzothiazole
BZLAL	Benzyl alcohol
BBP	Benzyl butyl phthalate
BE	Beryllium
BETA	Beta, Gross
BHCBETA	beta-BHC
BPROPACT	beta-Propiolactone
ALKB	Bicarbonate Alkalinity as CACO3
BICACO3	Bicarbonate as CaCO3
HCO3	Bicarbonate as HCO3
BCHPD	Bicyclo[2,2,1]hepta-2,5-diene
BOD5	Biologic Oxygen Demand, Five-Day
BIPHENYL	Biphenyl
BIS2BEE	Bis(2-butoxyethyl) ether
BECEM	bis-(2-chloroethoxy)methane
B2CES	bis-(2-Chloroethyl) sulfide
BIS2CEE	bis-(2-Chloroethyl)ether
BIS2CIE	bis(2-Chloroisopropyl)ether
DOA	bis(2-ethylhexyl)adipate
BIS2EHP	bis-(2-ethylhexyl)phthalate
BI	Bismuth
BI-212	Bismuth-212
BI-214	Bismuth-214
SULPROFOS	Bolstar (Sulprofos)
121-43-7	Boric acid, trimethyl ester

CODE	DESCRIPTION
B	Boron
BPLACTONE	b-Propiolactone
BROMCIL	Bromacil
BR	Bromide
BACE	Bromoacetone
BRBZ	Bromobenzene
BRCLME	Bromochloromethane
BDCME	Bromodichloromethane
BREA	Bromoethane
TBME	Bromoform
BRME	Bromomethane
BROXL	Bromoxynil
BDENSITY	Bulk Density
BUTACHLOR	Butachlor
BTA	Butanoic acid
BTSN	Butyltin
C10C10N	C10 as n-Decane
C10C12ALIPH	C10-C12 Aliphatics
C10C12AROM	C10-C12 Aromatics
C10C24ALIPH	C10-C24 Aliphatics
C10C24AROM	C10-C24 Aromatics
ISC10H12	C10H12 Isomer
C11C11N	C11 as n-Undecane
ISC11H120	C11H120 Isomer
C12C12N	C12 as n-Dodecane
C12C16ALIPH	C12-C16 Aliphatics
C12C16AROM	C12-C16 Aromatics
C13C13N	C13 as n-Tridecane
C14C14N	C14 as n-Tetradecane
C15C15N	C15 as n-Pentadecane
C16C16N	C16 as n-Hexadecane
C16C21ALIPH	C16-C21 Aliphatics
C16C21AROM	C16-C21 Aromatics
C17C17N	C17 as n-Heptadecane
C18C18N	C18 as n-Octadecane
CHRYSENEC1	C1-Chrysenes
DBTC1	C1-Dibenzothiophenes
FLAC1PYR	C1-Fluoranthenes/Pyrenes
FLC1	C1-Fluorenes
PHANC1A	C1-Phenanthrenes/Anthrace
C21C34ALIPH	C21-C34 Aliphatics
C21C34AROM	C21-C34 Aromatics
C25C36ALIPH	C25-C36 Aliphatics
C25C36AROM	C25-C36 Aromatics
CHRYSENEC2	C2-Chrysenes
DBTC2	C2-Dibenzothiophenes

CODE	DESCRIPTION
FLC2	C2-Fluorenes
NPHC2	C2-Naphthalenes
PHANC2A	C2-Phenanthrenes/Anthrace
CHRYSENEC3	C3-Chrysenes
DBTC3	C3-Dibenzothiophenes
FLC3	C3-Fluorenes
NPHC3	C3-Naphthalenes
PHANC3A	C3-Phenanthrenes/Anthrace
CHRYSENEC4	C4-Chrysenes
NPHC4	C4-Naphthalenes
PHANC4A	C4-Phenanthrenes/Anthrace
C5C16TPH	C5-C16 Total Petroleum Hydrocarbons
C5C6ALIPH	C5-C6 Aliphatics
C6HEXANE	C6 as n-Hexane
C6C10ALIPH	C6-C10 Aliphatics
C6C10AROM	C6-C10 Aromatics
C6C8ALIPH	C6-C8 Aliphatics
C7HEPTANE	C7 as n-Heptane
C8C8N	C8 as n-Octane
C8C10ALIPH	C8-C10 Aliphatics
C8C10AROM	C8-C10 Aromatics
ISC8H803	C8H803 Isomer
C9C9N	C9 as n-Nonane
CD	Cadmium
CAFFEINE	Caffeine
CA	Calcium
CACO3EQ	Calcium Carbonate Equivalent
CAMPHENE	Camphene
CAPT	Captafol
CAPTAN	Captan
SEVIN	Carbaryl
CARBAZOLE	Carbazole
CRBFN	Carbofuran
CO2	Carbon dioxide
CDS	Carbon disulfide
CTCL	Carbon tetrachloride
ALKC	Carbonate Alkalinity as CACO3
CACO3	Carbonate as CaCO3
CO3	Carbonate as CO3
CARBOPHENOTH	Carbophenothion
CATION-EX	Cation Exchange Capacity
CELLFIBER	Cellulose fiber
CE	Cerium
CS	Cesium
CS-134	Cesium-134
CS-137	Cesium-137

CODE	DESCRIPTION
COD	Chemical Oxygen Demand
CHLORALHY	Chloral hydrate
CLBEN	Chloramben
CHLORDANE	Chlordane
CVP	Chlorfenvinphos
CL	Chloride
CLHYD	Chlorinated Hydrocarbon
CHLORINE	Chlorine, Total residual
CHLORMEPHOS	Chlormephos
CLACTH	Chloroacetaldehyde
CAA	Chloroacetic acid
CLAN	Chloroacetonitrile
CLBZ	Chlorobenzene
CLBZD5	Chlorobenzene-d5
CLBZLATE	Chlorobenzilate
CLEA	Chloroethane
TCLME	Chloroform
TCLMED	Chloroform-D
CLME	Chloromethane
CLMME	Chloromethyl methyl ether
CHLOROPHYLLA	Chlorophyll a
CLPROP	Chloropropylate
TERMIL	Chlorothalonil
BZLCL	Chlorotoluene
CLPYRIFOS	Chlorpyrifos
CR	Chromium
CR3	Chromium III
CR6	Chromium, Hexavalent
CHRYSENE	Chrysene
CHRYSENED12	Chrysene-d12
CHRYSO	Chrysotile
DCE12C	cis-1,2-Dichloroethene
DCP13C	cis-1,3-Dichloropropene
DCBE14C	cis-1,4-Dichloro-2-butene
CLOUDPT	Cloud Point
CO	Cobalt
CO-60	Cobalt-60
COLIFORM	Coliform, Total
COLOR	Color
COLORAPPRNT	Color, Apparent
COLORTRUE	Color, True
COND	Conductivity
CU	Copper
CORRPH	Corrosivity as pH
CORROS	Corrosivity Toward Steel
COUMAPHOS	Coumaphos

CODE	DESCRIPTION
COUMARIN	Coumarin Dyes
MEPHS	Cresols (Methyl Phenols)
CROCID	Crocidolite
2BUTENAL	Crotonaldehyde
CROTOX	Crotoxyphos
CN	Cyanide
HCN	Cyanide (as HCN)
CYHEXANE	Cyclohexane
50876-31-8	Cyclohexane, 1,1,3,5-tetramethyl-, trans-
2234-75-5	Cyclohexane, 1,2,4-trimethyl-
624-29-3	Cyclohexane, 1,4-dimethyl-, cis-
2207-04-7	Cyclohexane, 1,4-dimethyl-, trans-
4926-78-7	Cyclohexane, 1-ethyl-4-methyl-, cis-
6236-88-0	Cyclohexane, 1-ethyl-4-methyl-, trans-
108-87-2	Cyclohexane, methyl-
4292-92-6	Cyclohexane, pentyl-
1678-92-8	Cyclohexane, propyl-
CYHEXPROP	Cyclohexanepropanol
CYHEKET	Cyclohexanone
16538-93-5	Cyclooctane, butyl-
CYC5N	Cyclopentane
53771-88-3	Cyclopentane, 1-methyl-3-(1-methylethyl)-
24642-72-6	Cydohexane carboxylic acid
2532-58-3	Cylcopentane, 1,3-dimethyl-, cis-
DALAPON	Dalapon
DU	Data Unavailable
DACTH	DCPA (Dacthal)
METABOLITES	DCPA acid metabolites (a)
CL10BZ2	Decachlorobiphenyl
FIOBPH	Decafluorobiphenyl
FIOTPHPINE	Decafluorotriphenylphosphine
DMCPS	Decamethylcyclopentasiloxane
124-18-5	Decane
334-48-5	Decanoic acid
BHCDELTA	delta-BHC
DEMETON	Demeton, -O and -S
DEMETONO	Demeton-O
DEMETONS	Demeton-S
DENSITY	Density
DIALLATE	Diallate (cis- or trans-)
DIAZ	Diazinon
DBAHACR	Dibenz(a,h)acridine
DBAJACR	Dibenz(a,j)acridine
DBZAEP	Dibenzo(a,e)pyrene
DBAHA	Dibenzo(a,h)anthracene
DBAHAD14	Dibenzo(a,h)anthracene-d14

CODE	DESCRIPTION
DBZAHP	Dibenzo(a,h)pyrene
DBZAIP	Dibenzo(a,i)pyrene
DBF	Dibenzofuran
DBT	Dibenzothiophene
DBCME	Dibromochloromethane
DBA	Dibromoethane
DBFM	Dibromofluoromethane
DBMA	Dibromomethane
DBUTYLC	Dibutylchlorendate
DBTSN	Dibutyltin
DICAMBA	Dicamba
DCLN	Dichlone
FC12	Dichlorodifluoromethane
FC21	Dichlorofluoromethane
DCMA	Dichloromethane
DICHLORVOS	Dichlorovos
DCPROP	Dichlorprop
DICOFOL	Dicofol
BIDRIN	Dicrotophos
DCPD	Dicyclopentadiene
DIELDRIN	Dieldrin
DIESEL2	Diesel Fuel #2
DRO	Diesel Range Organics
DROC10C25	Diesel Range Organics (C10-C25)
DROC10C28	Diesel Range Organics (C10-C28)
DROALIPHATIC	Diesel Range Organics, Aliphatic
DROAROMATIC	Diesel Range Organics, Aromatic
EE	Diethyl ether
DEPH	Diethyl phthalate
DEPHD4	Diethyl phthalate-D4
DESO4	Diethyl sulfate
ET2GLY	Diethylene glycol
DES	Diethylstilbestrol
DIHYDROSAF	Dihydrosafrole
DIOP	Diisooctyl phthalate
DIMP	Diisopropylmethylphosphonate
DIMETHAT	Dimethoate
DMC10N	Dimethyl decane
DMDS	Dimethyl disulfide
DMPH	Dimethyl phthalate
DMMP	Dimethylmethylphosphonate
DNBP	Di-n-butyl phthalate
DNOCP	Dinocap
DNOP	Di-n-octyl phthalate
DNOPD4	Di-n-octyl phthalate-d4
DINOSEB	Dinoseb

CODE	DESCRIPTION
DIOXATHION	Dioxathion
DPAMIDE	Diphenamide
DPA	Diphenylamine
DPD10	Diphenyl-d10
DISBLUE14	Disperse Blue 14
DISBLUE3	Disperse Blue 3
DISBRN1	Disperse Brown 1
DISORNG3	Disperse Orange 3
DISORNG30	Disperse Orange 30
DISRED1	Disperse Red 1
DISRED13	Disperse Red 13
DISRED5	Disperse Red 5
DISRED60	Disperse Red 60
DISYEL5	Disperse Yellow 5
DOC	Dissolved Organic Carbon
DS	Dissolved Sulfide
DISUL	Disulfoton
DITH	Dithiane
629-07-0	Docosane
112-85-6	Docosanoic acid
112-40-3	Dodecane
143-07-7	Dodecanoic acid
544-85-4	Dotriacontane
DUST	Dust
DY	Dysprosium
112-95-8	Eicosane
506-30-9	Eicosanoic acid
ENDOSULFANA	Endosulfan I
ENDOSULFANB	Endosulfan II
ENDOSULFANS	Endosulfan sulfate
ENDRIN	Endrin
ENDRINALD	Endrin aldehyde
ENDRINKET	Endrin ketone
ENTCOCCUS	Enterococcus
EPICLHDRN	Epichlorhydrin
EPN	EPN
EAH	Erythritol anhydride
ECOLI	Escherichia coli
C2H6	Ethane
ETHANOL	Ethanol
C2H4	Ethene
ETHION	Ethion
ETHOPROP	Ethoprop
ETACET	Ethyl acetate
ECARB	Ethyl carbamate
EMETHACRY	Ethyl methacrylate

