TERADATA AND SAS CODE BACKUP

```
   /** Most likely scanario based on provided data single digit month, day or hour only **/
     /* 7 scanarios '8/1/2017 1:02:09 PM' '8/11/2017 1:02:09 PM' '8/1/2017 11:02:09 PM' '10/1/2017 1:02:09
PM' '8/11/2017 11:02:09 PM' '10/1/2017 11:02:09 PM' '10/14/2017 1:02:09 PM'
      */
    SELECT
    '10/12/2017 1:02:09 PM' AS YourDate,
    CAST(CASE
        WHEN YourDate LIKE '_/_/____ _:%'  THEN '0'||SUBSTRING(YourDate FROM 1 FOR 2)
|| '0' || SUBSTRING(YourDate FROM 3 FOR 2) || SUBSTRING(YourDateFROM 5 FOR 5)
|| '0' || SUBSTRING(YourDate FROM 10)
        WHEN YourDate LIKE '_/__/____ _:%' THEN '0'||SUBSTRING(YourDate FROM 1 FOR 2)
|| SUBSTRING(YourDate FROM 3 FOR 8) || '0' || SUBSTRING(YourDateFROM 11)
        WHEN YourDate LIKE '_/_/____ __:%' THEN '0' || SUBSTRING(YourDate FROM 1 FOR 2)
|| '0' || SUBSTRING(YourDate FROM 3)
        WHEN YourDate LIKE '_/__/____ __:%' THEN '0'||SUBSTRING(YourDate FROM 1 FOR 2)
|| SUBSTRING(YourDate FROM 3)
        WHEN YourDate LIKE '__/_/____ __:%' THEN SUBSTRING(YourDate FROM 1 FOR 3)
|| '0' || SUBSTRING(YourDate FROM 4)
        WHEN YourDate LIKE '__/__/____ _:%'THEN SUBSTRING(YourDate FROM 1 FOR 11)
|| '0' || SUBSTRING(YourDate FROM 12)
        WHEN YourDate LIKE '__/_/____ _:%' THEN SUBSTRING(YourDate FROM 1 FOR 3)
|| '0' || SUBSTRING(YourDate FROM 4 FOR 7) || '0' || SUBSTRING(YourDateFROM 11)

        ELSE YourDate
     END AS TIMESTAMP(0) FORMAT 'mm/dd/YYYYBhh:mi:ssBt');
```

```
CREATE VIEW HC_PRD_D_RDDL_INVITRO_0_1_0_0_0_0_0_0.AAA_D_CALIBRATION_DETAIL AS
    SELECT
    ID,
    ACTIONOPERATIONTASK_ID,
    NODE_ID,
    CREATED,
    DETAILS,
```

```
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'SLOPE=\-
?\d+(\,?\d*)*\.?\d*',1,1),'SLOPE=','') AS FLOAT)  AS SLOPE,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'INTERCEPT=\-
?\d+(\,?\d*)*\.?\d*',1,1),'INTERCEPT=','') AS FLOAT)  AS INTERCEPT,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CalibratorName=\w+',1,1),'CalibratorName=','') AS VARCHAR(50
))  AS CALIBRATOR_NAME,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CalibratorID=\w+',1,1),'CalibratorID=','') AS VARCHAR(50))
AS CALIBRATOR_ID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ReagentProductCode=\w+',1,1),'ReagentProductCode=','') AS VA
RCHAR(50)) AS REAGENT_PRODUCT_CODE,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'MethodName=\w+',1,1),'MethodName=','') AS VARCHAR(50))  AS M
ETHOD_NAME,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Concentration=\w+',1,1),'L1-
Concentration=','') AS VARCHAR(50))  AS L1_Concentration,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Sample_ID=\w+',1,1),'L1-
Sample_ID=','') AS VARCHAR(50))  AS L1_Sample_ID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Result=\w+',1,1),'L1-
Result=','') AS VARCHAR(50))  AS L1_Result,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUMean=\w+',1,1),'L1-
RLUMean=','') AS VARCHAR(50))  AS L1_RLUMean,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUReplicate1=\w+',1,1),'L1-
RLUReplicate1=','') AS VARCHAR(50))  AS L1_RLUReplicate1,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUReplicate2=\w+',1,1),'L1-
RLUReplicate2=','') AS VARCHAR(50))  AS L1_RLUReplicate2,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUReplicate3=\w+',1,1),'L1-
RLUReplicate3=','') AS VARCHAR(50))  AS L1_RLUReplicate3,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Flags=\w+',1,1),'L1-
Flags=','') AS VARCHAR(50))  AS L1_Flags,

    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Concentration=\w+',1,1),'L2-
Concentration=','') AS VARCHAR(50))  AS L2_Concentration,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Sample_ID=\w+',1,1),'L2-
Sample_ID=','') AS VARCHAR(50))  AS L2_Sample_ID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Result=\w+',1,1),'L2-
Result=','') AS VARCHAR(50))  AS L2_Result,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUMean=\w+',1,1),'L2-
RLUMean=','') AS VARCHAR(50))  AS L2_RLUMean,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUReplicate1=\w+',1,1),'L2-
RLUReplicate1=','') AS VARCHAR(50))  AS L2_RLUReplicate1,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUReplicate2=\w+',1,1),'L2-
RLUReplicate2=','') AS VARCHAR(50))  AS L2_RLUReplicate2,
```

```
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUReplicate3=\w+',1,1),'L2-
RLUReplicate3=','') AS VARCHAR(50))  AS L2_RLUReplicate3,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Flags=\w+',1,1),'L2-
Flags=','') AS VARCHAR(50))  AS L2_Flags,

    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Units=\w+',1,1),'Units=','') AS VARCHAR(50))  AS Units,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CheckSum=\w+',1,1),'CheckSum=','') AS VARCHAR(50))  AS Check
_Sum,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'RackID=\w+',1,1),'RackID=','') AS VARCHAR(50))  AS Rack_ID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'OrderDateTime=\d+\/\d+\/\d+ \d+\:\d+\:\d+
\w+',1,1),'OrderDateTime=','') AS VARCHAR(50) ) ASORDERDATETIME_TXT,

   CAST(CASE
        WHEN ORDERDATETIME_TXT LIKE '_/_/____ _:%'  THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2)
|| '0' || SUBSTRING(ORDERDATETIME_TXT FROM 3 FOR2) || SUBSTRING(ORDERDATETIME_TXT FROM 5 FOR 5)
|| '0' || SUBSTRING(ORDERDATETIME_TXT FROM 10)
        WHEN ORDERDATETIME_TXT LIKE '_/__/____ _:%' THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2)
|| SUBSTRING(ORDERDATETIME_TXT FROM 3 FOR 8) ||'0' || SUBSTRING(ORDERDATETIME_TXT FROM 11)
        WHEN ORDERDATETIME_TXT LIKE '_/_/____ __:%' THEN '0' || SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2)
|| '0' || SUBSTRING(ORDERDATETIME_TXT FROM 3)
        WHEN ORDERDATETIME_TXT LIKE '_/__/____ __:%' THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2)
|| SUBSTRING(ORDERDATETIME_TXT FROM 3)
        WHEN ORDERDATETIME_TXT LIKE '__/_/____ __:%' THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 3)
|| '0' || SUBSTRING(ORDERDATETIME_TXT FROM 4)
        WHEN ORDERDATETIME_TXT LIKE '__/__/____ _:%'THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 11)
|| '0' || SUBSTRING(ORDERDATETIME_TXT FROM 12)
        WHEN ORDERDATETIME_TXT LIKE '__/_/____ _:%' THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 3)
|| '0' || SUBSTRING(ORDERDATETIME_TXT FROM 4 FOR 7) ||'0' || SUBSTRING(ORDERDATETIME_TXT FROM 11)

        ELSE ORDERDATETIME_TXT
     END AS TIMESTAMP(0) FORMAT 'mm/dd/YYYYBhh:mi:ssBt') AS ORDER_DATETIME,


    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'SampleStatus=\w+',1,1),'SampleStatus=','') AS VARCHAR(50))
AS Sample_Status,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'UserNameSystemName=\w+',1,1),'UserNameSystemName=','') AS VA
RCHAR(50))  AS User_Name_System_Name,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ReagentName=\w+',1,1),'ReagentName=','') AS VARCHAR(50))  AS
 Reagent_Name,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ReagentPackID=\w+',1,1),'ReagentPackID=','') AS VARCHAR(50))
  AS Reagent_Pack_ID,
```

```
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'AspirationDate=\d+\/\d+\/\d+ \d+\:\d+\:\d+
\w+',1,1),'AspirationDate=','') AS VARCHAR(50)) ASASPIRATIONDATE_TXT,

       CAST(CASE
        WHEN ASPIRATIONDATE_TXT LIKE '_/_/____ _:%'  THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 3FOR 2) || SUBSTRING(ASPIRATIONDATE_TXT FROM 5 FOR 5)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 10)
        WHEN ASPIRATIONDATE_TXT LIKE '_/__/____ _:%' THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| SUBSTRING(ASPIRATIONDATE_TXT FROM 3 FOR 8) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 11)
        WHEN ASPIRATIONDATE_TXT LIKE '_/_/____ __:%' THEN '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM3)
        WHEN ASPIRATIONDATE_TXT LIKE '_/__/____ __:%' THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| SUBSTRING(ASPIRATIONDATE_TXT FROM 3)
        WHEN ASPIRATIONDATE_TXT LIKE '__/_/____ __:%' THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 3)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 4)
        WHEN ASPIRATIONDATE_TXT LIKE '__/__/____ _:%'THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 11)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 12)
        WHEN ASPIRATIONDATE_TXT LIKE '__/_/____ _:%' THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 3)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 4 FOR 7) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 11)

        ELSE ASPIRATIONDATE_TXT
     END AS TIMESTAMP(0) FORMAT 'mm/dd/YYYYBhh:mi:ssBt') AS ASPIRATION_DATETIME,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'DBSynchID=\w+',1,1),'DBSynchID=','') AS VARCHAR(50))  AS DBS
ynch_ID

    FROM "HC_PRD_D_ACLO_BAS_0_14_0_0_0_0_0_0"."D_CALIBRATION";
```

```
/*** first create detail table then create ext table ***/

CREATE VIEW HC_PRD_D_RDDL_INVITRO_0_1_0_0_0_0_0_0.AAA_D_CALIBRATION_DETAIL AS
    SELECT

    ACTIONOPERATIONTASK_ID,
    ASSAYLOT,
    ASSAYNAME,
    BAS_LOAD_DTTM,
    CALIBRATORLOT,
    ----CITY,
   ------ COUNTRY_NAME,
    CREATED,
    CREATED_DATE,
```

```
   ------ CUSTOMER_NAME,
    DATETIMEUTC,
    DETAILS,


    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'SLOPE=\-?\d+(\,?\d*)*\.?\d*',1,1),'SLOPE=','') AS FLOAT)  AS
SLOPE,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'INTERCEPT=\-?\d+(\,?\d*)*\.?\d*',1,1),'INTERCEPT=','') AS
FLOAT)  AS INTERCEPT,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CalibratorName=\w+',1,1),'CalibratorName=','') AS
VARCHAR(50))  AS CALIBRATORNAME,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CalibratorID=\w+',1,1),'CalibratorID=','') AS
VARCHAR(50))  AS CALIBRATORID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ReagentProductCode=\w+',1,1),'ReagentProductCode=','') AS
VARCHAR(50)) AS REAGENTPRODUCTCODE,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'MethodName=\w+',1,1),'MethodName=','') AS VARCHAR(50))  AS
METHODNAME,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Concentration=\w+',1,1),'L1-Concentration=','') AS
VARCHAR(50))  AS L1_CONCENTRATION,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Sample_ID=\w+',1,1),'L1-Sample_ID=','') AS
VARCHAR(50))  AS L1_SAMPLE_ID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Result=\w+',1,1),'L1-Result=','') AS VARCHAR(50))  AS
L1_RESULT,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUMean=\w+',1,1),'L1-RLUMean=','') AS VARCHAR(50))  AS
L1_RLUMEAN,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUReplicate1=\w+',1,1),'L1-RLUReplicate1=','') AS
VARCHAR(50))  AS L1_RLUREPLICATE1,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUReplicate2=\w+',1,1),'L1-RLUReplicate2=','') AS
VARCHAR(50))  AS L1_RLUREPLICATE2,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUReplicate3=\w+',1,1),'L1-RLUReplicate3=','') AS
VARCHAR(50))  AS L1_RLUREPLICATE3,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Flags=\w+',1,1),'L1-Flags=','') AS VARCHAR(50))  AS
L1_FLAGS,

    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Concentration=\w+',1,1),'L2-Concentration=','') AS
VARCHAR(50))  AS L2_CONCENTRATION,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Sample_ID=\w+',1,1),'L2-Sample_ID=','') AS
VARCHAR(50))  AS L2_SAMPLE_ID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Result=\w+',1,1),'L2-Result=','') AS VARCHAR(50))  AS
L2_RESULT,
```

```
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUMean=\w+',1,1),'L2-RLUMean=','') AS VARCHAR(50))  AS
L2_RLUMEAN,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUReplicate1=\w+',1,1),'L2-RLUReplicate1=','') AS
VARCHAR(50))  AS L2_RLUREPLICATE1,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUReplicate2=\w+',1,1),'L2-RLUReplicate2=','') AS
VARCHAR(50))  AS L2_RLUREPLICATE2,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUReplicate3=\w+',1,1),'L2-RLUReplicate3=','') AS
VARCHAR(50))  AS L2_RLUREPLICATE3,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Flags=\w+',1,1),'L2-Flags=','') AS VARCHAR(50))  AS
L2_FLAGS,

    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Units=\w+',1,1),'Units=','') AS VARCHAR(50))  AS UNITS,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CheckSum=\w+',1,1),'CheckSum=','') AS VARCHAR(50))  AS
CHECKSUM,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'RackID=\w+',1,1),'RackID=','') AS VARCHAR(50))  AS RACKID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'OrderDateTime=\d+\/\d+\/\d+ \d+\:\d+\:\d+
\w+',1,1),'OrderDateTime=','') AS VARCHAR(50) ) AS ORDERDATETIME_TXT,

   CAST(CASE
        WHEN ORDERDATETIME_TXT LIKE '_/_/____ _:%'  THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2) ||
'0' || SUBSTRING(ORDERDATETIME_TXT FROM 3 FOR 2) || SUBSTRING(ORDERDATETIME_TXT FROM 5 FOR 5) || '0' ||
SUBSTRING(ORDERDATETIME_TXT FROM 10)
