

EIM Help – Manchester Lab LIMS QC Fields

Version 4.0
June 2023

How to Use This Help

Overview

Use this document in tandem with the [EIM Results Template Help](#) (columns A-BL) to interpret the fields in your Manchester Environmental Lab (MEL) batch file or EDD.

When MEL sends EIM Results data electronically, they include lab quality control (QC) data at the end of batch file or EDD. Identify this data in your batch file or EDD by looking at Column D, Field Collection Type. If it's "QC," "QC Blank," or "QC Surrogate," it's MEL QC data.

Note: We **don't load lab QC data into EIM, EXCEPT FOR** method blank data for low-level PCBs by EPA1668C, B, or A, and MEL730138 v1.0. These data will say "QC Blank" in Field Collection Type (Column D). To learn more, [download help for Low-Level PCB Congener Data](#).

Delete these rows and columns before submitting data to EIM:

- Rows with "QC" and "QC Surrogate" in the Field Collection Type.
- Columns prefixed with "MEL" (BM-CD).

Key to Help Fields in Grid

- **Column (Col):** Column heading (BM, BN, BO, etc.) in the EIM MEL EDD.
- **Field Name:** EIM MEL EDD field name.
- **Description:** EIM MEL EDD field description.
- **Type:** Type of data field, like text, number, date, or time.
- **Size:** The maximum number or length of characters allowed.
- **Valid Values and Conditions:** Accepted values and format.
- **Examples and Guidance:** Examples are in bulleted lists.

Grid – MEL QA Field Information

| Col | Field Name | Description | Type | Size | Valid Values and Conditions | Examples and Guidance |
|-----|--------------------|---|--------|------|---|--|
| BM | MEL Client | Name of project manager or data recipient. | Text | 50 | Format: "Last Name, First Name" | <ul style="list-style-type: none"> ▪ Morris, Stuart |
| BN | MEL Client Email | Email address of project manager or data recipient. | Text | 50 | Format: email address | <ul style="list-style-type: none"> ▪ Stuart.Morris@ecy.wa.gov |
| BO | MEL Project Name | Name of the MEL project. Ideally should match EIM Study Name. | Text | 100 | | <ul style="list-style-type: none"> ▪ Snoqualmie River TMDL |
| BP | MEL Analysis Code | Code for the analysis recorded in LIMS. | Text | 50 | See table of MEL Analysis Codes (in this document) | <ul style="list-style-type: none"> ▪ Hg = mercury analysis ▪ BNA = base/neutral/acid ▪ TSS = total suspended solids |
| BQ | MEL Date Extracted | Date sample was prepared (extracted or digested). | Date | 16 | MM/DD/YYYY | <ul style="list-style-type: none"> ▪ 5/9/2023 |
| BR | MEL Dilution | Sample dilution factor, performed prior to analysis. | Number | | | <ul style="list-style-type: none"> ▪ 2 ▪ 10 ▪ 20 |
| BS | MEL Result Type | Type of result. | Text | 1 | <ul style="list-style-type: none"> ▪ R = Regular target analyte ▪ S = Surrogate ▪ T = Tentatively identified compound (TIC) | <p>If you load TICs into EIM, qualify them with a Result Data Qualifier that begins with "N."</p> <p>Search for EIM Result Data Qualifier Valid Values (online).</p> |

| Col | Field Name | Description | Type | Size | Valid Values and Conditions | Examples and Guidance |
|-----|-------------------------|--|--------|------|---|--|
| BT | MEL QC Type | Quality control sample type. (In the EDD, this field is blank for non-QC samples). | Text | 4 | <ul style="list-style-type: none"> ▪ DUP# = Duplicate ▪ BLK# = Blank ▪ BS# = Blank spike ▪ BSD# = Blank spike duplicate ▪ MS# = Matrix spike ▪ MSD# = Matrix spike duplicate ▪ SRM# = Standard reference material | <ul style="list-style-type: none"> ▪ DUP1 ▪ DUP2 |
| BU | MEL Sample Source ID | Lab sample number of native sample used for duplicate or matrix spike. | Text | 10 | Format: YYMMNNN-NN <ul style="list-style-type: none"> ▪ YY = 2-digit year ▪ MM = 2-digit month ▪ NNN = 3 digits assigned sequentially when work orders are created, 001 to 999 ▪ NN = 2 digits indicating 1st, 2nd, 3rd, etc. | <ul style="list-style-type: none"> ▪ 1004030-01 |
| BV | MEL Spiked Amount | Amount of spike analyte added to a sample or QC sample. | Number | | | <ul style="list-style-type: none"> ▪ 1.98 |
| BW | MEL Spike Result Amount | Amount of spike analyte detected in a spiked sample. | Number | | | <ul style="list-style-type: none"> ▪ 1.94 |
| BX | MEL Spike Units | Units for Spiked Amount and Spike Result Amount. | Text | 10 | Search for EIM Units (online) | <ul style="list-style-type: none"> ▪ ug/L |

| Col | Field Name | Description | Type | Size | Valid Values and Conditions | Examples and Guidance |
|-----|--------------------|--|----------------|------|-----------------------------|---|
| BY | MEL RPD | Relative percent difference (RPD) between two laboratory duplicates. | Number or text | | ▪ NC = Not calculated | ▪ 41 |
| BZ | MEL QC RPD Limit | Relative percent difference control limit. | Number | | | ▪ 40 |
| CA | MEL QC Lower Limit | Lower control limit. | Number | | | ▪ 50 |
| CB | MEL QC Upper Limit | Upper control limit. | Number | | | ▪ 150 |
| CC | MEL Work ID | ID assigned to project by MEL. | Number | | | ▪ 2007042 |
| CD | MEL QC Name | Customizable codes for QC samples. | Text | 30 | | <ul style="list-style-type: none"> ▪ Laboratory Control Sample ▪ OPR ▪ LLOPR1 ▪ SRM |

MEL Analysis Codes

Descriptions and metadata for MEL analysis codes in column BL. Note: Truncated words and phrases came that way from MEL's LIMS.