CODE	DESCRIPTION
EMSULFN	Ethyl methanesulfonate
54120-62-6	Ethyl-1,2,4-trimethylbenzene
EBZ	Ethylbenzene
EBZD10	Ethylbenzene-D10
ETEGLY	Ethylene glycol
ETOX	Ethylene oxide
ETRID	Etridiazole
EU	Europium
EU-152	Europium-152
EU-154	Europium-154
EU-155	Europium-155
ESP	Exchangeable Sodium Percentage
PEXT	Extractable Phosphorus
KEXT	Extractable Potassium
NAEXT	Extractable Sodium
FAMPHUR	Famphur
FECCOLIFORM	Fecal Coliform, 0.7 Micron Filter
FECSTREP	Fecal Streptococcus
FENSTHION	Fensulfothion
FENTHION	Fenthion
FE3	Ferric Iron
FE2	Ferrous Iron
FIBGLASS	Fibrous Glass
FLASHPT	Flash Point
FLUCHLOR	Fluchloralin
FLA	Fluoranthene
FLAD10	Fluoranthene-d10
FL	Fluorene
FLD10	Fluorene-d10
FLBRIGHT236	Fluorescent Brightener 236
FLBRIGHT61	Fluorescent Brightener 61
F	Fluoride
FAA	Fluoroacetic acid
FBZ	Fluorobenzene
FREELIQUIDS	Free Liquids
BUNKERC	Fuel Oil No. 6 (BUNKER C)
GAMMA-GELI	Gamma Spectral Analysis, Ge(Li)
BHCGAMMA	gamma-BHC (Lindane)
CHLORDANEG	gamma-Chlordane
GASOLINE	Gasoline
GRO	Gasoline Range Organics
GROC6C10	Gasoline Range Organics (C6-C10)
GROALIPHATIC	Gasoline Range Organics, Aliphatic
GROAROMATIC	Gasoline Range Organics, Aromatic
AU	Gold
HF	Hafnium

CODE	DESCRIPTION
HALIDES	Halides
HALOWAX1000	Halowax 1000
HALOWAX1001	Halowax 1001
HALOWAX1013	Halowax 1013
HALOWAX1014	Halowax 1014
HALOWAX1051	Halowax 1051
HALOWAX1099	Halowax 1099
HARD	Hardness (as CaCO3)
HARDNC	Hardness (as CaCO3), Noncarbonate
HARDC	Hardness (as CO3), Carbonate
HOIL	Heavy Oil
629-94-7	Heneicosane
2363-71-5	Heneicosanoic acid
630-04-6	Hentriacontane
HEPTACHLOR	Heptachlor
HEPT-EPOX	Heptachlor epoxide
HEPT-EPOXA	Heptachlor epoxide A
593-49-7	Heptacosane
629-78-7	Heptadecane
506-12-7	Heptadecanoic acid
142-82-5	Heptane
HPC	Heterotrophic Plate Count
HXBRBZ	Hexabromobenzene
HCLBZ	Hexachlorobenzene
PCB0006	Hexachlorobiphenyls
HCBU	Hexachlorobutadiene
HXCLCYHX	Hexachlorocyclohexane
HCCP	Hexachlorocyclopentadiene
HCLEA	Hexachloroethane
HXCP	Hexachlorophene
HCPR	Hexachloropropene
630-01-3	Hexacosane
544-76-3	Hexadecane
PALMA	Hexadecanoic acid
111-06-8	Hexadecanoic acid, butyl ester
H2M2P	Hexafluoro-2-methyl-2-propanol
HFP2	Hexafluoro-2-propanol
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine
HMPA	Hexamethylphosphoramide
HXALD	Hexanal
HEXANE	Hexane
630-06-8	Hexatriacontane
HHV	High Heat Value
ODB	Hydrocarbon Degrading Bacteria
HFACID	Hydrofluoric acid
HYDROQUIN	Hydroquinone

CODE	DESCRIPTION
OH	Hydroxide
ALKH	Hydroxide Alkalinity as CACO3
IGNITB	Ignitability
INDENE	Indene
INP123	Indeno(1,2,3-cd)pyrene
I	Iodide (as I)
I-129	Iodine-129
IONBAL	Ion Balance
IR	Iridium
FE	Iron
ISOBUTANE	Isobutane
ISOBTOH	Isobutanol
ISODRIN	Isodrin
ISOP	Isophorone
ISOPROH	Isopropanol
ISOPRE	Isopropyl ether
IPBZ	Isopropylbenzene
IMPA	Isopropylmethyl phosphonic acid
ISOSAFR	Isosafrole
JETFUEL	Jet Fuel
JP4	Jet Fuel #4 (JP4)
JETA	Jet Fuel as Jet A
KEP	Kepone
KEROSENE	Kerosene
LAI	Langelier Index
LAI140	Langlier Index at 140 degrees F
LAI40	Langlier Index at 40 degrees F
LA	Lanthanum
PB	Lead
PB-210	Lead-210
PB-212	Lead-212
PB-214	Lead-214
LEPTO	Leptophos
LI	Lithium
LU	Lutetium
MEPH1314	m,p-Cresol
XYLMP	m,p-Xylene (Sum of Isomers)
MG	Magnesium
MGCAC03	Magnesium as CaCO3
MALA	Malathion
MALANH	Maleic anhydride
MALNTRL	Malononitrile
MN	Manganese
MCPA	MCPA
MCPP	MCPP
MEDIUM	Medium

CODE	DESCRIPTION
HG	Mercury
MERPHOS	Merphos
MSNL	Mestranol
METHACRN	Methacrylonitrile
CH4	Methane
MEOH	Methanol
MTPYRLN	Methapyrilene
METHIOCARB	Methiocarb
METHOMYL	Methomyl
MTXYCL	Methoxychlor
MACRYLATE	Methyl acrylate
MARACHIDATE	Methyl arachidate
CPENTANEME	Methyl cyclopentane
MEDS	Methyl disulfide
IME	Methyl iodide
MMSULFN	Methyl methanesulfonate
MPA	Methyl phosphonic dichloride
SUBMALKANE	Methyl substituted alkane
SUBMCHX	Methyl substituted cyclohexane
TETRYL	Methyl-2,4,6-trinitrophenylnitramine
MBAS	Methylene Blue Active Substances
MTLNCL	Methylene chloride
MMETHACRY	Methylmethacrylate
TBUTMEE	Methyl-t-butyl ether
METOCHLOR	Metolachlor
METRIBUZ	Metribuzin
MEVINPHOS	Mevinphos
MEXACARBATE	Mexacarbate
MINSPRT	Mineral Spirits
MIREX	Mirex
MO	Molybdenum
MONOCROPHOS	Monocrotophos
MOIL	Motor Oils
PHENM	m-Terphenyl
XYLM	m-Xylene
NALED	Naled
29949-27-7	n-Amylcyclohexane
NPHD	Naphtha distillate
NAPH	Naphthalene
TETRALIN	Naphthalene, 1,2,3,4-tetrahydro-
2131-42-2	Naphthalene, 1,4,6-trimethyl-
2245-38-7	Naphthalene, 1,6,7-trimethyl-
581-40-8	Naphthalene, 2,3-dimethyl-
582-16-1	Naphthalene, 2,7-dimethyl-
DHNAPH	Naphthalene, decahydro-
DHNAPHT	Naphthalene, decahydro-, trans-

CODE	DESCRIPTION
NAPHD8	Naphthalene-d8
2958-76-1	Napthalene, decahydro-2-methyl-
BTOH	n-Butanol
BTBZN	n-Butylbenzene
HEM	n-Hexane Extractable Material
NI	Nickel
NICOTINE	Nicotine
NB	Niobium
NO3	Nitrate
NO2BZ	Nitrobenzene
NO2BZD5	Nitrobenzene-d5
NITROFEN	Nitrofen
N	Nitrogen
NH3N	Nitrogen, Ammonia (as N)
KN	Nitrogen, Kjeldahl, Total
NO3N	Nitrogen, Nitrate (as N)
NO3NO2N	Nitrogen, Nitrate-Nitrite
NO2N	Nitrogen, Nitrite
NTG	Nitroglycerin
NNSE	n-Nitrosodiethylamine
NNSM	n-Nitrosodimethylamine
NNSBU	n-Nitroso-di-n-butylamine
NNSPR	n-Nitrosodi-n-propylamine
NNSPH	n-Nitrosodiphenylamine
NNSME	n-Nitrosomethylethylamine
NNSMRPH	n-Nitrosomorpholine
NNSPPRD	n-Nitrosopiperidine
NNSPYRL	n-Nitrosopyrrolidine
630-32-8	Nonacosane
629-92-5	Nonadecane
646-30-0	Nonadecanoic acid
NONANE	Nonane
26DIMENONANE	Nonane, 2,6-dimethyl-
591-04-6	Nonane, 4-methyl-
NMOC	Non-Methane Organic Compounds
PHCDUNK	Non-PHC as Diesel
PHCFOUNK	Non-PHC as Fuel Oils
PHCGUNK	Non-PHC as Gasoline
PHCHFOUNK	Non-PHC as Heavy Fuel Oils
PHCLUBUNK	Non-PHC as Lube Oil
PROH	n-Propanol
PROPYL	n-Propylamine
PBZN	n-Propylbenzene
C30N	n-Triacontane
TEPTH	o,o,o-Triethyl phosphorothioate
ANSD2	o-Anisidine

CODE	DESCRIPTION
CLBZALDO	o-Chlorobenzaldehyde
OCDF	Octachlorodibenzofuran
OCDFC13	Octachlorodibenzofuran-C13
OCDD	Octachlorodibenzo-p-dioxin
OCDDC13	Octachlorodibenzo-p-dioxin-C13
630-02-4	Octacosane
593-45-3	Octadecane
OCDNA	Octadecanoic acid
123-95-5	Octadecanoic acid, butyl ester
OFBZME	Octafluorotoluene
HMX	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
OMPA	Octamethyl pyprophosphoramide
OMCYTSX	Octamethylcyclotetrasiloxane
2216-33-3	Octane, 3-methyl-
ODOR	Odor
OILGREASE	Oil and Grease
OILM	Oil, Misc.
OC	Organic Carbon
PBO	Organic Lead
OS	Osmium
PHENO	o-Terphenyl
TLDNO	o-Toluidine
OXAMYL	Oxamyl
OXAT	Oxathiane
REDOX	Oxidation-Reduction Potential
OXYGEN	Oxygen
DO	Oxygen, Dissolved
XYLO	o-Xylene
PFTEST	Paint Filter Test
PL	Palladium
PARALD	Paraldehyde
PARAE	Parathion ethyl
PARAM	Parathion methyl
PBZQUINONE	p-Benzoquinone
PCB1016	PCB-1016 (Aroclor 1016)
PCB1221	PCB-1221 (Aroclor 1221)
PCB1232	PCB-1232 (Aroclor 1232)
PCB1242	PCB-1242 (Aroclor 1242)
PCB1242/1016	PCB-1242/1016 (Aroclor 1242/1016)
PCB1248	PCB-1248 (Aroclor 1248)
PCB1254	PCB-1254 (Aroclor 1254)
PCB1260	PCB-1260 (Aroclor 1260)
PCB1262	PCB-1262 (Aroclor 1262)
PCB1268	PCB-1268 (Aroclor 1268)
CPMS	p-Chloromethyl sulfide
CPMSO2	p-Chloromethyl sulfone