        WHEN ORDERDATETIME_TXT LIKE '_/__/____ _:%' THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2) ||
SUBSTRING(ORDERDATETIME_TXT FROM 3 FOR 8) || '0' || SUBSTRING(ORDERDATETIME_TXT FROM 11)
        WHEN ORDERDATETIME_TXT LIKE '_/_/____ __:%' THEN '0' || SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2)
|| '0' || SUBSTRING(ORDERDATETIME_TXT FROM 3)
        WHEN ORDERDATETIME_TXT LIKE '_/__/____ __:%' THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2) ||
SUBSTRING(ORDERDATETIME_TXT FROM 3)
        WHEN ORDERDATETIME_TXT LIKE '__/_/____ __:%' THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 3) || '0'
|| SUBSTRING(ORDERDATETIME_TXT FROM 4)
        WHEN ORDERDATETIME_TXT LIKE '__/__/____ _:%'THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 11) || '0'
|| SUBSTRING(ORDERDATETIME_TXT FROM 12)
        WHEN ORDERDATETIME_TXT LIKE '__/_/____ _:%' THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 3) || '0'
|| SUBSTRING(ORDERDATETIME_TXT FROM 4 FOR 7) || '0' || SUBSTRING(ORDERDATETIME_TXT FROM 11)

        ELSE ORDERDATETIME_TXT
     END AS TIMESTAMP(0) FORMAT 'mm/dd/YYYYBhh:mi:ssBt') AS ORDERDATETIME,


    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'SampleStatus=\w+',1,1),'SampleStatus=','') AS
VARCHAR(50))  AS SAMPLESTATUS,
```

```
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'UserNameSystemName=\w+',1,1),'UserNameSystemName=','') AS
VARCHAR(50))  AS USERNAMESYSTEMNAME,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ReagentName=\w+',1,1),'ReagentName=','') AS VARCHAR(50))  AS
REAGENTNAME,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ReagentPackID=\w+',1,1),'ReagentPackID=','') AS
VARCHAR(50))  AS REAGENTPACKID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'AspirationDate=\d+\/\d+\/\d+ \d+\:\d+\:\d+
\w+',1,1),'AspirationDate=','') AS VARCHAR(50)) AS ASPIRATIONDATE_TXT,

       CAST(CASE
        WHEN ASPIRATIONDATE_TXT LIKE '_/_/____ _:%'  THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 3 FOR 2) || SUBSTRING(ASPIRATIONDATE_TXT FROM 5 FOR 5) || '0'
|| SUBSTRING(ASPIRATIONDATE_TXT FROM 10)
        WHEN ASPIRATIONDATE_TXT LIKE '_/__/____ _:%' THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| SUBSTRING(ASPIRATIONDATE_TXT FROM 3 FOR 8) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 11)
        WHEN ASPIRATIONDATE_TXT LIKE '_/_/____ __:%' THEN '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 3)
        WHEN ASPIRATIONDATE_TXT LIKE '_/__/____ __:%' THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| SUBSTRING(ASPIRATIONDATE_TXT FROM 3)
        WHEN ASPIRATIONDATE_TXT LIKE '__/_/____ __:%' THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 3) ||
'0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 4)
        WHEN ASPIRATIONDATE_TXT LIKE '__/__/____ _:%'THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 11) ||
'0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 12)
        WHEN ASPIRATIONDATE_TXT LIKE '__/_/____ _:%' THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 3) || '0'
|| SUBSTRING(ASPIRATIONDATE_TXT FROM 4 FOR 7) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 11)

        ELSE ASPIRATIONDATE_TXT
     END AS TIMESTAMP(0) FORMAT 'mm/dd/YYYYBhh:mi:ssBt') AS ASPIRATIONDATE,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'DBSynchID=\w+',1,1),'DBSynchID=','') AS VARCHAR(50))  AS
DBSYNCHID,

    EXPIRATIONDATETIMEUTC,
    ID,
  -----  MATERIAL_NUMBER,
    NODE_ID,
  -----  NODE_NAME,
   ----- PRODUCT_SECTION_NAME,
  -------- SERIAL_NUMBER,
    STATUS

    FROM "HC_PRD_D_ACLO_BAS_0_14_0_0_0_0_0_0"."D_CALIBRATION";
```

```
    CREATE VIEW "HC_PRD_D_RDDL_INVITRO_0_1_0_0_0_0_0_0"."AAA_D_CALIBRATION_EXT" AS
    SELECT D_CALIBRATION."ACTIONOPERATIONTASK_ID",
        D_CALIBRATION."ASSAYLOT",
        D_CALIBRATION."ASSAYNAME",
        NODE."BAS_LOAD_DTTM",
        D_CALIBRATION."CALIBRATORLOT",
        NODE."CITY",
        COUNTRY."COUNTRY_NAME",
        D_CALIBRATION."CREATED",
        D_CALIBRATION."CREATED_DATE",
        NULL AS "CUSTOMER_NAME",
        COALESCE(CAST(SUBSTR(D_CALIBRATION."DATETIMEUTC",1,20) AS TIMESTAMP(6) FORMAT 'YY-MM-DD:HH:MI:SS'),
NULL) AS "DATETIMEUTC",
        D_CALIBRATION."DETAILS",
        COALESCE(CAST(SUBSTR(D_CALIBRATION."EXPIRATIONDATETIMEUTC",1,20) AS TIMESTAMP(6) FORMAT 'YY-MM-
DD:HH:MI:SS'), NULL) AS "EXPIRATIONDATETIMEUTC",
        D_CALIBRATION."ID",
        NODE."MATERIAL_NUMBER",
        NODE."NODE_ID",
        NODE."NODE_NAME",
        PRODUCT_SECTION."PRODUCT_SECTION_NAME",
        NODE."SERIAL_NUMBER",
        D_CALIBRATION."STATUS",
        D_CALIBRATION."SLOPE",
        D_CALIBRATION."INTERCEPT",
        D_CALIBRATION."CALIBRATORNAME",
        D_CALIBRATION."CALIBRATORID",
        D_CALIBRATION."REAGENTPRODUCTCODE",
        D_CALIBRATION."METHODNAME",
        D_CALIBRATION."L1_CONCENTRATION",
        D_CALIBRATION."L1_SAMPLE_ID",
        D_CALIBRATION."L1_RESULT",
        D_CALIBRATION."L1_RLUMEAN",
        D_CALIBRATION."L1_RLUREPLICATE2",
        D_CALIBRATION."L1_RLUREPLICATE3",
        D_CALIBRATION."L1_FLAGS",
        D_CALIBRATION."L2_CONCENTRATION",
        D_CALIBRATION."L2_SAMPLE_ID",
        D_CALIBRATION."L2_RESULT",
```

```
        D_CALIBRATION."L2_RLUMEAN",
        D_CALIBRATION."L2_RLUREPLICATE1",
        D_CALIBRATION."L2_RLUREPLICATE2",
        D_CALIBRATION."L2_RLUREPLICATE3",
        D_CALIBRATION."L2_FLAGS",
        D_CALIBRATION."UNITS",
        D_CALIBRATION."CHECKSUM",
        D_CALIBRATION."RACKID",
        D_CALIBRATION."ORDERDATETIME",
        D_CALIBRATION."SAMPLESTATUS",
        D_CALIBRATION."USERNAMESYSTEMNAME",
        D_CALIBRATION."REAGENTNAME",
        D_CALIBRATION."REAGENTPACKID",
        D_CALIBRATION."ASPIRATIONDATE",
        D_CALIBRATION."DBSYNCHID"
        FROM "HC_PRD_D_RDDL_INVITRO_0_1_0_0_0_0_0_0"."AAA_D_CALIBRATION_DETAIL" AS D_CALIBRATION LEFT JOIN
"HC_PRD_D_ACLO_BAS_0_14_0_0_0_0_0_0"."NODE" AS NODE ON ( D_CALIBRATION."NODE_ID" = NODE."NODE_ID" ) LEFT
JOIN "HC_PRD_D_ACLO_BAS_0_13_0_0_0_0_0_0"."PRODUCT_SECTION" AS PRODUCT_SECTION ON (
NODE."PRODUCT_SECTION_ID" = PRODUCT_SECTION."PRODUCT_SECTION_ID" ) LEFT JOIN
"HC_PRD_D_ACLO_BAS_0_14_0_0_0_0_0_0"."COUNTRY_NODE" AS COUNTRY ON ( NODE."COUNTRY_ID" =
COUNTRY."COUNTRY_ID" AND NODE."NODE_ID" = COUNTRY."NODE_ID" )
        WHERE EXTRACT(YEAR
        FROM D_CALIBRATION."CREATED") >= 2016
            AND  NODE."MATERIAL_NUMBER" IN
('11065004','11065006','11065464','11066000','11066001','11067000','11068008','11069001','11069004','110690
18','11069020');
```

```
    /******  DROP table "HC_PRD_D_RDDL_INVITRO_0_1_0_0_0_0_0_0"."AAA_D_CALIBRATION_EXT_v2" ****/
   create table "HC_PRD_D_RDDL_INVITRO_0_1_0_0_0_0_0_0"."AAA_D_CALIBRATION_EXT_v2" as
      (select
         D_CALIBRATION."ACTIONOPERATIONTASK_ID",
         D_CALIBRATION."ASSAYLOT",
         D_CALIBRATION."ASSAYNAME",
         NODE."BAS_LOAD_DTTM",
         D_CALIBRATION."CALIBRATORLOT",
         NODE."CITY",
         COUNTRY."COUNTRY_NAME",
         D_CALIBRATION."CREATED",
         D_CALIBRATION."CREATED_DATE",
         null as "CUSTOMER_NAME",
```

```
        coalesce(CAST(substr(D_CALIBRATION."DATETIMEUTC",1,20) AS TIMESTAMP(6) FORMAT 'YY-MM-
DD:HH:MI:SS'), null)  as "DATETIMEUTC",
        D_CALIBRATION."DETAILS",
        coalesce(CAST(substr(D_CALIBRATION."EXPIRATIONDATETIMEUTC",1,20) AS TIMESTAMP(6) FORMAT 'YY-MM-
DD:HH:MI:SS'), null) as "EXPIRATIONDATETIMEUTC",
        D_CALIBRATION."ID",
        NODE."MATERIAL_NUMBER",
        NODE."NODE_ID",
        NODE."NODE_NAME",
        PRODUCT_SECTION."PRODUCT_SECTION_NAME",
        NODE."SERIAL_NUMBER",
        D_CALIBRATION."STATUS",

    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'SLOPE=\s?\-?\d+\.?\d*',1,1),'SLOPE=','') AS FLOAT) AS SLOPE,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'INTERCEPT=\s?\-?\d+\.?\d*',1,1),'INTERCEPT=','') AS FLOAT)
AS INTERCEPT,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Correlation Coeff=\s?\-?\d+\.?\d*',1,1),'Correlation
Coeff=','') AS FLOAT) AS Correlation_Coeff,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'OPERATOR_ID=\w+',1,1),'OPERATOR_ID=','') AS VARCHAR(20)) AS
OPERATOR_ID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Calibration ID=\d+',1,1),'Calibration ID=','') AS
VARCHAR(5))  AS CALIBRATION_ID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Calibration Method=\w+',1,1),'Calibration Method=','') AS
VARCHAR(50))  AS CALIBRATION_METHOD,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Percent Deviation=\s?\-?\d+\.?\d*',1,1),'Percent
Deviation=','') AS VARCHAR(50))  AS Percent_Deviation,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Criteria=\s?\-?\d+\.?\d*',1,1),'Criteria=','') AS
VARCHAR(50))  AS Criteria,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Prereaction Limit=\s?\-?\d+\.?\d*',1,1),'Prereaction
Limit=','') AS VARCHAR(50))  AS Prereaction_Limit,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Calibration Type=\w+(\s?\w*)*',1,1),'Calibration Type=','')
AS VARCHAR(50))  AS Calibration_Type,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Server=\w+(\s?\w*)*',1,1),'Server=','') AS VARCHAR(50))  AS
Server,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'C0=\s?\-?\d+\.?\d*',1,1),'C0=','') AS FLOAT) AS C0,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'C1=\s?\-?\d+\.?\d*',1,1),'C1=','') AS FLOAT) AS C1,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'C2=\s?\-?\d+\.?\d*',1,1),'C2=','') AS FLOAT) AS C2,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'C3=\s?\-?\d+\.?\d*',1,1),'C3=','') AS FLOAT) AS C3,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'C4=\s?\-?\d+\.?\d*',1,1),'C4=','') AS FLOAT) AS C4,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'C5=\s?\-?\d+\.?\d*',1,1),'C5=','') AS FLOAT) AS C5,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'C6=\s?\-?\d+\.?\d*',1,1),'C6=','') AS FLOAT) AS C6,
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    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'C7=\s?\-?\d+\.?\d*',1,1),'C7=','') AS FLOAT) AS C7,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'C8=\s?\-?\d+\.?\d*',1,1),'C8=','') AS FLOAT) AS C8,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'C9=\s?\-?\d+\.?\d*',1,1),'C9=','') AS FLOAT) AS C9,


    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'User Code=\w+',1,1),'User Code=','') AS VARCHAR(50)) AS
USER_CODE,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'R1 Pack=\w+',1,1),'R1 Pack=','') AS VARCHAR(50))  AS
R1_PACK,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'R2 Pack=\w+',1,1),'R2 Pack=','') AS VARCHAR(50))  AS
R2_PACK,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'RBL Precision=\w+',1,1),'RBL Precision=','') AS
VARCHAR(50))  AS RBL_Precision,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Value Of RBL=\w+',1,1),'Value Of RBL=','') AS
VARCHAR(50))  AS Value_Of_RBL,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Sample Type=\w+',1,1),'Sample Type=','') AS VARCHAR(50))  AS
SAMPLE_TYPE,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'FORMULA_NUMBER=\d+',1,1),'FORMULA_NUMBER=','') AS
VARCHAR(4)) AS FORMULA_NUMBER,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CalLot_R1Lot_R2Lot=\w+(\s?\w*)*',1,1),'CalLot_R1Lot_R2Lot=',
'') AS VARCHAR(200))  AS CalLot_R1Lot_R2Lot,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'BLKFV_BLKMean_ABS-RB=(\s?\-
?\d+\.?\d*)+',1,1),'BLKFV_BLKMean_ABS-RB=','') AS VARCHAR(200))  AS BLKFV_BLKMean_ABS_RB,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'STD1FV_STD1Mean_ABS-RB=(\s?\-
?\d+\.?\d*)+',1,1),'STD1FV_STD1Mean_ABS-RB=','') AS VARCHAR(200))  AS STD1FV_STD1Mean_ABS_RB,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'STD2FV_STD2Mean_ABS-RB=(\s?\-
?\d+\.?\d*)+',1,1),'STD2FV_STD2Mean_ABS-RB=','') AS VARCHAR(200))  AS STD2FV_STD2Mean_ABS_RB,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'STD3FV_STD3Mean_ABS-RB=(\s?\-
?\d+\.?\d*)+',1,1),'STD3FV_STD3Mean_ABS-RB=','') AS VARCHAR(200))  AS STD3FV_STD3Mean_ABS_RB,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'STD4FV_STD4Mean_ABS-RB=(\s?\-
?\d+\.?\d*)+',1,1),'STD4FV_STD4Mean_ABS-RB=','') AS VARCHAR(200))  AS STD4FV_STD4Mean_ABS_RB,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'STD5FV_STD5Mean_ABS-RB=(\s?\-
?\d+\.?\d*)+',1,1),'STD5FV_STD5Mean_ABS-RB=','') AS VARCHAR(200))  AS STD5FV_STD5Mean_ABS_RB,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'RBL_Check_Results=\s?\w+(\s?\w+|\s?\-
+)*',1,1),'RBL_Check_Results=','') AS VARCHAR(50)) AS RBL_Check_Results,

    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ALLERGEN_CODE=\w+',1,1),'ALLERGEN_CODE=','') AS VARCHAR(20))
AS ALLERGEN_CODE,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ALLERGEN_LOT=\w+',1,1),'ALLERGEN_LOT=','') AS VARCHAR(20))
AS ALLERGEN_LOT,
```

