Table Name: **tblRunHeader**

Table Description: **Instrumental Methods Header Data**

Field Name	Field Description	Field Type	Size	Key	Required
PercCOHDR	This is the carbon monoxide percentage which defaults to zero (0). ... not used for method 5 or 202	Double	8		
NozzleCkPost	This is a pull-down selection for nozzle inspections for dents, nicks, etc. This field is present only on the single train “Header Data” tab.	Text	20		
Impinit2	This is the initial volume or weight of impinger number 2. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
Impinit1	This is the initial volume or weight of impinger number 1. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
FcHDR	The value “Fc” is the ratio of the theoretical carbon dioxide produced during combustion to the higher heating value of the fuel combusted. With carbon dioxide, the emission rate in lb/MMBtu can be calculated from wet or dry emissions concentration.	Long Integer	4		
FwHDR	The value “Fw” is the ratio of the quantity of wet effluent gas generated by combustion to the gross calorific value of the fuel. With wet oxygen and moisture concentration, the emission rate in lb/MMBtu can be calculated.	Long Integer	4		
RunStatus	added 9/28/05 - Accepted/Rejected	Text	20		
Impinit4	This is the initial volume or weight of impinger number 4. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
FuelType	This is a pull-down selection of the Fuel Type which also populates the three F-factor fields FdHDR, FwHDR and FcHDR with the values presented in Table 19-2 of EPA Method 19. In addition, the user may select “Override” and enter fuel specific F-factors.	Text	25		

Table Name: tblRunHeader

Table Description: Instrumental Methods Header Data

Field Name	Field Description	Field Type	Size	Key	Required
Impinit5	This is the initial volume or weight of impinger number 5. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
PstdHDR	This is the standard pressure which defaults to EPA standard of 29.92 inches of mercury. When the test method performed requires the use of a different standard pressure, the user can change the “29.92” in this field to the pressure specified.	Double	8		
tstdHDR	This is the standard temperature which defaults to EPA standard of 68 degrees F. When the test method performed requires the use of a different standard temperature, the user can change the “68” in this field to the temperature specified.	Double	8		
Location	This is the unique sampling location name, such as inlet, stack, ESP inlet, scrubber outlet, etc. which was provided during the Test Plan preparation.	Text	50		
Personnel	Not Used. This is left in for compatibility with old project data sets.	Text	50		
StackTCCKPost	This is a pull-down selection for the post-test results of the thermocouple check, as applicable. Paired sampling trains also requires the recording of sorbent trap and probe temperatures, there are checks for these thermocouples.	Text	25		
StackTCCKMid	This is a pull-down selection for the mid-test results of the thermocouple check, as applicable. Paired sampling trains also require the recording of sorbent trap and probe temperatures, there are checks for these thermocouples.	Text	25		
StackTCCKPre	This is a pull-down selection for the pre-test results of the thermocouple check, as applicable. Paired sampling trains also require the recording of sorbent trap and probe temperatures, there are checks for these thermocouples.	Text	20		
FdHDR	The value “Fd” is the ratio of the quantity of dry effluent gas generated by combustion to the gross calorific value of the fuel. With oxygen concentration, the emission rate in lb/MMBtu can be calculated from the dry pollutant emissions concentration.	Long Integer	4		

Table Name: tblRunHeader

Table Description: Instrumental Methods Header Data

Field Name	Field Description	Field Type	Size	Key	Required
Impfin6	This is the final volume or weight of impinger number 6 determined after the test. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
RunNumber	PK- This is for the Run Number of the test. This number is assigned by the test company. Generally, the run number is an integer value which indicates the sequence order for the performance of the test method for the location.	Text	50	Primary	
ProcRunID	This is the run id of the process parameter associatied with the same time the test was performed. The user uses a drop down menu to select the process parameter which is stored in the "Process ParamID" field of table "tblProcessRunData".	Text	75		
PercCO2RunId	This is the run id of a Method 3A test for CO2 if the users selects the CO2 run from the pull down menu. (if pulled from that method)	Text	75		
Probe	This is the sample probe and or Pitot equipment identification number. The Pitot is the piece of hardware used to measure the velocity pressure of the stack gas. The ID is necessary for calibration documentation purposes.	Text	50		
Ambient	Ambient Temperature in degrees F. The ambient temperature field is present only on the single train ”Header Data” tab.	Long Integer	4		
Mansense	This is the sensitivity of the micromanometer if one was used. The units for this field is inches of water column.	Double	8		
Impinit3	This is the initial volume or weight of impinger number 3. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
Silicafin	This is the final weight of impinger containing Silica Gel determined after the test. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
PercO2RunId	This is the run id of a Method 3A test for O2 if the users selects the O2 run from the pull down menu. (if pulled from that method)	Text	75		

Table Name: tblRunHeader

Table Description: Instrumental Methods Header Data

Field Name	Field Description	Field Type	Size	Key	Required
Impfin5	This is the final volume or weight of impinger number 5 determined after the test. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
Impfin4	This is the final volume or weight of impinger number 4 determined after the test. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
Impfin3	This is the final volume or weight of impinger number 3 determined after the test. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
Impfin2	This is the final volume or weight of impinger number 2 determined after the test. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
Impfin1	This is the final volume or weight of impinger number 1 determined after the test. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
Silicainit	This is the initial weight of impinger containing Silica Gel. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
Impinit6	This is the initial volume or weight of impinger number 6. The ERT uses the value in this field in the calculation to produce the sum of the differences of all of the impingers and populate this value into the VlcHDR field.	Double	8		
Manused	This is the identification number of the micromanometer if used.	Text	50		
FilterNum2	This is the specific identifier for the second filter used for the test run if used. The value provided is the filter's unique identification number and is used for associating laboratory analyses with a specific test.	Text	20		
Pitot	This is the Pitot tube ID. Used with the spreadsheet import	Text	25		

Table Name: tblRunHeader

Table Description: Instrumental Methods Header Data

Field Name	Field Description	Field Type	Size	Key	Required
TCReadOut	This is the Thermocouple read out. Used with the spreadsheet import	Text	25		
MeterBox	This is the identification number of the Dry Gas Meter. The dry gas meter is the piece of hardware responsible for quantifying the volume of gas passing through the meter. The ID is necessary for calibration documentation purposes.	Text	25		
SampBox	This is the ID of the sample box. Used with the spreadsheet import.	Text	25		
TedlarBag	This is the ID of a Tedlar bag, if used. The Tedlar bag ID is present only on the “Single Train” header tab.	Text	25		
Umbical	This is the identificatin number of the sample transport line either from the sample probe to the filter and impinger box or from the exit of the impingers to the Meter Box console. The Umbilical ID is present only on the “Single Train” header tab.	Text	25		
Nozzle	The nozzle ID is necessary for calibration documentation purposes. Method 5 requires the measurement of the diameter of each probe nozzle before use and a permanent unique identifier. The Nozzle ID is present only on the “Single Train” header tab.	Text	25		
FilterNum3	This is the specific identifier for the third filter used for the test run if used. The value provided is the filter’s unique identification number and is used for associating laboratory analyses with a specific test.	Text	20		
OrasatPump	This is the ID of the pump used for filling a Tedlar bag, for example. The Orsat Pump ID is present only on the “Single Train” header tab.	Text	25		
FilterNum1	This is the specific identifier for the first filter used for the test run. The value provided is the filter’s unique identification number and is used for associating laboratory analyses with a specific test.	Text	20		
PgHDR	This is the static pressure (inches of water), of the sampling location. Some screens show Pstatic or Pg. Static pressure is typically measured with a Pitot tube. The value is the difference between the stack and local atmospheric pressure.	Double	8		

Table Name: tblRunHeader

Table Description: Instrumental Methods Header Data

Field Name	Field Description	Field Type	Size	Key	Required
PbHDR	The barometric pressure of the sampling location. The pressure is reported in units of inches of mercury at the sampling platform. User obtained weather service pressures are adjusted for the differences in pressure due to differences in elevation.	Double	8		
Method	PK- The field identifies the method used to measure the analyte emissions. The test method was one of the user selected isokinetic or manual sampling methods which were entered in Item 2a of the Test Plan.	Text	20	Primary	
RunDate	PK- This is the date that the test was performaned.	Date/Time	8	Primary	
JobNumber	This is the contractor's internal job or project number. Used with the spreadsheet import	Text	25		
NozzleCkMid	This is a pull-down selection for nozzle inspections for dents, nicks, etc. This field is present only on the single train “Header Data” tab.	Text	20		
ReagBox	This is the identification number of the Control Console. The control console is the combination of the dry gas meter, pumps, temperature controllers, manometers, etc. The ID is necessary for calibration documentation purposes.	Text	25		
LeakRtPost	The post-test sampling train leak check rate. The post-test leak rate must be less than or equal to 4 percent of the average sampling rate or 0.02 acfm whichever is less.	Double	8		
NozzleCkPre	This is a pull-down selection for nozzle inspections for dents, nicks, etc. This field is present only on the single train “Header Data” tab.	Text	20		
PitotCkPost	This is a pull-down selection for the mandatory post-test leak check result. This is a pass or fail assessment against the specifications in EPA Method 2.	Text	20		
StackTC	This is the ID of the thermocouple device used for monitoring the stack gas temperature. The ID is necessary for calibration documentation purposes.	Text	25		
PitotCkPre	This is a pull-down selection for the pre-test leak check result, if performed. This is a pass or fail assessment against the specifications in EPA Method 2.	Text	20		

Table Name: tblRunHeader

Table Description: Instrumental Methods Header Data

Field Name	Field Description	Field Type	Size	Key	Required
VlcHDR	This is the sum of the volume or weight of the moisture condensed in each of the impingers to the nearest milliliter. In the ERT application this field is shown as "Vlc".	Double	8		
LeakRtPre	The pre-test sampling train leak check rate. The post-test leak rate must be less than or equal to 4 percent of the initial sampling rate or 0.02 acfm whichever is less.	Double	8		
FinalDGM	For single sampling trains, this is the total volume recorded by the dry gas meter (DGM) during all leak checks performed between the pre test and post test leak checks. This volume is subtracted from the total sample volume recorded for the test run.	Double	8		
InitDGM	This is the initial volume or the dry gas meter prior to any of the leak checks conducted between the pre test and post test leak checks. This value is set at 0.	Double	8		
VacCkPost	The vacuum at which the post sampling train leak checks was performed.	Double	8		
PercO2HDR	The oxygen percent of the gas stream tested. The pull-down to the right of the field for the O2 concentration provides access to the results of instrumental measurements of O2.	Double	8		
PercCO2HDR	The carbon dioxide percent of the gas stream tested. The pull-down to the right of the field for the CO2 concentration provides access to the results of instrumental measurements of CO2.	Double	8		
DnHDR	This is the nozzle diameter. The nozzle diameter is measured in inches.	Double	8		
CpHDR	This is the Pitot tube coefficient which is dimensionless. The Pitot tube coefficient for an S-type Pitot can range from 0.80 to 0.88 but is usually between 0.84 and 0.864. The Cp for a standard Pitot is 0.99.	Double	8		
DH@HDR	Delta H @ (ΔH@) is the orifice pressure differential in inches of H2O of an isokinetic sampling train meterbox (such as used for Method 5 sampling) that correlates to 0.75 cfm at 528ºR and 29.92 in Hg.	Double	8		

Table Name: **tblRunHeader**

Table Description: **Instrumental Methods Header Data**

Field Name	Field Description	Field Type	Size	Key	Required
YHDR	This is the dry gas meter correction coefficient, gamma, of an isokinetic sampling train meterbox (such as used for Method 5 sampling). In the displayed header screen, gamma is shown as "Y". The units of gamma are dimensionless.	Double	8		
VacCkPre	The vacuum at which the pre sampling train leak checks was performed.	Double	8		
PitotCkMid	This is a pull-down selection for the mid-test leak check result, if performed. This is a pass or fail assessment against the specifications in EPA Method 2.	Text	20		