CODE	DESCRIPTION
CPMSO	p-Chloromethyl sulfoxide
PCNB	PCNB (Quintozene)
CRESP	p-Cresidine
PDMAABZ	p-Dimethylaminoazobenzene
PECLBZ	Pentachlorobenzene
PCLEA	Pentachloroethane
PECLNO2BZ	Pentachloronitrobenzene
PCP	Pentachlorophenol
629-99-2	Pentacosane
C25N	Pentacosane
629-62-9	Pentadecane
1719-03-5	Pentadecane, 2,6,10,14-tetramethyl-
1002-84-2	Pentadecanoic acid
PETN	Pentaerythritol tetranitrate
PFBZ	Pentafluorobenzene
PFP	Pentafluorophenol
107-83-5	Pentane, 2-methyl-
630-07-9	Pentatriacontane
MOIST	Percent Moisture
PCATE	Perchlorate
PERMETHRIN	Permethrin
PERTHANE	Perthane
PERY	Perylene
PERYD12	Perylene-d12
PHC	Petroleum Hydrocarbons (TPH)
PH	pH
PHCD	PHC as Diesel Fuel (TPHD)
PHCFO	PHC as Fuel Oils
PHCGC7C12	PHC as Gasoline (C7-C12)
PHCG	PHC as Gasoline (TPHG)
PHCHFO	PHC as Heavy Fuel Oils
PHCIO	PHC as Insulating Oil
PHCJP4	PHC as JP-4
PHCK	PHC as Kerosene
PHCLUB	PHC as Lube Oil
PHNACTN	Phenacetin
PHAN	Phenanthrene
3674-66-6	Phenanthrene, 2,5-dimethyl-
832-71-3	Phenanthrene, 3-methyl-
PHAND10	Phenanthrene-d10
PHENOBAL	Phenobarbital
PHENOL	Phenol
PHD5	Phenol-d5
PHENOLD6	Phenol-d6
TOTPHEN	Phenolics, Total recoverable
PHORATE	Phorate

CODE	DESCRIPTION
PHOSAL	Phosalone
PHOSMET	Phosmet
PHOSPHAM	Phosphamidon
PO4RS	Phosphorus, Reactive soluble
P	Phosphorus, Total (as P)
PORG	Phosphorus, Total Organic (as P)
PORTHO	Phosphorus, Total Orthophosphate (as P)
PO4	Phosphorus, Total Orthophosphate (as PO4)
PHTHL	Phthalates
PHANHY	Phthalic anhydride
PICLORAM	Picloram
SULFX	Piperonyl sulfoxide
PRIMICID	Pirimphos-ethyl
PT	Platinum
PU-238	Plutonium-238
PU239240	Plutonium-239/240
K	Potassium
K-40	Potassium-40
POURPT	Pour Point
PRONAMD	Pronamide
PROPACHLOR	Propachlor
C3H8	Propane
PACN	Propionitrile
PROPENE	Propylene
PROPGLY	Propylene glycol
PROPYCIL	Propylthiouracil
PA-231	Protactinium-231
PA-234	Protactinium-234
PHENP	p-Terphenyl
89-82-7	Pulegone
XYLP	p-Xylene
PYR	Pyrene
PYRD10	Pyrene-d10
PYRDN	Pyridine
QUINO	Quinoline
RA	Radium
RA-223	Radium-223
RA-224	Radium-224
RA-226	Radium-226
RA226228	Radium-226 and Radium-228
RA-228	Radium-228
RECN	Reactive Cyanide
SULFID-R	Reactive Sulfide
RRO	Residual Range Organics
RROC25C36	Residual Range Organics (C25-C36)
RROC28C40	Residual Range Organics (C28-C40)

CODE	DESCRIPTION
RROALIPHATIC	Residual Range Organics, Aliphatic
RROAROMATIC	Residual Range Organics, Aromatic
13BZDIOL	Resorcinol
RH	Rhodium
RONNEL	Ronnel
RB	Rubidium
RU	Ruthenium
SAFROLE	Safrole
SALINITY	Salinity
SALMONELLA	Salmonella
SM	Samarium
SCANDIUM	Scandium
BTBZS	sec-Butylbenzene
SE	Selenium
SETMAT	Settleable Matter
SIEVE10F	Sieve No. 10, Fractional Percent Retained
SIEVE10	Sieve No. 10, Percent Passing
SIEVE140F	Sieve No. 140, Fractional Percent Retained
SIEVE140	Sieve No. 140, Percent Passing
SIEVE20F	Sieve No. 20, Fractional Percent Retained
SIEVE20	Sieve No. 20, Percent Passing
SIEVE200F	Sieve No. 200, Fractional Percent Retained
SIEVE200	Sieve No. 200, Percent Passing
SIEVE230F	Sieve No. 230, Fractional Percent Retained
SIEVE230	Sieve No. 230, Percent Passing
SIEVE4F	Sieve No. 4, Fractional Percent Retained
SIEVE4	Sieve No. 4, Percent Passing
SIEVE40F	Sieve No. 40, Fractional Percent Retained
SIEVE40	Sieve No. 40, Percent Passing
SIEVE60F	Sieve No. 60, Fractional Percent Retained
SIEVE60	Sieve No. 60, Percent Passing
SIEVE10PHIF	Sieve, 10 Phi, Fractional Percent Retained
SIEVE10PHI	Sieve, 10 Phi, Percent Passing
SIEVE4PHIF	Sieve, 4 Phi, Fractional Percent Retained
SIEVE4PHI	Sieve, 4 Phi, Percent Passing
SIEVE5PHIF	Sieve, 5 Phi, Fractional Percent Retained
SIEVE5PHI	Sieve, 5 Phi, Percent Passing
SIEVE6PHIF	Sieve, 6 Phi, Fractional Percent Retained
SIEVE6PHI	Sieve, 6 Phi, Percent Passing
SIEVE7PHIF	Sieve, 7 Phi, Fractional Percent Retained
SIEVE7PHI	Sieve, 7 Phi, Percent Passing
SIEVE8PHIF	Sieve, 8 Phi, Fractional Percent Retained
SIEVE8PHI	Sieve, 8 Phi, Percent Passing
SIEVE9PHIF	Sieve, 9 Phi, Fractional Percent Retained
SIEVE9PHI	Sieve, 9 Phi, Percent Passing
SIL	Silica

CODE	DESCRIPTION
SGTHEM	Silica Gel Treated Hexane Extractable Material
SILICATE	Silicate
SI	Silicon
SILSI	Silicon, as Silica
AG	Silver
SIMAZINE	Simazine
SEM	Simultaneously Extracted Metals (Cd, Cu, Pb, Hg, Ni, and Zn)
NA	Sodium
SAR	Sodium Absorption Ratio
NACLO3	Sodium chlorate
SOLID	Solids, Percent
SOLIDVOA	Solids, Percent Volatile Components
SOLVRED23	Solvent Red 23
SOLVRED3	Solvent Red 3
SC	Specific Conductance
SG	Specific Gravity
111-01-3	Squalane
7683-64-9	Squalene
OTPH-D	State of Oregon Diesel Range Organics
OTPH-G	State of Oregon Gasoline Range Organics
WTPH-D	State of Washington, Diesel Range Organics
WTPH-G	State of Washington, Gasoline Range Organics
STROBANE	Strobane
SR	Strontium
SR-90	Strontium-90
STRYCHNINE	Strychnine
STY	Styrene
SUBACEAC	Substituted Acetic acid
SUBALKANE	Substituted Alkane
SUBALKENE	Substituted Alkene
SUBBZALD	Substituted Benzaldehyde
SUBBZAMIDE	Substituted Benzamide
SUBBZ	Substituted Benzene
SUBBEN1	Substituted Benzene #1
SUBBEN2	Substituted Benzene #2
SUBBEN3	Substituted Benzene #3
SUBBEN4	Substituted Benzene #4
SUBBEN5	Substituted Benzene #5
SUBBZPA	Substituted Benzenepropanoic acid
SUBBZSAMIDE	Substituted Benzenesulfonamide
SUBBZACID	Substituted Benzoic acid
SUBCHYD	Substituted Cyclic hydrocarbon
SUBCBT	Substituted Cyclobutane
SUBCHXN	Substituted Cyclohexane
SUBCPT	Substituted Cyclopentane
SUBCPTO	Substituted Cyclopentanone

CODE	DESCRIPTION
SUB2MOTENE	Substituted Dimethyl octene
SUBDIOXIN	Substituted Dioxin
SUBDIOXLANE	Substituted Dioxolane Compound
SUBDS	Substituted Disulfide
SUBETHANOL	Substituted Ethanol
SUBETHONE	Substituted Ethanone
SUBHEPTANONE	Substituted Heptanone
SUBHDIOIC	Substituted Hexanedioic acid
SUBINDENE	Substituted Indene
SUBIND1	Substituted Indene #1
SUBIND2	Substituted Indene #2
SUBIND3	Substituted Indene #3
SUBIND4	Substituted Indene #4
SUBIND5	Substituted Indene #5
SUBINDENONE	Substituted Indenone
SUBNAPH	Substituted Naphthalene
SUBOCTENE	Substituted Octene
SUBOXIRANE	Substituted Oxirane
SUBPAH	Substituted PAH
SUBPLENE	Substituted Pentalene
SUBPENTENE	Substituted Pentene
SUBPHAN	Substituted Phenanthrene
SUBPHENOL	Substituted Phenol
SUBH3PO4	Substituted Phosphonic acid
SUB2MEPA3	Substituted Propanoic acid
SUBPROPANOL	Substituted Propanol
SUBPYR	Substituted Pyrene
SULFAL	Sulfallate
SO4	Sulfate
SRB	Sulfate Reducing Bacteria
S	Sulfide
H2S	Sulfide (as H2S)
SO3	Sulfite
SULFOTEP	Sulfotep
SU	Sulfur
SURFACT	Surfactants
SS	Suspended Solids
SYNTHETIC	Synthetic
TAL	Tannin and Lignin
TA	Tantalum
BTALT	t-Butyl alcohol
TEMP	Temperature
TB	Terbium
TERBUFOS	Terbufos
PHEND14	Terphenyl-d14
TAME	tert-Amyl methyl ether

CODE	DESCRIPTION
ETBE	tert-Butyl ethyl ether
BTBZT	tert-Butylbenzene
TEBTSN	Tetrabutyltin
PCE	Tetrachloroethene
TECMXYL	Tetrachlorometaxylene
TECLPHS	Tetrachlorophenols
STIROFOS	Tetrachlorvinphos (Stirophos)
646-31-1	Tetracosane
557-59-5	Tetracosanoic acid
629-59-4	Tetradecane
544-63-8	Tetradecanoic acid
PBTE	Tetraethyl lead
PBTED20	Tetraethyl lead-d20
TEPP	Tetraethyl pyrophosphate
TEGLY	Tetraethylene glycol
THF	Tetrahydrofuran
THNAPH	Tetrahydronaphthol
TMGLY	Tetramethylene glycol
TTCT	Tetratetracontane
14167-59-0	Tetratriacontane
TL	Thallium
TDGCL	Thiodiglycol
THIOFANOX	Thiofanox
ZINOPHOS	Thionazine
BZS	Thiophenol (Benzenethiol)
TH	Thorium
TIME	Time
SN	Tin
TI	Titanium
TOKUTHION	Tokuthion (Prothiofos)
BZME	Toluene
TDI	Toluene diisocyanate
BZMED8	Toluene-d8
TOTBACTERIA	Total Bacteria
BATOT	Total Barium
TOTCHLRN	Total Chlorine
TDS	Total Dissolved Solids
TFS	Total Fixed Solids
TX	Total Halides
TOTX	Total Halogens
HPCDF	Total Heptachlorodibenzofurans (HpCDF)
HPCDD	Total Heptachlorodibenzo-p-dioxins (HpCDD)
HXCDF	Total Hexachlorodibenzofurans (HxCDF)
HXCDD	Total Hexachlorodibenzo-p-dioxins (HxCDD)
TLIPID	Total Lipids
TOC	Total Organic Carbon (TOC)