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    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Standard A Lot=\w+',1,1),'Standard A Lot=','') AS
VARCHAR(50)) AS STDA_LOT,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Standard B Lot=\w+',1,1),'Standard B Lot=','') AS
VARCHAR(50)) AS STDB_LOT,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Flush Lot=\w+',1,1),'Flush Lot=','') AS VARCHAR(50)) AS
FLUSH_LOT,
    CASE WHEN REGEXP_INSTR(DETAILS,'Salt Soln Lot=') > 0 AND REGEXP_INSTR(DETAILS,'(..?\/..?\/.. ..\:..)')
> 0 THEN
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Salt Soln Lot=\s?..?\/..?\/.. ..\:..',1,1),'Salt Soln
Lot=','') AS VARCHAR(50))
         WHEN REGEXP_INSTR(DETAILS,'Salt Soln Lot=') > 0
THEN  CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Salt Soln Lot=\w+',1,1),'Salt Soln Lot=','') AS
VARCHAR(50)) END AS Salt_Soln_Lot,

    CASE WHEN REGEXP_INSTR(DETAILS,'Diluent Lot=\s?..\:..') > 0  THEN
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Diluent Lot=\s?..\:..',1,1),'Diluent Lot=','') AS
VARCHAR(50))
         WHEN REGEXP_INSTR(DETAILS,'Diluent Lot=') > 0
THEN  CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Diluent Lot=\w+',1,1),'Diluent Lot=','') AS VARCHAR(50))
END AS Diluent_Lot,
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Na Slope=\s?\-?\d+\.?\d*',1,1),'Na Slope=','') AS
VARCHAR(50))  AS Na_Slope,
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'K Slope=\s?\-?\d+\.?\d*',1,1),'K Slope=','') AS
VARCHAR(50))  AS K_Slope,
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Cl Slope=\s?\-?\d+\.?\d*',1,1),'Cl Slope=','') AS
VARCHAR(50))  AS Cl_Slope,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Air Detect=\s?\-?\d+\.?\d*',1,1),'Air Detect=','') AS
VARCHAR(50))  AS Air_Detect,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Liquid=\s?\-?\d+\.?\d*',1,1),'Liquid=','') AS
VARCHAR(50))  AS Liquid,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CALR_SAMP_ID=\w+',1,1),'CALR_SAMP_ID=','') AS
VARCHAR(50))  AS CALR_SAMP_ID,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'TEST_UNITS=\s?\%?\s?\w+',1,1),'TEST_UNITS=','') AS
VARCHAR(50))  AS TEST_UNITS,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CURVE_SLOPE=\s?\-?\d+\.?\d*',1,1),'CURVE_SLOPE=','') AS
VARCHAR(50))  AS CURVE_SLOPE,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CURVE_INTERCEPT=\s?\-
?\d+\.?\d*',1,1),'CURVE_INTERCEPT=','') AS VARCHAR(50))  AS CURVE_INTERCEPT,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CALR_REPL_MEAN=\s?\-?\d+\.?\d*',1,1),'CALR_REPL_MEAN=','')
AS VARCHAR(50))  AS CALR_REPL_MEAN,
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     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CALR_RSLT_CONC=\s?\-?\d+\.?\d*',1,1),'CALR_RSLT_CONC=','')
AS VARCHAR(50))  AS CALR_RSLT_CONC,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CURVE_CAL_RATIO=\s?\-
?\d+\.?\d*',1,1),'CURVE_CAL_RATIO=','') AS VARCHAR(50))  AS CURVE_CAL_RATIO,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CURVE_DEVIATION=\s?\-
?\d+\.?\d*',1,1),'CURVE_DEVIATION=','') AS VARCHAR(50))  AS CURVE_DEVIATION,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CURVE_RATIO_MIN_SD=\s?\-
?\d+\.?\d*',1,1),'CURVE_RATIO_MIN_SD=','') AS VARCHAR(50))  AS CURVE_RATIO_MIN_SD,

