

# Mapping CMDP Samples and Results to XML/Sampling Schema

The mapping in this document is intended for use by the SDWIS CMDP team for the Data Sync Engine (DSE).

## Modification History

Version Number	Date of Revision	Description of Changes	Revision Entered By
1.11.0	03/05/2018	Add explanation for value of <OriginalSampleLabAccreditation>	Attain, LLC
1.12	11/26/2019	Corrected how to generate values for <MeasurementUnit> (which is the tag that contains the UOM Volume for a microbial result).	Scott Peterson, Attain, LLC
1.13	12/30/2019	Corrected errors for row 27 (B_Detection_Level), 28 (B_Detection_Level_Unit_Code), 29 (B_Concentration), and 30 (B_Concentration_Unit_Code) in result mapping tables.	Scott Peterson, Attain, LLC

## General Sample

GENERAL SAMPLE						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields /Logic	STAGING TABLE (B_SAMPLE ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
1.	N/A		TMGJOB_IS_NUMBER	N	10	MANDATORY. Populated by the XML Sampling Application.
2.	N/A		B_TMGSAMPL_IS_NUMBER	N	7	MANDATORY. Populated by the XML Sampling Application.
3.	N/A		B_STATUS	AN	1	OPTIONAL. Populated by the XML Sampling Application.
4.	eDWR Submission LabReport Sample SampleIdentification LabSampleIdentifier	<b>Sample ID</b>	B_LAB_SAMPLE_NUMBER	AN	20	MANDATORY
5.	eDWR Submission LabReport Sample SampleIdentification SampleLaboratoryReceiptDate	<b>Sample Received Date</b>	B_LAB_RECEIPT_DATE	DT	8	OPTIONAL
6.	eDWR Submission LabReport Sample SampleIdentification PWSIdentifier	<b>Water System Id</b>	B_PWS_NUMBER	AN	9	MANDATORY
8.	eDWR Submission LabReport LabIdentification LabAccreditation LabAccreditationIdentifier	<b>Laboratory ID</b>	B_LAB_IS_NUMBER	AN	10	MANDATORY

GENERAL SAMPLE						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields /Logic	STAGING TABLE (B_SAMPLE ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
9.	eDWR Submission LabReport LabIdentification LabAccreditation LabAccreditationAuthority	<b>Auto Calculated based on Laboratory ID selected</b>	B_CERT_AG	AN	10	MANDATORY
10.	eDWR Submission LabReport Sample SampleIdentification PWSFacilityIdentifier	<b>Facility</b>	B_WSF_STATE_ASGN_ID	AN	12	MANDATORY - Must belong to the Water System supplied in field 6 (B_PWS_NUMBER).
11.	eDWR Submission LabReport Sample SampleLocationIdentification SampleLocationIdentifier	<b>Sampling Point</b>	B_SAMPLING_POINT	AN	12	CONDITIONALLY MANDATORY - Must be valued if field 12 (B_SAMPLING_LOCATION) is not valued.
12.	eDWR Submission LabReport Sample SampleLocationIdentification SampleLocationName	<b>Auto Populated based on Sampling Point</b>	B_SAMPLING_LOCATION	AN	40	CONDITIONALLY MANDATORY - Must be valued if field 11 (B_SAMPLING_POINT) is not valued.
12a	eDWR Submission LabReport Sample SampleLocationIdentification SampleLocationCollectionAddress	<b>Sampling Location</b>	B_COLLECTION_ADDRS	AN	200	OPTIONAL

**GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields /Logic</b>	<b>STAGING TABLE (B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
13.*	eDWR Submission LabReport Sample SampleIdentification SampleRuleCode	Derived as follows: 1) If there is a single Analyte in Microbial Sample A) If the Analyte is one of (3100, 3002, 3028), then "SampleRuleCode" tag = 'TC' B) Else "SampleRuleCode" tag = 'GE' 2) If there are multiple Analytes in Microbial Sample A) If all Analytes in Microbial sample are one of (3100, 3014, 3002, 3028), then "SampleRuleCode" tag = 'TC' B) Else "SampleRuleCode" tag = 'GE' 3) If there is a single Analyte in Chems/Rads Sample A) If the Analyte is one of (1030,1022), then "SampleRuleCode" tag = 'PB' B) Else "SampleRuleCode" tag = 'GE' 4) If there are multiple Analytes in Chems/Rads Sample A) If all Analytes in Chems/Rads Sample are one of (1030,1022), then "SampleRuleCode" tag = 'PB' B) Else "SampleRuleCode" tag = 'GE'	B_SAMPLE_CATEGOR Y	AN	2	MANDATORY

**GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields /Logic</b>	<b>STAGING TABLE (B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
14.*	eDWR Submission LabReport Sample SampleIdentification ComplianceSampleIndicator	Value with 'Y'	B_COMPLIANCE_INDICATOR	AN	1	MANDATORY
15.	eDWR Submission LabReport Sample SampleIdentification SampleCollectionEndDate	<b>Collection Date</b>	B_COLLECTION_DATE	DT	8	MANDATORY
16.	eDWR Submission LabReport Sample SampleIdentification SampleCollectionEndTime	<b>Collection Time</b>	B_COLLECTION_TIME	TM	6	OPTIONAL
17.*	eDWR Submission LabReport Sample SampleIdentification SampleMonitoringTypeCode	<b>Sample Type</b>	B_SAMPLE_TYPE	AN	2	MANDATORY
18.*	eDWR Submission LabReport Sample SampleLocationIdentification SampleRepeatLocationCode	<b>Repeat Location</b>	B_REPEAT_LOCATION	AN	2	OPTIONAL

