# SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51821 MA No.: SDG No.: MJNL27

SOW No. : SFAM01.1

| EPA Sample No. | Lab Sample Id | Analysis Method ICP-AES | ICP-MS | Mercury | Cyanide |
|---|---|---|---|---|---|
| MJNL27 | P5255-01 | | X | | |
| MJNL72 | P5255-02 | | X | | |
| MJNL72D | P5255-03 | | X | | |
| MJNL72S | P5255-04 | | X | | |
| MJNL93 | P5255-05 | | X | | |
| MJNL94 | P5255-06 | | X | | |
| MJNLC3 | P5255-07 | | X | | |

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the SDG Narrative. All edits and manual integrations have been peer-reviewed. Release of the data contained in this hardcopy Complete SDG File and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name:

Date: Title:

**USEPA CLP COC (LAB COPY)**
DateShipped: 12/10/2024
CarrierName: FedEx
AirbillNo: 7706 5594 5660

**CHAIN OF CUSTODY RECORD**

Case #: 51821
Cooler #: 10

**No: 10-121024-144805-0013**
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-728-3151

| Sample Identifier | CLP Sample No. | Matrix/Sampler | Coll. Method | Analysis/Turnaround (Days) | Tag/Preservative/Bottles | Location | Collection Date/Time | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|
| MJNL27 | MJNL27 | Sediment/ LV | Grab | ICP-MS(21) | 1539 (< 6 C) (1) | OU6-CS-YB15-0.0-0.5 | 12/05/2024 09:45 | 1 |
| MJNL72 | MJNL72 | Sediment/ CT | Grab | ICP-MS(21) | 1584 (< 6 C) (1) | OU6-CS-YB19-1.0-1.3 | 12/03/2024 16:20 | 2 - DE |
| MJNL92 | MJNL92 | Sediment/ LV | Grab | ICP-MS(21) | 1240 (< 6 C) (1) | OU6-CS-YB21-0.0-1.0 | 12/03/2024 11:10 | 2 |
| MJNL93 | MJNL93 | Sediment/ LV | Grab | ICP-MS(21) | 1605 (< 6 C) (1) | OU6-CS-YB21-0.0-1.0-FD | 12/03/2024 11:10 | 3 |
| MJNL94 | MJNL94 | Sediment/ CT | Grab | ICP-MS(21) | 1606 (< 6 C) (1) | OU6-CS-YB21-1.0-1.6 | 12/03/2024 11:15 | 4 |
| MJNLC3 | MJNLC3 | Water/ SB | Grab | ICP-MS(21) | 1645 (HNO3 pH<2) (1) | OU6-YB-EB-001 | 12/05/2024 08:55 | 5 pH 1-2 |
| MJNLH4 | MJNLH4 | Sediment/ SB | Composite | TCLP-Metals(21) | 1244 (< 6 C) (1) | OU6-CS-YB20-0.0-0.7 | 12/06/2024 16:35 | |
| | | | | | | | | |
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| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Sample(s) to be used for Lab QC: MJNL72 Tag 1584, MJNL92 Tag 1240 - Special Instructions: TCLP (As, Ba, Cd, Cr,Pb,Se,Ag) PLUS
TCLP Hg 0543483, 0543484

**Shipment for Case Complete? N**

**Samples Transferred From Chain of Custody #**

Analysis Key: ICP-MS=CLP Metals (As, Cu, Pb, Zn)-Sediment, TCLP-Metals=CLP TCLP Metals (As, Ba, Cd, Cr,Pb,Se,Ag, Hg)-Sed

| Items/Reason | Relinquished by (Signature and Organization) | Date/Time | Received by (Signature and Organization) | Date/Time | Sample Condition Upon Receipt |
|---|---|---|---|---|---|
| | JACOBS | 12/12/24 1500 | | 9:40 12-11-24 | IR-Cooler #1 2.0°C<br>Custody Seal Intact<br>Temp Blank present |
| | | | | | |
| | | | | | |
| | | | | | |