CODE	DESCRIPTION
TOX	Total Organic Halides (TOX)
PECBPH	Total Pentachlorinatedbiphenyls
PECDF	Total Pentachlorodibenzofurans (PeCDF)
PECDD	Total Pentachlorodibenzo-p-dioxin (PeCDD)
TOTPCB	Total Polychlorinatedbiphenyls
TSO	Total Solids
SRTOT	Total Strontium
TCDF	Total Tetrachlorodibenzofurans (TCDF)
TCDD	Total Tetrachlorodibenzo-p-dioxins (TCDD)
THM	Total Trihalomethanes
TVO	Total Volatile Organics
TVS	Total Volatile Solids
TOXAP	Toxaphene
DCE12T	trans-1,2-Dichloroethene
DCP13T	trans-1,3-Dichloropropene
DCBE14T	trans-1,4-Dichloro-2-butene
NCT	trans-Nonachlor
TBP	Tributyl phosphate
TBTSN	Tributyltin
TRICHLORFON	Trichlorfon
TCE	Trichloroethene
FC11	Trichlorofluoromethane
CL3NATE	Trichloronate
TRICLPHS	Trichlorophenols
TCPR	Trichloropropane
638-68-6	Tricontane
638-67-5	Tricosane
629-50-5	Tridecane
7METDECANE	Tridecane, 7-methyl-
638-53-9	Tridecanoic acid
TEP	Triethyl phosphate
ET3GLY	Triethylene glycol
TFBZME	Trifluorotoluene
TRIFLURALIN	Trifluralin
TMCYHX	Trimethyl cyclohexane
TMEHX	Trimethyl hexane
TMEP	Trimethyl phosphate
TPTSN	Tripentyltin
TPHP	Triphenyl phosphate
TPH	Triphenylene
TPROPSN	Tripropyltin
TT4P	Tri-p-tolyl phosphate
T23P	Tris(2,3-dibromopropyl)phosphate
H-3	Tritium (Hydrogen 3)
630-05-7	Tritriacontane
W	Tungsten

CODE	DESCRIPTION
TURB	Turbidity
1120-21-4	Undecane
17301-27-8	Undecane, 1,10-dimethyl-
17312-81-1	Undecane, 3,5-dimethyl-
112-37-8	Undecanoic acid
OTHERS	Unidentified Light- and/or Medium-Weight Fuels
UNK	Unknown
UNK1	Unknown #1
UNK10	Unknown #10
UNK11	Unknown #11
UNK12	Unknown #12
UNK13	Unknown #13
UNK14	Unknown #14
UNK15	Unknown #15
UNK16	Unknown #16
UNK17	Unknown #17
UNK18	Unknown #18
UNK19	Unknown #19
UNK2	Unknown #2
UNK20	Unknown #20
UNK3	Unknown #3
UNK4	Unknown #4
UNK5	Unknown #5
UNK6	Unknown #6
UNK7	Unknown #7
UNK8	Unknown #8
UNK9	Unknown #9
UNKALCOHOL	Unknown Alcohol
UNKALC1	Unknown Alcohol #1
UNKALC2	Unknown Alcohol #2
UNKALC3	Unknown Alcohol #3
UNKALC4	Unknown Alcohol #4
UNKALC5	Unknown Alcohol #5
UNKALDEHYDE	Unknown Aldehyde
UNKALD1	Unknown Aldehyde #1
UNALD10	Unknown Aldehyde #10
UNKALD2	Unknown Aldehyde #2
UNKALD3	Unknown Aldehyde #3
UNKALD4	Unknown Aldehyde #4
UNKALD5	Unknown Aldehyde #5
UNKALD6	Unknown Aldehyde #6
UNKALD7	Unknown Aldehyde #7
UNALD8	Unknown Aldehyde #8
UNALD9	Unknown Aldehyde #9
UNKALIPHY	Unknown Aliphatic hydrocarbon
UNKALH1	Unknown Aliphatic hydrocarbon #1

CODE	DESCRIPTION
UNKALH2	Unknown Aliphatic hydrocarbon #2
UNKALH3	Unknown Aliphatic hydrocarbon #3
UNKALH4	Unknown Aliphatic hydrocarbon #4
UNKALH5	Unknown Aliphatic hydrocarbon #5
UNKALKANE	Unknown Alkane
UNKALKANE1	Unknown Alkane #1
UNKALKANE10	Unknown Alkane #10
UNKALKANE11	Unknown Alkane #11
UNKALKANE12	Unknown Alkane #12
UNKALKANE13	Unknown Alkane #13
UNKALKANE14	Unknown Alkane #14
UNKALKANE15	Unknown Alkane #15
UNKALKANE16	Unknown Alkane #16
UNKALKANE17	Unknown Alkane #17
UNKALKANE18	Unknown Alkane #18
UNKALKANE19	Unknown Alkane #19
UNKALKANE2	Unknown Alkane #2
UNKALKANE20	Unknown Alkane #20
UNKALKANE3	Unknown Alkane #3
UNKALKANE4	Unknown Alkane #4
UNKALKANE5	Unknown Alkane #5
UNKALKANE6	Unknown Alkane #6
UNKALKANE7	Unknown Alkane #7
UNKALKANE8	Unknown Alkane #8
UNKALKANE9	Unknown Alkane #9
UNKALKON1	Unknown Alkanone #1
UNKALKENE	Unknown Alkene
UNKALK1	Unknown Alkene #1
UNKALK10	Unknown Alkene #10
UNKALK2	Unknown Alkene #2
UNKALK3	Unknown Alkene #3
UNKALK4	Unknown Alkene #4
UNKALK5	Unknown Alkene #5
UNKALK6	Unknown Alkene #6
UNKALK7	Unknown Alkene #7
UNKALK8	Unknown Alkene #8
UNKALK9	Unknown Alkene #9
UNKALKBZ	Unknown Alkyl benzene
UNKALKBZ1	Unknown Alkyl benzene #1
UNKALKBZ10	Unknown Alkyl benzene #10
UNKALKBZ11	Unknown Alkyl benzene #11
UNKALKBZ12	Unknown Alkyl benzene #12
UNKALKBZ13	Unknown Alkyl benzene #13
UNKALKBZ14	Unknown Alkyl benzene #14
UNKALKBZ15	Unknown Alkyl benzene #15
UNKALKBZ16	Unknown Alkyl benzene #16

CODE	DESCRIPTION
UNKALKBZ2	Unknown Alkyl benzene #2
UNKALKBZ3	Unknown Alkyl benzene #3
UNKALKBZ4	Unknown Alkyl benzene #4
UNKALKBZ5	Unknown Alkyl benzene #5
UNKALKBZ6	Unknown Alkyl benzene #6
UNKALKBZ7	Unknown Alkyl benzene #7
UNKALKBZ8	Unknown Alkyl benzene #8
UNKALKBZ9	Unknown Alkyl benzene #9
UNKALKSUBBZ	Unknown Alkyl substituted benzene
UNKALKYNE	Unknown Alkyne
UNKAMIDE	Unknown Amide
UNKAMINE	Unknown Amine
UNKARO	Unknown Aromatic
UNKAH	Unknown Aromatic hydrocarbon
UNKARH1	Unknown Aromatic hydrocarbon #1
UNKARH2	Unknown Aromatic hydrocarbon #2
UNKARH3	Unknown Aromatic hydrocarbon #3
UNKARH4	Unknown Aromatic hydrocarbon #4
UNKARH5	Unknown Aromatic hydrocarbon #5
UNKAROKET	Unknown Aromatic ketone
UNKBZALD	Unknown Benzaldehyde
UNKBICYCLIC	Unknown Bicyclic
UNKBALK	Unknown Branched alkane
UNKBALK1	Unknown Branched alkane #1
UNKBALK2	Unknown Branched alkane #2
UNKBALK3	Unknown Branched alkane #3
UNKBALK4	Unknown Branched alkane #4
UNKBALK5	Unknown Branched alkane #5
UNKBALKANOL	Unknown Branched alkanol
UNKBALKENE	Unknown Branched alkene
UNKALKENOL	Unknown Branched alkenol
UNKBCARBA	Unknown Branched carboxylic acid
UNKBCYALK	Unknown Branched cycloalkane
UNKBKETONE	Unknown Branched ketone
UNKBNAPH	Unknown Branched naphthalene
UNKBPAH	Unknown Branched PAH
UNKBRTRIENOL	Unknown Branched trienol
UNKCARA1	Unknown Carboxcylic acid #1
UNKCARA2	Unknown Carboxcylic acid #2
UNKCARA3	Unknown Carboxcylic acid #3
UNKCARA4	Unknown Carboxcylic acid #4
UNKCARA5	Unknown Carboxcylic acid #5
UNKCARBOXA	Unknown Carboxylic acid
UNKCARBAEST	Unknown Carboxylic acid ester
UNKCPYRDN	Unknown Chlorinated pyridine
UNKCALKANE	Unknown Cyclic alkane

CODE	DESCRIPTION
UNKCYAL1	Unknown Cyclic alkane #1
UNKCYAL10	Unknown Cyclic alkane #10
UNKCYAL2	Unknown Cyclic alkane #2
UNKCYAL3	Unknown Cyclic alkane #3
UNKCYAL4	Unknown Cyclic alkane #4
UNKCYAL5	Unknown Cyclic alkane #5
UNKCYAL6	Unknown Cyclic alkane #6
UNKCYAL7	Unknown Cyclic alkane #7
UNKCYAL8	Unknown Cyclic alkane #8
UNKCYAL9	Unknown Cyclic alkane #9
UNKCHYD	Unknown Cyclic hydrocarbon
UNKCYH1	Unknown Cyclic hydrocarbon #1
UNKCYH2	Unknown Cyclic hydrocarbon #2
UNKCYH3	Unknown Cyclic hydrocarbon #3
UNKCYH4	Unknown Cyclic hydrocarbon #4
UNKCYH5	Unknown Cyclic hydrocarbon #5
UNKCKETONE	Unknown Cyclic ketone
UNKCYHEX	Unknown Cyclohexane
UNKCYHEX1	Unknown Cyclohexane #1
UNKCYHEX2	Unknown Cyclohexane #2
UNKCYKET1	Unknown Cycloketone #1
UNKCYKET2	Unknown Cycloketone #2
UNKCYKET3	Unknown Cycloketone #3
UNKCYKET4	Unknown Cycloketone #4
UNKCYKET5	Unknown Cycloketone #5
UNKESTER	Unknown Ester
UNKESTER1	Unknown Ester #1
UNKESTER2	Unknown Ester #2
UNKESTER3	Unknown Ester #3
UNKESTER4	Unknown Ester #4
UNKESTER5	Unknown Ester #5
UNKFATACID	Unknown Fatty acid
UNKHOPANE	Unknown Hopane
UNKHOPANE1	Unknown Hopane #1
UNKHOPANE2	Unknown Hopane #2
UNKHOPANE3	Unknown Hopane #3
UNKHYD	Unknown Hydrocarbon
UNKHYD1	Unknown Hydrocarbon #1
UNKHYD10	Unknown Hydrocarbon #10
UNKHYD2	Unknown Hydrocarbon #2
UNKHYD3	Unknown Hydrocarbon #3
UNKHYD4	Unknown Hydrocarbon #4
UNKHYD5	Unknown Hydrocarbon #5
UNKHYD6	Unknown Hydrocarbon #6
UNKHYD7	Unknown Hydrocarbon #7
UNKHYD8	Unknown Hydrocarbon #8

CODE	DESCRIPTION
UNKHYD9	Unknown Hydrocarbon #9
UNKINDOLE	Unknown Indole
UNKKETONE	Unknown Ketone
UNKKET1	Unknown Ketone #1
UNKKET2	Unknown Ketone #2
UNKKET3	Unknown Ketone #3
UNKKET4	Unknown Ketone #4
UNKKET5	Unknown Ketone #5
UNKMS1	Unknown Methylated siloxane #1
UNKMS2	Unknown Methylated siloxane #2
UNKMS3	Unknown Methylated siloxane #3
UNKOXYCOM	Unknown Oxygenated compound
UNKOXYCOM1	Unknown Oxygenated compound #1
UNKOXYCOM2	Unknown Oxygenated compound #2
UNKOXYCOM3	Unknown Oxygenated compound #3
UNKOXYCOM4	Unknown Oxygenated compound #4
UNKPHLATE	Unknown Phthalate
UNKPHT1	Unknown Phthalate #1
UNKPHT2	Unknown Phthalate #2
UNKPHT3	Unknown Phthalate #3
UNKPHT4	Unknown Phthalate #4
UNKPHT5	Unknown Phthalate #5
UNKPCB	Unknown Polychloronated biphenyl
UNKPCB1	Unknown Polychloronated biphenyl #1
UNKPCB10	Unknown Polychloronated biphenyl #10
UNKPCB11	Unknown Polychloronated biphenyl #11
UNKPCB12	Unknown Polychloronated biphenyl #12
UNKPCB13	Unknown Polychloronated biphenyl #13
UNKPCB2	Unknown Polychloronated biphenyl #2
UNKPCB3	Unknown Polychloronated biphenyl #3
UNKPCB4	Unknown Polychloronated biphenyl #4
UNKPCB5	Unknown Polychloronated biphenyl #5
UNKPCB6	Unknown Polychloronated biphenyl #6
UNKPCB7	Unknown Polychloronated biphenyl #7
UNKPCB8	Unknown Polychloronated biphenyl #8
UNKPCB9	Unknown Polychloronated biphenyl #9
UNKPAH	Unknown Polynuclear aromatic hydrocarbon
UNKPAH1	Unknown Polynuclear aromatic hydrocarbon #1
UNKPAH2	Unknown Polynuclear aromatic hydrocarbon #2
UNKPAH3	Unknown Polynuclear aromatic hydrocarbon #3
UNKPAH4	Unknown Polynuclear aromatic hydrocarbon #4
UNKPAH5	Unknown Polynuclear aromatic hydrocarbon #5
UNKSILOXANE	Unknown Siloxane
UNKSTERANE	Unknown Sterane
UNKSTERANE1	Unknown Sterane #1
UNKSTERANE2	Unknown Sterane #2