Table Name: **tblRunPoints**

Table Description: **Manual Methods Point Run Data**

Field Name	Field Description	Field Type	Size	Key	Required
FinalExitTemp	This is the temperature of sample gas exiting silica gel impinger, degrees F.	Long Integer	4		
PumpVac	This is the vacuum of the sampling pump, measured in inches mercury.	Double	8		
Notes	These are any observations or comments concerning the test run.	Text	255		
Location	RF- This is the unique sampling location name, such as inlet, stack, ESP inlet, scrubber outlet, etc. which was provided during the Test Plan preparation.	Text	50		Req.
Point	RF- This is the sampling point label used by the test company, such as A1, A-1, D-2, etc.	Text	8		Req.
JobNumber	This is the contractors project or job number. Used with the spreadsheet import.	Text	25		
Method	RF- The field identifies the method used to measure the analyte emissions. The test method was one of the user selected isokinetic or manual sampling methods which were entered in Item 2a of the Test Plan.	Text	20		Req.
FilTempOut	This is the gas temperature exiting the filter box or compartment, degrees F. Where a sampling protocol requires the monitoring of two filter temperatures, this may be used as the exit gas temperature for the second filter.	Long Integer	4		
SampleRate	This is the sampling rate, measured in cubic ft per min.	Double	8		

Table Name: tblRunPoints

Table Description: Manual Methods Point Run Data

Field Name	Field Description	Field Type	Size	Key	Required
RunNumber	RF- This is for the Run Number of the test. This number is assigned by the test company. Generally, the run number is an integer value which indicates the sequence order for the performance of the test method for the location.	Text	20		Req.
ImpingTemp	This field is left in for backwards compatibility with older project data sets.	Double	8		
FilTempIn	This is the gas temperature entering the filter box or compartment, degrees F. Where a sampling protocol requires the monitoring of two filter temperatures, this may be used as the exit gas temperature for the first filter.	Long Integer	4		
GasMeter	RF- The dry gas meter volume reading at the beginning (or end) of the sampling at a point. This means that the final (or initial) volume reading is recorded in a row without a point label and no other recorded point data.	Double	8		Req.
FilterTemp	This field is left in for backwards compatibility with older project data sets.	Double	8		
RunDate	RF- This is the date that the test was performaned.	Date/Time	8		Req.
BeginTime	This is the number of minutes of cumulative sampling time prior to the beginning of sampling at the sample point.	Double	8		
Clock	This is the actual local clock time at the start of sampling at a point.	Date/Time	8		
Velocity	RF- This is the velocity pressure (Δp) expressed in inches of water. Values in “ΔP” are used in the calculation of isokinetics, average delta p, velocity of gas stream and actual and standard stack gas flow.	Double	8		Req.
StackTemp	RF- This is the measured stack temperature of the effluent gas at the sampling point and is expressed as degrees F. The values in the stack temp are used in subsequent calculations.	Double	8		Req.
DryGasInlet	RF- This is the dry gas meter intlet gas temperature, expressed as degrees F. The values in the dry gas intlet are used in subsequent calculations.	Double	8		Req.
DryGasOutlet	RF- This is the dry gas meter outlet gas temperature, expressed as degrees F. The values in the dry gas outlet are used in subsequent calculations.	Double	8		Req.

Table Name: **tblRunPoints**

Table Description: **Manual Methods Point Run Data**

Field Name	Field Description	Field Type	Size	Key	Required
OrificePresDesired	This is the orifice pressure setting required for sampling isokinetically, measured by inches water.	Double	8		
OrificePresActual	RF- Orifice pressure actually sampled or reached, measured in inches of water. The values in the "Orifice Pressure Actual" are used in subsequent calculations.	Double	8		Req.
ProbeTemp	This is the temperature of the sampling probe, degrees F.	Double	8		
EndTime	RF- This is the number of minutes of cumulative sampling time at the end of sampling at the sample point.	Double	8		Req.

Table Name: **tblRunLab**

Table Description: **Manual Methods Lab Data**

Field Name	Field Description	Field Type	Size	Key	Required
Units	This is the mass units, including: gm (grams), mg (milligrams), ug (micrograms), ng (nanograms) or pg (picograms).	Text	10		
Mass	This is the numerical value of the sample catch weight reported from the lab. This value may be the sum of multiple analytical components.	Double	8		
Compliance	added 9/28/05 - Yes/No/Indeterminate	Text	20		
RunDate	PK- This is the date that the test was performaned.	Date/Time	8	Primary	
Flag	Lab qualifier for the sample data. EPA guidance requests the following flags: BDL (all components are below detection level); DLL (not all components are less than the detection level); and ADL (all components are above the detection level).	Text	50		
PlantID	FK- This number provides a link to tbltestplan.	Text	50	Foreign	
Method	PK- The field identifies the method used to measure the analyte emissions. The test method was one of the user selected isokinetic or manual sampling methods which were entered in Item 2a of the Test Plan.	Text	50	Primary	
RunNumber	PK- This is for the Run Number of the test. This number is assigned by the test company. Generally, the run number is an integer value which indicates the sequence order for the performance of the test method for the location.	Text	50	Primary	

Table Name: tblRunLab

Table Description: Manual Methods Lab Data

Field Name	Field Description	Field Type	Size	Key	Required
Location	PK- This is the unique sampling location name, such as inlet, stack, ESP inlet, scrubber outlet, etc. which was provided during the Test Plan preparation.	Text	50	Primary	
Compound	PK- Analyte name from the Test Plan “Setup” window.	Text	50	Primary	
Comments	Observations or comments. EPA guidance recommends the reporting of individual components and laboratory detection level(s) in the comment field.	Memo	0		

Table Name: tblRunHeader30B

Table Description: Method 30 B Header Run Data

Field Name	Field Description	Field Type	Size	Key	Required
tsHDR	This is the calculated stacktemperature based upon the method selected in TemperatureRunID. If the user selected "User Entered" the value is the number entered.	Double	8		
FlowRateRunID	This is the flow rate run identification for the period corresponding to the time for the emissions test documented in this record. It is selected from a list of available flow rate runs by the user. The user also has the option to select "User Entered".	Text	75		
QsdHDR	This is the calculated stack flow in dscfm based upon the method selected in FlowRateRunID. If the user selected "User Entered" the value is the number entered.	Double	8		
SorbentTrapCkPostA	This is a pull-down selection for the A train post-test results of the sorbent trap check, as applicable.	Text	20		
SorbentTrapCkPreA	This is a pull-down selection for the A train pre-test results of the sorbent trap check, as applicable.	Text	20		
ProbeCkPostB	This is a pull-down selection for the B train post-test results of the probe check, as applicable.	Text	20		
ProbeCkPostA	This is a pull-down selection for the A train post-test results of the probe check, as applicable.	Text	20		
ProbeCkPreB	This is a pull-down selection for the B train pre-test results of the probe check, as applicable.	Text	20		
ProbeCkPreA	This is a pull-down selection for the A train pre-test results of the probe check, as applicable.	Text	20		

Table Name: tblRunHeader30B

Table Description: Method 30 B Header Run Data

Field Name	Field Description	Field Type	Size	Key	Required
StackTCCKPostB	This is a pull-down selection for the B train post-test results of the thermocouple check, as applicable.	Text	25		
StackTCCKPostA	This is a pull-down selection for the A train post-test results of the thermocouple check, as applicable.	Text	25		
StackTCCKPreB	This is a pull-down selection for the B train pre-test results of the thermocouple check, as applicable.	Text	25		
StackTCCKPreA	This is a pull-down selection for the A train pre-test results of the thermocouple check, as applicable.	Text	20		
LeakRtPostB	The B train post-test sampling train leak check rate. The post-test leak rate must be less than or equal to 4 percent of the average sampling rate.	Double	8		
TemperatureRunID	This is a drop down menu to select the method for determining temperature and moisture. Available selections include using calculated data from the test, using data from another manual test method or allowing manually entered data by the user.	Text	75		
GasMeterUnits	This is the units that the dry gas meter displays. The ERT limits selection to liters, cubic meters and cubic feet.	Text	15		
LeakRtPostA	The A train post-test sampling train leak check rate. The post-test leak rate must be less than or equal to 4 percent of the average sampling rate.	Double	8		
HighPointCalibration	This is the highest mass which the technician selects for calibration of the analytical instrument.	Double	8		
LeakRtPreB	The B train pre-test sampling train leak check rate. The pre-test leak rate must be less than or equal to 4 percent of the initial sampling rate.	Double	8		
SorbentTrapCkPreB	This is a pull-down selection for the B train pre-test results of the sorbent trap check, as applicable.	Text	20		
H2OHDR	This is the calculated moisture percent based upon the method selected in tsHDR unless the user selected "User Entered".	Double	8		
H2ORunID	This is the H2O run identification for the period corresponding to the time for the emissions test documented in this record. It is selected from a list of available H2O runs by the user. The user also has the option to select "User Entered".	Text	75		

Table Name: tblRunHeader30B

Table Description: Method 30 B Header Run Data

Field Name	Field Description	Field Type	Size	Key	Required
MercuryMassUnits	This field provides the metric units associated with all the reported mass values used in the sample data tab. Metric mass values available range from grams (g) to nanograms (ng).	Text	10		
ProcRunID	This is the run id of the process parameter associatied with the same time the test was performed. The user uses a drop down menu to select the process parameter which is stored in the "Process ParamID" field of table "tblProcessRunData".	Text	75		
CpHDRB	This is the train B (if used) Pitot tube coefficient which is dimensionless. The Pitot tube coefficient for an S-type Pitot can range from 0.80 to 0.88 but is usually between 0.84 and 0.864. The Cp for a standard Pitot is 0.99.	Double	8		
ExpectedMassHg	This is the mass value of Hg expected to be collected in Section 1 of the sample trap. The expected mass is used to assess the acceptability of the spike level used during the field recovery test.	Double	8		
VlcComA	This is the sample train A sum of the volume or weight of the moisture condensed in each of the impingers or otherwise measured to the nearest milliliter. In the ERT application this field is shown as "Vlc Components".	Double	8		
LowPointCalibration	This is the lowest mass which the technician selects for calibration of the analytical instrument.	Double	8		
LabReportMDL	The laboratory must establish their minimum detection limit (MDL). Method 30B requires that the MDL must be determined at least once for the analytical system using an MDL study.	Double	8		
FcHDR	The value “Fc” is the ratio of the theoretical carbon dioxide produced during combustion to the higher heating value of the fuel combusted. With carbon dioxide, the emission rate in lb/MMBtu can be calculated from wet or dry emissions concentration.	Long Integer	4		
FwHDR	The value “Fw” is the ratio of the quantity of wet effluent gas generated by combustion to the gross calorific value of the fuel. With wet oxygen and moisture concentration, the emission rate in lb/MMBtu can be calculated.	Long Integer	4		