FORM DC-1

SAMPLE LOG-IN SHEET

| | | |
|---|---|---|
| Lab Name : Alliance Technical Group, LLC | | Page 1 of 1 |
| Received By (Print Name) Gagandeep Kaur | | Log-in Date 12/11/2024 |
| Received By (Signature) | | |
| Case Number 51821 | SDG No. MJNL27 | MA No. N/A |

| Remarks: | |
|---|---|
| 1. Custody Seal (s) | Present, Intact |
| 2. Custody Seal Nos. | ~~n/a~~ 0543483<br>(1) 0543484 |
| 3. Traffic Reports/Chain Of Custody Records | Present |
| 4. Airbill | Present |
| 5. Airbill No. and Shipping Container ID No. | 770655945660<br>1 |
| 6. Shipping Container Temperature Indicator Bottle | Present |
| 7. Shipping Container Temperature | 2.0 Degree C |
| 8. Sample Condition | Intact |
| 9. Sample Tags Sample Tag Numbers | Absent<br>Listed on Traffic Report |
| 10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ? | Yes |
| 11. Date Received at Lab | 12/11/2024 |
| 12.Time Received | 09:40 |

| | EPA Sample # | Aqueous/ Water Sample pH | Corresponding Sample Tag # | Corresponding Assigned Lab # | Remarks: Condition of Sample Shipment, etc. |
|---|---|---|---|---|---|
| 1 | MJNL27 | N/A | 1539 | P5255-01 | Intact |
| 2 | MJNL72 | N/A | 1584 | P5255-02 | Intact |
| 3 | MJNL72D | N/A | 1584 | P5255-03 | Intact |
| 4 | MJNL72S | N/A | 1584 | P5255-04 | Intact |
| 5 | MJNL93 | N/A | 1605 | P5255-05 | Intact |
| 6 | MJNL94 | N/A | 1606 | P5255-06 | Intact |
| 7 | MJNLC3 | 1.0 | 1645 | P5255-07 | Intact |
| 8 | N/A | N/A | N/A | N/A | N/A |
| 9 | N/A | N/A | N/A | N/A | N/A |
| 10 | N/A | N/A | N/A | N/A | N/A |
| 11 | N/A | N/A | N/A | N/A | N/A |
| 12 | N/A | N/A | N/A | N/A | N/A |
| 13 | N/A | N/A | N/A | N/A | N/A |
| 14 | N/A | N/A | N/A | N/A | N/A |
| 15 | N/A | N/A | N/A | N/A | N/A |
| 16 | N/A | N/A | N/A | N/A | N/A |
| 17 | N/A | N/A | N/A | N/A | N/A |
| 18 | N/A | N/A | N/A | N/A | N/A |
| 19 | N/A | N/A | N/A | N/A | N/A |
| 20 | N/A | N/A | N/A | N/A | N/A |
| 21 | N/A | N/A | N/A | N/A | N/A |
| 22 | N/A | N/A | N/A | N/A | N/A |
| 23 | N/A | N/A | N/A | N/A | N/A |

* Contact SMO and attach record of resolution

| | | | |
|---|---|---|---|
| Reviewed By | | Logbook No. | N/A |
| Date | 12/11/24 | Logbook Page No. | N/A |

FORM DC-2
COMPLETE SDG FILE (CSF) INVENTORY SHEET

| | | | |
|---|---|---|---|
| LAB NAME | **Alliance Technical Group, LLC** | | |
| LAB CODE | **ACE** | | |
| CONTRACT NO. | **68HERH20D0011** | | |
| CASE NO. | **51821** | SDG NO. | **MJNL27** |
| MA NO. | | SOW NO. | **SFAM01.1** |