     -----
CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ISE_Type_CalLot_Exp=\w+(\s?\w*\s?\.?\.*)*',1,1),'ISE_Type_CalLot
_Exp=','') AS VARCHAR(200))  AS ISE_Type_CalLot_Exp,
     CASE WHEN DETAILS LIKE '%ISE_Type_CalLot_Exp=%' AND DETAILS LIKE  '%__/__/__%' THEN
          CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ISE_Type_CalLot_Exp=\w+(\/?\s*\w*|\s*\w*\/?\w*\/?\w*)*
',1,1),'ISE_Type_CalLot_Exp=','') AS VARCHAR(200))
     ELSE
          CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ISE_Type_CalLot_Exp=\w+(\s?\w*\s?\.?\.*)*',1,1),'ISE_T
ype_CalLot_Exp=','') AS VARCHAR(200)) END  AS ISE_Type_CalLot_Exp,

    ---- RTRIM(CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ISE_ELEC_LOT_Exp_Install=\w+(\s*\w*|\s*\-
?\d*\.?\d*)*',1,1),'ISE_ELEC_LOT_Exp_Install=','') AS VARCHAR(50)))  AS ISE_ELEC_LOT_Exp_Install,
     CASE WHEN DETAILS LIKE '%ISE_ELEC_LOT_Exp_Install=%' AND DETAILS LIKE  '%__/__/__%' THEN
          CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ISE_ELEC_LOT_Exp_Install=\w+(\/?\s*\w*|\s*\w*\/?\w*\/?
\w*)*',1,1),'ISE_ELEC_LOT_Exp_Install=','') AS VARCHAR(200))
     ELSE
          CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ISE_ELEC_LOT_Exp_Install=\w+(\s?\w*\s?\.?\.*)*',1,1),'
ISE_ELEC_LOT_Exp_Install=','') AS VARCHAR(200)) END  AS ISE_ELEC_LOT_Exp_Install,

   -----  RTRIM(CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'REF_ELEC_LOT_Exp_Install=\w+(\s*\w*|\s*\-
?\d*\.?\d*)*',1,1),'REF_ELEC_LOT_Exp_Install=','') AS VARCHAR(50))) AS REF_ELEC_LOT_Exp_Install,
        CASE WHEN DETAILS LIKE '%REF_ELEC_LOT_Exp_Install=%' AND DETAILS LIKE  '%__/__/__%' THEN
          CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'REF_ELEC_LOT_Exp_Install=\w+(\/?\s*\w*|\s*\w*\/?\w*\/?
\w*)*',1,1),'REF_ELEC_LOT_Exp_Install=','') AS VARCHAR(200))
     ELSE
          CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'REF_ELEC_LOT_Exp_Install=\w+(\s?\w*\s?\.?\.*)*',1,1),'
REF_ELEC_LOT_Exp_Install=','') AS VARCHAR(200)) END  AS REF_ELEC_LOT_Exp_Install,

     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ISE_ELEC_HSTD_HBuff_LSTD_LBuff_Slope_Dil=\w+(\s*\-
?\w*\.?\w*)*',1,1),'ISE_ELEC_HSTD_HBuff_LSTD_LBuff_Slope_Dil=','') AS VARCHAR(200))  AS
ISE_ELEC_HSTD_HBuff_LSTD_LBuff_Slope_Dil,
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     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'TH1_HSTD_HBuff_LSTD_LBuff=\w+(\s*\-
?\w*\.?\w*)*',1,1),'TH1_HSTD_HBuff_LSTD_LBuff=','') AS VARCHAR(200))  AS TH1_HSTD_HBuff_LSTD_LBuff,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'TH2_HSTD_HBuff_LSTD_LBuff=\w+(\s*\-
?\w*\.?\w*)*',1,1),'TH2_HSTD_HBuff_LSTD_LBuff=','') AS VARCHAR(200))  AS TH2_HSTD_HBuff_LSTD_LBuff,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CL_BIAS_HSTD=\s*\-?\w+\.?\w*',1,1),'CL_BIAS_HSTD=','') AS
VARCHAR(200))  AS CL_BIAS_HSTD,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'REF_ELEC_HSTD= \s*\-?\w+\.?\w*',1,1),'REF_ELEC_HSTD= ','')
AS VARCHAR(200))  AS REF_ELEC_HSTD,