Last updated 2021-06-21.

| Department | Analysis Code | Analysis Description | Additional Description |
|-------------------|---------------|--|---|
| General Chemistry | ACIDITY | Acidity, Titrimetric (pH 8.2) | Quantitative capacity to react with a strong base |
| General Chemistry | AFDW | Dry and Ash-Free Weight | Ash Free Dry Weight |
| General Chemistry | ALK | Alkalinity; Total Hydroxide, Bicarbonate, Carbonat | Alkalinity |

| Department | Analysis Code | Analysis Description | Additional Description |
|-------------------|---------------|---|---|
| General Chemistry | ALKCO3 | Alkalinity; Total Hydroxide, Bicarbonate, Carbonate | Alkalinity as Carbonate |
| General Chemistry | ALK-DIS | Alkalinity; Total Hydroxide, Bicarbonate, Carbonat | Alkalinity, Dissolved |
| General Chemistry | ALKHCO3 | Alkalinity; Total Hydroxide, Bicarbonate, Carbonat | Alkalinity as Bicarbonate |
| General Chemistry | ANC | Acid Neutralizing Capacity | Acid Neutralizing Capacity |
| General Chemistry | BOD5 | Biochemical Oxygen Demand (BOD), 20 degrees C | Biochemical Oxygen Demand five day test |
| General Chemistry | BOD5INH | Biochemical Oxygen Demand (BOD), 20 degrees C | Inhibited Biochemical Oxygen Demand |
| General Chemistry | BOD5INH-DIS | Inhibited Dissolved BOD5 | Inhibited Dissolved Biochemical Oxygen Demand |
| General Chemistry | BODULT | Ultimate BOD Test (Proposed) | Ultimate Biochemical Oxygen Demand |
| General Chemistry | Bromide | Inorganic Anions, Ion Chromatography | Bromide |
| General Chemistry | Bromide-DIS | Inorganic Anions, Ion Chromatography | Bromide, Dissolved |
| General Chemistry | CHLOROPH | Chlorophyll a and Pheopigment determination modifi | Chlorophyll |
| General Chemistry | CHLOROPH-F | Chlorophyll a and Pheopigment determination modifi | Chlorophyll |
| General Chemistry | CL | Inorganic Anions, Ion Chromatography | Chlorides |
| General Chemistry | CL-DIS | Inorganic Anions, Ion Chromatography | Chlorides, Dissolved |
| General Chemistry | EOX | Total Organic Halides (TOX) | Extractable Organic Halogens |
| General Chemistry | FL | Inorganic Anions, Ion Chromatography | Fluoride |
| General Chemistry | FL-DIS | Inorganic Anions, Ion Chromatography | Fluoride Dissolved |
| General Chemistry | LOI-104 | Loss On Ignition of Solid Combustion Residues | Loss On Ignition @ 104C |
| General Chemistry | LOI-550 | Loss On Ignition of Solid Combustion Residues | Loss On Ignition @ 550C |
| General Chemistry | LOI-950 | Loss On Ignition of Solid Combustion Residues | Loss On Ignition @ 950C |
| General Chemistry | LOI-IM | Loss On Ignition - Initial Mass | Loss On Ignition - Initial Mass |
| General Chemistry | NH3 | Flow Injection Analysis | Ammonia as N |
| General Chemistry | NH3-DIS | Flow Injection Analysis | Ammonia as N - Dissolved |
| General Chemistry | NO2 | Cadmium Reduction Flow Injection for NO2 & NO2+NO3 | Nitrite as N |
| General Chemistry | NO2-IC | NO2 by EPA300.0 | Nitrite as N |