Table Name: tblRunHeader30B

Table Description: Method 30 B Header Run Data

Field Name	Field Description	Field Type	Size	Key	Required
FdHDR	The value “Fd” is the ratio of the quantity of dry effluent gas generated by combustion to the gross calorific value of the fuel. With oxygen concentration, the emission rate in lb/MMBtu can be calculated from the dry pollutant emissions concentration.	Long Integer	4		
FuelType	This is a pull-down selection of the Fuel Type which also populates the three F-factor fields FdHDR, FwHDR and FcHDR with the values presented in Table 19-2 of EPA Method 19. In addition, the user may select “Override” and enter fuel specific F-factors.	Text	25		
VlcComB	This is the sample train A sum of the volume or weight of the moisture condensed in each of the impingers or otherwise measured to the nearest milliliter. In the ERT application this field is shown as "Vlc Components".	Double	8		
CpHDRA	This is the train A Pitot tube coefficient which is dimensionless. The Pitot tube coefficient for an S-type Pitot can range from 0.80 to 0.88 but is usually between 0.84 and 0.864. The Cp for a standard Pitot is 0.99.	Double	8		
MeterBoxB	This is the identification number of Dry Gas Meter B. The dry gas meter is the piece of hardware responsible for quantifying the volume of gas passing through the meter. The ID is necessary for calibration documentation purposes.	Text	25		
DH@HDRB	The Delta H @ (ΔH@) for sample train B. The ΔH@ is the orifice pressure differential in inches of H2O of an isokinetic sampling train meterbox (such as used for Method 5 sampling) that correlates to 0.75 cfm at 528ºR and 29.92 in Hg.	Double	8		
YHDRB	This is the dry gas meter correction coefficient, gamma, of sampling train A meterbox. In the displayed header screen, gamma is shown as "Y". The units of gamma are dimensionless.	Double	8		
DH@HDRA	The Delta H @ (ΔH@) for sample train A. The ΔH@ is the orifice pressure differential in inches of H2O of an isokinetic sampling train meterbox (such as used for Method 5 sampling) that correlates to 0.75 cfm at 528ºR and 29.92 in Hg.	Double	8		
YHDRA	This is the dry gas meter correction coefficient, gamma, of sampling train A meterbox. In the displayed header screen, gamma is shown as "Y". The units of gamma are dimensionless.	Double	8		

Table Name: tblRunHeader30B

Table Description: Method 30 B Header Run Data

Field Name	Field Description	Field Type	Size	Key	Required
ProbeA	This is the sample probe identification number. The ID is necessary for calibration documentation purposes.	Text	50		
StackTCA	This is the ID of the A thermocouple used for monitoring the stack gas temperature. The ID is necessary for calibration documentation purposes.	Text	25		
PbHDR	The barometric pressure of the sampling location. The pressure is reported in units of inches of mercury at the sampling platform. User obtained weather service pressures are adjusted for the differences in pressure due to differences in elevation.	Double	8		
ReagBoxA	This is the identification number of Control Console A. The control console is the combination of the dry gas meter, pumps, temperature controllers, manometers, etc. The ID is necessary for calibration documentation purposes.	Text	25		
ProbeB	This is the sample probe identification number. The ID is necessary for calibration documentation purposes.	Text	50		
MeterBoxA	This is the identification number of Dry Gas Meter A. The dry gas meter is the piece of hardware responsible for quantifying the volume of gas passing through the meter. The ID is necessary for calibration documentation purposes.	Text	25		
TechnicianName	This field is the name of the person that operated the equipment used to collect the sample.	Text	25		
RunDate	PK- This is the date that the test was performaned.	Date/Time	8	Primary	
RunNumber	PK- This is for the Run Number of the test. This number is assigned by the test company. Generally, the run number is an integer value which indicates the sequence order for the performance of the test method for the location.	Text	50	Primary	
JobNumber	This is the contractors project or job number. Used with the spreadsheet import.	Text	25		
Method	PK- The field identifies the method used to measure the analyte emissions. The test method was one of the user selected isokinetic or manual sampling methods which were entered in Item 2a of the Test Plan.	Text	20	Primary	
SorbentTrapCkPostB	This is a pull-down selection for the B train post-test results of the sorbent trap check, as applicable.	Text	20		

Table Name: tblRunHeader30B

Table Description: Method 30 B Header Run Data

Field Name	Field Description	Field Type	Size	Key	Required
ReagBoxB	This is the identification number of Control Console B if used. The control console is the combination of the dry gas meter, pumps, temperature controllers, manometers, etc. The ID is necessary for calibration documentation purposes.	Text	25		
AnalysisMethod	This is information to identify the method used extract, prepare and analyze the collected samples.	Text	50		
VacCkPostB	The vacuum at which the B train post sampling train leak checks was performed.	Double	8		
VacCkPostA	The vacuum at which the A train post sampling train leak checks was performed.	Double	8		
StackTCB	This is the ID of the B thermocouple used for monitoring the stack gas temperature. The ID is necessary for calibration documentation purposes.	Text	25		
VacCkPreA	The vacuum at which the A train pre sampling train leak checks was performed.	Double	8		
PgHDR	This is the static pressure (inches of water), of the sampling location. Some screens show Pstatic or Pg. Static pressure is typically measured with a Pitot tube. The value is the difference between the stack and local atmospheric pressure.	Double	8		
AnalysisTechnician	This is the name of the person operating the trap analysis equipment.	Text	50		
TrapAnalysisSource	This is the combined equipment and apparatus used to perform sample analyses. This includes any associated sample preparation apparatus e.g., digestion equipment, spiking systems, reduction devices, etc., as well as analytical instrumentation.	Text	50		
TrapManufacturer	This is the manufacturer of the sample cartridge or sleeve containing a sorbent media (typically activated carbon treated with iodine or some other halogen) with multiple sections separated by an inert material such as glass wool.	Text	50		
PercCOHDR	This is the carbon monoxide percentage which defaults to zero (0). ... not used for method 5 or 202	Double	8		
LeakRtPreA	The A train pre-test sampling train leak check rate. The pre-test leak rate must be less than or equal to 4 percent of the initial sampling rate.	Double	8		
VacCkPreB	The vacuum at which the B train pre sampling train leak checks was performed.	Double	8		

Table Name: **tblRunHeader30B**

Table Description: **Method 30 B Header Run Data**

Field Name	Field Description	Field Type	Size	Key	Required
PstdHDR	This is the standard pressure which defaults to EPA standard of 29.92 inches of mercury. When the test method performed requires the use of a different standard pressure, the user can change the “29.92” in this field to the pressure specified.	Double	8		
PercO2HDR	The oxygen percent of the gas stream tested. The pull-down to the right of the field for the O2 concentration provides access to the results of instrumental measurements of O2.	Double	8		
PercCO2RunId	This is the run id of a Method 3A test for CO2 if the users selects the CO2 run from the pull down menu.	Text	75		
Location	PK- This is the unique sampling location name, such as inlet, stack, ESP inlet, scrubber outlet, etc. which was provided during the Test Plan preparation.	Text	50	Primary	
PercO2RunId	This is the run id of a Method 3A test for O2 if the users selects the O2 run from the pull down menu.	Text	75		
tstdHDR	This is the standard temperature which defaults to EPA standard of 68 degrees F. When the test method performed requires the use of a different standard temperature, the user can change the “68” in this field to the temperature specified.	Double	8		
PercCO2HDR	The carbon dioxide percent of the gas stream tested. The pull-down to the right of the field for the CO2 concentration provides access to the results of instrumental measurements of CO2.	Double	8		

Table Name: **tblRunPoints30B**

Table Description: **Method 30 B Point Run Data**

Field Name	Field Description	Field Type	Size	Key	Required
DryGasB	RF- This is the inlet or outlet temperature of sample gas at Dry Gas Meter B, degrees F.	Double	8		Req.
Method	RF- The field identifies the method used to measure the analyte emissions. The test method was one of the user selected isokinetic or manual sampling methods which were entered in Item 2a of the Test Plan.	Text	20		Req.
SampleRateB	RF- This is the train B sampling rate, measured in the units of measure selected on the “Header Data” tab.	Double	8		Req.
DryGasA	RF- This is the inlet or outlet temperature of sample gas at Dry Gas Meter A, degrees F.	Double	8		Req.

Table Name: tblRunPoints30B

Table Description: Method 30 B Point Run Data

Field Name	Field Description	Field Type	Size	Key	Required
PumpVacA	This is train A sampling pump vacuum, measured in inches mercury.	Double	8		
PumpVacB	This is train B sampling pump vacuum, measured in inches mercury.	Double	8		
SampleRateA	RF- This is the train A sampling rate, measured in the units of measure selected on the “Header Data” tab.	Double	8		Req.
Notes	These are any observations or comments concerning the test run.	Text	255		
RunNumber	RF- This is for the Run Number of the test. This number is assigned by the test company. Generally, the run number is an integer value which indicates the sequence order for the performance of the test method for the location.	Text	20		Req.
Location	RF- This is the unique sampling location name, such as inlet, stack, ESP inlet, scrubber outlet, etc. which was provided during the Test Plan preparation.	Text	50		Req.
JobNumber	This is the contractor's project or job number. Used with the spreadsheet import.	Text	25		
EndTime	RF- This is the number of minutes of cumulative sampling time at the end of sampling at the sample point.	Double	8		Req.
TrapTempB	This is the temperature of the sampling trap B, degrees F.	Double	8		
RunDate	RF- This is the date that the test was performaned.	Date/Time	8		Req.
Clock	This is the actual local clock time at the start of sampling at a point.	Date/Time	8		
ProbeTempB	This is the temperature of the sampling probe B, degrees F.	Double	8		
ProbeTempA	This is the temperature of the sampling probe A, degrees F.	Double	8		
StackTempB	RF- This is the train B measured stack temperature of the effluent gas at the sampling point and is expressed as degrees F. The values in the stack temp are used in subsequent calculations.	Double	8		Req.
StackTempA	RF- This is the train A measured stack temperature of the effluent gas at the sampling point and is expressed as degrees F. The values in the stack temp are used in subsequent calculations.	Double	8		Req.

Table Name: **tblRunPoints30B**

Table Description: **Method 30 B Point Run Data**

Field Name	Field Description	Field Type	Size	Key	Required
OrificePresActual	Orifice pressure actually sampled or reached, measured in inches of water. The values in the "Orifice Pressure Actual" are used in subsequent calculations.	Double	8		
OrificePresDesired	This is the orifice pressure setting required for sampling isokinetically, measured by inches water.	Double	8		
Velocity	This is the velocity pressure (Δp) expressed in inches of water. Values in "ΔP" are used in the calculation of isokinetics, average delta p, velocity of gas stream and actual and standard stack gas flow.	Double	8		
GasMeterB	RF- The dry gas meter B volume reading at the beginning (or end) of the sampling at a point. This means that the final (or initial) volume reading is recorded in a row without a point label and no other recorded point data.	Double	8		Req.
Point	RF- This is the sampling point label used by the test company, such as A1, A-1, D-2, etc.	Text	8		Req.
BeginTime	This is the number of minutes of cumulative sampling time prior to the beginning of sampling at the sample point.	Double	8		
GasMeterA	RF- The dry gas meter A volume reading at the beginning (or end) of the sampling at a point. This means that the final (or initial) volume reading is recorded in a row without a point label and no other recorded point data.	Double	8		Req.
TrapTempA	This is the temperature of sampling trap A, degrees F.	Double	8		

Table Name: **tblRunLab30B**

Table Description: **Method 30 B Lab Data**

Field Name	Field Description	Field Type	Size	Key	Required
AM1f	This is used to enter an aggregate Hg Mass. Totals to AM1.	Double	8		
AM1e	This is used to enter an aggregate Hg Mass. Totals to AM1.	Double	8		
AM1c	This is used to enter an aggregate Hg Mass. Totals to AM1.	Double	8		
BM1h	This is used to enter an aggregate Hg Mass. Totals to BM1.	Double	8		