GENERAL SAMPLE						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields /Logic	STAGING TABLE (B_SAMPLE ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
21.*	eDWR Submission LabReport Sample SampleIdentification SampleVolume MeasurementValue  eDWR Submission  LabReport Sample SampleIdentification SampleVolume MeasurementSignificantDigits (This schema element has to be valued for precision / significant digits)	<b>Sample Volume(ML)</b>	B_SAMPLE_VOLUME	AN	9	OPTIONAL
24.	eDWR Submission LabReport Sample SampleIdentification SampleCollectionMethod MethodIdentifier	<b>Method</b> in Microbial Analytes Results section	B_COLLECTION_MET HOD_CODE	AN	12	OPTIONAL
25.	eDWR Submission LabReport Sample SampleIdentification OriginalSampleIdentification OriginalSampleIdentifier	<b>Sample ID</b> under Related Original Sample Collected section	B_ORIGINAL_LAB_SA MPLE_NUMBER	AN	20	CONDITIONALLY MANDATORY - This field must be valued if field 17 (B_SAMPLE_TYPE) = "RP."

**GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields /Logic</b>	<b>STAGING TABLE (B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
26.	eDWR Submission LabReport Sample SampleIdentification OriginalSampleIdentification  OriginalSampleCollectionDate	<b>Collection Date</b> for the original sample selected above in Line NO 25	B_ORIGINAL_COLLEC TION_DATE	DT	8	CONDITIONALLY MANDATORY - This field must be valued if field 17 (B_SAMPLE_TYPE) = "RP."
29.	eDWR Submission LabReport Sample SampleIdentification SpecializedMeasurement MeasurementValue eDWR Submission LabReport Sample SampleIdentification SpecializedMeasurement MeasurementSignificantDigits  (This schema element has to be valued for precision / significant digits)  (Note: SpecializedMeasurementType Code = "FreeChlorineResidual")	<b>Result</b> under Field Result and Measurements section	B_FREE_CHLORINE_R ESIDUAL	N	5 (3)	OPTIONAL - Note that if valued with spaces, the software will populate field TSAMCSMP.FF_CHLOR_RES_MSR with null.

**GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields /Logic</b>	<b>STAGING TABLE (B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
30.	<p>eDWR Submission LabReport Sample SampleIdentification SpecializedMeasurement MeasurementValue</p> <p>eDWR Submission LabReport Sample SampleIdentification SpecializedMeasurement MeasurementSignificantDigits</p> <p>(This schema element has to be valued for precision / significant digits)</p> <p>(Note: SpecializedMeasurementType Code = "TotalChlorineResidual")</p>	<p><b>Result</b> under Field Result and Measurements section</p>	<p>B_TOTAL_CHLORINE _RESIDUAL</p>	N	5 (3)	<p>OPTIONAL - Note that if valued with spaces, the software will populate field TSAMCSMP.FLDTOT_CHL_RES_MSR with null.</p>



**GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields /Logic</b>	<b>STAGING TABLE (B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
31.	<p>eDWR Submission LabReport Sample SampleIdentification SpecializedMeasurement MeasurementValue</p> <p>eDWR Submission LabReport Sample</p> <p>SampleIdentification SpecializedMeasurement MeasurementSignificantDigits</p> <p>(This schema element has to be valued for precision / significant digits)</p> <p>(Note: SpecializedMeasurementType Code = "WaterTemperature")</p>	<p><b>Result</b> under Field Result and Measurements section</p>	<p>B_SAMPLE_WATER_TEMPERATURE</p>	N	3(1)	<p>OPTIONAL - Note that if valued with spaces, the software will populate field TSAMCSMP.FIELD_TEMP_MSR with null.</p>

**GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields /Logic</b>	<b>STAGING TABLE (B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
32.*	<p>eDWR Submission LabReport Sample SampleIdentification SpecializedMeasurement MeasurementUnit</p> <p>eDWR Submission LabReport</p> <p>Sample SampleIdentification SampleVolume MeasurementSignificantDigits</p> <p>(This schema element has to be valued for precision / significant digits)</p> <p>(Note: SpecializedMeasurementType Code = "WaterTemperature")</p>	<p><b>Result UOM</b> under Field Result and Measurements section</p>	<p>B_TEMPERATURE_UN IT_MEASURE</p>	AN	1	<p>CONDITIONALLY MANDATORY - This field must be valued if field 31 (B_SAMPLE_WATER_TEMPERATURE) is valued.</p>

**GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields /Logic</b>	<b>STAGING TABLE (B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
33.	<p>eDWR Submission LabReport Sample SampleIdentification SpecializedMeasurement MeasurementValue</p> <p>eDWR Submission LabReport Sample SampleIdentification SpecializedMeasurement MeasurementSignificantDigits</p> <p>(This schema element has to be valued for precision / significant digits)</p> <p>(Note: SpecializedMeasurementType Code = "Turbidity")</p>	<p><b>Result</b> under Field Result and Measurements section</p>	<p>B_TURBIDITY_MEASURE</p>	<p>N</p>	<p>5(2)</p>	<p>OPTIONAL - Note that if valued with spaces, the software will populate field TSAMCSMP.FIELD_TURBID_MSR with null.</p>

**GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields /Logic</b>	<b>STAGING TABLE (B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
34.	eDWR Submission LabReport Sample SampleIdentification SpecializedMeasurement MeasurementValue  eDWR Submission LabReport Sample SampleIdentification SpecializedMeasurement MeasurementSignificantDigits  (This schema element has to be valued for precision / significant digits)  (Note: SpecializedMeasurementType Code = "PH")	<b>Result</b> under Field Result and Measurements section	B_PH_MEASURE	N	4(1)	OPTIONAL - Note that if valued with spaces, the software will populate field TSAMCSMP.FIELD_PH_MEASURE with null.
38.	eDWR Submission LabReport Sample SampleIdentification SampleComments Comments	<b>Comment</b>	B_SAMPLE_COMMENTS	ANmc	2000	OPTIONAL

**GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields /Logic</b>	<b>STAGING TABLE (B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
39.	eDWR Submission LabReport Sample SampleIdentification OriginalSampleIdentification  OriginalSampleLabAccreditation  LabAccreditationIdentifier	Selected based on Original Sample ID selected  If the original Sample contains Sample Results, and all Analyzing labs are the same (no blanks), then populate with Analyzing lab.	B_ORIG_LAB_ID_NUMBER	AN	10	CONDITIONALLY MANDATORY - This field must be valued if field 17 (B_SAMPLE_TYPE) = "RP"
40.	eDWR Submission LabReport Sample SampleIdentification OriginalSampleIdentification  OriginalSampleLabAccreditation  LabAccreditationAuthorityName	Selected based on Original Sample ID selected  See logic applied from line 39 above.	B_ORIG_LAB_CERT_A G	AN	10	CONDITIONALLY MANDATORY - This field must be valued if field 17 (B_SAMPLE_TYPE) = "RP" and field 39 is valued
41	eDWR Submission LabReport Sample SampleIdentification SampleCollector IndividualFullName	<b>Sample Collector Name</b>	B_COLLECTOR_NAME	AN	40	OPTIONAL - If supplied, format must be: LASTNAME, FIRSTNAME (There is a single space after the comma) if collector is an Individual (Legal Entity). Otherwise, value is stored with Sample as Informal Collector.

## Microbiological Sample Result

MICROBIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
1.	N/A		TMGJOB_IS_NUMBER	N	10	MANDATORY. Populated by the XML Sampling Application.
2.	N/A		B_TMGSAR_IS_NUMBER	N	7	MANDATORY. Populated by the XML Sampling Application.
3.	N/A		B_STATUS	AN	1	OPTIONAL. Populated by the XML Sampling Application.
4.	eDWR Submission LabReport SampleAnalysisResults LabSampleIdentifier OR if used along with the Sample object eDWR Submission LabReport Sample SampleIdentification LabSampleIdentifier	<b>Laboratory ID</b>	B_LAB_SAMPLE_NUMBER	AN	20	MANDATORY - Reference field required to associate the result to the parent sample. Must be same value as field B_LAB_SAMPLE_NUMBER in B_Sample structure set or result (and sample) will be rejected.
5.	eDWR Submission LabReport SampleAnalysisResults SampleCollectionEndDate OR if used along with the Sample object eDWR Submission LabReport Sample SampleIdentification SampleCollectionEndDate	<b>Collection Date</b>	B_COLLECTION_DATE	DT	8	OPTIONAL

6.	<p>eDWR Submission LabReport SampleAnalysisResults PWSIdentifier OR if used along with the Sample object eDWR Submission LabReport Sample SampleIdentification PWSIdentifier</p>	<b>Water System Id</b>	B_PWS_NUMBER	AN	9	MANDATORY - Reference field required to associate the result to the parent sample. Must be same value as field B_PWS_NUMBER in B_Sample structure set or result (and sample) will be rejected.
7.	<p>eDWR Submission LabReport LabIdentification LabAccreditation</p>	<b>Laboratory ID</b>	B_LAB_ID_NUMBER	AN	10	MANDATORY
8.	<p>eDWR Submission LabReport LabIdentification LabAccreditation LabAccreditationAuthortity</p>	Auto Derived based on Laboratory ID	B_CERT_AGENCY	AN	10	MANDATORY
9.	<p>eDWR Submission LabReport SampleAnalysisResults AnalyteIdentification AnalyteCode OR if used along with the Sample object eDWR Submission LabReport Sample</p>	<b>Analyte in Microbial Analytes Results section</b>	B_ANALYTE_CODE	AN	4	MANDATORY

	AnalysisResultInformation AnalyteIdentification AnalyteCode					
10.	eDWR Submission LabReport SampleAnalysisResults LabAnalysisIdentification AnalysisStartDate  OR if used along with the Sample object  eDWR Submission LabReport Sample AnalysisResultInformation LabAnalysisIdentification AnalysisStartDate	<b>Analysis Start Date</b> in Microbial Analytes Results section	B_ANALYSIS_START_DATE	DT	8	OPTIONAL - Sample will be rejected if Analysis Start Date is supplied but is prior to Sample Collection Date.
11	eDWR Submission LabReport SampleAnalysisResults LabAnalysisIdentification AnalysisStartTime  OR if used along with the Sample object  eDWR Submission LabReport Sample AnalysisResultInformation LabAnalysisIdentification AnalysisStartTime	<b>Analysis Start Time</b> in Microbial Analytes Results section	B_ANALYSIS_START_TIME	TM	6	OPTIONAL
12.	eDWR Submission	<b>Analysis Completed Date</b>	B_ANALYSIS_COMPLETE_DATE	DT	8	OPTIONAL - Sample will be rejected if Analysis Completion Date is supplied but