| Department | Analysis Code | Analysis Description | Additional Description |
|-------------------|------------------|--|----------------------------------|
| General Chemistry | NO2NO3 | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N |
| General Chemistry | NO2NO3 Day 10 | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N |
| General Chemistry | NO2NO3 Day 15 | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N |
| General Chemistry | NO2NO3 Day 2 | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N |
| General Chemistry | NO2NO3 Day 20 | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N |
| General Chemistry | NO2NO3 Day 30 | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N |
| General Chemistry | NO2NO3 Day 5 | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N |
| General Chemistry | NO2NO3 Day 60 | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N |
| General Chemistry | NO2NO3 Day10-DIS | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N - Dissolved |
| General Chemistry | NO2NO3 Day15-DIS | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N - Dissolved |
| General Chemistry | NO2NO3 Day20-DIS | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N - Dissolved |
| General Chemistry | NO2NO3 Day2-DIS | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N - Dissolved |
| General Chemistry | NO2NO3 Day30-DIS | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N - Dissolved |
| General Chemistry | NO2NO3 Day5-DIS | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N - Dissolved |
| General Chemistry | NO2NO3 Day60-DIS | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N - Dissolved |
| General Chemistry | NO2NO3-60day-DIS | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N |
| General Chemistry | NO2NO3-DIS | Cadmium Reduction Flow Injection | Nitrite/Nitrate as N - Dissolved |
| General Chemistry | NO3 | Cadmium Reduction Flow Injection for NO2 & NO2+NO3 | Nitrate as N |
| General Chemistry | NO3-IC | NO3 by EPA300.0 | Nitrate as N |
| General Chemistry | NO3-IC-DW | NO3 by EPA300.0 - Drinking Water | Nitrate as N in Drinking Water |
| General Chemistry | OC | Thermal Optical Transmittance Procedure | Organic carbon |
| General Chemistry | OG | N-Hexane Extractable Material (HEM) and Silica Gel | Oil and Grease |
| General Chemistry | PC | Particulate Carbon | Particulate Carbon |
| General Chemistry | PCTAD | Percent Air Dried Solids in Solid and Sediments | Percent Air Dried Solids |
| General Chemistry | PCTSOL | Total, Fixed, and Volatile Solids in Solid and Sem | Percent Solids |

| Department | Analysis Code | Analysis Description | Additional Description |
|-------------------|---------------|--|--|
| General Chemistry | PH | pH | pH |
| General Chemistry | PHEOT | Chlorophyll a and Pheopigment determination modifi | Pheopigments - Turner |
| General Chemistry | PHEOW | Chlorophyll a and Pheopigment determination modifi | Pheopigments - Welshmire |
| General Chemistry | PHYTOPK | Visual Identification using a microscope | Phytoplankton |
| General Chemistry | PN | Particulate Nitrogen | Particulate Nitrogen |
| General Chemistry | POC | Particulate Organic Carbon | Particulate Organic Carbon |
| General Chemistry | SAL | Salinity | Salinity |
| General Chemistry | SCOND | Specific Conductivity at 25°C | Specific Conductivity at 25°C |
| General Chemistry | SSC | ASTM D3977-97 Sediment Concentration - Test Metho | Suspended Sediment Concentration |
| General Chemistry | SULFATE | Inorganic Anions, Ion Chromatography | Sulfate |
| General Chemistry | Sulfate-DIS | Inorganic Anions, Ion Chromatography | Sulfate Dissolved |
| General Chemistry | Sulfide | Distillation and Methylene Blue Analysis by FIA | Sulfide |
| General Chemistry | TC-440 | Total Carbon by EPA 440 Modified | Total Carbon by EPA 440 Modified |
| General Chemistry | TDS | Total Dissolved Solids Dried @ 180 degress C | Total Dissolved Solids |
| General Chemistry | TDVS | Fixed and Volatile Solids Ignited @ 550 degrees C | Total Dissolved Volatile Solids |
| General Chemistry | TIC-440 | Total Inorganic Carbon by EPA 440 Modified | Total Inorganic Carbon by EPA 440 Modified |
| General Chemistry | TN-440 | Total Nitrogen by EPA 440 Modified | Total Nitrogen by EPA 440 Modified |
| General Chemistry | TNVS | Fixed and Volatile Solids Ignited @ 550 degrees C | Total Non-Volatile Solids |
| General Chemistry | TNVSS | Fixed and Volatile Solids Ignited @ 550 degrees C | Total Non-Volatile Suspended Solids |
| General Chemistry | TOC-0.5 | Organic Carbon, High-Temperature Combustion | Total Organic Carbon |
| General Chemistry | TOC104 | Puget Sound Estuary Protocols analysis for TOC mod | Total Organic Carbon (104 C) |
| General Chemistry | TOC-440 | Total Organic Carbon by EPA 440 Modified | Total Organic Carbon by EPA 440 Modified |
| General Chemistry | TOC70 | Puget Sound Estuary Protocols analysis for TOC 70 | Total Organic Carbon (70 C) |
| General Chemistry | TOC70-S63 | Puget Sound Estuary Protocols analysis for TOC 70 | Total Organic Carbon (70 C) Sieved 63 |
| General Chemistry | TOC-Cx | Organic Carbon, High-Temperature Combustion | Total Organic Carbon |