CODE	DESCRIPTION
UNKSTERANE3	Unknown Sterane #3
UNKSTERANE4	Unknown Sterane #4
UNKSTEROL	Unknown Sterol
UNKSTE1	Unknown Sterol #1
UNKSTE2	Unknown Sterol #2
UNKSTE3	Unknown Sterol #3
UNKSTE4	Unknown Sterol #4
UNKSTE5	Unknown Sterol #5
UNKSUBALCOH	Unknown Substituted alcohol
UNKSUBALK1	Unknown Substituted alkane #1
UNKSUBALK2	Unknown Substituted alkane #2
UNKSUBALK3	Unknown Substituted alkane #3
UNKSUBALK4	Unknown Substituted alkane #4
UNKSUBALK5	Unknown Substituted alkane #5
UNKSUBARO1	Unknown Substituted aromatic #1
UNKSUBARO2	Unknown Substituted aromatic #2
UNKSUBARO3	Unknown Substituted aromatic #3
UNKSUBARO4	Unknown Substituted aromatic #4
UNKSUBARO5	Unknown Substituted aromatic #5
UNKSUBBZ1	Unknown Substituted benzene #1
UNKSUBBZ2	Unknown Substituted benzene #2
UNKSUBBZ3	Unknown Substituted benzene #3
UNKSUBBZ4	Unknown Substituted benzene #4
UNKSUBBZ5	Unknown Substituted benzene #5
UNKSUBCYALK	Unknown Substituted cycloalkane
UNKSUBINDENE	Unknown Substituted indene
UNKSUBIND1	Unknown Substituted indene #1
UNKSUBIND2	Unknown Substituted indene #2
UNKSUBIND3	Unknown Substituted indene #3
UNKSUBPAH	Unknown Substituted PAH
UNKSUBPAH1	Unknown Substituted PAH #1
UNKSUBPAH2	Unknown Substituted PAH #2
UNKSUBPHENOL	Unknown Substituted phenol
UNKSULPHUR	Unknown Sulphur
UNKTHIAZOLE	Unknown Thiazole
U	Uranium
UTOT	Uranium, Total
U-234	Uranium-234
U-235	Uranium-235
U-238	Uranium-238
V	Vanadium
VA	Vinyl acetate
VC	Vinyl chloride
VISCOS	Viscosity
WATER	Water Content
WICHLRN	Water Insoluble Chlorine

CODE	DESCRIPTION
WSCL	Water Soluble Chlorides
WOLLASTONITE	Wollastonite
XYLENES1314	Xylene, Isomers m & p
XYLENES1214	Xylene, Isomers o & p
XYLENES	Xylenes
YB	Ytterbium
Y	Yttrium
ZN	Zinc
ZR	Zirconium

PARUN

Definition: The Parameter Uncertainty is the analytical uncertainty associated with a laboratory result.

Attributes: N12

Included in Tables: RESULTS

Guidelines & Restrictions:

- *PARUN* should be left blank for non-radiochemical results.
- *PARUN* is to be used only for radiochemical results.
- *PARUN* must be greater than or equal to zero.

PARVAL

Definition: The Parameter Value is the actual analytical value for a compound or analyte; the result generated after a sample has been analyzed or a test has been performed.

Attributes: N14

Included in Tables: RESULTS

Guidelines & Restrictions:

- *PARVAL* cannot be left blank.
- *PARVAL* may contain a negative number.
- For results detected below *LABDL*, enter zero into *PARVAL* and "ND" into *PARVQ*.
- For results not calculated due to multiple runs, enter zero into *PARVAL* and "ND" into *PARVQ*.

PARVQ

Definition: The *PARVQ* field indicates the Qualifier of an analytical result, or identifies a special type of parameter, such as a surrogate.

Attributes: C2

Included in Tables: RESULTS

Guidelines & Restrictions:

- *PARVQ* cannot be left blank.
- *PARVQ* must contain a valid value.
- The *PARVQ* field may be used in several ways. The field is most commonly used to qualify results. Standard analytical results will be qualified with "=" or "ND" ("Not Detected"). The *PARVQ* field may also be used to identify a special type of parameter such as a tentatively identified compound ("TI"), surrogates ("SU"), or internal standards ("IN"). And lastly, the *PARVQ* field may be used to indicate that data is not usable for a given parameter, such as "NR" ("Not Reported").

Acceptable *PARVQ* Values:

CODE	DESCRIPTION
<	Less Than
=	Equal To
>	Greater Than
DU	Data Unavailable
IN	Internal Standard
NA	Not Available - Result Not Available
ND	Not Detected
NR	Not Reported - Data Not Reported
SU	Surrogate
TI	Tentatively Identified Compound

PRESCODE

Definition: The *PRESCODE* represents the type of Preservative added to a sample upon collection in the field (e.g., pH adjusted to < 2 with hydrochloric acid).

Attributes: C15

Included in Tables: TEST

Guidelines & Restrictions:

- *PRESCODE* may be left blank.
- *PRESCODE* must contain a valid value if populated.
- Multiple *PRESCODE*s may be used; commas without spaces separate the codes (e.g., "P08,P12").

Acceptable *PRESCODE* Values:

CODE	DESCRIPTION
DU	Data Unavailable
NONE	No preservation
P01	4 drops of 10% sodium thiosulfate to 4 oz.
P02	Adjust to pH 4-5
P03	Add 3 mL 10% sodium thiosulfate per 1 gal.
P04	Adjust to pH < 2 with sulfuric acid
P05	Adjust to pH < 2 with hydrochloric acid
P06	Adjust to pH < 2 with sodium hydrogen sulfate
P07	Adjust to pH > 12 with sodium hydroxide
P08	Adjust to pH < 2 with nitric acid
P09	0.6 g of ascorbic acid to 500 mLs
P10	Add 2 mL of zinc acetate to 500 mLs
P11	Adjust to pH > 9 with sodium hydroxide
P12	4 degrees Celsius
P13	Methanol preservation
P14	Not noted on Chain-of-Custody
P15	Cooler temperature > 6 degrees C
P16	Cooler temperature < 2 degrees C or freezing
P17	Add 5mL 20% sodium bisulfate

PROJNAME

Definition: The Project Name is the name assigned to the project by the client, and can usually be found on the chain-of-custody.

Attributes: C25

Included in Tables: SAMPLE

Guidelines & Restrictions:

- *PROJNAME* cannot be left blank when *QCCODE* = "CS," and must be blank in all other cases.

PVCCODE

Definition: The *PVCCODE* distinguishes between primary and confirmatory results.

Attributes: C2

Included in Tables: RESULTS

Guidelines & Restrictions:

- *PVCCODE* cannot be left blank.
- *PVCCODE* must contain a valid value.
- There may be only one result with *PVCCODE* = "PR" per *LABSAMPID*, *ANMCODE*, *EXMCODE*, and *PARLABEL*, and there must be a "PR" result reported.
- *PVCCODE*s are used to report supporting gas chromatography (GC) confirmation information (used to verify compound identification). The confirmation results are entered using the first column ("1C"), second column ("2C"), and Gas Chromatography/Mass Spectroscopy ("MS") *PVCCODE*s. For example, if the sample is confirmed using the first column, "1C" is entered into the *PVCCODE* field of the confirmation result. The primary result (*PVCCODE* = "PR") will be assigned to the column result in which the laboratory places the most confidence. (The primary result will generally be assigned to the first column results.)
- If a dilution is required for a sample, both analytical determinations must be provided with the appropriate dilution factors and adjusted reporting limits. However, the laboratory must select which value they wish to report as the primary result ("PR"). The value that is not chosen to report should have the *PVCCODE*, "SR" ("Semi-Qualitative Result").

Acceptable *PVCCODE* Values:

CODE	DESCRIPTION
1C	First Column Result - The Value Obtained from the First Column
2C	Second Column Result - The Value Obtained from the Second Column
DU	Data Unavailable
MS	GC/MS Result - Value Confirmed Using GC/MS
NR	Not Reported - Data Not Reported
NU	Not Usable - Data Not Usable
PR	Primary Result - The Primary Result for a Parameter
SR	Semi-Quantitative Result

QCCODE

Definition: The *QCCODE* represents the Quality Control Sample Type.

Attributes: C3

Included in Tables: TEST
RESULTS
QC

Guidelines & Restrictions:

- *QCCODE* cannot be left blank.
- *QCCODE* must contain a valid value.
- Standard field samples are assigned a *QCCODE* of "CS."
- Tests performed on spiked field samples are assigned *QCCODE*s of "MS" or "SD."
- Tests performed on replicates of a field sample are assigned codes of "LR."
- All other available *QCCODE*s are assigned to laboratory-generated QC samples, with the exception of the "NC" code that identifies "Non-Client Samples" that have been included in the database to provide QC information.

Acceptable *QCCODE* Values:

CODE	DESCRIPTION
BD1	Blank Spike Duplicate #1
BD2	Blank Spike Duplicate #2
BD3	Blank Spike Duplicate #3
BD4	Blank Spike Duplicate #4
BD5	Blank Spike Duplicate #5
BD6	Blank Spike Duplicate #6
BD7	Blank Spike Duplicate #7
BD8	Blank Spike Duplicate #8
BD9	Blank Spike Duplicate #9
BDA	Blank Spike Duplicate #10
BDB	Blank Spike Duplicate #11
BDC	Blank Spike Duplicate #12
BDD	Blank Spike Duplicate #13
BDE	Blank Spike Duplicate #14
BDF	Blank Spike Duplicate #15
BDG	Blank Spike Duplicate #16
BDH	Blank Spike Duplicate #17

CODE	DESCRIPTION
BDI	Blank Spike Duplicate #18
BDJ	Blank Spike Duplicate #19
BDK	Blank Spike Duplicate #20
BDL	Blank Spike Duplicate #21
BDM	Blank Spike Duplicate #22
BDN	Blank Spike Duplicate #23
BDO	Blank Spike Duplicate #24
BDP	Blank Spike Duplicate #25
BDQ	Blank Spike Duplicate #26
BDR	Blank Spike Duplicate #27
BDS	Blank Spike Duplicate #28
BDT	Blank Spike Duplicate #29
BDU	Blank Spike Duplicate #30
BDV	Blank Spike Duplicate #31
BDW	Blank Spike Duplicate #32
BDX	Blank Spike Duplicate #33
BDY	Blank Spike Duplicate #34
BDZ	Blank Spike Duplicate #35
BS1	Blank Spike #1
BS2	Blank Spike #2
BS3	Blank Spike #3
BS4	Blank Spike #4
BS5	Blank Spike #5
BS6	Blank Spike #6
BS7	Blank Spike #7
BS8	Blank Spike #8
BS9	Blank Spike #9
BSA	Blank Spike #10
BSB	Blank Spike #11
BSC	Blank Spike #12
BSD	Blank Spike #13
BSE	Blank Spike #14
BSG	Blank Spike #16
BSH	Blank Spike #17
BSI	Blank Spike #18
BSJ	Blank Spike #19
BSK	Blank Spike #20
BSL	Blank Spike #21
BSM	Blank Spike #22
BSN	Blank Spike #23
BSO	Blank Spike #24
BSP	Blank Spike #25
BSQ	Blank Spike #26
BSR	Blank Spike #27
BSS	Blank Spike #28
BST	Blank Spike #29