Table Name: tblRunLab30B

Table Description: Method 30 B Lab Data

Field Name	Field Description	Field Type	Size	Key	Required
AM1g	This is used to enter an aggregate Hg Mass. Totals to AM1.	Double	8		
BSpikePen	This is for backward compatilbility... this field is not used.	Yes/No	1		
BM1f	This is used to enter an aggregate Hg Mass. Totals to BM1.	Double	8		
AM1a	This is used to enter an aggregate Hg Mass. Totals to AM1.	Double	8		
AM1h	This is used to enter an aggregate Hg Mass. Totals to AM1.	Double	8		
BM1a	This is used to enter an aggregate Hg Mass. Totals to BM1.	Double	8		
BM1b	This is used to enter an aggregate Hg Mass. Totals to BM1.	Double	8		
BM1c	This is used to enter an aggregate Hg Mass. Totals to BM1.	Double	8		
BM1e	This is used to enter an aggregate Hg Mass. Totals to BM1.	Double	8		
BM1g	This is used to enter an aggregate Hg Mass. Totals to BM1.	Double	8		
AM1b	This is used to enter an aggregate Hg Mass. Totals to AM1.	Double	8		
BBreakthroughPen	This is for backward compatilbility... this field is not used.	Yes/No	1		
BM1d	This is used to enter an aggregate Hg Mass. Totals to BM1.	Double	8		
Location	PK- This is the unique sampling location name, such as inlet, stack, ESP inlet, scrubber outlet, etc. which was provided during the Test Plan preparation.	Text	50	Primary	
BM3	This is the mass determined by the analysis of the third section of sorbent trap B. The units of measure displayed after the entry fields are the units selected on the “Header Data” screen. Currently the ERT does not accommodate a three part trap.	Double	8		
PlantID	FK- This field is not used.	Text	50	Foreign	

Table Name: tblRunLab30B

Table Description: Method 30 B Lab Data

Field Name	Field Description	Field Type	Size	Key	Required
Method	PK- The field identifies the method used to measure the analyte emissions. The test method was one of the user selected isokinetic or manual sampling methods which were entered in Item 2a of the Test Plan.	Text	50	Primary	
RunNumber	PK- This is for the Run Number of the test. This number is assigned by the test company. Generally, the run number is an integer value which indicates the sequence order for the performance of the test method for the location.	Text	50	Primary	
RunDate	PK- This is the date that the test was performaned.	Date/Time	8	Primary	
ATrapID	This is the alphanumeric code for trap A as required by section 6.1.1 of Method 30B which uniquely identifies a cartridge or sleeve containing a sorbent media with two sections separated by an inert material.	Text	50		
AM1	This is the mass determined by the analysis of the first section of sorbent trap A and the inert separation material. The units of measure displayed after the date entry fields are the units selected on the paired train “Header Data” screen.	Double	8		
AM2	This is the mass determined by the analysis of the second section of sorbent trap A. The units of measure displayed after the entry fields are the units selected on the “Header Data” screen.	Double	8		
BMS	This is the mass which was spiked (added) to “Section 1” of one of the pairs of traps used for the Field Recovery Test. If the B train of this run was spiked, it would have a value entered.	Double	8		
AM3	This is the mass determined by the analysis of the third section of sorbent trap A. The units of measure displayed after the entry fields are the units selected on the “Header Data” screen. Currently the ERT does not accommodate a three part trap.	Double	8		
ABreakthroughPen	This is for backward compatilbility... this field is not used.	Yes/No	1		
ASpikePen	This is for backward compatilbility... this field is not used.	Yes/No	1		
BTrapID	This is the alphanumeric code for trap B as required by section 6.1.1 of Method 30B which uniquely identifies a cartridge or sleeve containing a sorbent media with two sections separated by an inert material.	Text	50		

Table Name: tblRunLab30B

Table Description: Method 30 B Lab Data

Field Name	Field Description	Field Type	Size	Key	Required
BM1	This is the mass determined by the analysis of the first section of sorbent trap B and the inert separation material. The units of measure displayed after the date entry fields are the units selected on the paired train “Header Data” screen.	Double	8		
BM2	This is the mass determined by the analysis of the second section of sorbent trap B. The units of measure displayed after the entry fields are the units selected on the “Header Data” screen.	Double	8		
AMS	This is the mass which was spiked (added) to “Section 1” of one of the pairs of traps used for the Field Recovery Test. If the A train of this run was spiked, it would have a value entered.	Double	8		
AM1d	This is used to enter an aggregate Hg Mass. Totals to AM1.	Double	8		

Table Name: tblRunDataITM

Table Description: Instrumental Methods Run Data

Field Name	Field Description	Field Type	Size	Key	Required
FuelType	This is a pull-down selection of the Fuel Type which also populates the three F-factor fields FdHDR, FwHDR and FcHDR with the values presented in Table 19-2 of EPA Method 19. In addition, the user may select “Override” and enter fuel specific F-factors.	Text	50		
CgasUnits	This is the measurment units (typically the same as the measured units but corrected to dry conditions).	Text	50		
Cgas	This is the calculated emissions concentration corrected for bias and drift and in the proper measurement units.	Double	8		
CavgUnits	This is the measurement units (ppmvd, ppmvw, ppbvd, %vd, %vw etc.) for Cavg.	Text	50		
Cavg	This is the Average concentration from the instrumant during the test run.	Double	8		
CalPostHDrift	This is a value calculated by the ERT and is the post run calibration high level system drift.	Double	8		
CalPostHSysBias	This is a value calculated by the ERT and is the post run calibration high level system bias.	Double	8		

Table Name: tblRunDataITM

Table Description: Instrumental Methods Run Data

Field Name	Field Description	Field Type	Size	Key	Required
CalPostHRV	This is the post run calibration high level results value and is the instrument response when challenged with the high level gas.	Double	8		
CalPostHCylID	Cylinder identification number on the gas cylinder for the post run high level calibration gas. This is populated by selecting the previously entered information from a drop down menu of the calibration cylinder informaion entered in the Test Plan.	Text	50		
CalPostZSysBias	This is a value calculated by the ERT and is the post run calibration zero bias.	Double	8		
CalPostZRV	This is the post run calibration Zero Results Value and is the instrument response when challenged with the zero gas.	Double	8		
Fd	The value “Fd” is the ratio of the quantity of dry effluent gas generated by combustion to the gross calorific value of the fuel. With oxygen concentration, the emission rate in lb/MMBtu can be calculated from the dry pollutant emissions concentration.	Long Integer	4		
CEMSLbMMBTU	This is the facilities as indicated CEMS value recorded in pounds per million British Thermal Units (BTU) and for the same time period as performed by the instrumental test method. Added 3/12	Double	8		
CalPostZDrift	This is a value calculated by the ERT and is the post run calibration zero drift.	Double	8		
CEMSLbHR	This is the facilities indicated CEMS value recorded in pounds per hour units and for the same time period as performed by the instrumental test method. Added 3/12	Double	8		
CEMSO2Corr	This is the facilities recorded O2 correction perc	Double	8		
Exclude	This is a check box for the user to indicate that the test run is to be excluded from the Performance Specification Test (PST) Relative Accuracy Test Assessment (RATA) calculation.	Yes/No	1		
ProcRunID	This is a drop down menu selection of the Process run ID documenting the process rate during the same time measurements for the reference test method. Process based emissions are the test method emission rate divided by the associated process rate.	Text	50		

Table Name: tblRunDataITM

Table Description: Instrumental Methods Run Data

Field Name	Field Description	Field Type	Size	Key	Required
MMBTUHrCERMS	This is the facilities indicated CEMS fuel combustion rate in British Thermal Units (BTU) per hour and for the same time period as performed by the instrumental test method. Added 5/11	Double	8		
FlowCERMS	This is the facilities as measured CEMS stack gas flow value recorded in the same units and for the same time period as performed by the instrumental test method. Added 5/11	Double	8		
CEMSPPM	This is the facilities as measured CEMS value recorded in parts per million (PPM) units and for the same time period as performed by the instrumental test method. Added 3/12	Double	8		
CalPreHCylID	Cylinder identification number on the gas cylinder for the pre run high level calibration gas. This is populated by selecting the previously entered information from a drop down menu of the calibration cylinder informaion entered in the Test Plan.	Text	50		
Fw	The value “Fw” is the ratio of the quantity of wet effluent gas generated by combustion to the gross calorific value of the fuel. With wet oxygen and moisture concentration, the emission rate in lb/MMBtu can be calculated.	Long Integer	4		
CalPostZCylID	Cylinder identification number on the gas cylinder for the post run zero calibration gas. This is populated by selecting the previously entered information from a drop down menu showing calibration cylinder informaion entered in the Test Plan.	Text	50		
RunStatus	added 3/6/07 - Accepted/Rejected	Text	20		
CgaswUnits	This is the measurment units (typically the same as the measured units but wet concentration basis).	Text	50		
Cgasw	This is the calculated emissions concentration corrected for bias and drift but on a wet basis.	Double	8		
Fo	This is the Fo and is the ratio of excess Oxygen and Carbon Dioxide. Calculation uses (20.9 - %O2)/%CO2. calc'd (20.9 - %O2)/%CO2	Double	8		
Fc	The value “Fc” is the ratio of the theoretical carbon dioxide produced during combustion to the higher heating value of the fuel combusted. With carbon dioxide, the emission rate in lb/MMBtu can be calculated from wet or dry emissions concentration.	Long Integer	4		
CEMSValue	This is the facilities indicated CEMS value	Double	8		

Table Name: tblRunDataITM

Table Description: Instrumental Methods Run Data

Field Name	Field Description	Field Type	Size	Key	Required
FlowRateRunID	This is a drop down menu to select the method for determining the stack flow rate. Available selections include using data from a manual test method or allowing manually entered data by the user.	Text	50		
Location	PK- This is the unique sampling location name, such as inlet, stack, ESP inlet, scrubber outlet, etc. which was provided during the Test Plan preparation.	Text	50	Primary	
Method	PK- The field identifies the method used to measure the analyte emissions. The test method was one of the user selected isokinetic or manual sampling methods which were entered in Item 2a of the Test Plan.	Text	50	Primary	
Run	PK- This is for the Run Number of the test. This number is assigned by the test company. Generally, the run number is an integer value which indicates the sequence order for the performance of the test method for the location.	Text	50	Primary	
RunDate	This is the date that the test was performaned.	Date/Time	8		
StartTime	Hour-minute-second AM/PM that run was performed. Time can be entered as 24 hour time or 12 hour time with the AM/PM extension and the time will revert to the latter time format.	Date/Time	8		
CalPreHSysBias	This is a value calculated by the ERT and is the pre run calibration high level bias.	Double	8		
Qsd	This is the calculated stack flow in dscfm based upon the method selected in FlowRateRunID. If the user selected "User Entered" the value is the number entered.	Double	8		
CalPreHDrift	Drift in Percent	Double	8		
MoisturePerc	The moisture percent of the gas stream tested. The pull-down to the right of the field for the moisture provides access to the results of instrumental measurements of moisture.	Double	8		
MoistureRunID	This is the run ID of method used for moisture (if pulled from that method)	Text	50		
PercCO2	The carbon dioxide percent of the gas stream tested. The pull-down to the right of the field for the CO2 concentration provides access to the results of instrumental measurements of CO2.	Double	8		
CO2RunID	This is the run ID of method used for CO2 (if pulled from that method)	Text	50		