All documents delivered in the Complete SDG File must be original documents where possible.
(Reference - Exhibit B Section 2.4)

| | PAGE NOs: FROM | PAGE NOs: TO | CHECK LAB | CHECK REGION |
|---|---|---|---|---|
| 1 . SDG Cover Page | 1 | 1 | ✓ | |
| 2 . Traffic Report/Chain of Custody Record(s) | 2 | 2 | ✓ | |
| 3 . Sample Log-In Sheet (DC-1) | 3 | 3 | ✓ | |
| 4 . CSF Inventory Sheet (DC-2) | 4 | 6 | ✓ | |
| 5 . SDG Narrative | 7 | 10 | ✓ | |
| 6 . Communication Logs | 11 | 15 | ✓ | |
| 7 . Percent Solids Log | 16 | 19 | ✓ | |
| **Analysis Forms and Data (ICP-AES)** | | | | |
| 8 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable | NA | NA | ✓ | |
| 9 . Instrument raw data by instrument in analysis order | NA | NA | ✓ | |
| **Other Data** | | | | |
| 10 . Standard and Reagent Preparation Logs | NA | NA | ✓ | |
| 11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks | NA | NA | ✓ | |
| 12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks | NA | NA | ✓ | |
| 13 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions | NA | NA | ✓ | |
| 14 . Extraction Logs for TCLP and SPLP | NA | NA | ✓ | |
| 15 . Raw GPC Data | NA | NA | ✓ | |
| 16 . Raw Florisil Data | NA | NA | ✓ | |
| **Analysis Forms and Data (ICP-MS)** | | | | |
| 17 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable | 20 | 24 | ✓ | |
| 18 . Instrument raw data by instrument in analysis order | 25 | 1536 | ✓ | |
| **Other Data** | | | | |
| 19 . Standard and Reagent Preparation Logs | 1537 | 1678 | ✓ | |
| 20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks | 1679 | 1682 | ✓ | |
| 21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks | 1683 | 1699 | ✓ | |
| 22 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions | NA | NA | ✓ | |

| | PAGE NOs: FROM | TO | CHECK LAB | REGION |
|---|---|---|---|---|
| 23. Extraction Logs for TCLP and SPLP | NA | NA | ✓ | |
| 24. Raw GPC Data | NA | NA | ✓ | |
| 25. Raw Florisil Data | NA | NA | ✓ | |
| **Analysis Forms and Data (Mercury)** | | | | |
| 26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable | NA | NA | ✓ | |
| 27. Instrument raw data by instrument in analysis order | NA | NA | ✓ | |
| **Other Data** | | | | |
| 28. Standard and Reagent Preparation Logs | NA | NA | ✓ | |
| 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks | NA | NA | ✓ | |
| 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks | NA | NA | ✓ | |
| 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions | NA | NA | ✓ | |
| 32. Extraction Logs for TCLP and SPLP | NA | NA | ✓ | |
| 33. Raw GPC Data | NA | NA | ✓ | |
| 34. Raw Florisil Data | NA | NA | ✓ | |
| **Analysis Forms and Data (Cyanide)** | | | | |
| 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable | NA | NA | ✓ | |
| 36. Instrument raw data by instrument in analysis order | NA | NA | ✓ | |
| **Other Data** | | | | |
| 37. Standard and Reagent Preparation Logs | NA | NA | ✓ | |
| 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks | NA | NA | ✓ | |
| 39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks | NA | NA | ✓ | |
| 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions | NA | NA | ✓ | |
| 41. Extraction Logs for TCLP and SPLP | NA | NA | ✓ | |
| 42. Raw GPC Data | NA | NA | ✓ | |
| 43. Raw Florisil Data | NA | NA | ✓ | |

| | PAGE NOs: FROM | TO | CHECK LAB | REGION |
|---|---|---|---|---|
| **Additional** | | | | |
| 44. EPA Shipping/Receiving Documents | | | | |
| Airbill (No. of Shipments 1 ) | 1700 | 1700 | ✓ | |
| Sample Tags | NA | NA | ✓ | |
| Sample Log-In Sheet (Lab) | 1701 | 1701 | ✓ | |
| 45. Misc. Shipping/Receiving Records (list all individual records) | | | | |
| | NA | NA | ✓ | |
| | | | | |
| | | | | |
| 46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list) | | | | |
| | 1702 | 1703 | ✓ | |
| | | | | |
| 47. Other Records and related Communication Logs (describe or list) | | | | |
| | NA | NA | ✓ | |
| | | | | |
| | | | | |