CODE	DESCRIPTION
BSU	Blank Spike #30
BSV	Blank Spike #31
BSW	Blank Spike #32
BSX	Blank Spike #33
BSY	Blank Spike #34
BSZ	Blank Spike #35
CB1	Calibration Blank #1
CB2	Calibration Blank #2
CB3	Calibration Blank #3
CB4	Calibration Blank #4
CB5	Calibration Blank #5
CB6	Calibration Blank #6
CB7	Calibration Blank #7
CB8	Calibration Blank #8
CB9	Calibration Blank #9
CBA	Calibration Blank #10
CBB	Calibration Blank #11
CBC	Calibration Blank #12
CBD	Calibration Blank #13
CBE	Calibration Blank #14
CBF	Calibration Blank #15
CC	Continuing Calibration Verification
CC1	Continuing Calibration Verification #1
CC2	Continuing Calibration Verification #2
CC3	Continuing Calibration Verification #3
CC4	Continuing Calibration Verification #4
CC5	Continuing Calibration Verification #5
CC6	Continuing Calibration Verification #6
CC7	Continuing Calibration Verification #7
CC8	Continuing Calibration Verification #8
CC9	Continuing Calibration Verification #9
CCA	Continuing Calibration Verification #10
CCB	Continuing Calibration Verification #11
CCC	Continuing Calibration Verification #12
CCD	Continuing Calibration Verification #13
CCE	Continuing Calibration Verification #14
CCF	Continuing Calibration Verification #15
CCG	Continuing Calibration Verification #16
CCH	Continuing Calibration Verification #17
CCI	Continuing Calibration Verification #18
CCJ	Continuing Calibration Verification #19
CCK	Continuing Calibration Verification #20
CS	Client Sample
DU	Data Unavailable
IC	Initial Calibration Verification
IC1	Initial Calibration Verification #1

CODE	DESCRIPTION
IC2	Initial Calibration Verification #2
IC3	Initial Calibration Verification #3
IC4	Initial Calibration Verification #4
IC5	Initial Calibration Verification #5
IC6	Initial Calibration Verification #6
IC7	Initial Calibration Verification #7
IC8	Initial Calibration Verification #8
IC9	Initial Calibration Verification #9
KD1	Known (External Reference Material) Duplicate #1
KD2	Known (External Reference Material) Duplicate #2
KD3	Known (External Reference Material) Duplicate #3
KD4	Known (External Reference Material) Duplicate #4
KD5	Known (External Reference Material) Duplicate #5
KD6	Known (External Reference Material) Duplicate #6
KD7	Known (External Reference Material) Duplicate #7
KD8	Known (External Reference Material) Duplicate #8
KD9	Known (External Reference Material) Duplicate #9
LB1	Lab Blank #1
LB2	Lab Blank #2
LB3	Lab Blank #3
LB4	Lab Blank #4
LB5	Lab Blank #5
LB6	Lab Blank #6
LB7	Lab Blank #7
LB8	Lab Blank #8
LB9	Lab Blank #9
LBA	Lab Blank #10
LBB	Lab Blank #11
LBC	Lab Blank #12
LBD	Lab Blank #13
LBE	Lab Blank #14
LBF	Lab Blank #15
LBG	Lab Blank #16
LBH	Lab Blank #17
LBI	Lab Blank #18
LBJ	Lab Blank #19
LBK	Lab Blank #20
LBL	Lab Blank #21
LBM	Lab Blank #22
LBN	Lab Blank #23
LBO	Lab Blank #24
LBP	Lab Blank #25
LBQ	Lab Blank #26
LBR	Lab Blank #27
LBS	Lab Blank #28
LBT	Lab Blank #29

CODE	DESCRIPTION
LBU	Lab Blank #30
LBV	Lab Blank #31
LBW	Lab Blank #32
LBX	Lab Blank #33
LBY	Lab Blank #34
LBZ	Lab Blank #35
LR1	Lab Replicate #1
LR2	Lab Replicate #2
LR3	Lab Replicate #3
LR4	Lab Replicate #4
LR5	Lab Replicate #5
LR6	Lab Replicate #6
LR7	Lab Replicate #7
LR8	Lab Replicate #8
LR9	Lab Replicate #9
LRA	Lab Replicate #10
LRB	Lab Replicate #11
LRC	Lab Replicate #12
LRD	Lab Replicate #13
LRE	Lab Replicate #14
MS1	Lab Matrix Spike #1
MS2	Lab Matrix Spike #2
MS3	Lab Matrix Spike #3
MS4	Lab Matrix Spike #4
MS5	Lab Matrix Spike #5
MS6	Lab Matrix Spike #6
MS7	Lab Matrix Spike #7
MS8	Lab Matrix Spike #8
MS9	Lab Matrix Spike #9
MSA	Lab Matrix Spike #10
MSB	Lab Matrix Spike #11
MSC	Lab Matrix Spike #12
MSD	Lab Matrix Spike #13
MSE	Lab Matrix Spike #14
NC	Non-Client Sample
RM1	Known (External Reference Material) #1
RM2	Known (External Reference Material) #2
RM3	Known (External Reference Material) #3
RM4	Known (External Reference Material) #4
RM5	Known (External Reference Material) #5
RM6	Known (External Reference Material) #6
RM7	Known (External Reference Material) #7
RM8	Known (External Reference Material) #8
RM9	Known (External Reference Material) #9
RS1	Reagent Solvent #1
RS2	Reagent Solvent #2

CODE	DESCRIPTION
RS3	Reagent Solvent #3
SD1	Lab Matrix Spike Duplicate #1
SD2	Lab Matrix Spike Duplicate #2
SD3	Lab Matrix Spike Duplicate #3
SD4	Lab Matrix Spike Duplicate #4
SD5	Lab Matrix Spike Duplicate #5
SD6	Lab Matrix Spike Duplicate #6
SD7	Lab Matrix Spike Duplicate #7
SD8	Lab Matrix Spike Duplicate #8
SD9	Lab Matrix Spike Duplicate #9
SDA	Lab Matrix Spike Duplicate #10
SDB	Lab Matrix Spike Duplicate #11
SDC	Lab Matrix Spike Duplicate #12
SDD	Lab Matrix Spike Duplicate #13
SDE	Lab Matrix Spike Duplicate #14

RECDATE

Definition: The Received Date is the date the laboratory physically takes custody of the sample.

Attributes: D8

Included in Tables: TEST

Guidelines & Restrictions:

- All date fields must be in the YYYYMMDD format.
- *RECDATE* cannot be left blank.
- For laboratory-generated QC samples enter the *EXTDATE* into *RECDATE*.
- *RECDATE* must be later than or equal to *LOGDATE*.
- *RECDATE* must be earlier than or equal to *EXTDATE*.
- *RECDATE* must be earlier than or equal to *ANADATE*.
- *RECDATE* must be earlier than or equal to *REP_DATE*.

REP_DATE

Definition: The Report Date is the date that the laboratory generates the hard copy report and EDD.

Attributes: D8

Included in Tables: TEST

Guidelines & Restrictions:

- All date fields must be in the YYYYMMDD format.
- *REP_DATE* cannot be left blank when QCCODE = "CS," and must be blank in all other cases.
- *REP_DATE* must be later than or equal to *LOGDATE*.
- *REP_DATE* must be later than or equal to *EXTDATE*.
- *REP_DATE* must be later than or equal to *ANADATE*.
- *REP_DATE* must be later than or equal to *RECDATE*.

REPDL

Definition: The *REPDL* represents the laboratory's Reported Detection Limit that determines whether a parameter is detectable.

Attributes: N9

Included in Tables: RESULTS

Guidelines & Restrictions:

- *REPDL* cannot be left blank, except when *UNITS* = "PERCENT" (e.g., surrogate parameters), or *PARVQ* = "TI" (i.e., for TIC parameters).
- *REPDL* must be adjusted for dilution.
- *REPDL* may contain the same value as the *LABDL* field, depending on the reporting format of the individual laboratory. In this case, the *REPDLVQ* should indicate that the *LABDL* is actually the *REPDL* value (e.g., "MDL" would be an appropriate *REPDLVQ* when *LABDL* and *REPDL* are equal).
- *REPDL* must be greater than or equal to zero.

REPDLVQ

Definition: The *REPDLVQ* represents the Reported Detection Limit Qualifier used by the analytical laboratory (e.g., practical quantitation limit [PQL], instrument detection limit [IDL], method detection limit [MDL], etc.).

Attributes: C3

Included in Tables: RESULTS

Guidelines & Restrictions:

- *REPDLVQ* cannot be left blank.
- *REPDLVQ* must contain a valid value.
- When *UNITS* = "PERCENT" or *PARVQ* = "TI," enter "NA" for *REPDLVQ*.

Acceptable *REPDLVQ* Values:

CODE	DESCRIPTION
DDL	Method Defined Detection Limit
DU	Data Unavailable
EQL	Estimated Quantitation Limit
IDL	Instrument Detection Limit
LLD	Lowest Level of Detection
MDL	Method Detection Limit
MRL	Method Reporting Limit (lowest standard adjusted for prep.)
NA	Not Applicable
PQL	Practical Quantitation Limit
PRL	Parameter Range Limit

REQ_METHOD_GRP

Definition: The Requested Method Group is the unique identifier for the method or group of methods requested by the client for analysis of the sample.

Attributes: C25

Included in Tables: SAMPLE

Guidelines & Restrictions:

- *REQ_METHOD_GRP* is an optional field and may be left blank.
- *REQ_METHOD_GRP* is a linking field with the EDMS2000 electronic COC tables.

RLNOTE

Laboratory Result Note. Refer to ***LNOTE*** entry on page 51.

RT

Definition: The *RT* represents the Retention Time of a tentatively identified compound (TIC).

Attributes: N7

Included in Tables: RESULTS

Guidelines & Restrictions:

- *RT* cannot be left blank when *PARVQ* = "TI," and should be blank in all other cases.
- *RT* must be greater than or equal to zero.
- *RT* is reported in minutes.

RUN_NUMBER

Definition: The Run Number is a numerical "coding" of multiple or repeat analyses of a sample (one *LABSAMPID*) by the same analytical method.

Attributes: N2

Included in Tables: TEST
RESULTS

Guidelines & Restrictions:

- *RUN_NUMBER* cannot be left blank.
- *RUN_NUMBER* must be an integer greater than or equal to one and less than or equal to 99.

SAMPID

Definition: The Sample ID is the identification assigned to a sample during collection in the field, and as it appears on the chain-of-custody.

Attributes: C25

Included in Tables: SAMPLE
TEST

Guidelines & Restrictions:

- *SAMPID* cannot be left blank when *QCCODE* = "CS," and must be blank in all other cases.
- *SAMPID* must be unique.

SRM

Definition: The *SRM* identifies the source of the Standard Reference Material for the calibration method used by the analytical laboratory.

Attributes: C12

Included in Tables: RESULTS

Guidelines & Restrictions:

- *SRM* cannot be left blank.
- *SRM* must contain a valid value.
- When no reference material is used, enter "NA."

Acceptable *SRM* Values:

CODE	DESCRIPTION
ABSSTD	Absolute Standards
ACCUSTD	AccuStandard
ALDRICH	Aldrich Chemical Co.
APG	Analytical Products Group
BURJAC	Burdick & Jackson
CAMBRIDGE	Cambridge Isotope Labs
CHEMSERV	Chem Services, Inc.
CPI	CPI, Santa Rosa, CA
DU	Data Unavailable
EMSCIENCE	EM Science
EMSL	Environmental Monitoring Systems Laboratory (EMSL), Las Vegas, NV
ERAS	Environmental Research Associated Standards
ETHYLCORP	Ethyl Corp.
FISHER	Fisher Scientific
HACH	HACH Chemical
INVENT	Inorganic Ventures
JTBAKER	J. T. Baker
KODAK	Eastman Kodak Co.
LEEMAN	Leeman Laboratories
MALLINBKRO	Mallinbkrodt
NA	Not Applicable
NIST	U.S.D.C., National Institute of Standards & Technology
PLASMA	Plasma Chem, Inc.
PROTOCOL	Protocol
RADIAN	Radian Corporation

CODE	DESCRIPTION
RESTEK	Restek
SGAS	Scotty Specialty Gases
SIGMA	Sigma Chemical Co.
SOLPUS	Solutions Plus
SOURCE	The Source
SPEX	SPEX Industries
SUPELCO	Supelco
ULTRA	Ultra Scientific
USATHAMA	U.S. Army

SUB

Definition: The *SUB* field contains the *LABCODE* of the Subcontracted Laboratory for an analysis.