| Department | Analysis Code | Analysis Description | Additional Description |
|-------------------|---------------|--|---|
| General Chemistry | TOC-Day60 | Organic Carbon, High-Temperature Combustion | Total Organic Carbon Day 60 Reading |
| General Chemistry | TP8-H | Total Phosphorous-Manual Digestion-Ascorbic Acid | Total Phosphorus as P |
| General Chemistry | TPLL | Total Phosphorus as P Low-Level | Total Phosphorus as P Low-Level |
| General Chemistry | TPN | TPN, in-line digestion - modified | Total Persulfate Nitrogen as N |
| General Chemistry | TRP | Flow Injection Analysis for P | Total Reactive Phosphorus |
| General Chemistry | TS | Total Solids Dried @ 103 - 105 degrees C | Total Solids dried at 104 degrees C |
| General Chemistry | TSS | Total Suspended Solids Dried @ 103 -105 degrees C | Total Suspended Solids |
| General Chemistry | TURB | Turbidity, Nephelometric | Turbidity of water |
| General Chemistry | TVS | Fixed and Volatile Solids Ignited @ 550 degrees C | Total Volatile Solids |
| General Chemistry | TVSS | Fixed and Volatile Solids Ignited @ 550 degrees C | Total Volatile Suspended Solids |
| General Chemistry | UCBOD | Ultimate Carbonaceous Biochemical Oxygen Demand | Ultimate Carbonaceous Biochemical Oxygen Demand |
| General Chemistry | UCBOD-DIS | Ultimate Carbonaceous BOD Dissolved | Ultimate Carbonaceous BOD Dissolved |
| Metals | 14129 | air filter lead | Lead Analysis on Air Filter |
| Metals | AG | Determination of Trace Elements by ICPMS | Silver |
| Metals | Ag-6010D | Silver by SW6010D | Silver |
| Metals | Ag-6020B | Determination of Trace Elements | Silver |
| Metals | AG-DIS | Determination of Trace Elements by ICPMS | Silver, Dissolved |
| Metals | AG-DIS-ICP | Determination of Trace Elements by ICP-OES | Silver, Dissolved |
| Metals | AG-TCLP | TCLP/ICP | Silver, TCLP |
| Metals | AL | Determination of Metals and Trace Elements in Wate | Aluminum |
| Metals | Al-6010D | Determination of Metals and Trace Elements | Aluminum |
| Metals | Al-6020B | Determination of Metals and Trace Elements | Aluminum |
| Metals | AL-DIS | Determination of Metals and Trace Elements | Aluminum, Dissolved |
| Metals | Al-ICPMS | Determination of Metals and Trace Elements in Wate | Aluminum |
| Metals | AS | Determination of Trace Elements by ICPMS | Arsenic |

| Department | Analysis Code | Analysis Description | Additional Description |
|------------|---------------|--|---|
| Metals | As-6010D | Arsenic by SW6010 | Arsenic |
| Metals | As-6020B | Arsenic from complete digestion ICP/MS | Arsenic |
| Metals | AS-DIS | Determination of Trace Elements in Water or Wastes | Arsenic, Dissolved |
| Metals | AS-DIS-ICP | Determination of Trace Elements in Water or Wastes | Arsenic, Dissolved |
| Metals | As-DW | Determination of Trace Elements by ICPMS | Arsenic in Drinking Water |
| Metals | AS-SPLP | Determination of Trace Elements by ICPMS | Arsenic - SPLP |
| Metals | AS-TCLP | TCLP/ICP | Arsenic, TCLP |
| Metals | AU | Determination of Trace Elements in Water or Wastes | Gold |
| Metals | AU-DIS | Determination of Trace Elements in Water or Wastes | Gold, Dissolved |
| Metals | Au-Ionic | Ionic Native Concentration of Gold | Ionic Native Concentration of Gold |
| Metals | Au-Nano | Determination of Gold Nano Particles | Gold nanoparticles ug/L |
| Metals | Au-Nano AVP | Determination of Gold Nano Avg Particle Size | Gold nanoparticles Avg Particle Size |
| Metals | Au-Nano P/L | Determination of Gold Nano Particles/L | Gold nanoparticles Particles per Liter |
| Metals | Au-Nano PSD | Determination Gold Nano Particle Size Distribution | Gold nanoparticles Particle Size Distribution |
| Metals | B | Determination of Metals and Trace Elements in Wate | Boron |
| Metals | B-6020B | Determination of Metals and Trace Elements | Boron |
| Metals | BA | Determination of Metals and Trace Elements in Wate | Barium |
| Metals | Ba-6010D | Barium by SW6010 | Barium |
| Metals | Ba-6020B | Determination of Trace Elements | Barium |
| Metals | BA-DIS | Determination of Metals and Trace Elements in Wate | Barium, Dissolved |
| Metals | BA-DIS-ICP | Determination of Metals and Trace Elements in Wate | Barium, Dissolved |
| Metals | BA-TCLP | TCLP/ICP | Barium, TCLP |
| Metals | B-DIS | Determination of Metals and Trace Elements | Boron, Dissolved |
| Metals | BE | Determination of Metals and Trace Elements in Wate | Beryllium |
| Metals | Be-6020B | Determination of Metals and Trace Elements | Beryllium |