     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CalibratorName=\w+',1,1),'CalibratorName=','') AS
VARCHAR(50)) AS CALIBRATOR_NAME,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CalibratorID=\w+',1,1),'CalibratorID=','') AS VARCHAR(50))
AS CALIBRATOR_ID,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ReagentProductCode=\w+',1,1),'ReagentProductCode=','') AS
VARCHAR(50)) AS REAGENT_PRODUCT_CODE,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'MethodName=\w+',1,1),'MethodName=','') AS VARCHAR(50)) AS
METHOD_NAME,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Concentration=\w+(\.?\w*|\,?\w*)*',1,1),'L1-
Concentration=','') AS VARCHAR(50))  AS L1_CONCENTRATION,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Sample_ID=\:\%\w+',1,1),'L1-Sample_ID=','') AS
VARCHAR(50))  AS L1_SAMPLE_ID,

    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Result=\w+(\.?\w*)',1,1),'L1-Result=','') AS
VARCHAR(50))  AS L1_RESULT,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUMean=\w+(\.?\w*)',1,1),'L1-RLUMean=','') AS
VARCHAR(50))  AS L1_RLUMEAN,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUReplicate1=\w+(\.?\w*)',1,1),'L1-RLUReplicate1=','')
AS VARCHAR(50))  AS L1_RLUREPLICATE1,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUReplicate2=\w+(\.?\w*)',1,1),'L1-RLUReplicate2=','')
AS VARCHAR(50))  AS L1_RLUREPLICATE2,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-RLUReplicate3=\w+(\.?\w*)',1,1),'L1-RLUReplicate3=','')
AS VARCHAR(50))  AS L1_RLUREPLICATE3,

    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L1-Flags=\w+',1,1),'L1-Flags=','') AS VARCHAR(50))  AS
L1_FLAGS,

     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Concentration=\w+(\.?\w*|\,?\w*)*',1,1),'L2-
Concentration=','') AS VARCHAR(50))  AS L2_CONCENTRATION,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Sample_ID=\:\%\w+',1,1),'L2-Sample_ID=','') AS
VARCHAR(50))  AS L2_SAMPLE_ID,
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    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Result=\w+(\.?\w*)',1,1),'L2-Result=','') AS
VARCHAR(50))  AS L2_RESULT,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUMean=\w+(\.?\w*)',1,1),'L2-RLUMean=','') AS
VARCHAR(50))  AS L2_RLUMEAN,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUReplicate1=\w+(\.?\w*)',1,1),'L2-RLUReplicate1=','')
AS VARCHAR(50))  AS L2_RLUREPLICATE1,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUReplicate2=\w+(\.?\w*)',1,1),'L2-RLUReplicate2=','')
AS VARCHAR(50))  AS L2_RLUREPLICATE2,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-RLUReplicate3=\w+(\.?\w*)',1,1),'L2-RLUReplicate3=','')
AS VARCHAR(50))  AS L2_RLUREPLICATE3,

    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'L2-Flags=\w+',1,1),'L2-Flags=','') AS VARCHAR(50))  AS
L2_FLAGS,

     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'Units=\w+(\/\w+)*',1,1),'Units=','') AS VARCHAR(50))  AS
UNITS,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'CheckSum=\w+',1,1),'CheckSum=','') AS VARCHAR(50))  AS
CHECKSUM,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'RackID=\w+',1,1),'RackID=','') AS VARCHAR(50))  AS RACKID,
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'OrderDateTime=\d+\/\d+\/\d+ \d+\:\d+\:\d+
\w+',1,1),'OrderDateTime=','') AS VARCHAR(50) ) AS ORDERDATETIME_TXT,

   CAST(CASE
        WHEN ORDERDATETIME_TXT LIKE '_/_/____ _:%'  THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2) ||
'0' || SUBSTRING(ORDERDATETIME_TXT FROM 3 FOR 2) || SUBSTRING(ORDERDATETIME_TXT FROM 5 FOR 5) || '0' ||
SUBSTRING(ORDERDATETIME_TXT FROM 10)
        WHEN ORDERDATETIME_TXT LIKE '_/__/____ _:%' THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2) ||
SUBSTRING(ORDERDATETIME_TXT FROM 3 FOR 8) || '0' || SUBSTRING(ORDERDATETIME_TXT FROM 11)
        WHEN ORDERDATETIME_TXT LIKE '_/_/____ __:%' THEN '0' || SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2)
|| '0' || SUBSTRING(ORDERDATETIME_TXT FROM 3)
        WHEN ORDERDATETIME_TXT LIKE '_/__/____ __:%' THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 2) ||
SUBSTRING(ORDERDATETIME_TXT FROM 3)
        WHEN ORDERDATETIME_TXT LIKE '__/_/____ __:%' THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 3) || '0'
|| SUBSTRING(ORDERDATETIME_TXT FROM 4)
        WHEN ORDERDATETIME_TXT LIKE '__/__/____ _:%'THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 11) || '0'
|| SUBSTRING(ORDERDATETIME_TXT FROM 12)
        WHEN ORDERDATETIME_TXT LIKE '__/_/____ _:%' THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 3) || '0'
|| SUBSTRING(ORDERDATETIME_TXT FROM 4 FOR 7) || '0' || SUBSTRING(ORDERDATETIME_TXT FROM 11)

        ELSE ORDERDATETIME_TXT
     END AS TIMESTAMP(0) FORMAT 'mm/dd/YYYYBhh:mi:ssBt') AS ORDERDATETIME,
```

```
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'SampleStatus=\w+',1,1),'SampleStatus=','') AS
VARCHAR(50))  AS SAMPLESTATUS,
     CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'UserNameSystemName=\w+(\-
?\w*)*',1,1),'UserNameSystemName=','') AS VARCHAR(50))  AS USERNAMESYSTEMNAME,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ReagentName=\w+',1,1),'ReagentName=','') AS VARCHAR(50))  AS
REAGENTNAME,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'ReagentPackID=\w+',1,1),'ReagentPackID=','') AS
VARCHAR(50))  AS REAGENTPACKID,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'AspirationDate=\d+\/\d+\/\d+ \d+\:\d+\:\d+
\w+',1,1),'AspirationDate=','') AS VARCHAR(50)) AS ASPIRATIONDATE_TXT,

       CAST(CASE
        WHEN ASPIRATIONDATE_TXT LIKE '_/_/____ _:%'  THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 3 FOR 2) || SUBSTRING(ASPIRATIONDATE_TXT FROM 5 FOR 5) || '0'
|| SUBSTRING(ASPIRATIONDATE_TXT FROM 10)
        WHEN ASPIRATIONDATE_TXT LIKE '_/__/____ _:%' THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| SUBSTRING(ASPIRATIONDATE_TXT FROM 3 FOR 8) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 11)
        WHEN ASPIRATIONDATE_TXT LIKE '_/_/____ __:%' THEN '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 3)
        WHEN ASPIRATIONDATE_TXT LIKE '_/__/____ __:%' THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 2)
|| SUBSTRING(ASPIRATIONDATE_TXT FROM 3)
        WHEN ASPIRATIONDATE_TXT LIKE '__/_/____ __:%' THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 3) ||
'0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 4)
        WHEN ASPIRATIONDATE_TXT LIKE '__/__/____ _:%'THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 11) ||
'0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 12)
        WHEN ASPIRATIONDATE_TXT LIKE '__/_/____ _:%' THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR 3) || '0'
|| SUBSTRING(ASPIRATIONDATE_TXT FROM 4 FOR 7) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 11)

        ELSE ASPIRATIONDATE_TXT
     END AS TIMESTAMP(0) FORMAT 'mm/dd/YYYYBhh:mi:ssBt') AS ASPIRATIONDATE,
    CAST(REGEXP_REPLACE(REGEXP_SUBSTR(DETAILS,'DBSynchID=\w+',1,1),'DBSynchID=','') AS VARCHAR(50))  AS
DBSYNCHID
      from
         "HC_PRD_D_RDDL_INVITRO_0_1_0_0_0_0_0_0"."AAA_D_CALIBRATION_DETAIL" as D_CALIBRATION left join
         "HC_PRD_D_ACLO_BAS_0_14_0_0_0_0_0_0"."NODE" as NODE
            on
            (
               D_CALIBRATION."NODE_ID" = NODE."NODE_ID"
            ) left join
```

```
         "HC_PRD_D_ACLO_BAS_0_13_0_0_0_0_0_0"."PRODUCT_SECTION" as PRODUCT_SECTION
            on
            (
               NODE."PRODUCT_SECTION_ID" = PRODUCT_SECTION."PRODUCT_SECTION_ID"
            ) left join
         "HC_PRD_D_ACLO_BAS_0_14_0_0_0_0_0_0"."COUNTRY_NODE" as COUNTRY
            on
            (
               NODE."COUNTRY_ID" = COUNTRY."COUNTRY_ID"
               and NODE."NODE_ID" = COUNTRY."NODE_ID"
            )
      where
         EXTRACT(YEAR FROM D_CALIBRATION."CREATED") >= 2016
         and NODE."MATERIAL_NUMBER" IN
('11065004','11065006','11065464','11066000','11066001','11067000','11068008','11069001','11069004','110690
18','11069020')) with data;
```

```
proc sql;
   connect to TERADATA
   (
       DBSLICEPARM=(THREADED_APPS,4) SERVER=BASDW  AUTHDOMAIN="TeradataAuthPRD"
   );
  /* CREATE THE CALENDAR TABLE */
   execute
   (
      CREATE VOLATILE TABLE CALENDAR_TABLE AS
      (SELECT
       CALENDAR_DATE
       FROM SYS_CALENDAR.Calendar
       WHERE SYS_CALENDAR.Calendar.calendar_date BETWEEN  '2016-04-18' AND CURRENT_DATE
    /*WHERE SYS_CALENDAR.Calendar.calendar_date BETWEEN ADD_MONTHS(CURRENT_DATE,-13) AND CURRENT_DATE */
) WITH DATA
ON COMMIT PRESERVE ROWS