	<p>LabReport SampleAnalysisResults LabAnalysisIdentification AnalysisEndDate</p> <p>OR</p> <p>if used along with the Sample object</p> <p>eDWR Submission LabReport Sample AnalysisResultInformation LabAnalysisIdentification AnalysisEndDate</p>	in Microbial Analytes Results section				is prior to Sample Collection Date. Sample will also be rejected if both Analysis Start and Completion Dates are supplied, but Completion Date is prior to Start Date.
13.	<p>eDWR Submission LabReport SampleAnalysisResults LabAnalysisIdentification AnalysisEndTime</p> <p>OR</p> <p>if used along with the Sample object</p> <p>eDWR Submission LabReport Sample AnalysisResultInformation LabAnalysisIdentification AnalysisEndTime</p>	<b>Analysis Completed Time</b> in Microbial Analytes Results section	B_ANALYSIS_COMPLETE_TIME	TM	6	OPTIONAL
14.	<p>eDWR Submission LabReport SampleAnalysisResults AnalysisResult ResultStateNotificationDate</p> <p>OR</p>	Auto Calculated based on date Sample Submitted to State	B_STATE_NOTIFY_DATE	DT	8	OPTIONAL

	<p>if used along with the Sample object</p> <p>eDWR Submission LabReport Sample AnalysisResultInformation AnalysisResult ResultStateNotificationDate</p>					
15.	<p>eDWR Submission LabReport SampleAnalysisResults AnalysisResult PWSNotificationDate</p> <p>OR</p> <p>if used along with the Sample object</p> <p>eDWR Submission LabReport Sample AnalysisResultInformation AnalysisResult PWSNotificationDate</p>	<p>Auto Calculated based on date Sample Submitted to State</p>	B_WATER_SYSTEM_NOTIFY_DATE	DT	8	OPTIONAL
16. *	<p>eDWR Submission LabReport SampleAnalysisResults QAQCSummary DataQualityCode</p> <p>OR</p> <p>if used along with the Sample object</p> <p>eDWR Submission</p>	<p>Autopopulated to "A" in Microbial Analytes Results section</p>	B_DATA_QUALITY	AN	1	MANDATORY

	LabReport Sample AnalysisResultInformation QAQCSummary DataQualityCode					
17.*	eDWR Submission LabReport SampleAnalysisResults QAQCSummary DataQualityRejectCode OR if used along with the Sample object  eDWR Submission LabReport Sample AnalysisResultInformation QAQCSummary DataQualityRejectCode		B_DATA_QUALITY_REASON	AN	2	CONDITIONALLY MANDATORY - Field must be valued if field 16 (B_DATA_QUALITY) = "R."
18.*	eDWR Submission LabReport SampleAnalysisResults LabAnalysisIdentification SampleAnalyticalMethod: MethodIdentifier OR if used along with the Sample object  eDWR Submission LabReport Sample AnalysisResultInformation LabAnalysisIdentification	<b>Method</b> in Microbial Analytes Results section	B_ANALYSIS_METHOD_CODE	AN	30	OPTIONAL - May be either a federally owned or state-owned analyte method pairing that exists in state/region's SDWIS/STATE database.

	SampleAnalyticalMethod: MethodIdentifier					
19.	<p>eDWR Submission LabReport SampleAnalysisResult LabAnalysisIdentification SampleAnalyzedMeasure MeasurementValue</p> <p>eDWR Submission LabReport SampleAnalysisResult LabAnalysisIdentification SampleAnalyzedMeasure MeasurementUnit</p> <p>eDWR Submission LabReport SampleAnalysisResults LabAnalysisIdentification SampleAnalyzedMeasure MeasurementSignificantDigits</p> <p>(This schema element has to be valued for precision / significant digits)</p> <p style="text-align: center;"><b>OR</b></p> <p>if used along with the Sample object eDWR Submission LabReport Sample AnalysisResultInformation LabAnalysisIdentification SampleAnalyzedMeasure MeasurementValue</p>	<b>Volume Assayed(ML) in Microbial Analytes Results section</b>	B_VOLUME_ASSAYED	AN	9	OPTIONAL

	eDWR Submission LabReport Sample AnalysisResultInformation LabAnalysisIdentification SampleAnalyzedMeasure MeasurementUnit  eDWR Submission LabReport Sample AnalysisResultInformation LabAnalysisIdentification SampleAnalyzedMeasure MeasurementSignificantDigits					
20.*	eDWR Submission LabReport SampleAnalysisResults AnalysisResult SampleInterferenceReasonCode OR if used along with the Sample object  eDWR Submission LabReport Sample AnalysisResultInformation AnalysisResult SampleInterferenceReasonCode		B_LAB_REJECTION_REASON	AN	4	CONDITIONALLY MANDATORY - See discussion in field 21.
21.*	eDWR Submission LabReport	<b>A/P</b> in Microbial Analytes Results section	B_MICROBE_PRESENCE_INDICATOR	AN	1	CONDITIONALLY MANDATORY - X If not valued, field 20 (B_LAB_REJECTION_REASON)

	<p>SampleAnalysisResult AnalysisResult                      Result MeasurementQualifier <b>OR</b> if used along with the Sample object</p> <p>eDWR Submission LabReport Sample AnalysisResultInformation AnalysisResult Result MeasurementQualifier</p>					<p>X must be valued and field 17 (B_COUNT) must not be valued. If valued with P, field 22 (B_COUNT) must be either not valued, or if valued, be greater than 0.</p> <p>X If valued with A, field 20 (B_LAB_REJECTION_REASON) should not be valued and field 22 (B_COUNT) should not be valued with 0 or any other integer.</p>
22.	<p>eDWR Submission LabReport SampleAnalysisResult AnalysisResult                      Result MeasurementValue</p> <p>eDWR Submission LabReport SampleAnalysisResult AnalysisResult Result MeasurementSignificantDigits</p> <p>(This schema element has to be valued for precision / significant digits)</p> <p><b>OR</b> if used along with the Sample object eDWR Submission LabReport</p>	<b>Count in Microbial Analytes Results section</b>	B_COUNT	N	15,5	CONDITIONALLY MANDATORY - See discussion in field 21.