Table Name: tblRunDataITM

Table Description: Instrumental Methods Run Data

Field Name	Field Description	Field Type	Size	Key	Required
PercO2	The oxygen percent of the gas stream tested. The pull-down to the right of the field for the O2 concentration provides access to the results of instrumental measurements of O2.	Double	8		
CalPreZCylID	Cylinder identification number on the gas cylinder for the pre run zero calibration gas. This is populated by selecting the previously entered information from a drop down menu showing calibration cylinder informaion entered in the Test Plan.	Text	50		
EndTime	Hour-minute-second AM/PM that run was completed. Time can be entered as 24 hour time or 12 hour time with the AM/MP extension and the time will revert to the latter time format.	Date/Time	8		
O2RunID	This is the run ID of method used for O2 (if pulled from that method)	Text	50		
CalPreZDrift	Drift in Percent	Double	8		
CalPreZRV	This is the pre run calibration Zero Results Value and is the instrument response when challenged with the zero gas.	Double	8		
CalPreHRV	This is the pre run calibration high results value and is the instrument response when challenged with the high level gas.	Double	8		
CalSet	The number assigned to the set of readings. The number used to associate this data to the data entered in “Calibrations” tab	Long Integer	4		
TimeInterval	This is the time interval between readings.	Text	50		
Readings	This is the number of readings or average number of readings for the Time Interval specified in TimeInterval.	Long Integer	4		
OperUnits	This is the units used for the operating range.	Text	25		
OperRange	This is the acceptable operating range or fluctuation of concentrations for the analytes being measured.	Double	8		
AnalyzerSN	This is the serial numbet of the Instrument Analyzer.	Text	50		
AnalyzerModel	This is the Instrument Analyzer Model.	Text	50		
AnalyzerMake	This is the Instrument Analyzer Make.	Text	50		
CalPreZSysBias	This is a value calculated by the ERT and is the pre run calibration zero level system bias.	Double	8		

Table Name: **tblRunDataITM**

Table Description: **Instrumental Methods Run Data**

Field Name	Field Description	Field Type	Size	Key	Required

Table Name: **tblCals**

Table Description: **Instrument Methods Calibration Data**

Field Name	Field Description	Field Type	Size	Key	Required
DZError	This is a value calculated by the ERT and is the Direct zero level calibration Error	Text	50		
DHCylID	Cylinder identification number on the gas cylinder for the high calibration gas. This is populated by selecting the previously entered information from a drop down menu showing all the calibration cylinder informaion originaly entered in the Test Plan.	Text	50		
DMCylID	Cylinder identification number on the gas cylinder for the mid calibration gas. This is populated by selecting the previously entered information from a drop down menu showing all the calibration cylinder informaion originaly entered in the Test Plan.	Text	50		
DlError	This is a value calculated by the ERT and is the Direct low level calibration Error	Text	50		
DLRV	This is the Direct Low Level Results Value and is the instrument response when challenged with the low level calibration gas.	Double	8		
DLCylID	Cylinder identification number on the gas cylinder for the low calibration gas. This is populated by selecting the previously entered information from a drop down menu showing all the calibration cylinder informaion originaly entered in the Test Plan.	Text	50		
DZRV	This is the Direct Zero Results Value and is the instrument response when challenged with the zero gas.	Double	8		
DZCylID	Cylinder identification number on the gas cylinder for the zero calibration gas. This is populated by selecting the previously entered information from a drop down menu showing all the calibration cylinder informaion originaly entered in the Test Plan.	Text	50		
Span	Calibration Span for this set	Double	8		
Set	PK- The number assigned by the user to the set of readings. The number is used to associate this data to the run calibration data.	Long Integer	4	Primary	

Table Name: tblCals

Table Description: Instrument Methods Calibration Data

Field Name	Field Description	Field Type	Size	Key	Required
Method	PK- The field identifies the method used to measure the analyte emissions. The test method was one of the user selected isokinetic or manual sampling methods which were entered in Item 2a of the Test Plan.	Text	50	Primary	
DMError	This is a value calculated by the ERT and is the Direct mid level calibration Error	Text	50		
Location	PK- This is the unique sampling location name, such as inlet, stack, ESP inlet, scrubber outlet, etc. which was provided during the Test Plan preparation.	Text	50	Primary	
DHRV	This is the Direct High Level Results Value and is the instrument response when challenged with the high level calibration gas.	Double	8		
DHError	This is a value calculated by the ERT and is the Direct high level calibration Error	Text	50		
SZCylID	Cylinder identification number on the gas cylinder for the zero calibration gas. This is populated by selecting the previously entered information from a drop down menu showing all the calibration cylinder informaion originaly entered in the Test Plan.	Text	50		
SZRV	This is the System Zero Results Value and is the instrument response when challenged with the zero gas.	Double	8		
SZError	This is a value calculated by the ERT and is the system zero level calibration Error	Text	50		
SHCylID	Cylinder identification number on the gas cylinder for the high calibration gas. This is populated by selecting the previously entered information from a drop down menu showing all the calibration cylinder informaion originaly entered in the Test Plan.	Text	50		
SHRV	This is the System High Level Results Value and is the instrument response when challenged with the high level calibration gas.	Double	8		
SHError	This is a value calculated by the ERT and is the system high level calibration Error	Text	50		
DMRV	This is the Direct Mid Level Results Value and is the instrument response when challenged with the mid level calibration gas.	Double	8		

Table Name: tblPSTCals

Table Description: Performance Standard Test Calibration Drift Data

Field Name	Field Description	Field Type	Size	Key	Required
Location	PK- This identifies the test location for the calibration drift data.	Text	50	Primary	
High	This is the high value for the calibration for the day.	Double	8		
Low	This is the low value for the calibration for the day.	Double	8		
Method	PK- This identifies the test method for the calibration drift data.	Text	50	Primary	
Day	PK- This identifies the day sequence for the calibration drift data.	Long Integer	4	Primary	

Table Name: tblPSTHeader

Table Description: Performance Standard Test Header Data

Field Name	Field Description	Field Type	Size	Key	Required
PPMvStandard	If specified in the applicable regulation, this is the emission limit in units of actual parts per million (PPM) by volume.	Double	8		
Lb/Hr	This is the ERT calculated emissions in pounds per hour for the concurent time period of the CEMS run.	Double	8		
Lb/MMBTU	This is the ERT calculated emissions in pounds per million BTU for the concurent time period of the CEMS run.	Double	8		
Lb/MMBTUStandard	If specified in the applicable regulation, this is the emission limit in units of pounds per million BTU.	Double	8		
Lb/HrStandard	If specified in the applicable regulation, this is the emission limit in units of pounds per hour.	Double	8		
PPM@O2Corr	If specified in the applicable regulation, this is the emission limit in units of parts per million (PPM) by volume corrected to the O2 concentration required by the emission standard.	Double	8		
O2Corr	If specified in the applicable regulation, this is the oxygen concentration for correcting the actual measured concentration.	Double	8		
RAStartDate	This is the start date for the calibration drift test.	Date/Time	8		
CDEndDate	This is the end date for the calibration drift test.	Date/Time	8		
HighCal	This is the high calibration value for the CEMS instrument.	Double	8		
LoCal	This is the low calibration value for the CEMS instrument.	Double	8		

Table Name: **tblPSTHeader**

Table Description: **Performance Standard Test Header Data**

Field Name	Field Description	Field Type	Size	Key	Required
Span	This is the span for the CEMS instrument.	Double	8		
Method	PK- This the reference test method used to assess the relative accuracy of the CEMS.	Text	50	Primary	
mmBTUToUse	This can be "CO2" or "O2" and determines which one is used for the calculations.	Text	3		
Location	PK- This is the test location for the reference test method used to assess the relative accuracy of the CEMS.	Text	50	Primary	
RAEndDate	This is the end date for the relative accuracy test audit evaluation.	Date/Time	8		

Table Name: **tblTestPlan**

Table Description: **Test Plan Data**

Field Name	Field Description	Field Type	Size	Key	Required
TestRepEmail	This is the email of the test company representative that reviewed the test plan. Added 1/30/12	Text	255		
TestSchedule	This field is a text field for the test company or the source to advise the regulatory agency of the proposed schedulet for the performance test.	Memo	0		
Comments	This field is a text field for the test company or the source to provide additional inforamtion on details of the test program.	Memo	0		
FacRepName	The person authorized to represent the facility being tested that reviewed the test plan or report.	Text	50		
FacRepEmail	This is the email of the Facility representative that reviewed the test plan. Added 1/30/12	Text	255		
FacRepTitle	The corporate title of the person authorized to represent the facility being tested.	Text	50		
FacRepCompany	The public or commercial name of the company owning the facility (i.e., the full name that commonly appears on invoices, signs, or other business documents).	Text	50		
CalibGasConcSummary	This is used for backward compatibility with old project data sets and is not used now.	Memo	0		
TestRepName	The person in the test company that reviewed the source test plan or report.	Text	50		

Table Name: tblTestPlan

Table Description: Test Plan Data

Field Name	Field Description	Field Type	Size	Key	Required
EPASampleAuditDesc	This is used for backward compatibility with old project data sets and is not used now.	Memo	0		
TestRepTitle	The corporate title of the person in the test company that reviewed the source test plan or report.	Text	50		
TestRepCompany	The public or commercial name of the test company that commonly appears on invoices, signs or other business documents.	Text	50		
FacRepSignDate	The date that the authorized person reviewed the test plan or report.	Date/Time	8		
DilutionProposedYN	This is a set of check boxes indicating if a Method 205 dilution system for calibration gases will be used. 1=Yes, 2=No, 3=NA	Text	1		
CalibGasCertProcedure	The text box contains an explanation for any negative response or supplementary detail for certification per EPA Traceability Protocol procedures.	Memo	0		
CalibGasCertifiedYN	This checkbox indicates whether or not all calibration gases have a valid certification per EPA Traceability Protocol procedures. 1=Yes, 2=No, 3=NA	Text	1		
EqupCalibrationYN	This checkbox indicates whether or not all testing equipment been calibrated within the past 12 months.	Yes/No	1		
EPASampleAuditYN	This checkbox indicates whether or not audit samples are required.	Yes/No	1		
OxygenConcDet3or3a	This is a drop down menu to select the method used to determine the gas molecular weight, oxygen concentration or carbon dioxide concentration. Selection options include Method 3 or Method 3A	Text	40		
OxygenConcDetYN	This is used for backward compatibility with old project data sets and is not used now.	Yes/No	1		
CyclonicFlowDesc	This field is for summary information on the documentation of the presence or absence of cyclonic flow and what the test company did to correct the issues that precludes collecting a represenative sampld.	Memo	0		
CyclonicFlowYN	This field is for the user to indicate the availability of documentation on the presence or absence of cyclonic flow.	Yes/No	1		

Table Name: tblTestPlan

Table Description: Test Plan Data

Field Name	Field Description	Field Type	Size	Key	Required
MeetMinReq	This field is for the user to explain why the methods used at the sampling location provide a representative sample and document any approval, as applicable.	Memo	0		
MeetMinReqYN	This checkbox indicates whether the test location meets Method 1 criteria.	Yes/No	1		
TestRepSignDate	The date that the authorized person for the test company reviewed the test plan or report.	Date/Time	8		
HrsPerYear	Normal hours the facility operates in a year. Added 6/8/2011	Long Integer	4		
EquipCalibrationDesc	The text box contains an explanation for any negative response for equipment not being calibrated within 12 months..	Memo	0		
TRTestRepTitle	This is the title of the Test Companies Representative that performed the Final Test Report Verification. Added 9/20/05	Text	50		
PDSiDDate	This is the date which the PDS ID was originally assigned to this file. Added 4/14	Date/Time	8		
PDSiD	This is an alphanumeric value assigned by the ERT to provide a unique indicator for this electronic report to differentiate this report from all other submitted reports. Added 4/14	Text	40		
OpenExpandedQAQ	This is a check box field which is used to open the visible Completeness and Quality Assessment Review pages to full screen or the colapse it to a smaller size. Added 3/20/13	Yes/No	1		
OpenExpandedPD	This is a check box field which is used to open the visible process data entry page to full screen or the colapse it to a smaller size. Added 3/13/13	Yes/No	1		
OpenExpandedTR	This is a check box field which is used to open the visible regulatory agency test report review page to full screen or the colapse it to a smaller size. Added 3/1/13	Yes/No	1		
OpenExpandedSA	This is a check box field which is used to open the visible test plan review page to full screen or the colapse it to a smaller size. Added 2/21/13	Yes/No	1		
OpenExpandedRun	This is a check box field which is used to open the visible run data page to full screen or the colapse it to a smaller size. Added 2/21/13	Yes/No	1		
OpenExpanded	This is a check box field which is used to open the test plan visible page to full screen or the colapse it to a smaller size. Added 2/19/13	Yes/No	1		