   ) by TERADATA;
   execute (commit) by TERADATA;
```

```
proc sql;
   connect to TERADATA
   (
```

```
      DBSLICEPARM=(THREADED_APPS,4) SERVER=BASDW AUTHDOMAIN="TeradataAuthPRD"
   );
   execute
   (
      create view "HC_PRD_D_RDDL_INVITRO_0_1_0_0_0_0_0_0"."AAA_D_CALIBRATION" as
      select
         D_CALIBRATION."ACTIONOPERATIONTASK_ID",
         D_CALIBRATION."ASSAYLOT",
         D_CALIBRATION."ASSAYNAME",
         NODE."BAS_LOAD_DTTM",
         D_CALIBRATION."CALIBRATORLOT",
         NODE."CITY",
         COUNTRY."COUNTRY_NAME",
         D_CALIBRATION."CREATED",
         D_CALIBRATION."CREATED_DATE",
         NODE."ACCOUNT_NAME" as "CUSTOMER_NAME",
         coalesce(CAST(substr(D_CALIBRATION."DATETIMEUTC",1,20) AS TIMESTAMP(6) FORMAT 'YY-MM-
DD:HH:MI:SS'), null) as "DATETIMEUTC",
         D_CALIBRATION."DETAILS",
         coalesce(CAST(substr(D_CALIBRATION."EXPIRATIONDATETIMEUTC",1,20) AS TIMESTAMP(6) FORMAT 'YY-MM-
DD:HH:MI:SS'), null) as "EXPIRATIONDATETIMEUTC",
         D_CALIBRATION."ID",
         NODE."MATERIAL_NUMBER",
         NODE."NODE_ID",
         NODE."NODE_NAME",
         PRODUCT_SECTION."PRODUCT_SECTION_NAME",
         NODE."SERIAL_NUMBER",
         D_CALIBRATION."STATUS",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'SLOPE=\s?\-
?\d+\.?\d*',1,1),'SLOPE=','') AS FLOAT) as "SLOPE",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'INTERCEPT=\s?\-
?\d+\.?\d*',1,1),'INTERCEPT=','') AS FLOAT) as "INTERCEPT",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Correlation Coeff=\s?\-
?\d+\.?\d*',1,1),'Correlation Coeff=','') AS FLOAT) as "CORRELATION_COEFF",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'OPERATOR_ID=\w+',1,1),'OPERATOR_ID=',''
) AS VARCHAR(20)) as "OPERATOR_ID",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Calibration ID=\d+',1,1),'Calibration
ID=','') AS VARCHAR(5)) as "CALIBRATION_ID",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Calibration
Method=\w+',1,1),'Calibration Method=','') AS VARCHAR(50)) as "CALIBRATION_METHOD",
```

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        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Percent Deviation=\s?\-
?\d+\.?\d*',1,1),'Percent Deviation=','') AS VARCHAR(50)) as "PERCENT_DEVIATION",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Criteria=\s?\-
?\d+\.?\d*',1,1),'Criteria=','') AS VARCHAR(50)) as "CRITERIA",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Prereaction Limit=\s?\-
?\d+\.?\d*',1,1),'Prereaction Limit=','') AS VARCHAR(50)) as "PREREACTION_LIMIT",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Calibration
Type=\w+(\s?\w*)*',1,1),'Calibration Type=','') AS VARCHAR(50)) as "CALIBRATION_TYPE",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Server=\w+(\s?\w*)*',1,1),'Server=','')
AS VARCHAR(50)) as "SERVER",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'C0=\s?\-?\d+\.?\d*',1,1),'C0=','') AS
FLOAT) as "C0",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'C1=\s?\-?\d+\.?\d*',1,1),'C1=','') AS
FLOAT) as "C1",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'C2=\s?\-?\d+\.?\d*',1,1),'C2=','') AS
FLOAT) as "C2",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'C3=\s?\-?\d+\.?\d*',1,1),'C3=','') AS
FLOAT) as "C3",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'C4=\s?\-?\d+\.?\d*',1,1),'C4=','') AS
FLOAT) as "C4",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'C5=\s?\-?\d+\.?\d*',1,1),'C5=','') AS
FLOAT) as "C5",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'C6=\s?\-?\d+\.?\d*',1,1),'C6=','') AS
FLOAT) as "C6",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'C7=\s?\-?\d+\.?\d*',1,1),'C7=','') AS
FLOAT) as "C7",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'C8=\s?\-?\d+\.?\d*',1,1),'C8=','') AS
FLOAT) as "C8",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'C9=\s?\-?\d+\.?\d*',1,1),'C9=','') AS
FLOAT) as "C9",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'User Code=\w+',1,1),'User Code=','') AS
VARCHAR(50)) as "USER_CODE",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'R1 Pack=\w+',1,1),'R1 Pack=','') AS
VARCHAR(50)) as "R1_PACK",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'R2 Pack=\w+',1,1),'R2 Pack=','') AS
VARCHAR(50)) as "R2_PACK",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'RBL Precision=\w+',1,1),'RBL
Precision=','') AS VARCHAR(50)) as "RBL_PRECISION",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Value Of RBL=\w+',1,1),'Value Of
RBL=','') AS VARCHAR(50)) as "VALUE_OF_RBL",
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        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Sample Type=\w+',1,1),'Sample
Type=','') AS VARCHAR(50)) as "SAMPLE_TYPE",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'FORMULA_NUMBER=\d+',1,1),'FORMULA_NUMBE
R=','') AS VARCHAR(4)) as "FORMULA_NUMBER",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CalLot_R1Lot_R2Lot=\w+(\s?\w*)*',1,1),'
CalLot_R1Lot_R2Lot=','') AS VARCHAR(200)) as "CALLOT_R1LOT_R2LOT",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'BLKFV_BLKMean_ABS-RB=(\s?\-
?\d+\.?\d*)+',1,1),'BLKFV_BLKMean_ABS-RB=','') AS VARCHAR(200)) as "BLKFV_BLKMEAN_ABS_RB",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR
        (D_CALIBRATION."DETAILS",'STD1FV_STD1Mean_ABS-RB=(\s?\-?\d+\.?\d*)+',1,1),'STD1FV_STD1Mean_ABS-
RB=','') AS VARCHAR(200)) as "STD1FV_STDMEAN_ABS_RB",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR
        (D_CALIBRATION."DETAILS",'STD2FV_STD2Mean_ABS-RB=(\s?\-?\d+\.?\d*)+',1,1),'STD2FV_STD2Mean_ABS-
RB=','') AS VARCHAR(200)) as "STD2FV_STDMEAN_ABS_RB",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR
        (D_CALIBRATION."DETAILS",'STD3FV_STD3Mean_ABS-RB=(\s?\-?\d+\.?\d*)+',1,1),'STD3FV_STD3Mean_ABS-
RB=','') AS VARCHAR(200)) as "STD3FV_STDMEAN_ABS_RB",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR
        (D_CALIBRATION."DETAILS",'STD4FV_STD4Mean_ABS-RB=(\s?\-?\d+\.?\d*)+',1,1),'STD4FV_STD4Mean_ABS-
RB=','') AS VARCHAR(200)) as "STD4FV_STDMEAN_ABS_RB",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR
        (D_CALIBRATION."DETAILS",'STD5FV_STD5Mean_ABS-RB=(\s?\-?\d+\.?\d*)+',1,1),'STD5FV_STD5Mean_ABS-
RB=','') AS VARCHAR(200)) as "STD5FV_STDMEAN_ABS_RB",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'RBL_Check_Results=\s?\w+(\s?\w+|\s?\-
+)*',1,1),'RBL_Check_Results=','') AS VARCHAR(50)) as "RBL_CHECK_RESULTS",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'ALLERGEN_CODE=\w+',1,1),'ALLERGEN_CODE=
','') AS VARCHAR(20)) as "ALLERGEN_CODE",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'ALLERGEN_LOT=\w+',1,1),'ALLERGEN_LOT=',
'') AS VARCHAR(20)) as "ALLERGEN_LOT",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Standard A Lot=\w+',1,1),'Standard A
Lot=','') AS VARCHAR(50)) as "STDA_LOT",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Standard B Lot=\w+',1,1),'Standard B
Lot=','') AS VARCHAR(50)) as "STDB_LOT",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Flush Lot=\w+',1,1),'Flush Lot=','') AS
VARCHAR(50)) as "FLUSH_LOT",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'Salt Soln Lot=') > 0 AND
REGEXP_INSTR(D_CALIBRATION."DETAILS",'(..?\/..?\/.. ..\:..)') > 0 THEN
                CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Salt Soln Lot=\s?..?\/..?\/..
..\:..',1,1),'Salt Soln Lot=','') AS VARCHAR(50))
```