	<p>Sample AnalysisResultInformation AnalysisResult Result MeasurementValue eDWR Submission LabReport Sample AnalysisResultInformation AnalysisResult Result MeasurementSignificantDigits</p>					
23.*	<p>eDWR Submission LabReport SampleAnalysisResults AnalysisResult Result MicrobialResultCountTypeCode OR if used along with the Sample object  eDWR Submission LabReport Sample AnalysisResultInformation AnalysisResult Result MicrobialResultCountTypeCode</p>	<p><b>Units</b> in Microbial Analytes Results section</p>	B_COUNT_TYPE	AN	10	<p>CONDITIONALLY MANDATORY - Field must be valued if field 22 (B_COUNT) &gt; 0.</p>
24.*	<p>eDWR Submission LabReport SampleAnalysisResult AnalysisResult Result MeasurementUnit OR if used along with the Sample object</p>	<p>If Volume(ML) is blank, do not create tag. If Volume(ML) is valued, Set to value in Volume(ML) concatenated to</p>	B_COUNT_UNITS	AN	9	<p>CONDITIONALLY MANDATORY - Field must be valued if field 23 (B_COUNT_TYPE) is valued.</p>

	eDWR Submission LabReport Sample AnalysisResultInformation AnalysisResult Result MeasurementUnit	‘ML’ without spaces.  For example, if user enters 100 in Volume(ML), generate ‘100ML’ If user enters 1 in Volume(ML), generate ‘1ML’				
33.	eDWR Submission LabReport SampleAnalysisResult AnalysisResult AnalysisComment Comments  OR if used along with the Sample object  eDWR Submission LabReport Sample AnalysisResultInformation AnalysisResult AnalysisComment Comments	<b>Comments</b> in Microbial Analytes Results section	B_COMMENT	ANmc	1000	Optional



## Chemical and Radiological Sample Result

CHEMICAL and RADIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
1.	N/A		TMGJOB_IS_NUMBER	N	10	MANDATORY. Populated by the XML Sampling Application.
2.	N/A		B_TMGSAR_IS_NUMBER	N	7	MANDATORY. Populated by the XML Sampling Application.
3.	N/A		B_STATUS	AN	1	OPTIONAL. Populated by the XML Sampling Application.
4.	eDWR Submission LabReport  SampleAnalysisResults LabSampleIdentifier OR if used along with the Sample object eDWR Submission LabReport Sample  SampleIdentification  LabSampleIdentifier	<b>Sample ID</b>	B_LAB_SAMPLE_NUMBER	AN	20	MANDATORY - Reference field required to associate the result to the parent sample. Must be same value as field B_LAB_SAMPLE_NUMBER in B_SAMPLE structure set or result (and sample) will be rejected.
5.	eDWR Submission LabReport  SampleAnalysisResults SampleCollectionEndDate OR if used along with the Sample object	<b>Collection Date</b>	B_COLLECTION_DATE	DT	8	OPTIONAL

CHEMICAL and RADIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	eDWR Submission LabReport Sample SampleIdentification  SampleCollectionEndDate					
6.	eDWR Submission LabReport  SampleAnalysisResults PWSIdentifier OR if used along with the Sample object eDWR Submission LabReport Sample SampleIdentification PWSIdentifier	<b>Water System</b>	B_PWS_NUMBER	AN	9	MANDATORY - Reference field required to associate the result to the parent sample. Must be same value as field B_PWS_NUMBER in B_SAMPLE structure set or result (and sample) will be rejected.
7.	eDWR Submission LabReport LabIdentification LabAccreditation LabAccreditationIdentifier	<b>Laboratory ID</b>	B_LAB_ID_NUMBER	AN	10	MANDATORY
8.	eDWR Submission LabReport LabIdentification LabAccreditation LabAccreditationAuthortity	Selected based on Laboratory ID entered	B_CERT_AGENCY	AN	10	MANDATORY

CHEMICAL and RADIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
9.	eDWR Submission LabReport  SampleAnalysisResults AnalyteIdentification AnalyteCode OR if used along with the Sample object  eDWR Submission LabReport Sample  AnalysisResultInformation AnalyteIdentification AnalyteCode	<b>Analyte</b> in Chem/Rads Results section	B_ANALYTE_CODE	AN	4	MANDATORY - Required field must be valued.
10.	eDWR Submission LabReport  SampleAnalysisResults LabAnalysisIdentification AnalysisStartDate OR if used along with the Sample object  eDWR Submission LabReport Sample	<b>Analysis Start Date</b> in Chem/Rads Results section	B_ANALYSIS_START_DATE	DT	8	OPTIONAL - Sample will be rejected if Analysis Start Date is supplied but is prior to Sample Collection Date.