Table Name: tblTestPlan

Table Description: Test Plan Data

Field Name	Field Description	Field Type	Size	Key	Required
TestCoProjNum	The assigned project number for the testing project by the test. Added 10/19/11 - nj request	Text	25		
StateFacID	The state identification number as provided by a state air pollution control agency. Added 10/19/11 - nj request	Text	25		
RATA	This is a checkbox indicating that the purpose of the test was to satisfy a regulatory requirement to perform a Relative Accuracy Test Audit comparing installed Continuous Emissions Monitiring results with results of a reference test method.	Yes/No	1		
TRTestRepSignDate	This is the date that the Test Companies Representative performed the Final Test Report Verification. Added 9/20/05	Date/Time	8		
TestInAccordanceDesc	This field is for summary details about the test method used which are not readily available. Information included include modifications and/or alternative methods used. Attachments with greater detail are suggested to supplement the summary informaion.	Memo	0		
PPE	This field is a text field for the test company or the source to provide inforamtion on details of the personal protective equipment that would be needed for the test program.	Memo	0		
TRTestRepCompany	This is the name of the Company that employs the Test Companies Representitive that performed the Final Test Report Verification. Added 9/20/05	Text	50		
TRTestRepEMail	This is the email address of the Test Companies Representitive that performed the Final Test Report Verification. Added 1/30/12	Text	50		
TRTestRepName	This is the name of the Test Companies Representative that performed the Final Test Report Verification. Added 9/20/05	Text	50		
TRFacRepSignDate	This is the date that the Permitted Facilities Representative performed the Final Test Report review and verified that the report was true, accurate and complete. Added 9/20/05	Date/Time	8		
TRFacRepTitle	This is the title of the Permitted Facilities Representative that performed the Final Test Report Verification. Added 9/20/05	Text	50		
TRFacRepCompany	This is the name of the Company that employs the Permitted Facilities Representitive that performed the Final Test Report Verification. Added 9/20/05	Text	50		

Table Name: tblTestPlan

Table Description: Test Plan Data

Field Name	Field Description	Field Type	Size	Key	Required
TRFacRepEmail	This is the email address of the Permitted Facilities Representative that performed the Final Test Report Verification. Added 1/30/12	Text	50		
TRFacRepName	This is the name of the Permitted Facilities Representative that performed the Final Test Report review and verified that the report was true, accurate and complete. Added 9/20/05	Text	50		
AFSid	EPA AIRS Facility System (AFS) number. added 9/8/05	Text	25		
TesterComments	This is used for backward compatibility with old project data sets and is not used now.	Memo	0		
AgencyComments	This is used for backward compatibility with old project data sets and is not used now.	Memo	0		
SCC	RF- The eight digit Source Classification Code (SCC) is selected through the use of the “Select SCC from list” button. Added 1/19/06	Text	11		Req.
FacZip	RF- The mailing zip code in which the facility resides.	Text	50		Req.
TestCoCity	RF- The state in which the source test company resides.	Text	50		Req.
TestCoAddress2	This is the continuation line for the physical address of the test company.	Text	50		
TestCoAddress1	RF- The standard address used to send mail to an individual with the source test company.	Text	50		Req.
TestCoAddressFull	This is used for backward compatibility with old project data sets and is not used now.	Memo	0		
TestCoName	RF- The public or commercial name that commonly appears on invoices, signs or other business documents.	Text	50		Req.
TestInAccordanceYN	This is used for backward compatibility with old project data sets and is not used now.	Yes/No	1		
FacLatitude	RF- Latitude of emission release point (typically the stack), with a minimum of 5 decimal places.	Text	50		Req.
ApplRegs	This is used for backward compatibility with old project data sets and is not used now.	Memo	0		
FacIndustryType	North American Industry Classification System numerical identifier. The digits designate the economic sector, the subsector, the industry group, the NAICS industry, and the national industry.	Text	100		

Table Name: tblTestPlan

Table Description: Test Plan Data

Field Name	Field Description	Field Type	Size	Key	Required
FacEmail	RF- A working email address of the contact which can be used to assist the reviewers.	Text	50		Req.
FacFax	The facsimile number of the facility through which the contact can assist the reviewers.	Text	50		
TestCoState	RF- The two letter state and mailing zip code of the source test company.	Text	50		Req.
FacPOC	RF- The person with knowledge of the facility's operations during the test program who can assist reviewers of the test plan or test report if they have questions.	Text	50		Req.
FacLongitude	RF- Longitude of emission release point (typically the stack), with a minimum of 5 decimal places.	Text	50		Req.
FacState	RF- The two letter state and mailing zip code in which the facility resides. Use the drop down menu to select the two letter postal code for the State.	Text	50		Req.
FacCounty	RF- The county or parish in which the facility is located. Use the drop down menu to select the county. These will be available after the postal code for the State is selected. Added 1/30/12	Text	50		Req.
FacCity	RF- The city in which the facility resides.	Text	50		Req.
FacAddress2	This is the continuation line for the physical address of the facility.	Text	50		
FacAddress1	RF- The address that describes the physical (geographical) location of the front door or main entrance of a facility site, including urban-style street address or rural address.	Text	50		Req.
FacAddressFull	This is used for backward compatibility with old project data sets and is not used now.	Memo	0		
FacName	RF- The public or commercial name of the facility site (i.e., the full name that commonly appears on invoices, signs, or other business documents).	Text	50		Req.
TestPlanTitle	RF- This is the title chosen by the test company or tested facility for the test program.	Text	100		Req.
TestPlanDate	RF- The date which the test report was initially created. This date may be associated with the test plan preparation.	Date/Time	8		Req.
TestPlanNumber	This field is for backwards compatibility and is not used now.	Text	50		
TestPlanID	PK- This is a unique ID for the Testplan record.	AutoNumber	4	Primary	

Table Name: tblTestPlan

Table Description: Test Plan Data

Field Name	Field Description	Field Type	Size	Key	Required
FacPhone	RF- The phone number of the contact or the facility.	Text	50		Req.
Section114	This is a checkbox indicating that the purpose of the test was to satisfy a requirement under Section 114 of the Clean Air Act to perform the emission test.	Yes/No	1		
SampLocDesc	This is used for backward compatibility with old project data sets and is not used now.	Memo	0		
SourceDesc	In this text box the user provides a summary description of the source, a description of the control equipment.	Memo	0		
HowDataDocumented	This is used for backward compatibility with old project data sets and is not used now.	Memo	0		
OtherRegPurposeDesc	List the secondary reasons for performing this emissions test.	Memo	0		
FINS	RF- EPA Facility Registry System number (FRS) is a twelve digit number. The FRS number is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest.	Text	50		Req.
TestCoZip	RF- The mailing zip code of the source test company.	Text	50		Req.
StateRule	This is a checkbox indicating that the purpose of the test was to satisfy a regulatory emission limit requirement in a State Rule.	Yes/No	1		
TestPurpose	This text box is to provide additional information on the purpose for the test. The text box may also contain information on those pollutants that are of primary interest, DQO's, DQI's, and criteria to determine if the test program met the DQO's.	Memo	0		
SIP	This is a checkbox indicating that the purpose of the test was to satisfy a regulatory emission limit requirement in a State Implementation Plan.	Yes/No	1		
NSRPSD	This is a checkbox indicating that the purpose of the test was to satisfy a regulatory emission limit requirement in a New Source Review or Prevention of Significand Deterioration Permit.	Yes/No	1		
Part65	This is a checkbox indicating that the purpose of the test was to satisfy a regulatory emission limit requirement in 40CFR Part 65.	Yes/No	1		
Part63	This is a checkbox indicating that the purpose of the test was to satisfy a regulatory emission limit requirement in 40CFR Part 63.	Yes/No	1		

Table Name: tblTestPlan

Table Description: Test Plan Data

Field Name	Field Description	Field Type	Size	Key	Required
TestCoFax	RF- The facsimile number of the source test company through which the contact can assist the reviewers.	Text	50		Req.
TestCoPOC	RF- The person with knowledge of the design and conduct of the source test program.	Text	50		Req.
Other	This is a checkbox indicating that there was some other purpose for the test than one of the other check boxes.	Yes/No	1		
TestCoPhone	RF- The phone number of the source test company through which the contact can assist the reviewers.	Text	50		Req.
Part61	This is a checkbox indicating that the purpose of the test was to satisfy a regulatory emission limit requirement in 40CFR Part 61.	Yes/No	1		
TestCoEmail	RF- A working email address through which the contact can assist the reviewers.	Text	50		Req.
AirPermitNumber	State or Federal Permit Number.	Text	50		
Part60	This is a checkbox indicating that the purpose of the test was to satisfy a regulatory emission limit requirement in 40CFR Part 60.	Yes/No	1		
PermittedSourceID	This is the official State ID number of the emission source as listed in the Title 5 permit. Many state and local agencies have alphanumeric identifiers for individual process operating units with an associated name describing the unit.	Text	50		
PermittedMaxProcessRate	Permitted Maximum Process Rate as listed in Title V or state permit.	Text	50		
MaxNormalOpRate	Maximum Normal Operation Process Rate as listed in Title V or state permit.	Text	50		
TargetProcessTestRate	Value of the target process rate for the test program.	Text	50		
PermittedSourceName	This is the official name of the emission source as listed in the Title 5 permit. Many state and local agencies have alphanumeric identifiers for individual process operating units with an associated name describing the unit.	Text	50		

Table Name: **tblEmisConcs**

Table Description: **Emission Concentrations selected for this test**

Field Name	Field Description	Field Type	Size	Key	Required
Method	PK- This is the test method at this test location that the emission concentratio indicated in this record is to be applied.	Text	50	Primary	
ProcessUnits	This is the units associated with the process parameter. It is typically a mass value per unit of time. The user has been advised that the time unit must be the same as the time unit for the calculated emission rate.	Text	50		
ProcessParam	This is the Process Parameter selected by the user when a process based emission is to be calculated. A process parameter is selected only in conjunction with an emission rate (i.e. lb/hr or grams/minute).	Text	75		
ProcessParamID	FK- This is the process parameter Foreign Key which is to be used to generate a process based emission value. This process parameter is associated with an emission rate with the same time denominator as the one used for the process parameter.	Long Integer	4	Foreign	
CorrPerc	PK- This is the oxygen or carbon dioxide concentration value to which the concentration is to be corrected for air dilution.	Double	8	Primary	
Location	PK- This is the test location that the emission concentration indicated in this record.is to be applied.	Text	50	Primary	
EmisConc	PK- This is the basic units of measurement (emission or Concentration) to be applied to the test method at the test location specified in this record.	Text	50	Primary	
CorrAnal	PK- This is the compound (O2 or CO2) which should be used to correct for dilution with air the basic emission concentration indicated in this record.	Text	5	Primary	

Table Name: **tblLocation**

Table Description: **Sample Locations selected for this test**

Field Name	Field Description	Field Type	Size	Key	Required
ACFM	This is an estimated volume rate (cubic feet per minute) of the stack gas. This value is used in the Test Plan Review to assess the proposed sampling volume, time and analytical finish.	Long Integer	4		