| Department | Analysis Code | Analysis Description | Additional Description |
|------------|-----------------------|--|-----------------------------|
| Metals | BE-DIS | Determination of Metals and Trace Elements in Wate | Beryllium, Dissolved |
| Metals | B-ICPMS | Determination of Metals and Trace Elements in Wate | Boron |
| Metals | CA | Determination of Metals and Trace Elements | Calcium |
| Metals | Ca-6010D | Determination of Metals and Trace Elements | Calcium |
| Metals | Ca-6020B | Determination of Metals and Trace Elements | Calcium |
| Metals | CA-DIS | Determination of Metals and Trace Elements | Calcium, Dissolved |
| Metals | CA-ICPMS | Determination of Metals and Trace Elements | Calcium |
| Metals | CD | Determination of Trace Elements by ICPMS | Cadmium |
| Metals | Cd-6010D | Cadmium by SW6010D | Cadmium |
| Metals | CD-6020B | Cadmium from complete digestion ICP/MS | Cadmium |
| Metals | CD-DIS | Determination of Trace Elements by ICPMS | Cadmium, Dissolved |
| Metals | CD-DIS-ICP | Determination of Trace Elements by ICPMS | Cadmium, Dissolved |
| Metals | Cd-SPLP | Determination of Trace Elements by ICPMS | Cadmium - SPLP |
| Metals | CD-TCLP | TCLP/ICP | Cadmium, TCLP |
| Metals | CO | Determination of Metals and Trace Elements in Wate | Cobalt |
| Metals | Co-6020B | Cobalt from complete digestion using ICP/MS | Cobalt |
| Metals | CO-DIS | Determination of Trace Elements in Water or Wastes | Cobalt, Dissolved |
| Metals | CO-DIS-ICP | Determination of Metals and Trace Elements in Wate | Dissolved Cobalt |
| Metals | ConProducts-Metals VG | Consumer Products Metals | Consumer Products Metals |
| Metals | ConsProducts_VG_N W | Metals analysis on products | Metals analysis on products |
| Metals | CR | Determination of Trace Elements by ICPMS | Chromium |
| Metals | Cr-6010D | Chromium by SW6010 | Chromium |
| Metals | Cr-6020B | ICP/MS general method (SW846) | Chromium |
| Metals | CR-DIS | Determination of Trace Elements by ICPMS | Chromium, Dissolved |

| Department | Analysis Code | Analysis Description | Additional Description |
|------------|---------------|--|------------------------|
| Metals | CR-DIS-ICP | Determination of Metals and Trace Elements in Wate | Dissolved Chromium |
| Metals | CR-ICP | Determination of Metals & Trace Elements by ICPOES | Chromium, total_ICP |
| Metals | CR-TCLP | TCLP/ICP | Chromium, TCLP |
| Metals | CU | Determination of Trace Elements by ICPMS | Copper |
| Metals | Cu-1640 | ICP/MS general method (SW846) | Copper |
| Metals | Cu-1640-DIS | ICP/MS general method (SW846) | Copper, Dissolved |
| Metals | Cu-6010D | Copper by SW6010D | Copper |
| Metals | Cu-6020B | ICP/MS general method (SW846) | Copper |
| Metals | CU-DIS | Determination of Trace Elements in Water or Wastes | Copper, Dissolved |
| Metals | CU-DIS-ICP | Determination of Trace Elements in Water or Wastes | Copper, Dissolved |
| Metals | CU-ICP | Determination of Trace Elements by ICPOES | Copper, total_ICP |
| Metals | Cu-SPLP | Determination of Trace Elements by ICPMS | Copper - SPLP |
| Metals | EC | Thermal Optical Transmittance Procedure | Elemental Carbon |
| Metals | FE | Determination of Metals and Trace Elements | Iron |
| Metals | Fe-6010D | Determination of Metals and Trace Elements | Iron |
| Metals | Fe-6020B | Determination of Iron by ICPMS | Iron |
| Metals | FE-DIS | Determination of Metals and Trace Elements | Iron, Dissolved |
| Metals | Fe-ICPMS | Determination of Iron by ICPMS | Iron |
| Metals | HARD | Hardness, Total (as CaCO3), Calculated | Hardness |
| Metals | Hard-200.8 | Hardness, Total (as CaCO3), Calculated | Hardness |
| Metals | HARD-DIS | Hardness, Total (as CaCO3), Calculated | Hardness, Dissolved |
| Metals | HG | Mercury by CVAA | Mercury |
| Metals | HG-1631 | Mercury by CVAFS | Mercury |
| Metals | HG-1631E-DIS | Mercury | Mercury 1631 Dissolved |
| Metals | Hg-200.8 | Determination of Trace Elements by ICPMS | Mercury by 200.8 |

| Department | Analysis Code | Analysis Description | Additional Description |
|------------|---------------|--|------------------------|
| Metals | Hg-6020B | Mercury by complete digestion | Mercury |
| Metals | HG-7470 | Mercury by 7470 | Mercury |
| Metals | Hg-7471B | Mercury by 7471B | Mercury |
| Metals | HG-DIS | Mercury Cold Vapor Manual | Mercury, Dissolved |
| Metals | HG-LL | Mercury by CVAA | Mercury |
| Metals | HG-LL-DIS | Mercury Cold Vapor Manual | Mercury, Dissolved |
| Metals | HG-TCLP | TCLP for Mercury | Mercury, TCLP |
| Metals | K | Determination of Metals and Trace Elements | Potassium |
| Metals | K-6010D | Determination of Metals and Trace Elements | Potassium |
| Metals | K-6020B | Determination of Metals and Trace Elements | Potassium |
| Metals | K-DIS | Determination of Metals and Trace Elements | Potassium, Dissolved |
| Metals | K-ICPMS | Determination of Metals and Trace Elements | Potassium |
| Metals | MG | Determination of Metals and Trace Elements | Magnesium |
| Metals | Mg-6010D | Determination of Metals and Trace Elements | Magnesium |
| Metals | Mg-6020B | Determination of Metals and Trace Elements | Magnesium |
| Metals | MG-DIS | Determination of Metals and Trace Elements | Magnesium, Dissolved |
| Metals | MG-ICPMS | Determination of Metals and Trace Elements | Magnesium |
| Metals | MN | Determination of Trace Elements | Manganese |
| Metals | Mn-6020B | Determination of Trace Elements | Manganese |
| Metals | MN-DIS | Determination of Trace Elements | Manganese, Dissolved |
| Metals | Mn-ICPMS | Determination of Metals and Trace Elements in Wate | Manganese |
| Metals | MO | Determination of Metals and Trace Elements in Wate | Molybdenum |
| Metals | Mo-6020B | Molybdenum from complete digestion ICP/MS | Molybdenum |
| Metals | MO-DIS | Determination of Metals and Trace Elements in Wate | Molybdenum, Dissolved |
| Metals | MO-ICP-DIS | Determination of Metals and Trace Elements in Wate | Dissolved Molybdenum |