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                WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'Salt Soln Lot=') > 0
THEN  CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Salt Soln Lot=\w+',1,1),'Salt Soln
Lot=','') AS VARCHAR(50)) END as "SALT_SOLN_LOT",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'Diluent Lot=\s?..\:..') > 0  THEN
                CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Diluent
Lot=\s?..\:..',1,1),'Diluent Lot=','') AS VARCHAR(50))
                WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'Diluent Lot=') > 0
THEN  CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Diluent Lot=\w+',1,1),'Diluent Lot=','')
AS VARCHAR(50)) END as "DILUENT_LOT",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Na Slope=\s?\-?\d+\.?\d*',1,1),'Na
Slope=','') AS VARCHAR(50)) as "NA_SLOPE",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'K Slope=\s?\-?\d+\.?\d*',1,1),'K
Slope=','') AS VARCHAR(50)) as "K_SLOPE",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Cl Slope=\s?\-?\d+\.?\d*',1,1),'Cl
Slope=','') AS VARCHAR(50)) as "CL_SLOPE",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Air Detect=\s?\-?\d+\.?\d*',1,1),'Air
Detect=','') AS VARCHAR(50)) as "AIR_DETECT",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Liquid=\s?\-
?\d+\.?\d*',1,1),'Liquid=','') AS VARCHAR(50)) as "LIQUID",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CALR_SAMP_ID=\w+',1,1),'CALR_SAMP_ID=',
'') AS VARCHAR(50)) as "CALR_SAMP_ID",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'TEST_UNITS=\s?\%?\s?\w+',1,1),'TEST_UNI
TS=','') AS VARCHAR(50)) as "TEST_UNITS",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CURVE_SLOPE=\s?\-
?\d+\.?\d*',1,1),'CURVE_SLOPE=','') AS VARCHAR(50)) as "CURVE_SLOPE",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CURVE_INTERCEPT=\s?\-
?\d+\.?\d*',1,1),'CURVE_INTERCEPT=','') AS VARCHAR(50)) as "CURVE_INTERCEPT",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CALR_REPL_MEAN=\s?\-
?\d+\.?\d*',1,1),'CALR_REPL_MEAN=','') AS VARCHAR(50)) as "CALR_REPL_MEAN",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CALR_RSLT_CONC=\s?\-
?\d+\.?\d*',1,1),'CALR_RSLT_CONC=','') AS VARCHAR(50)) as "CALR_RSLT_CONC",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CURVE_CAL_RATIO=\s?\-
?\d+\.?\d*',1,1),'CURVE_CAL_RATIO=','') AS VARCHAR(50)) as "CURVE_CAL_RATIO",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CURVE_DEVIATION=\s?\-
?\d+\.?\d*',1,1),'CURVE_DEVIATION=','') AS VARCHAR(50)) as "CURVE_DEVIATION",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CURVE_RATIO_MIN_SD=\s?\-
?\d+\.?\d*',1,1),'CURVE_RATIO_MIN_SD=','') AS VARCHAR(50)) as "CURVE_RATIO_MIN_SD",
        CASE WHEN D_CALIBRATION."DETAILS" LIKE '%ISE_Type_CalLot_Exp=%' AND D_CALIBRATION."DETAILS"
LIKE  '%__/__/__%' THEN
                CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'ISE_Type_CalLot_Exp=\w+(\/?\s
*\w*|\s*\w*\/?\w*\/?\w*)*',1,1),'ISE_Type_CalLot_Exp=','') AS VARCHAR(200))
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            ELSE
                CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'ISE_Type_CalLot_Exp=\w+(\s?\w
*\s?\.?\.*)*',1,1),'ISE_Type_CalLot_Exp=','') AS VARCHAR(200)) END as "ISE_TYPE_CALLOT_EXP",
        CASE WHEN D_CALIBRATION."DETAILS" LIKE '%ISE_ELEC_LOT_Exp_Install=%' AND D_CALIBRATION."DETAILS"
LIKE  '%__/__/__%' THEN
                CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'ISE_ELEC_LOT_Exp_Install=\w+(
\/?\s*\w*|\s*\w*\/?\w*\/?\w*)*',1,1),'ISE_ELEC_LOT_Exp_Install=','') AS VARCHAR(200))
            ELSE
                CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'ISE_ELEC_LOT_Exp_Install=\w+(
\s?\w*\s?\.?\.*)*',1,1),'ISE_ELEC_LOT_Exp_Install=','') AS VARCHAR(200)) END as "ISE_ELEC_LOT_EXP_INSTALL",
        CASE WHEN D_CALIBRATION."DETAILS" LIKE '%REF_ELEC_LOT_Exp_Install=%' AND D_CALIBRATION."DETAILS"
LIKE  '%__/__/__%' THEN
                CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'REF_ELEC_LOT_Exp_Install=\w+(
\/?\s*\w*|\s*\w*\/?\w*\/?\w*)*',1,1),'REF_ELEC_LOT_Exp_Install=','') AS VARCHAR(200))
            ELSE
                CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'REF_ELEC_LOT_Exp_Install=\w+(
\s?\w*\s?\.?\.*)*',1,1),'REF_ELEC_LOT_Exp_Install=','') AS VARCHAR(200)) END as "REF_ELEC_LOT_EXP_INSTALL",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR
        (D_CALIBRATION."DETAILS",'ISE_ELEC_HSTD_HBuff_LSTD_LBuff_Slope_Dil=\w+(\s*\-
?\w*\.?\w*)*',1,1),'ISE_ELEC_HSTD_HBuff_LSTD_LBuff_Slope_Dil=','') AS VARCHAR(200)) as
"ISE_ELEC_HSTD_HBUFF_LSTD_LBUFF_S",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR
        (D_CALIBRATION."DETAILS",'TH1_HSTD_HBuff_LSTD_LBuff=\w+(\s*\-
?\w*\.?\w*)*',1,1),'TH1_HSTD_HBuff_LSTD_LBuff=','') AS VARCHAR(200)) as "TH1_HSTD_HBuff_LSTD_LBuff",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR
        (D_CALIBRATION."DETAILS",'TH2_HSTD_HBuff_LSTD_LBuff=\w+(\s*\-
?\w*\.?\w*)*',1,1),'TH2_HSTD_HBuff_LSTD_LBuff=','') AS VARCHAR(200)) as "TH2_HSTD_HBUFF_LSTD_LBUFF",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CL_BIAS_HSTD=\s*\-
?\w+\.?\w*',1,1),'CL_BIAS_HSTD=','') AS VARCHAR(200)) as "CL_BIAS_HSTD",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'REF_ELEC_HSTD= \s*\-
?\w+\.?\w*',1,1),'REF_ELEC_HSTD= ','') AS VARCHAR(200)) as "REF_ELEC_HSTD",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CalibratorName=\w+',1,1),'CalibratorNam
e=','') AS VARCHAR(50)) as "CALIBRATOR_NAME",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CalibratorID=\w+',1,1),'CalibratorID=',
'') AS VARCHAR(50)) as "CALIBRATOR_ID",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'ReagentProductCode=\w+',1,1),'ReagentPr
oductCode=','') AS VARCHAR(50)) as "REAGENT_PRODUCT_CODE",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'MethodName=\w+',1,1),'MethodName=','')
AS VARCHAR(50)) as "METHOD_NAME",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L1-Sample_ID=\:\%\w+',1,1),'L1-
Sample_ID=','') AS VARCHAR(50)) as "L1_SAMPLE_ID",
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        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L1-Concentration=\d+(\.?\d*|\,?\d*)*',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L1-
Concentration=\d+(\.?\d*|\,?\d*)*',1,1),'L1-Concentration=','') AS FLOAT)
                        ELSE NULL END as "L1_CONCENTRATION",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L1-Result=\d+(\.?\d*)',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L1-
Result=\d+(\.?\d*)',1,1),'L1-Result=','') AS FLOAT)
                        ELSE NULL END as "L1_RESULT",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L1-RLUMean=\d+(\.?\d*)',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L1-
RLUMean=\d+(\.?\d*)',1,1),'L1-RLUMean=','') AS FLOAT)
                        ELSE NULL END as "L1_RLUMEAN",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L1-RLUReplicate1=\d+(\.?\d*)',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L1-
RLUReplicate1=\d+(\.?\d*)',1,1),'L1-RLUReplicate1=','') AS FLOAT)
                        ELSE NULL END as "L1_RLUREPLICATE1",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L1-RLUReplicate2=\d+(\.?\d*)',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L1-
RLUReplicate2=\d+(\.?\d*)',1,1),'L1-RLUReplicate2=','') AS FLOAT)
                        ELSE NULL END as "L1_RLUREPLICATE2",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L1-RLUReplicate3=\d+(\.?\d*)',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L1-
RLUReplicate3=\d+(\.?\d*)',1,1),'L1-RLUReplicate3=','') AS FLOAT)
                        ELSE NULL END as "L1_RLUREPLICATE3",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L1-Flags=\w+',1,1),'L1-Flags=','') AS
VARCHAR(50)) as "L1_FLAGS",
        CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L2-Sample_ID=\:\%\w+',1,1),'L2-
Sample_ID=','') AS VARCHAR(50)) as "L2_SAMPLE_ID",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L2-Concentration=\d+(\.?\d*|\,?\d*)*',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L2-
Concentration=\d+(\.?\d*|\,?\d*)*',1,1),'L2-Concentration=','') AS FLOAT)
                        ELSE NULL END as "L2_CONCENTRATION",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L2-Result=\d+(\.?\d*)',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L2-
Result=\d+(\.?\d*)',1,1),'L2-Result=','') AS FLOAT)
                        ELSE NULL END as "L2_RESULT",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L2-RLUMean=\d+(\.?\d*)',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L2-
RLUMean=\d+(\.?\d*)',1,1),'L2-RLUMean=','') AS FLOAT)
                        ELSE NULL END as "L2_RLUMEAN",
        CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L2-RLUReplicate1=\d+(\.?\d*)',1,1,0) > 0
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                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L2-
RLUReplicate1=\d+(\.?\d*)',1,1),'L2-RLUReplicate1=','') AS FLOAT)
                        ELSE NULL END as "L2_RLUREPLICATE1",
         CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L2-RLUReplicate2=\d+(\.?\d*)',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L2-
RLUReplicate2=\d+(\.?\d*)',1,1),'L2-RLUReplicate2=','') AS FLOAT)
                        ELSE NULL END as "L2_RLUREPLICATE2",
         CASE WHEN REGEXP_INSTR(D_CALIBRATION."DETAILS",'L2-RLUReplicate3=\d+(\.?\d*)',1,1,0) > 0
                        THEN CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L2-
RLUReplicate3=\d+(\.?\d*)',1,1),'L2-RLUReplicate3=','') AS FLOAT)
                        ELSE NULL END as "L2_RLUREPLICATE3",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'L2-Flags=\w+',1,1),'L2-Flags=','') AS
VARCHAR(50)) as "L2_FLAGS",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'Units=\w+(\/\w+)*',1,1),'Units=','') AS
VARCHAR(50)) as "UNITS",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'CheckSum=\w+',1,1),'CheckSum=','') AS
VARCHAR(50)) as "CHECKSUM",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'RackID=\w+',1,1),'RackID=','') AS
VARCHAR(50)) as "RACKID",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'OrderDateTime=\d+\/\d+\/\d+
\d+\:\d+\:\d+ \w+',1,1),'OrderDateTime=','') AS VARCHAR(50)) as "ORDERDATETIME_TXT",
         CAST(CASE
                  WHEN ORDERDATETIME_TXT LIKE '_/_/____ _:%'  THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1
FOR 2) || '0' || SUBSTRING(ORDERDATETIME_TXT FROM 3 FOR 2) || SUBSTRING(ORDERDATETIME_TXT FROM 5 FOR 5) ||
'0' || SUBSTRING(ORDERDATETIME_TXT FROM 10)
                  WHEN ORDERDATETIME_TXT LIKE '_/__/____ _:%' THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1
FOR 2) || SUBSTRING(ORDERDATETIME_TXT FROM 3 FOR 8) || '0' || SUBSTRING(ORDERDATETIME_TXT FROM 11)
                  WHEN ORDERDATETIME_TXT LIKE '_/_/____ __:%' THEN '0' || SUBSTRING(ORDERDATETIME_TXT FROM 1
FOR 2) || '0' || SUBSTRING(ORDERDATETIME_TXT FROM 3)
                  WHEN ORDERDATETIME_TXT LIKE '_/__/____ __:%' THEN '0'||SUBSTRING(ORDERDATETIME_TXT FROM 1
FOR 2) || SUBSTRING(ORDERDATETIME_TXT FROM 3)
                  WHEN ORDERDATETIME_TXT LIKE '__/_/____ __:%' THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR
3) || '0' || SUBSTRING(ORDERDATETIME_TXT FROM 4)
                  WHEN ORDERDATETIME_TXT LIKE '__/__/____ _:%'THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR
11) || '0' || SUBSTRING(ORDERDATETIME_TXT FROM 12)
                  WHEN ORDERDATETIME_TXT LIKE '__/_/____ _:%' THEN SUBSTRING(ORDERDATETIME_TXT FROM 1 FOR 3)
|| '0' || SUBSTRING(ORDERDATETIME_TXT FROM 4 FOR 7) || '0' || SUBSTRING(ORDERDATETIME_TXT FROM 11)