Table Name: tblLocation

Table Description: Sample Locations selected for this test

Field Name	Field Description	Field Type	Size	Key	Required
VdwnStreamDist	For ducts less than 12 inches in diameter, this is the distance in inches to the nearest downstream (toward the exit point or with the gas flow) disturbance in the gas flow.	Long Integer	4		
Controlled	This check box field indicates whether this location is after a control device which would affect the emissions.	Yes/No	1		
AssumedMoisturePct	This is an estimated moisture of the stack gas. This value is used in the Test Plan Review to assess the proposed sampling volume, time and analytical finish.	Single	4		
AssumedStackO2Pct	This is an estimated oxygen concentration of the stack gas. This value is used in the Test Plan Review to assess the proposed sampling volume, time and analytical finish.	Single	4		
InletOutlet	This check box field indicates whether this location is before or after a control device which would affect the emissions.	Text	50		
NPTraverse	This check box field indicates whether the sampling methodologies used for this test location are for a pollutant that is particulate form or is a gas or vapor form.	Yes/No	1		
VUpStreamDist	For ducts less than 12 inches in diameter, this is the distance in inches to the nearest upstream (toward the emission source or counter to the gas flow) disturbance in the gas flow.	Long Integer	4		
NumPoints	This is the number of sample collection points. This value can be calculated by the ERT based upon the diameter (equivalent diameter), the upstream distance, the downstream distance and the type of traverse (particulate or non particulate).	Long Integer	4		
DuctDiam	If the test location is a circular duct or stack, the tester or facility will provde the diameter of the duct in inches in this field. This field will be blank if the duct or stack is rectangular.	Double	8		
Temp	This is an estimated temperature (F) of the stack gas. This value is used in the Test Plan Review to assess the proposed sampling volume, time and analytical finish.	Long Integer	4		
Location	PK- RF- This is the name of the test location as entered by the source tester or facility	Text	50	Primary	Req.

Table Name: **tblLocation**

Table Description: **Sample Locations selected for this test**

Field Name	Field Description	Field Type	Size	Key	Required
DuctLength	If the test location is a rectangular duct or stack, the tester or facility will provde the length of the duct in inches in this field. This field will be blank if the duct or stack is circular.	Double	8		
DuctWidth	If the test location is a rectangular duct or stack, the tester or facility will provde the width of the duct in inches in this field. This field will be blank if the duct or stack is circular.	Double	8		
EquivDiam	If the test location is a rectangular duct or stack and both the duct length and width is available, the equivalent diameter of the duct will be calculated using equation Equation 1-1 in Section 12.2 of Method 1 and entered in this field.	Double	8		
UpStreamDist	This is the distance in inches to the nearest upstream (toward the emission source or counter to the gas flow) disturbance in the gas flow.	Double	8		
NumTravPorts	This is the number of access holes (Ports) in the duct or stack which are available to insert the sampling equipment.	Long Integer	4		
DwnStreamDist	This is the distance in inches to the nearest downstream (toward the exit point or with the gas flow) disturbance in the gas flow.	Double	8		
TestPlanID	FK- This number provides a link to tbltestplan.	Long Integer	4	Foreign	

Table Name: **tblMethodParams**

Table Description: **Methods and Target Parameters selected for this test**

Field Name	Field Description	Field Type	Size	Key	Required
Group	8/11/11 keeps isISO..... for custom methods	Text	10		
Comments	This is a comment by the user on the proposed performance of the test method at the test location.	Memo	0		
Molwt	This is the molecular weight of the custom pollutant identified by the user. This field was added 10/10/11.	Double	8		
CAS	This is the CAS Registry Number provided by the user for custom pollutants.The number is a unique identifier assigned by Chemical Abstracts Service (CAS) to every chemical substance. It was added 8/5/11	Text	40		

Table Name: **tblMethodParams**

Table Description: **Methods and Target Parameters selected for this test**

Field Name	Field Description	Field Type	Size	Key	Required
LbHrLimit	added 5/13/11 for outlet QA calculations - 10/29/12 not used, now with emisconc	Double	8		
Compliance	added 9/29/05 - Yes/No/Indeterminate - says if it demonstrates compliance or not	Text	20		
TestRunDuration	This is the proposed sampling duration for the test method at the test location.	Long Integer	4		
NumTestRuns	This is the number of test runs of the test method which are proposed for the test series at the test location.	Long Integer	4		
TestMethod	PK- RF- This is the test method which will be used to quantify the target pollutant at the sample location.	Text	50	Primary	Req.
TargetPoll	PK- RF- This is the pollutants which is intended to be measured during the test program.	Text	50	Primary	Req.
TestPlanID	FK- This number provides a link to tbltestplan.	Long Integer	4	Foreign	
Location	PK- RF- This is the sample location as entered in the "Location" area of the test plan.	Text	50	Primary	Req.
NumSampPoints	This is the number of samplng points which were identified in the test plan sampling location page.	Long Integer	4		

Table Name: **tblProcessParams**

Table Description: **Target Process Parameters selected for this test**

Field Name	Field Description	Field Type	Size	Key	Required
ACTION	RF- This is the action performed on the process material (for example the term "Burned" in "Tons of Coal Burned per hour") Added 1/16/07 for EF factor	Text	20		Req.
UDesc	This is user comments which are entered on the SCC selection tab. Added 1/23/06 How they came up with the U factor	Memo	0		
PollUnit	RF- This is the combination of the Pollutant Units of emission per Time Unit and is present only for Process Parameter ID number 1. Added 1/23/06	Text	25		Req.
TimeUnit	RF- This is the unit of time for the emissions measurement (for example the term "hour" in "Tons of Coal Burned per hour"). For consistency user is told to select the same process paramete time units as the calculated emission time units. Added 1/23/06	Text	25		Req.

Table Name: tblProcessParams

Table Description: Target Process Parameters selected for this test

Field Name	Field Description	Field Type	Size	Key	Required
POLL_UNIT	RF- This is the mass units of measurement for the pollutant emissions. Added 1/16/07 for EF factor	Text	10		Req.
U	added 1/23/06 +/- U factor This field does not appear in the current "Permit/SCC" tab of the Test Plan.	Long Integer	4		
MATERIAL	RF- This is the name of the process material described in the parameter (for example the term "Coal" in "Tons of Coal Burned per hour"). Added 1/16/07 for EF factor	Text	40		Req.
TargetLow	The Target Low is the lower bound value of the expected range for the Units of Measure of Process Parameter.	Double	8		
MEASURE	RF- This is the process parameter measurement unit (eg. the term "Tons" in "Tons of Coal Burned per hour"). In an emission factor or a process based emission value, the measure rate is divided into the pollutant mass rate. Added 1/16/07 for EF factor	Text	35		Req.
ProcessParamID	PK- This is the numerical sequence of the process parameters. The value 1 is assigned to the process parameter associated with the SCC. When the SCC has existing default parameters the parameters in the first record are set.	AutoNumber	4	Primary	
comments	This is user comments which are entered on the Process Parameter tab.	Memo	0		
TargetValue	The Target Value is the upper bound value of the expected range for the Units of Measure of Process Parameter.	Double	8		
UOM	This is the "Unit of Measure" for the Process Material. It is the combination of the "Measure" for the Process parameter (typically weight, energy or volume) per the a "Time Unit" (for example Tons per hour, cubic feet per hour).	Text	50		
TargetParam	The Target Parameter is shown on the SCC selection tab and is the default denominator for the Emission Factor associated with the SCC. It is presented on the first line of the Process Data area as the combination of the Material and Action.	Double	8		
Name	The Name is a concatenation of the Material and Action (for example Coal Burned)	Text	75		
TestPlanID	FK- This number provides a link to tbltestplan.	Long Integer	4	Foreign	

Table Name: **tblProcessParams**

Table Description: **Target Process Parameters selected for this test**

Field Name	Field Description	Field Type	Size	Key	Required
SCC	This is the SCC which is selected on the SCC tab from a multi stage drop down list and is only present for Process Parameter ID number 1. Added 1/23/06	Text	11		

Table Name: **tblRegs**

Table Description: **Regulatory Limit Data**

Field Name	Field Description	Field Type	Size	Key	Required
Compliance	not used	Text	25		
ProcessUnits	not used	Text	50		
ProcessParam	not used	Text	75		
Part_SubPart	This is text from a drop down list of 40CFR60 and 40CFR63 regulations.	Text	30		
ProcessParamID	not used	Long Integer	4		
Limit	This field is the numerical value for the regulatory limit for the compound and units of measure selected by the user.	Double	8		
RegDesc	This is text provided by the user to describe either supplementary information providing more detail than the citation of the regulation or providing the regulatory citation and details of an applicable regulation for a non part 60 or 63 regulation.	Text	150		
Unit	This is text from a drop down list of emissions units for compounds which were previously entered by the selection in the test methods and concentrations area.	Text	50		
Compound	This is text from a drop down list of compounds which were previously entered by the selection in the test methods and concentrations area.	Text	50		

Table Name: **tblProcessLab**

Table Description: **Process Parameter Lab Data**

Field Name	Field Description	Field Type	Size	Key	Required
ProcessLabID	PK- This is the numerical identifier for the Process Lab Parameter.	AutoNumber	4	Primary	
TestPlanID	FK- This number provides a link to tbltestplan.	Long Integer	4	Foreign	

Table Name: **tblProcessLab**

Table Description: **Process Parameter Lab Data**

Field Name	Field Description	Field Type	Size	Key	Required
Name	This is the name of the Process Lab Parameter	Text	75		
UOM	This is the unit of measure for the parameter.	Text	15		
comments	This is a comment on the process parameter or unit of measure.	Memo	0		

Table Name: **tblAPCDParams**

Table Description: **Air Pollution Control Devices**

Field Name	Field Description	Field Type	Size	Key	Required
tblAPCDParamID	PK- This is the numerical identifier for this air pollution control device.	AutoNumber	4	Primary	
ptb	This is used for backward compatibility with old project data sets and is not used now.	Text	50		
comments	This is a comment field for the user to provide more details on the design or operation of the air pollution control or the Target Parameter used to characterize the controls performance.	Memo	0		
TargetValue	This is the pre test prospective value of the target parameter in the units of measure which is expected to be achieved during the emission test.	Double	8		
UOM	This is the units of measure for the target parameter identified in UOM.	Text	50		
TargetParam	This is the name of an operating parameter which provides an indication of the effectiveness of the operation of the identified control device.	Double	8		
TestPlanID	FK- This number provides a link to tbltestplan.	Long Integer	4	Foreign	
location	FK- This is the test location which the named APDC is associated.	Text	50	Foreign	
APCDName	RF- This is the text identifier of one or more general installed air pollution control devices. The user may select one of the standard control devices in apptblContoEquip or another name of a control not on that list.	Text	75		Req.