Attributes: C4

Included in Tables: TEST

Guidelines & Restrictions:

- *SUB* cannot be left blank.
- *SUB* must contain a valid value.
- Enter "NA" if no subcontracting occurred.

Acceptable *SUB* Values Sorted by Code:

CODE	DESCRIPTION
ACZ	ACZ Laboratories, Steamboat, CO
AEHA	Army Environmental Hygiene Agency (AEHA), APG, MD
AELF	American Environmental Laboratories, Pensacola, FL
AENP	American Environmental Network, Portland, OR
ALTC	Alta Analytical Lab Incorporated, El Dorado Hills, CA
APPL	Agriculture & Priority Pollutants Laboratories, Fresno, CA
ARDL	Applied Research and Development Lab, Inc., (ARDL) Mt. Vernon, IL
ARI	Analytical Resources, Inc., Seattle, WA
ATCA	Analytica, Anchorage, AK
ATCC	Analytica, CO
ATIA	Analytical Technologies, Inc., Anchorage, AK
ATIR	Analytical Technologies, Inc., Renton, WA
ATIS	Analytical Technologies, Inc., San Diego, CA
ATOX	Air Toxics LTD, Folsom, CA
AXYS	Axys Analytical Services, Ltd., Sidney, B.C., Canada
BCE	Brown & Caldwell Analytical Lab, Emeryville, CA
BCLB	BC Laboratories, Bakersfield, CA
BMLA	Boreochem Mobile Lab & Analytical Services
BRS	Brelje & Race, Santa Rosa, CA
CASB	Columbia Analytical Services, Inc., Bothell, WA
CASD	Columbia Analytical Services, Inc., Redding, CA
CASK	Columbia Analytical Services, Inc., Kelso, WA
CASL	Columbia Analytical Services, Inc., Canoga Park, CA
CAWL	California Water Labs, Inc., Modesto, CA
CCAC	Coast-to-Coast Analytical Services, Inc., Camarillo, CA

CODE	DESCRIPTION
CCSJ	Coast-to-Coast Analytical Services, Inc., San Jose, CA
CDM	CDM Federal Programs Corporation
CHEM	Chemic Laboratory, San Diego, CA
CHMC	CH2M Hill Analytical Services, Corvallis, OR
CHMM	CH2M Hill Analytical Services, Montgomery, AL
CHRP	Chromalab, Inc., Pleasanton, CA
CKY	CKY Inc., Torrance, CA
CLSR	California Laboratory Services, Rancho Cordova, CA
CLTP	Clayton Environmental Consultants, Inc., Pleasanton, CA
CRLB	Century Refining (CENREF) Labs, Inc., Brighton, CO
CTB	Curtis & Tompkins, Berkeley, CA
CTE	CT&E Environmental Services, Inc., Anchorage, AK
CTEC	CT&E Environmental Services, Inc., Charleston, WV
DCHM	DataChem Laboratories, Inc., Salt Lake City, UT
DMP	D & M Laboratories, Petaluma, CA
DOWL	Dowl Engineering Alaska Test Labs, Anchorage, AK
DU	Data Unavailable
ECEN	Ecology & Environment, Inc.
ECI	EcoChem, Inc., Seattle, WA
ECLL	Environmental Chemistry Lab at LLNL, Livermore, CA
EEIS	Envirodyne Engineers, Inc., St. Louis, MO
EMXT	EMAX Laboratories, Inc., Torrance, CA
ETCS	ETC, Santa Rosa, CA
FGIS	Frontier Geosciences, Inc., Seattle, WA
FGL	Fruit Growers Lab, Stockton, CA
FORA	Forensic Analytical
GELC	General Engineering Laboratories, Inc., Charleston, SC
GENC	GTEL Environmental Labs, Inc., Concord, CA
KIC	KIC Lab, Prudhoe Bay, AK
LAL	Lockheed Analytical Laboratory, Las Vegas, NV
LASL	Los Alamos Scientific Laboratory, Los Alamos, NM
LDC	Laboratory Data Consultants
LTL	Laucks Testing Lab, Inc.
MEC	MEC Analytical Systems, Inc., Carlsbad, CA
MSSL	Mountain States Analytical, Salt Lake City, UT
MWLP	Montgomery Watson Laboratories, Pasadena, CA
NA	Not Applicable
NCAB	North Creek Analytical, Bothell, WA
NCAC	North Creek Analytical, Bend, OR
NCAP	North Creek Analytical, Beaverton, OR
NCAS	North Creek Analytical, Spokane, WA
NTL	Northern Testing Laboratories, Anchorage, AK
NTLF	Northern Testing Laboratories, Fairbanks, AK
NWCC	Northwest Colorado Consultants, Inc., Steamboat Springs, CO
OEIR	OnSite Environmental, Inc., Redmond, WA
PAC	Pacific Analytical, Carlsbad, CA

CODE	DESCRIPTION
PAIS	Performance Analytical, Inc., Simi Valley, CA
PARA	Paragon Analytics, Inc., CO
PHLE	Philip Environmental
QALA	Quality Analytical Laboratores, Inc., Montgomery, AL
QALC	Quality Analytical Laboratories, Inc., Redding, CA
RFWC	Roy F. Weston, West Chester, PA
RFWS	Roy F. Weston, Stockton, CA
SAS	Sound Analytical Services, Inc., Tacoma, WA
SC3S	S-Cubed, A Division of Maxwell Laboratories, Inc., San Diego, CA
SEQR	Sequoia Analytical Laboratories, Inc., Redwood City, CA
SPEC	Spectra Laboratory, Inc., Tacoma, WA
STL1	Severn Trent Laboratories, Arvada, CO
STL2	Severn Trent Laboratories, Edison, NJ
STL3	Severn Trent Laboratories, Santa Ana, CA
STL4	Severn Trent Laboratories, Miramar, FL
STL5	Severn Trent Laboratories, Newburgh, NY
STL6	Severn Trent Laboratories, Colchester, VT
STL7	Severn Trent Laboratories, Aurora, CO
STLB	Severn Trent Laboratories, Sparks, MD
STLC	Severn Trent Laboratories, North Canton, OH
STLD	Severn Trent Laboratories, Austin, TX
STLE	Severn Trent Laboratories, Tallahassee, FL
STLF	Severn Trent Laboratories, Tampa, FL (Quanterra)
STLG	Severn Trent Laboratories, Savannah, GA
STLH	Severn Trent Laboratories, Houston, TX
STLI	Severn Trent Laboratories, Pensacola, FL
STLJ	Severn Trent Laboratories, N. Billerica, MA
STLK	Severn Trent Laboratories, Knoxville, TN
STLL	Severn Trent Laboratories, Earth City, MO
STLM	Severn Trent Laboratories, Monroe, CT
STLN	Severn Trent Laboratories, Anaheim, CA
STLO	Severn Trent Laboratories, Mobile, AL
STLP	Severn Trent Laboratories, Pittsburgh, PA
STLQ	Severn Trent Laboratories, Amherst, NY
STLR	Severn Trent Laboratories, Richland, WA
STLS	Severn Trent Laboratories, West Sacramento, CA
STLT	Severn Trent Laboratories, Austin, TX (Quanterra)
STLU	Severn Trent Laboratories, University Park, IL
STLV	Severn Trent Laboratories, Valparaiso, IN
STLW	Severn Trent Laboratories, Westfield, MA
STLX	Severn Trent Laboratories, Tampa, FL (Savannah)
STLY	Severn Trent Laboratories, Whippany, NJ
STLZ	Severn Trent Laboratories, Corpus Christi, TX
SWAA	Shannon & Wilson, Inc., Anchorage, AK
SWLB	Southwest Laboratory
SWRI	Southwest Resarch Institute, San Antonio, TX

CODE	DESCRIPTION
TRID	Triangle Laboratories, Inc., Durham, NC

Acceptable *SUB* Values Sorted by Description:

CODE	DESCRIPTION
ACZ	ACZ Laboratories, Steamboat, CO
APPL	Agriculture & Priority Pollutants Laboratories, Fresno, CA
ATOX	Air Toxics LTD, Folsom, CA
ALTC	Alta Analytical Lab Incorporated, El Dorado Hills, CA
AELF	American Environmental Laboratories, Pensacola, FL
AENP	American Environmental Network, Portland, OR
ATCA	Analytica, Anchorage, AK
ATCC	Analytica, CO
ARI	Analytical Resources, Inc., Seattle, WA
ATIA	Analytical Technologies, Inc., Anchorage, AK
ATIR	Analytical Technologies, Inc., Renton, WA
ATIS	Analytical Technologies, Inc., San Diego, CA
ARDL	Applied Research and Development Lab, Inc., (ARDL) Mt. Vernon, IL
AEHA	Army Environmental Hygiene Agency (AEHA), APG, MD
AXYS	Axys Analytical Services, Ltd., Sidney, B.C., Canada
BCLB	BC Laboratories, Bakersfield, CA
BMLA	Boreochem Mobile Lab & Analytical Services
BRS	Brelje & Race, Santa Rosa, CA
BCE	Brown & Caldwell Analytical Lab, Emeryville, CA
CLSR	California Laboratory Services, Rancho Cordova, CA
CAWL	California Water Labs, Inc., Modesto, CA
CDM	CDM Federal Programs Corporation
CRLB	Century Refining (CENREF) Labs, Inc., Brighton, CO
CHMC	CH2M Hill Analytical Services, Corvallis, OR
CHMM	CH2M Hill Analytical Services, Montgomery, AL
CHEM	Chemic Laboratory, San Diego, CA
CHRP	Chromalab, Inc., Pleasanton, CA
CKY	CKY Inc., Torrance, CA
CLTP	Clayton Environmental Consultants, Inc., Pleasanton, CA
CCAC	Coast-to-Coast Analytical Services, Inc., Camarillo, CA
CCSJ	Coast-to-Coast Analytical Services, Inc., San Jose, CA
CASB	Columbia Analytical Services, Inc., Bothell, WA
CASL	Columbia Analytical Services, Inc., Canoga Park, CA
CASK	Columbia Analytical Services, Inc., Kelso, WA
CASD	Columbia Analytical Services, Inc., Redding, CA
CTE	CT&E Environmental Services, Inc., Anchorage, AK
CTEC	CT&E Environmental Services, Inc., Charleston, WV
CTB	Curtis & Tompkins, Berkeley, CA
DMP	D & M Laboratories, Petaluma, CA
DU	Data Unavailable
DCHM	DataChem Laboratories, Inc., Salt Lake City, UT