CHEMICAL and RADIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	AnalysisResultInformation LabAnalysisIdentification AnalysisStartDate					
11.	eDWR Submission LabReport  SampleAnalysisResults LabAnalysisIdentification AnalysisStartTime OR if used along with the Sample object  eDWR Submission LabReport Sample  AnalysisResultInformation LabAnalysisIdentification AnalysisStartTime	<b>Analysis Start Time</b> in Chem/Rads Results section	B_ANALYSIS_START_TIME	TM	6	OPTIONAL
12.	eDWR Submission LabReport  SampleAnalysisResults LabAnalysisIdentification AnalysisEndDate OR if used along with the Sample object	<b>Analysis Completed Date</b> in Chem/Rads Results section	B_ANALYSIS_COMPLETE_DATE	DT	8	OPTIONAL - Sample will be rejected if Analysis Completion Date is supplied but is prior to Sample Collection Date. Sample will also be rejected if both Analysis Start and Completion Dates are supplied, but Completion Date is prior to Start Date.

CHEMICAL and RADIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	eDWR Submission LabReport Sample  AnalysisResultInformation LabAnalysisIdentification AnalysisEndDate					
13.	eDWR Submission LabReport  SampleAnalysisResults LabAnalysisIdentification AnalysisEndTime <b>OR</b> if used along with the Sample object  eDWR Submission LabReport Sample  AnalysisResultInformation LabAnalysisIdentification AnalysisEndTime	<b>Analysis Completed Time</b> in Chem/Rads Results section	B_ANALYSIS_COMPLETE_TIME	TM	6	OPTIONAL
14.	eDWR Submission LabReport  SampleAnalysisResults	Derived based on Date Sample was Submitted to State	B_STATE_NOTIFY_DATE	DT	8	OPTIONAL

**CHEMICAL and RADIOLOGICAL SAMPLE RESULT**

LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAI N	SIZE	OPTIONALITY
	AnalysisResult ResultStateNotificationDate OR if used along with the Sample object  eDWR Submission LabReport Sample  AnalysisResultInformation AnalysisResult ResultStateNotificationDate					
16.*	eDWR Submission LabReport  SampleAnalysisResults QAQCSummary DataQualityCode OR if used along with the Sample object  eDWR Submission LabReport Sample  AnalysisResultInformation QAQCSummary DataQualityCode	"A"	B_DATA_QUALITY	AN	1	MANDATORY

CHEMICAL and RADIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
17.*	eDWR Submission LabReport  SampleAnalysisResults QAQCSummary DataQualityRejectCode OR if used along with the Sample object  eDWR Submission LabReport Sample  AnalysisResultInformation QAQCSummary DataQualityRejectCode		B_DATA_QUALITY_REASON	AN	2	CONDITIONALLY MANDATORY - Field must be valued if field 16 (B_DATA_QUALITY) = "R."
18.*	eDWR Submission LabReport  SampleAnalysisResults LabAnalysisIdentification SampleAnalyticalMethod: MethodIdentifier OR if used along with the Sample object  eDWR Submission LabReport Sample	<b>Method</b> in Chem/Rads Results section	B_ANALYSIS_METHOD_CODE	AN	30	OPTIONAL - May be either a federally owned or state-owned analyte method pairing that exists in state/region's SDWIS/STATE database.

**CHEMICAL and RADIOLOGICAL SAMPLE RESULT**

LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	AnalysisResultInformation LabAnalysisIdentification SampleAnalyticalMethod: MethodIdentifier					
19.*	eDWR Submission LabReport  SampleAnalysisResult LabAnalysisIdentification SampleAnalyzedMeasure MeasurementValue  eDWR Submission LabReport  SampleAnalysisResult LabAnalysisIdentification SampleAnalyzedMeasure MeasurementUnit  eDWR Submission LabReport  SampleAnalysisResults LabAnalysisIdentification SampleAnalyzedMeasure MeasurementSignificantDigits (This schema element has to be valued for precision / significant digits)	<b>Volume Assayed(ML) in Chem/Rads Results section</b>	B_VOLUME_ASSAYED	AN	9	N/A



**CHEMICAL and RADIOLOGICAL SAMPLE RESULT**

LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAI N	SIZE	OPTIONALITY
	<p align="center">OR</p> <p>if used along with the Sample object eDWR Submission LabReport Sample</p> <p>AnalysisResultInformatio n LabAnalysisIdentification SampleAnalyzedMeasure MeasurementValue</p> <p>eDWR Submission LabReport Sample</p> <p>AnalysisResultInformatio n LabAnalysisIdentification SampleAnalyzedMeasure MeasurementUnit</p> <p>eDWR Submission LabReport Sample</p> <p>AnalysisResultInformatio n LabAnalysisIdentification SampleAnalyzedMeasure MeasurementSignificantD igits</p>					

**CHEMICAL and RADIOLOGICAL SAMPLE RESULT**

LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAI N	SIZE	OPTIONALITY
26.*	eDWR Submission LabReport  SampleAnalysisResult AnalysisResult  DetectionLimitTypeCode OR if used along with the Sample object  eDWR Submission LabReport Sample  AnalysisResultInformation AnalysisResult DetectionLimitTypeCode	"MRL"	B_LESS_THAN_CODE	AN	3	CONDITIONALLY MANDATORY - Must be valued if field 25 (B_LESS_THAN_INDICATOR) = "Y."
27.	eDWR Submission LabReport  SampleAnalysisResults AnalysisResult DetectionLimit MeasurementValue  eDWR Submission LabReport  SampleAnalysisResults AnalysisResult DetectionLimit		B_DETECTION_LEVEL	N	15(9)	CONDITIONALLY MANDATORY - Must be valued if field 26 (B_LESS_THAN_CODE) = "MRL."