| Department | Analysis Code | Analysis Description | Additional Description |
|------------|---------------|--|------------------------|
| Metals | MT-1311 | TCLP/ICP | TCLP Leach |
| Metals | Na-6010D | Determination of Metals and Trace Elements | Sodium |
| Metals | Na-6020B | Determination of Metals and Trace Elements | Sodium |
| Metals | NA-DIS | Determination of Metals and Trace Elements | Sodium, Dissolved |
| Metals | NA-ICPMS | Determination of Metals and Trace Elements | Sodium |
| Metals | NI | Determination of Trace Elements by ICPMS | Nickel |
| Metals | Ni-6010D | Nickel by SW6010 | Nickel |
| Metals | Ni-6020B | Nickel from complete digestion IC/MS | Nickel |
| Metals | NI-DIS | Determination of Metals and Trace Elements in Wate | Nickel, Dissolved |
| Metals | NI-DIS-ICP | Determination of Metals and Trace Elements in Wate | Nickel, Dissolved |
| Metals | NI-ICP | Determination of Trace Elements by ICPOES | Nickel, total_ICP |
| Metals | P-6010D | Phosphorus by SW6010 | Phosphorus by SW6010 |
| Metals | P-6020B | Determination of Trace Elements | Phosphorus |
| Metals | P-6020-DTSC | Determination of Trace Elements | Phosphorus |
| Metals | PB | Determination of Trace Elements by ICPMS | Lead |
| Metals | Pb-1640 | ICP/MS general method (SW846) | Lead |
| Metals | Pb-1640-DIS | ICP/MS general method (SW846) | Lead, Dissolved |
| Metals | Pb-6010D | Lead by SW6010D | Lead |
| Metals | Pb-6020B | Lead from complete digestion ICP/MS | Lead |
| Metals | PB-DIS | Lead Dissolved | Lead, Dissolved |
| Metals | PB-DIS-ICP | Lead Dissolved | Lead, Dissolved |
| Metals | Pb-DW | Determination of Trace Elements by ICPMS | Lead in Drinking Water |
| Metals | PB-ICP | Determination of Trace Elements by ICP | Lead, total_ICPOES |
| Metals | Pb-SPLP | Determination of Trace Elements by ICPMS | Lead - SPLP |
| Metals | PB-TCLP | TCLP/ICP | Lead, TCLP |

| Department | Analysis Code | Analysis Description | Additional Description |
|------------|---------------|--|------------------------|
| Metals | P-DIS | Determination of Metals and Trace Elements in Wate | Phosphorous, Dissolved |
| Metals | SB | Determination of Metals and Trace Elements in Wate | Antimony |
| Metals | Sb-6020B | Antimony from complete digestion ICP/MS | Antimony |
| Metals | SB-DIS | Determination of Metals and Trace Elements in Wate | Antimony, Dissolved |
| Metals | SB-DIS-ICP | Determination of Metals and Trace Elements in Wate | Antimony, Dissolved |
| Metals | SB-ICP | Determination of Metals & Trace Elements by ICPOES | Antimony, total_ICP |
| Metals | SE | Determination of Metals and Trace Elements in Wate | Selenium |
| Metals | Se-6010D | Selenium by SW6010 | Selenium |
| Metals | Se-6020B | ICP/MS general method (SW846) | Selenium |
| Metals | SE-DIS | Determination of Trace Elements in Water or Wastes | Selenium, Dissolved |
| Metals | SE-DIS-ICP | Determination of Trace Elements in Water or Wastes | Selenium, Dissolved |
| Metals | SE-TCLP | TCLP/ICP | Selenium, TCLP |
| Metals | SI | Determination of Metals and Trace Elements | Silicon |
| Metals | Si-200.8 | Determination of Metals and Trace Elements | Silicon |
| Metals | Si-Amb | Determination of Metals and Trace Elements | Silicon |
| Metals | SI-DIS | Determination of Metals and Trace Elements | Silicon, Dissolved |
| Metals | SiO2 | Determination of Metals and Trace Elements in Wate | Silica |
| Metals | SiO2-Dis | Determination of Metals and Trace Elements in Wate | Silica, Dissolved |
| Metals | SiO2-ICPMS-D | Determination of Metals and Trace Elements in Wate | Silica, Dissolved |
| Metals | SiO2-old | Determination of Metals and Trace Elements in Wate | Silica |
| Metals | SN | Determination of Metals and Trace Elements in Wate | Tin |
| Metals | Sn-6020B | Determination of Metals and Trace Elements | Tin |
| Metals | SN-DIS | Determination of Metals and Trace Elements in Wate | Tin, Dissolved |
| Metals | Sodium | Determination of Metals and Trace Elements | Sodium |
| Metals | SPLP-1312 | SPLP - Organics and/or Inorganics | SPLP Leach Modified |