CODE	DESCRIPTION
DOWL	Dowl Engineering Alaska Test Labs, Anchorage, AK
ECI	EcoChem, Inc., Seattle, WA
ECEN	Ecology & Environment, Inc.
EMXT	EMAX Laboratories, Inc., Torrance, CA
EEIS	Envirodyne Engineers, Inc., St. Louis, MO
ECLL	Environmental Chemistry Lab at LLNL, Livermore, CA
ETCS	ETC, Santa Rosa, CA
FORA	Forensic Analytical
FGIS	Frontier Geosciences, Inc., Seattle, WA
FGL	Fruit Growers Lab, Stockton, CA
GELC	General Engineering Laboratories, Inc., Charleston, SC
GENC	GTEL Environmental Labs, Inc., Concord, CA
KIC	KIC Lab, Prudhoe Bay, AK
LDC	Laboratory Data Consultants
LTL	Laucks Testing Lab, Inc.
LAL	Lockheed Analytical Laboratory, Las Vegas, NV
LASL	Los Alamos Scientific Laboratory, Los Alamos, NM
MEC	MEC Analytical Systems, Inc., Carlsbad, CA
MWLP	Montgomery Watson Laboratories, Pasadena, CA
MSSL	Mountain States Analytical, Salt Lake City, UT
NCAP	North Creek Analytical, Beaverton, OR
NCAC	North Creek Analytical, Bend, OR
NCAB	North Creek Analytical, Bothell, WA
NCAS	North Creek Analytical, Spokane, WA
NTL	Northern Testing Laboratories, Anchorage, AK
NTLF	Northern Testing Laboratories, Fairbanks, AK
NWCC	Northwest Colorado Consultants, Inc., Steamboat Springs, CO
NA	Not Applicable
OEIR	OnSite Environmental, Inc., Redmond, WA
PAC	Pacific Analytical, Carlsbad, CA
PARA	Paragon Analytics, Inc., CO
PAIS	Performance Analytical, Inc., Simi Valley, CA
PHLE	Philip Environmental
QALA	Quality Analytical Laboratores, Inc., Montgomery, AL
QALC	Quality Analytical Laboratories, Inc., Redding, CA
RFWS	Roy F. Weston, Stockton, CA
RFWC	Roy F. Weston, West Chester, PA
SC3S	S-Cubed, A Division of Maxwell Laboratories, Inc., San Diego, CA
SEQR	Sequoia Analytical Laboratories, Inc., Redwood City, CA
STLQ	Severn Trent Laboratories, Amherst, NY
STLN	Severn Trent Laboratories, Anaheim, CA
STL1	Severn Trent Laboratories, Arvada, CO
STL7	Severn Trent Laboratories, Aurora, CO
STLD	Severn Trent Laboratories, Austin, TX
STLT	Severn Trent Laboratories, Austin, TX (Quanterra)
STL6	Severn Trent Laboratories, Colchester, VT

CODE	DESCRIPTION
STLZ	Severn Trent Laboratories, Corpus Christi, TX
STLL	Severn Trent Laboratories, Earth City, MO
STL2	Severn Trent Laboratories, Edison, NJ
STLH	Severn Trent Laboratories, Houston, TX
STLK	Severn Trent Laboratories, Knoxville, TN
STL4	Severn Trent Laboratories, Miramar, FL
STLO	Severn Trent Laboratories, Mobile, AL
STLM	Severn Trent Laboratories, Monroe, CT
STLJ	Severn Trent Laboratories, N. Billerica, MA
STL5	Severn Trent Laboratories, Newburgh, NY
STLC	Severn Trent Laboratories, North Canton, OH
STLI	Severn Trent Laboratories, Pensacola, FL
STLP	Severn Trent Laboratories, Pittsburgh, PA
STLR	Severn Trent Laboratories, Richland, WA
STL3	Severn Trent Laboratories, Santa Ana, CA
STLG	Severn Trent Laboratories, Savannah, GA
STLB	Severn Trent Laboratories, Sparks, MD
STLE	Severn Trent Laboratories, Tallahassee, FL
STLF	Severn Trent Laboratories, Tampa, FL (Quanterra)
STLX	Severn Trent Laboratories, Tampa, FL (Savannah)
STLU	Severn Trent Laboratories, University Park, IL
STLV	Severn Trent Laboratories, Valparaiso, IN
STLS	Severn Trent Laboratories, West Sacramento, CA
STLW	Severn Trent Laboratories, Westfield, MA
STLY	Severn Trent Laboratories, Whippany, NJ
SWAA	Shannon & Wilson, Inc., Anchorage, AK
SAS	Sound Analytical Services, Inc., Tacoma, WA
SWLB	Southwest Laboratory
SWRI	Southwest Resarch Institute, San Antonio, TX
SPEC	Spectra Laboratory, Inc., Tacoma, WA
TRID	Triangle Laboratories, Inc., Durham, NC

TLNOTE

Laboratory Test Note. Refer to ***LNOTE*** entry on page 51.

UNITS

Definition: The *UNITS* field identifies the Units of Measure for an analytical result.

Attributes: C10

Included in Tables: RESULTS
QC

Guidelines & Restrictions:

- *UNITS* cannot be left blank.
- *UNITS* must contain a valid value.
- Blank spikes, blank spike duplicates, matrix spike and matrix spike duplicates must be expressed in absolute units.
- Report surrogates (*PARVQ* = "SU") and internal standards (*PARVQ* = "IN") with *UNITS* = "PERCENT."
- For all analytes reporting as "PERCENT," enter zero into the *LABDL* field and *REPDL* fields, and "NA" into the *REPDLVQ* field.
- If soil samples are expressed on a dry-weight basis, then percent moisture must be reported and detection limits should be provided on a dry-weight basis. Whenever multiple percent moisture determinations have been performed on a sample, (i.e., one determination for each analytical method), report the percent moisture results (*PARLABEL* and *PARVAL*) within the analytical method for that particular *ANMCODE*. (Note: Not all analytical methods require percent moisture determinations.) When entering percent moisture and solids data, use the *PARLABEL* and the following *UNITS*:

Appropriate *UNITS* for Percent Moisture Parameters:

PARLABEL	***UNITS***
SOLIDVOA	PERCENT
MOIST	PERCENT
SOLID	PERCENT
SS	per unit volume
TDS	per unit volume
TSO	per unit volume
TVS	per unit volume

Acceptable *UNITS* Values:

CODE	DESCRIPTION
%V/V	Percent by volume
1/S	Per Second
ACRE FT	Acre feet
ACRES	Acres
ADMI COLOR	ADMI (American Dye Manufacturers Institute) color
BARS	Bars
BTU/GAL	British Thermal Units per gallon
BTU/LB	British Thermal Units per pound
CC	Cubic centimeters
CFS	Cubic feet per second
CFU/100ML	Colony Forming Units per 100 milliliters
CFU/G	Colony Forming Units per gram
CFU/ML	Colony Forming Units per milliliter
CM	Centimeters
CM/HR	Centimeters per hour
CM/SEC	Centimeters per second
CM/YR	Centimeters per year
CM2/SEC	Square centimeters per second
COLF/100ML	Coliform bacteria per 100 milliliters
COLF/G	Coliform bacteria per gram
COLOR UNIT	Color unit
COUNT/L	Count per liter
CP	Centipoise
CST	Centistokes
DAY	Days
DEG	Degrees
DEG C	Degrees Celsius
DEG C/HR	Degrees Celsius per hour
DEG F	Degrees Fahrenheit
DIGITS	Number of digits to the right of the decimal point
DOLLARS	Dollars
DPY	Drums per year
DU	Data Unavailable
DYNES/CM	Dynes per centimeter
E	Natural logarithm
FIBERS/L	Fibers per liter
FT	Feet
FT CANDLES	Foot candles
FT MSL	Feet above mean sea level
FT/DAY	Feet per day
FT/IN	Feet per inch
FT/MIN	Feet per minute
FT/SEC	Feet per second
FT2	Square feet
FT2/DAY	Square feet per day (cubic feet/day-foot)

CODE	DESCRIPTION
FT2/MIN	Feet squared per minute (for units of transmissivity)
FT3	Cubic feet
FT3/YR	Cubic feet per year
G	Grams
G/CC	Grams per cubic centimeter
G/G	Grams per gram
G/KG	Grams per kilogram
G/L	Grams per liter
G/M2/YR	Grams per square meter per year
G/M3/DAY	Grams per cubic meter per day
G/ML	Grams per milliliter
GAL	Gallons
GAL/MIN	Gallons per minute
GPD	Gallons per day
GPD/FT	Gallons per day per foot
GPD/FT2	Gallons per day per foot squared
GPM/FT	Gallons per minute per foot
GPY	Gallons per year
HRS	Hours
HRS/DAY	Hours per day
IN	Inches
IN(HG)	Inches of mercury
IN/DAY	Inches per day
IN/FT	Inches per foot
IN/HR	Inches per hour
IN/IN	Inches per inch
IN/WK	Inches per week
IN2/FT	Square inches per foot
IN3	Cubic inches
JCU	Jackson Candle Units
JTU	Jackson Turbidity Units
KG/1000GAL	Kilograms per 1000 gallons
KG/BATCH	Kilograms per batch
KG/DAY	Kilograms per day
KG/M3	Kilogram per meter cubed
KG/M3/S	Kilogram per meter cubed per second
KG/S	Kilogram per second
KM2	Square kilometers
KNOTS	Knots
L	Liter
LAIU	Langelier Index Units
LB/1000LB	Pounds per thousand pounds
LB/BARREL	Pound per barrel
LB/IN2	Pounds per square inch
LB/TON	Pounds per ton
LBS	Pounds

CODE	DESCRIPTION
LBS/DAY	Pounds per day
LBS/MON	Pounds per month
LBS/YR	Pounds per year
M	Meter
M/S	Meter per second
M2	Meter squared
M2/S	Meter squared per second
M3 X 10(6)	Meter cubed (in millions)
M3/KG	Meter cubed per kilogram
M3/S	Meter cubed per second
MEQ/100G	Milliequivalents per 100 grams
MG	Milligrams
MG/CM2	Milligrams per centimeter squared
MG/FLT	Milligrams per filter
MG/G	Milligrams per gram
MG/KG	Milligrams per kilogram
MG/L	Milligrams per liter
MG/M2	Milligrams per square meter
MG/M2/DAY	Milligrams per meter squared per day
MG/M3	Milligrams per cubic meter (PPBV)
MG/ML	Milligrams per milliliter
MGAL	Million gallons
MGCACO3/L	Milligrams of calcium carbonate per liter
MGD	Millions of gallons per day
MGDO/L	Milligrams dissolved oxygen per liter
MGM	Millions of gallons per month
MGY	Millions of gallons per year
MILE2	Square miles
MILES	Miles
MILL FT3	Million feet cubed
MILLIVOLTS	Millivolts
MIN	Minutes
ML	Milliliter
ML/L	Milliliter per liter
MM	Millimeter
MM/M2/HR	Millimeter per meter squared per hour
MM/YR	Millimeter per year
MMHOS/CM	Millimhos (MMHOS) per centimeter
MOL %	Mole percent
MON	Month
MPH	Miles per hour
MPN/100ML	Most Probable Number per 100 milliliters
MPN/G	Most Probable Number per gram
MS/CM	Microsiemens per centimeter
NAUT.MILE	Nautical mile
NG	Nanogram

CODE	DESCRIPTION
NG/CC	Nanogram per cubic centimeter
NG/G	Nanograms per gram
NG/KG	Nanogram per kilogram
NG/L	Nanogram per liter
NG/M3	Nanogram per cubic meter
NG/SAMPLE	Nanograms per sample
NONE	No unit of measure
NTU	Nephelometric Turbidity Units
OZ	Ounces
PCF	Pounds per cubic foot
PCI/G	PicoCuries per gram
PCI/L	PicoCuries per liter
PER LOSS	Percent loss
PER WGT	Percent by weight
PERCENT	Percent
PG	Picogram
PG/G	Picogram per gram
PG/KG	Picograms per kilogram
PG/L	Picogram per liter
PH UNITS	pH units
PPB	Parts per billion
PPBV	Parts per billion by volume
PPM	Parts per million
PPMB	Parts per million, benzene equivalent (for soil/gas)
PPMC	Parts per million carbon
PPMM	Parts per million, methane equivalent (for soil/gas)
PPMV	Parts per million by volume
PPQ	Parts per quadrillion
PPT	Parts per trillion
PPTV	Parts per trillion by volume
PSF	Pounds per square foot
PSI	Pounds per square inch
S	Second
T.O.N.	Threshold Odor Number
TONS/DAY	Tons per day
UG	Micrograms
UG/100CM2	Micrograms per 100 square centimeters
UG/CM2	Micrograms per centimeter squared
UG/G	Micrograms per gram
UG/KG	Micrograms per kilogram
UG/L	Micrograms per liter
UG/M3	Micrograms per cubic meter
UG/ML	Micrograms per milliliter
UG/SAMPLE	Micrograms per total air sample taken
UG/WIPE	Micrograms per wipe
UG/YR	Micrograms per year

CODE	DESCRIPTION
UMHOS/CM	Micromhos (UMHOS) per centimeter
UMOLES/G	Micromoles per gram
UPY	Units per year

UPPERCL

Definition: The Upper Control Limit is the upper limit of a quality control acceptance criterion.

Attributes: N4

Included in Tables: CL

Guidelines & Restrictions:

- *UPPERCL* must be an integer greater than or equal to one and less than or equal to 9999.
- *UPPERCL* must be greater than *LOWERCL*.