**CHEMICAL and RADIOLOGICAL SAMPLE RESULT**

LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	MeasurementSignificantDigits  (This schema element has to be valued for precision / significant digits) OR if used along with the Sample object eDWR Submission LabReport Sample AnalysisResult AnalysisResultInformation DetectionLimit MeasurementValue eDWR Submission LabReport Sample AnalysisResult AnalysisResultInformation DetectionLimit MeasurementSignificantDigits  (This schema element has to be valued for precision / significant digits)					
28.	eDWR Submission LabReport  SampleAnalysisResults AnalysisResult	<b>Reporting Limit UOM</b> in Chem/Rads Results section (use key_value_ref.key_data,	B_DETECTION_LEVEL_UNIT_CODE	ANmc	9	CONDITIONALLY MANDATORY - Must be valued if field 27 (B_DETECTION_LEVEL) is valued.

**CHEMICAL and RADIOLOGICAL SAMPLE RESULT**

LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	DetectionLimit MeasurementUnit OR if used along with the Sample object  eDWR Submission LabReport Sample  AnalysisResultInformation AnalysisResult DetectionLimit MeasurementUnit	which correlates to SDWIS/State uom codes)				
29.	eDWR Submission LabReport  SampleAnalysisResults AnalysisResult Result MeasurementValue eDWR Submission LabReport  SampleAnalysisResults AnalysisResult Result MeasurementSignificantDigits  (This schema element has to be valued for precision / significant digits)	<b>Result</b> in Chem/Rads Results section	B_CONCENTRATION	N	15(9)	CONDITIONALLY MANDATORY - Must be valued if field 16 (B_DATA_QUALITY) = (“A” or “P”) and field 25 (B_LESS_THAN_INDICATOR) is not valued.

CHEMICAL and RADIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	<p>OR if used along with the Sample object eDWR Submission LabReport Sample</p> <p>AnalysisResultInformation AnalysisResult Result MeasurementValue eDWR Submission LabReport Sample</p> <p>AnalysisResultInformation AnalysisResult Result MeasurementSignificantDigits</p> <p>(This schema element has to be valued for precision / significant digits)</p>					
30.	<p>eDWR Submission LabReport</p> <p>SampleAnalysisResults AnalysisResult Result MeasurementUnit OR</p>	<p><b>Result UOM</b> in Chem/Rads Results section (use key_value_ref.key_data, which correlates to SDWIS/State uom codes)</p>	B_CONCENTRATION_UNIT_CODE	ANmc	9	CONDITIONALLY MANDATORY - Must be valued if field 29 (B_CONCENTRATION).

**CHEMICAL and RADIOLOGICAL SAMPLE RESULT**

LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	if used along with the Sample object  eDWR Submission LabReport Sample  AnalysisResultInformation AnalysisResult Result MeasurementUnit					
31.	eDWR Submission LabReport  SampleAnalysisResults AnalysisResult Result MeasurementValue eDWR Submission LabReport  SampleAnalysisResults AnalysisResult Result MeasurementSignificantDigits  (This schema element has to be valued for precision / significant digits) OR if used along with the Sample object		B_REPORTED_MEASURE	AN	10	N/A

CHEMICAL and RADIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	eDWR Submission LabReport Sample  AnalysisResultInformation AnalysisResult Result MeasurementValue eDWR Submission LabReport Sample  AnalysisResultInformation AnalysisResult Result MeasurementSignificantDigits  (This schema element has to be valued for precision / significant digits)					
32.	eDWR Submission LabReport  SampleAnalysisResults AnalysisResult RadiologicalResultCountError  OR if used along with the Sample object  eDWR	<b>Standard Deviation (+/-)</b> in Chem/Rads Results section	B_REPORTED_MEASURE_COUNT_ERROR	N	8(3)	OPTIONAL - If value supplied does not convert to valid number, result will be rejected.

CHEMICAL and RADIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	Submission LabReport Sample  AnalysisResultInformation AnalysisResult RadiologicalResultCountError					
33.	eDWR Submission LabReport  SampleAnalysisResult AnalysisResult AnalysisComment Comments  OR if used along with the Sample object  eDWR Submission LabReport Sample  AnalysisResultInformation AnalysisResult AnalysisComment Comments	<b>Comments</b> in Chem/Rads Results section	B_COMMENT	ANmc		OPTIONAL
34.	eDWR Submission LabReport Sample SampleIdentification	<b>Composite Sample ID</b>	B_LAB_COMPOSITE_NUMBER	AN	20	N/A



CHEMICAL and RADIOLOGICAL SAMPLE RESULT						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE_RESULT ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
	LabSampleCompositeNumber					
35.	eDWR Submission LabReport Sample SampleIdentification LabSampleCompositeDate	<b>Composite Date</b>	B_COMPOSITE_DATE	DT	8	N/A

## Composite Sample

\*\*\*For Composite Samples, a separate section has to be added in XML file with Composite Sample information along with “General Sample” and “RADIOLOGICAL SAMPLE RESULT” mapping. Mapping for Composite Sample information is provided in “COMPOSITE GENERAL SAMPLE” section.