| Department | Analysis Code | Analysis Description | Additional Description |
|------------|---------------|--|------------------------|
| Metals | SR | Determination of Trace Elements in Water or Wastes | Strontium |
| Metals | Sr-6020B | Determination of Trace Elements in Water or Wastes | Strontium |
| Metals | SR-DIS | Determination of Metals and Trace Elements in Wate | Strontium, Dissolved |
| Metals | TI | Determination of Metals and Trace Elements in Wate | Titanium |
| Metals | Ti-6020B | Determination of Metals and Trace Elements | Titanium |
| Metals | TI-DIS | Determination of Metals and Trace Elements in Wate | Titanium, Dissolved |
| Metals | TL | Determination of Trace Elements in Water or Wastes | Thallium |
| Metals | TL-6020B | Thallium Determination ICPMS | Thallium |
| Metals | TL-DIS | Determination of Trace Elements in Water or Wastes | Thallium, Dissolved |
| Metals | TL-TCLP | TCLP/ICP | Thallium from TCLP |
| Metals | TP-6020B | Determination of Trace Elements | Total Phosphorus |
| Metals | U-DIS | Determination of Trace Elements in Water or Wastes | Uranium, Dissolved |
| Metals | V | Determination of Metals and Trace Elements in Wate | Vanadium |
| Metals | V-6020B | Determination of Metals and Trace Elements in Wate | Vanadium |
| Metals | V-DIS | Determination of Metals and Trace Elements in Wate | Vanadium, Dissolved |
| Metals | V-ICP-DIS | Determination of Metals and Trace Elements in Wate | Dissolved Vanadium |
| Metals | ZN | Determination of Trace Elements by ICPMS | Zinc |
| Metals | Zn-1640 | ICP/MS general method (SW846) | Zinc |
| Metals | Zn-1640-DIS | ICP/MS general method (SW846) | Zinc, Dissolved |
| Metals | ZN-6010D | Zinc by SW6010 | Zinc |
| Metals | Zn-6020B | ICP/MS general method (SW846) | Zinc |
| Metals | ZN-DIS | Determination of Trace Elements by ICPMS | Zinc, Dissolved |
| Metals | ZN-DIS-ICP | Determination of Trace Elements by ICPMS | Zinc, Dissolved |
| Metals | ZN-ICP | Determination of total Trace Elements by ICPOES | Zinc, totals_ICP |
| Metals | Zn-SPLP | Determination of Trace Elements by ICPMS | Zinc - SPLP |

| Department | Analysis Code | Analysis Description | Additional Description |
|------------|---------------|---|---|
| Metals | ZN-TCLP | TCLP/ICP | Zinc, From TCLP |
| Micro | BACTID | Bacterial Identification using API 20E Strips | Bacterial Identification |
| Micro | CLOST | Info. Collection Rule EPA Clostridium Perfringes | Clostridium perfringes |
| Micro | E-CLERT | Examination for MPN micro-organisms | Ecoli: Most Probable Number - Colilert |
| Micro | ECMF | E. coli using Nutrient Agar with MUG | E._coli by the Membrane Filter method |
| Micro | ECMF-mTEC2 | E. coli using Nutrient Agar with mTEC2 | E._coli by the Membrane Filter method |
| Micro | ECMPN | Test Method for E. coli using EC Medium with MUG | E._coli by the Most Probable Number |
| Micro | ENTMF | Enterococci Membrane Filter Test in Water | Enterococci: Membrane Filter method |
| Micro | ENTMPN | Examination of tissue for MPN micro-organisms | Enterococci: Most Probable Number method |
| Micro | FCES | Fecal Coliform Enzyme Substrate | Fecal Coliform Enzyme Substrate |
| Micro | FCMF | Fecal Coliform Membrane Filter | Fecal Coliforms: Membrane Filter method |
| Micro | FCMPN | Fecal Coliform in Water by Most Probable Number | Fecal Coliforms: Most Probable Number method |
| Micro | FSMF | Fecal Strep & Enterococci Membrane Filter | Fecal Streptococcus by the Membrane Filter method |
| Micro | HPC | Heterotropic Plate Count (HPC) | Heterotropic Plate Count (HPC) |
| Micro | KLEB | % Klebsiella, Enterobacter, Serratia (Manchester) | % Klebsiella Enterobacter Serratia |
| Micro | TC-CLERT | Total Coliform: Colilert | Total Coliform: Colilert |
| Micro | TCMF | Total Coliform Membrane Filter | Total Coliform: Membrane Filter method |
| Organics | BNA | Semivolatile Organics by GC/MS | Base/Neutral/Acids |
| Organics | BNA-SPE | Semivolatile Organics by GC/MS | Base/Neutral/Acids |
| Organics | BTEX | BTEX | Benzene, Toluene, Ethylbenzene, Xylenes |
| Organics | CARBAMQ3DI | Carbamate Pesticides by LCMSMS | Carbamate Pesticides low level Triple Quad |
| Organics | Cryomilled | CPSC-CH-C1001-09.3 | Cryomilled Sample |
| Organics | ETHGLY | Ethylene Glycol | Ethylene Glycol |
| Organics | FLAME | Flame Retardants by GC/MS | PBDEs & Flame Retardants |
| Organics | Flame GCQ3i | Halogenated Flame Retardants GCMSMS | Halogenated Flame Retardants GCMSMS |