Table Name: tblAPCDRunData

Table Description: Air Pollution Control Device run data

Field Name	Field Description	Field Type	Size	Key	Required
Comment	This is a text field for additional run specific information on the operation of the control device or the measured parameter value.	Memo	0		
Value	This is the numerical value of the process variable identivied in tblAPCDParams.	Double	8		
APCDParamID	PK- This is the numerical identifier as indicated in tblAPCDParams for this air pollution control device. It is a link to tblAPCDParams	Long Integer	4	Primary	
Run	PK- This is the numerical identifier for the process run number for the measured value. The run numbers used would be associated with the test runs.	Long Integer	4	Primary	

Table Name: tblAttachments

Table Description: Attached documents to support this test

Field Name	Field Description	Field Type	Size	Key	Required
keep	This is used for backward compatibility with old project data sets and is not used now.	Yes/No	1		
AttachID	PK- This is an ID number for the description of the attachments for the test report. Attachment ID numbers below 50 are used for established fixed documentation areas. Attachment ID numbers above 50 are supplementary types provided by the user.	AutoNumber	4	Primary	
TestPlanID	FK- This number provides a link to tbltestplan.	Long Integer	4	Foreign	
AttachDesc	This is a description of the type of documentation filed in the area covered by these attachments. Descriptions for ID numbers below 50 are set and not changeable.	Text	120		
Filename	This is used for backward compatibility with old project data sets and is not used now.	Text	100		
xfile	This field has an indicator of the number of attachments in this record. When selected, this field opens a menu which contains the names of the files that the user attached to the documentation area described in AttachDesc.	Attachment	4		

Table Name: tblCylInv

Table Description: Inventory of test gas cylinders

Field Name	Field Description	Field Type	Size	Key	Required
CertDate	This is the date which the gas provider certified the concentration of the gas contained in the cylinder.	Date/Time	8		
UncertainPercent	This is the uncertainty associated with the certification value for the gas. It may be the required uncertainty for the specific procedure or a value assigned by the vendor.	Double	8		
CertValue	This is the numerical value of the concentration of the gas contained in the cylinder. This value will be used by the ERT to compare with the measured values during calibration.	Double	8		
CertProcedure	This is the certification procedure used by the gas provider to verify the concentration of the gas in the cylinder and indicated in the provided paperwork.	Text	50		
CylID	PK- This is a unique identifier provided for the specific calibration gas cylinder and gas. EPA guidance is to use the cylinder ID on the gas certificate supplemented by the specific gas identifier for multicomponent gasses.	Text	50	Primary	
ExpDate	This is the date which the certification expires on the certificate of the concentration of the gas contained in the cylinder.	Date/Time	8		
Compound(Analyte)	This is the specific gas compound for which this certified value will be used to calibrate an instrument.	Text	50		

Table Name: tblProcessLabRun

Table Description: Process Parameter Lab Run Data

Field Name	Field Description	Field Type	Size	Key	Required
Comment	This is a comment on the process parameter collection, measurement or analysis.	Memo	0		
Value	This is the value in the units of measure described in the test plan record.	Double	8		
Run	PK- This is the Run number for the Process Lab analysis.	Long Integer	4	Primary	
ProcesslabID	PK- This is the Process Lab ID which this record is one of the runs. It provides a link to tblProcessParams	Long Integer	4	Primary	

Table Name: **tblProcessRunData**

Table Description: **Process Parameter Run Data**

Field Name	Field Description	Field Type	Size	Key	Required
ProcessParamID	PK- This is the numerical Process Parameter ID assigned in the Process Parameter during the preparation of the Test Plan. Links to tblProcessParams	Long Integer	4	Primary	
Run	PK- This is the numerical Run number for the Process Parameter. For Emission Factor development and for process parameter based emissions, the process parameter runs are associated with emission test runs.	Long Integer	4	Primary	
Value	This is the numerical value for the rate which the Action on the Process Parameter is occuring during the run.	Double	8		
Comment	This is user comments on the some aspect of process parameter run.	Memo	0		

Table Name: **tblComments**

Table Description: **Observer, Test Reviewer, and Tester Comments**

Field Name	Field Description	Field Type	Size	Key	Required
FieldID	PK- This is the field name for the type of comment. Currently there are three fields which are available for users or reviewers to provide comments on the overall test report. These are Observer (State agency), Test Reviewer (test company) and Tester.	Text	50	Primary	
Comment	This is the text provided by the user identified in FieldID.	Memo	0		

Table Name: **tblStateQA**

Table Description: **Regulatory Test Plan Review Data**

Field Name	Field Description	Field Type	Size	Key	Required
TesterComments	This is used for backward compatibility with old project data sets and is not used now.	Text	5		
EPASampleAuditYN	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Audit Samples area (12) is acceptable, requires revision or is not applicable for the test plan.	Text	5		

Table Name: tblStateQA

Table Description: Regulatory Test Plan Review Data

Field Name	Field Description	Field Type	Size	Key	Required
EqupCalibrationYN	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Equipment Calibration area (13) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
CalibGasCertifiedYN	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Calibration Gas Certification area (14) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
DilutionProposedYN	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Dilution probe area (15) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
Gas	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Calibration Gas list area (16) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
TestSchedule	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Test Schecule area (17) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
Comments	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Additional Comments area (18) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
FacRepName	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Facility Review Signature area is acceptable, requires revision or is not applicable for the test plan.	Text	5		
TestRepName	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Test Company Review Signatue area is acceptable, requires revision or is not applicable for the test plan.	Text	5		
OxygenConcDet3or3a	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Molecular Weight determination area (11) is acceptable, requires revision or is not applicable for the test plan.	Text	5		

Table Name: tblStateQA

Table Description: Regulatory Test Plan Review Data

Field Name	Field Description	Field Type	Size	Key	Required
AgencyComments	This is used for backward compatibility with old project data sets and is not used now.	Text	5		
TargetParam	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Sampling Method, Pollutants measured, test runs and durating area is acceptable, requires revision or is not applicable for the test plan.	Text	5		
Attachments	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Attachments area is acceptable, requires revision or is not applicable for the test plan.	Text	5		
PPE	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Personal Protective Equipment area (19) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
Process	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Process area (4a) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
TestPlanID	PK- This number provides a link to tbltestplan.	Long Integer	4	Primary	
FacName	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Facility Information area is acceptable, requires revision or is not applicable for the test plan.	Text	5		
TestCoName	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Test Company Information area is acceptable, requires revision or is not applicable for the test plan.	Text	5		
PermittedSourceID	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Permit and Source ID area is acceptable, requires revision or is not applicable for the test plan.	Text	5		
TestPurpose	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Purpose area (1) is acceptable, requires revision or is not applicable for the test plan.	Text	5		

Table Name: tblStateQA

Table Description: Regulatory Test Plan Review Data

Field Name	Field Description	Field Type	Size	Key	Required
MeetMinReqYN	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Method 1 Acceptability area (9) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
OtherRegPurposeDesc	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Other Regulatorty Purposes area (3) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
CyclonicFlowYN	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Cyclonic flow area (10) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
ProcessLab	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Process Lab area (4b) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
SourceDesc	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Source Description area (5a) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
APCD	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Air Pollution Control Device area (5b) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
Location	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Sampling Location area (6) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
EmisCon	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Emissions Concentrations area (7b) is acceptable, requires revision or is not applicable for the test plan.	Text	5		
TestInAccordanceDesc	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Alternative Methods area (8) is acceptable, requires revision or is not applicable for the test plan.	Text	5		

Table Name: **tblStateQA**

Table Description: **Regulatory Test Plan Review Data**

Field Name	Field Description	Field Type	Size	Key	Required
ApplRegs	This check box is used by State agency reviewers to indicate whether the information provided in the test plan Applicable Regulations area (2) is acceptable, requires revision or is not applicable for the test plan.	Text	5		

Table Name: **tblStateQACmts**

Table Description: **Regulatory Test Plan Review Comments**

Field Name	Field Description	Field Type	Size	Key	Required
Accepted	This field is the result of the acceptability check box for the area described by the Field ID. PAUL - I selected Yes, No and N/A and there was no change in the values shown in the "Accepted" field.	Text	1		
Comment	This field is the comments by the State Agency Reviewer on the area described by the Field ID.	Memo	0		
SortID	This is the sequence number for the Field ID.	Long Integer	4		
testPlanID	FK- This number provides a link to tbltestplan.	Long Integer	4	Foreign	
TestPlanSection	This is the alphanumeric ID for the test plan area which the record associated with thid field ID covers.	Text	30		
FieldID	This is text describing the area of the test plan which the record associated with this field ID covers.	Text	30		

Table Name: **apptblQAQs**

Table Description: **Table that holds the Quality Assurance Questions used for the test report**

Field Name	Field Description	Field Type	Size	Key	Required
Nval	Value for No answer	Long Integer	4		
AnsField	field to check	Text	255		
ERTCheck	calculation for answering ERT questions	Text	255		
RefrLink	link to web reference	Hyperlink	0		

Table Name: **apptblQAQs**

Table Description: **Table that holds the Quality Assurance Questions used for the test report**

Field Name	Field Description	Field Type	Size	Key	Required
DataLink	link to data in ERT	Text	255		
DataType	Attach=attachment; Qry = query; frm = Form; .... used with Showdata to show data related to the question	Text	10		
SortID	master question number	Double	8		
RevType	Review type (ERT or 3rd Party)	Text	10		
AnsTable	table to check	Text	255		
Y2val	Value to add if ERT ans is no and 3rd ans is yes. on yes, adds to yes value	Long Integer	4		
Yval	Value for Yes answer	Long Integer	4		
Question	Question	Memo	0		
LinkID	links Reg to Completeness	Long Integer	4		
QID	Unique ID for this record	Long Integer	4		
QuestType	Question type: All; Manual Test Method (MTM); Instrumental Test Method (ITM); Lab; Other (OTH)	Text	10		

Table Name: **tblQAQAns**

Table Description: **Quality Assurance Question Answers**

Field Name	Field Description	Field Type	Size	Key	Required
Comment	Ths is a text field which the reviewer may provide comments with respect to the review of the area described by the quality assessment question.	Memo	0		
QID	PK- This is the ID number of the quality assessment question.	Long Integer	4	Primary	
Answer	This is a drop down response for the reviewers assessment on whether the available documentation demonstrates that the test meets the required specifications for the question area. Available responses include Blank (no selection), Yes, No and N/A.	Text	5		

Table Name: **tblEFLink**

Table Description: **Table for the Emission Factor Export**

Field Name	Field Description	Field Type	Size	Key	Required
xtbl	This is the table record which should be used to calculate the basic emission rate in pounds per hour and which should be divided by the process rate documented in the process run indicated in this record. tblRunDataITM; tblRunHeader	Text	20		
Location	This is the test location that the emission concentration indicated in this record.is to be applied.	Text	50		
Method	This is the test method at this test location that the emission concentratio indicated in this record is to be applied.	Text	20		
RunNumber	This is the Emission Test Method run number for the location which this record represents.	Text	20		
SCC	This is the SCC for which this test record represents. added 1/23/06	Text	11		
Run	This is the primary or initial process run number for which this record represents	Long Integer	4		

Table Name: **tblSubmitActions**

Table Description: **Project Data Set Submittal History**

Field Name	Field Description	Field Type	Size	Key	Required
Comment	This is a comment field where the submitting individual may provide supplementary information to the recipient about the Project Data Set or submission report.	Memo	0		
SubmittedFromEmail	This is the email address of the individual that is preparing the Project Data Set file for transmittal..	Text	50		
SubmittedFrom	This is the name of the individual that is submitting the Project Data Set.	Text	50		
SubmittedToEmail	This is the email address (if known) of the individual to whom the Project Data Set file is being sent.	Text	50		
SubmittedTo	This is the name of the person or system to whom the user is submitting the Project Data Set.	Text	50		
SubmitDate	This is the date that the user processed the Project Data Set for submission to the next individual.	Date/Time	8		
ID	PK- This is the unique key for this record.	AutoNumber	4	Primary	

Table Name: **tblSubmitActions**

Table Description: **Project Data Set Submittal History**

Field Name	Field Description	Field Type	Size	Key	Required
PkgName	This is the file name which the ERT assigns to the Project Data Set package. It consists of the Facility Name followed by the date and time that the ERT created the file.	Text	255		
Action	This is one of a limited list of possible actions which the current user may select. The actions include but are not limited to Submit (or Resubmit) Test Plan (or Report), Approve Test Plan (or Report), Notice of Deficiency (Test Plan or Test Report).	Text	50		