***COMPOSITE GENERAL SAMPLE						
LINE NO (field)	SCHEMA TAG NAME	CMDP UI Fields/Logic	STAGING TABLE ( B_SAMPLE ) COLUMN NAME	DOMAIN	SIZE	OPTIONALITY
1.	N/A		TMGJOB_IS_NUMBER	N	10	MANDATORY. Populated by the XML Sampling Application.
2.	N/A		B_TMGSAMPL_IS_NUMBER	N	7	MANDATORY. Populated by the XML Sampling Application.
3.	N/A		B_STATUS	AN	1	OPTIONAL. Populated by the XML Sampling Application.
4.	eDWR Submission LabReport Sample SampleIdentification LabSampleIdentifier	<b>Composite Sample ID</b>	B_LAB_SAMPLE_NUMBER	AN	20	MANDATORY
5.	eDWR Submission LabReport Sample SampleIdentification SampleLaboratoryReceipt Date	N/A	B_LAB_RECEIPT_DATE	DT	8	OPTIONAL
6.	eDWR Submission LabReport Sample SampleIdentification PWSIdentifier	<b>Water System Id</b>	B_PWS_NUMBER	AN	9	MANDATORY

**\*\*\*COMPOSITE GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields/Logic</b>	<b>STAGING TABLE ( B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
8.	eDWR Submission LabReport LabIdentification LabAccreditation LabAccreditationIdentifier	<b>Laboratory ID</b>	B_LAB_IS_NUMB ER	AN	10	MANDATORY
9.	eDWR Submission LabReport LabIdentification LabAccreditation LabAccreditationAuthortity	<b>Auto Calculated based on Laboratory ID selected</b>	B_CERT_AG	AN	10	MANDATORY
10.	eDWR Submission LabReport Sample SampleIdentification PWSFacilityIdentifier	<b>Facility</b>	B_WSF_STATE_A SGN_ID	AN	12	MANDATORY - Must belong to the Water System supplied in field 6 (B_PWS_NUMBER).
11.	eDWR Submission LabReport Sample SampleLocationIdentification SampleLocationIdentifier	<b>Sampling Point</b>	B_SAMPLING_POI NT	AN	12	CONDITIONALLY MANDATORY - Must be valued if field 12 (B_SAMPLING_LOCATION) is not valued.
12.	eDWR Submission LabReport Sample SampleLocationIdentification SampleLocationName	Selected based on Sampling Point	B_SAMPLING_LO CATION	AN	40	CONDITIONALLY MANDATORY - Must be valued if field 11 (B_SAMPLING_POINT) is not valued.

**\*\*\*COMPOSITE GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields/Logic</b>	<b>STAGING TABLE ( B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
12a	eDWR Submission LabReport Sample SampleLocationIdentification SampleLocationCollectionAddress	<b>Sampling Location</b>	B_COLLECTION_ADDR	AN	200	OPTIONAL
13.*	eDWR Submission LabReport Sample SampleIdentification SampleRuleCode	Derived the same was as specified for Item 13. in the <b>General Sample</b> table above.	B_SAMPLE_CATEGORY	AN	2	MANDATORY
14.*	eDWR Submission LabReport Sample SampleIdentification ComplianceSampleIndicator	<b>Auto Populated</b>	B_COMPLIANCE_INDICATOR	AN	1	MANDATORY
15.	eDWR Submission LabReport Sample SampleIdentification SampleCollectionEndDate	<b>Collection Date</b>	B_COLLECTION_DATE	DT	8	MANDATORY
16.	eDWR Submission LabReport Sample SampleIdentification SampleCollectionEndTime	<b>Collection Time</b>	B_COLLECTION_TIME	TM	6	OPTIONAL

**\*\*\*COMPOSITE GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields/Logic</b>	<b>STAGING TABLE ( B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
17.*	eDWR Submission LabReport Sample SampleIdentification SampleMonitoringTypeCode	<b>Sample Type</b> <b>-Should be set to 'RT'</b>	B_SAMPLE_TYPE	AN	2	MANDATORY
21.*	eDWR Submission LabReport Sample SampleIdentification SampleVolume MeasurementValue  eDWR Submission  LabReport Sample SampleIdentification SampleVolume MeasurementSignificantDigits (This schema element has to be valued for precision / significant digits)	<b>Sample Volume(ML)</b>	B_SAMPLE_VOLUME	AN	9	OPTIONAL
38.	eDWR Submission LabReport Sample SampleIdentification SampleComments Comments	<b>Comment</b>	B_SAMPLE_COMMENTS	ANmc	2000	OPTIONAL

**\*\*\*COMPOSITE GENERAL SAMPLE**

<b>LINE NO (field)</b>	<b>SCHEMA TAG NAME</b>	<b>CMDP UI Fields/Logic</b>	<b>STAGING TABLE ( B_SAMPLE ) COLUMN NAME</b>	<b>DOMAIN</b>	<b>SIZE</b>	<b>OPTIONALITY</b>
41	eDWR Submission LabReport Sample SampleIdentification SampleCollector IndividualFullName	<b>Sample Collector Name</b>	B_COLLECTOR_NAME	AN	40	OPTIONAL - If supplied, format must be: LASTNAME, FIRSTNAME (There is a single space after the comma) if collector is an Individual (Legal Entity). Otherwise, value is stored with Sample as Informal Collector.
35.	eDWR Submission LabReport Sample SampleIdentification LabSampleCompositeDate	<b>Composite Date</b>	B_COMPOSITE_DATE	DT	8	N/A