| Department | Analysis Code | Analysis Description | Additional Description |
|------------|-----------------|--|--|
| Organics | Flame LCQ3i | Organophosphorous Flame Retardants by LCQ3 | OPFRs by LCQ3 |
| Organics | FlameQ3 | Flame Retardants by LCMSMS | Flame Retardants by LCMSMS |
| Organics | Formaldehyde | Formaldehyde by GC/MS | Formaldehyde |
| Organics | GLYPHOS | Glyphosate | Glyphosate |
| Organics | HCID | Hydrocarbon Identification Qualitative | Hydrocarbon Identification |
| Organics | HERBS | Herbicides by GC/MS | Chlorophenoxy Herbicides by Method 8270E |
| Organics | LIPIDS | Lipids | Percent Lipids |
| Organics | PAH | Semivolatile Organics by GC/MS | Polyaromatic Hydrocarbons (PAHs) |
| Organics | PAH-phthal | Semivolatile Organics | PAH SIM & Phthalates |
| Organics | PAH-phthalNOAA | Semivolatile Organics by GC/MS | PAHs NOAA list & Phthalates |
| Organics | PAH-phthal-SPLP | Semivolatile Organics | PAH SIM & Phthalates - SPLP |
| Organics | PAH-SIM | Semivolatile Organics by GC/MS | PAHs SIM |
| Organics | PBDE | Semivolatile Organics by GC/MS | Polybrominated diphenyl ethers |
| Organics | PBDENOA | Semivolatile Organics | PBDE |
| Organics | PBDE-SB | Semivolatile Organics | PBDE |
| Organics | PBDE-SPLP | Semivolatile Organics by GC/MS | Polybrominated diphenyl ethers |
| Organics | PCB | Polychlorinated Biphenyls | Polychlorinated Biphenyls |
| Organics | PCBCongNOAA | Polychlorinated Biphenyls Aroclors and Congeners | PCB Aroclors and Congeners NOAA list |
| Organics | PCB-SPE | Polychlorinated Biphenyls | Polychlorinated Biphenyls |
| Organics | PEST2PCB | Chlorinated Pesticides & Polychlorinated Biphenyls | Organochlorine Pesticides with PCBs |
| Organics | PestLL | Chlorinated Pesticides | Organochlorine Pesticides - LVI |
| Organics | PESTMSQ3 | Pesticides by GCMSMS | Pesticides by GCMSMS |
| Organics | PFAS | Per- and polyfluoroalkyl substances by LCMSMS | PFAS |
| Organics | PFAS (Anions) | Per- and polyfluoroalkyl substances by LCMSMS | PFAS |
| Organics | Phthal | Phthalates by GC/MS SIM | Base/Neutral/Acids |

| Department | Analysis Code | Analysis Description | Additional Description |
|------------|---------------|--|----------------------------------|
| Organics | Phthalates | Phthalates by GC/MS | Base/Neutral/Acids |
| Organics | PreTreat | Lab pretreatment of consumer products | PreTreat |
| Organics | QTOF | Unknowns by GCQTOF | Unknowns by GCMS Time of Flight |
| Organics | TPHD | Semivolatile Petroleum Products | Semi-volatile petroleum products |
| Organics | TPHD-SB | Semivolatile Petroleum Products Method for Soil an | Semi-volatile petroleum products |
| Organics | TPHG | Volatile Petroleum Products | Volatile petroleum products |
| Organics | VOA | Volatile Organics Analysis | Volatile Organics Analysis |
| Organics | VOA (Med) | Volatile Organics | Volatile Organic Analysis |
| Organics | VOASIM | Volatile Organics Analysis (SIM) | Volatile Organics Analysis (SIM) |

Document Revision History

| Revision Date | Revision No. | Summary of Changes | Reviser(s) |
|---------------|--------------|---|------------|
| 7/1/2002 | 1.0 | Original document. | CN, SM |
| 10/26/2017 | 2.0 | Updated MEL Analysis Code list. | CN |
| 06/15/2021 | 3.0 | Transformed to Word for accessibility; renumbered columns (because first column of EDD, batch status, was eliminated); removed MEL Date Analyzed (same as Lab Analysis Date Result template), added MEL Work ID (BZ); updated MEL Analysis Code list. | CN |
| 12/08/2022 | 3.1 | Added new column (CA) for MEL QC Code. Updated document title to "EIM Help – Manchester Lab LIMS QC Fields." | CN |
| 6/28/2023 | 4.0 | Renumbered columns to accommodate 4 new PCB-related fields in the Results portion of the template. Removed MEL Batch ID field and moved it to column BK (Lab Batch ID) of Results Template. Changed MEL QC Code to MEL QC Name (column CD) and added field metadata. MEL EIM External EDD and LIMS feed now match. Updated to current EIM format. | CN |