                  ELSE ORDERDATETIME_TXT
              END AS TIMESTAMP(0) FORMAT 'mm/dd/YYYYBhh:mi:ssBt') as "ORDERDATETIME",
```

```
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'SampleStatus=\w+',1,1),'SampleStatus=',
'') AS VARCHAR(50)) as "SAMPLESTATUS",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'UserNameSystemName=\w+(\-
?\w*)*',1,1),'UserNameSystemName=','') AS VARCHAR(50)) as "USERNAMESYSTEMNAME",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'ReagentName=\w+',1,1),'ReagentName=','
') AS VARCHAR(50)) as "REAGENTNAME",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'ReagentPackID=\w+',1,1),'ReagentPackID=
','') AS VARCHAR(50)) as "REAGENTPACKID",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'AspirationDate=\d+\/\d+\/\d+
\d+\:\d+\:\d+ \w+',1,1),'AspirationDate=','') AS VARCHAR(50)) as "ASPIRATIONDATE_TXT",
         CAST(CASE
                  WHEN ASPIRATIONDATE_TXT LIKE '_/_/____ _:%'  THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1
FOR 2) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 3 FOR 2) || SUBSTRING(ASPIRATIONDATE_TXT FROM 5 FOR 5)
|| '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 10)
                  WHEN ASPIRATIONDATE_TXT LIKE '_/__/____ _:%' THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM 1
FOR 2) || SUBSTRING(ASPIRATIONDATE_TXT FROM 3 FOR 8) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 11)
                  WHEN ASPIRATIONDATE_TXT LIKE '_/_/____ __:%' THEN '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM
1 FOR 2) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 3)
                  WHEN ASPIRATIONDATE_TXT LIKE '_/__/____ __:%' THEN '0'||SUBSTRING(ASPIRATIONDATE_TXT FROM
1 FOR 2) || SUBSTRING(ASPIRATIONDATE_TXT FROM 3)
                  WHEN ASPIRATIONDATE_TXT LIKE '__/_/____ __:%' THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR
3) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 4)
                  WHEN ASPIRATIONDATE_TXT LIKE '__/__/____ _:%'THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR
11) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 12)
                  WHEN ASPIRATIONDATE_TXT LIKE '__/_/____ _:%' THEN SUBSTRING(ASPIRATIONDATE_TXT FROM 1 FOR
3) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 4 FOR 7) || '0' || SUBSTRING(ASPIRATIONDATE_TXT FROM 11)

                  ELSE ASPIRATIONDATE_TXT
              END AS TIMESTAMP(0) FORMAT 'mm/dd/YYYYBhh:mi:ssBt') as "ASPIRATIONDATE",
         CAST(REGEXP_REPLACE(REGEXP_SUBSTR(D_CALIBRATION."DETAILS",'DBSynchID=\w+',1,1),'DBSynchID=','') AS
VARCHAR(50)) as "DBSYNCHID"
      from
         "HC_PRD_D_ACLO_BAS_0_14_0_0_0_0_0_0"."D_CALIBRATION" as D_CALIBRATION left join
         "HC_PRD_D_ACLO_BAS_0_14_0_0_0_0_0_0"."NODE" as NODE
            on
            (
               D_CALIBRATION."NODE_ID" = NODE."NODE_ID"
            ) left join
         "HC_PRD_D_ACLO_BAS_0_13_0_0_0_0_0_0"."PRODUCT_SECTION" as PRODUCT_SECTION
            on
            (
```

```
            NODE."PRODUCT_SECTION_ID" = PRODUCT_SECTION."PRODUCT_SECTION_ID"
         ) left join
      "HC_PRD_D_ACLO_BAS_0_14_0_0_0_0_0_0"."COUNTRY_NODE" as COUNTRY
         on
         (
            NODE."COUNTRY_ID" = COUNTRY."COUNTRY_ID"
            and NODE."NODE_ID" = COUNTRY."NODE_ID"
         )
   where
      EXTRACT(YEAR FROM D_CALIBRATION."CREATED") >= 2016
      and NODE."MATERIAL_NUMBER" IN
('11065004','11065006','11065464','11066000','11066001','11067000','11068008','11069001','11069004','110690
18','11069020')

   ) by TERADATA;

   %rcSet(&sqlrc);

   execute (commit) by TERADATA;
   disconnect from TERADATA;
quit;
```

```
/** SDTB_DI **/
LIBNAME GSMS_T1 ORACLE  PATH=SCPROD2  SCHEMA=HPSC6  AUTHDOMAIN="OracleAuth_SCPROD2" ;
LIBNAME WORK1 BASE "/sas/sasdata/BAS_Platform/030_Business/120_INVITRO/010_Data_Integrati
on/Work/data/sandbox";
/* Access the data for INVITRO - LASR  */
LIBNAME INVLR SASIOLA  TAG=INVITRO  PORT=10027 SIGNER="https://sasprod.healthcare.siemens
.com:443/SASLASRAuthorization" HOST="shcffmva1p.shcbas.lokal" ;

LIBNAME GSMS_T1 ORACLE  PATH=SCPROD2  SCHEMA=HPSC6  AUTHDOMAIN="OracleAuth_SCPROD2" ;

LIBNAME textdata BASE "/sas/sasdata/_SHARED/data/PublicDataProvider";
LIBNAME GSMS_V1 ORACLE  PATH=SCPROD2  SCHEMA=SHDWDB4QCA01  AUTHDOMAIN="OracleAuth_SCPROD2
" ;
options OBS=max;
```

```
libname myWork ' /sas/saswork_das/SAS_work8ED500007F84_shcsbiapp1vp/';


PROC SQL;
*DROP TABLE PROBSUMMARYM1;
CREATE TABLE HSC_PROBSUMMARYM1 AS
SELECT
BRIEF_DESCRIPTION     ,
CATEGORY   ,
CAUSE_CODE ,
CLOSE_TIME ,
COST_CENTRE     ,
CUSTOMER_NO     ,
HC_CSE_EMAIL    ,
HC_PROBLEM_ISSUE_TYPE ,
HC_PROBLEM_NUMBER     ,
INCIDENT_ID     ,
LOCATION   ,
NUMBERPRGN ,
ONSITE_TO_REPAIR ,
OPEN_TIME  ,
REFERENCE_NO    ,
RESOLUTION_CODE ,
SERIAL_NO_ ,
SMED_CITY  ,
SMED_COUNTRY    ,
SMED_CUSTOMER_NAME1   ,
SMED_HOTSITE_FLAG     ,
SMED_HOTSITE_NUMBER

FROM
GSMS_T1.PROBSUMMARYM1
```

```
WHERE SMED_COUNTRY IN ('US','UK','FR','DE','SP')
AND COST_CENTRE LIKE 'DX%'
AND DATEPART(OPEN_TIME) >= '01OCT2016'd;
QUIT;

LIBNAME INVLR SASIOLA  TAG=INVITRO  PORT=10027 SIGNER="https://sasprod.healthcare.siemens
.com:443/SASLASRAuthorization" HOST="shcffmva1p.shcbas.lokal" ;
LIBNAME WORK1 BASE "/sas/sasdata/BAS_Platform/030_Business/120_INVITRO/010_Data_Integrati
on/Work/data/sandbox";



%let tablename=HSC_PROBSUMMARYM1;
proc metalib;
  omr (library="INVITRO - LASR" );
  SELECT("&tablename.");
  update_rule=(delete);
  report;
run;

PROC SQL;
DROP TABLE INVLR.HSC_PROBSUMMARYM1;
QUIT;


PROC APPEND BASE=INVLR.HSC_PROBSUMMARYM1 DATA=HSC_PROBSUMMARYM1; RUN;

/*** TABLE LOADED INTO LASER ***/
```