48. Comments:

Completed by:
(CLP Lab)

| (Signature) | Nimisha Pandya, Document Control Officer (Print Name & Title) | (Date) |
|---|---|---|

Audited by:
(EPA)

| (Signature) | (Print Name & Title) | (Date) |
|---|---|---|

**284 Sheffield Street**
**Mountainside, NJ 07092**

## SDG NARRATIVE

**USEPA**
**SDG # MJNL27**
**CASE # 51821**
**CONTRACT # 68HERH20D0011**
**SOW# SFAM01.1**
**LAB NAME: Alliance Technical Group, LLC**
**LAB CODE: ACE**
**LAB ORDER ID # P5255**

**A. Number of Samples and Date of Receipt**

04 Soil 01 Water samples was delivered to the laboratory intact on 12/11/2024

**B. Parameters**

Test requested for Metals CLP4 MS = Arsenic, Copper, Lead, Zinc.

Test requested for Metals CLP MS-CLP4 = Arsenic, Copper, Lead, Zinc.

**C. Cooler Temp**

Indicator Bottle**: Presence/**Absence

Cooler: 2.0$^{o}$C

**D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):**

Issue 1 : A "P" or "M" prefix was listed at the beginning of a CLP sample ID.

Issue 2: The attached COC indicates the laboratory should use CLP sample numbers MJNKK5, MJNKN6, MJNKQ9, MJNKW2, MJNL72, and MJNL92 for laboratory QC, but the laboratory only requires one sample for QC per shipment. The laboratory would like to proceed with performing laboratory QC on CLP sample numbers MJNKK5, MJNL72, and MJNL92 and not use the remaining designated samples for QC. Please advise on how the laboratory may proceed.

**E. Corrective Action taken for above:**

Resolution 1 : To maintain COC integrity, ASB requests no changes to the Sample IDs. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

**284 Sheffield Street**
**Mountainside, NJ 07092**

Resolution 2: Per Region 10, it is acceptable for the laboratory to proceed with performing laboratory QC on samples MJNKK5, MJNL72, and MJNL92 and the scheduled analyses on the remaining samples. Please note the issue in the SDG Narrative and proceed with analysis of the samples.

**F. Analytical Techniques:**

All analyses were based on CLP Methodology by method SFAM01.1.

**G. Calculation:**

**Calculation for ICP-MS Soil Sample:**

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF / 1000$$

Where,

C = Instrument value in ppb (The average of all replicate integrations)
Vf = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

**Example Calculation For Sample MJNL27 For Arsenic:**

If C = 63.88 ppb
Vf = 500 ml
W = 1.09 g
S = 0.867 (86.7/100)
DF = 1

$$\text{Concentration (mg/kg)} = 63.88 \times \frac{500}{1.09 \times 0.867} \times 1 / 1000$$

$$= 33.7978 \text{ mg/kg}$$

$$= 34 \text{ mg/kg (Reported Result with Signification)}$$

**Calculation for ICP-MS Water Sample**:

$$\text{Concentration or Result (µg/L)} = C \times \frac{Vf}{Vi} \times DF$$

Where,

C = Instrument value in ppb (The average of all replicate integrations)
Vf = Final digestion volume (mL)

Vi = Initial aliquot amount (mL) (Sample amount taken in prep)
DF = Dilution Factor

**Example Calculation For Sample MJNLC3 For Arsenic:**

If C = 0.42 ppb
Vf = 50 ml
Vi = 50 ml
DF = 1

Concentration or Result (µg/L) = $0.42 \times \frac{50}{50} \times 1$

= 0.42 µg/L

= 0.42 µg/L (Reported Result with Signification)

**H. QA/ QC**

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements except for Arsenic. Duplicate sample did meet requirements. Serial Dilution did meet requirements.

Some samples have % solids results less than 50% but more than 30%. Please see below table for detail. Laboratory has processed these samples according to the SFAM01.1 SOW, Exhibit D, sections 10.1.1.8.

| EPA Sample ID | % Solid |
|---|---|
| MJNL93 | 45.3 |

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

Internal Standard Association for ICP-MS analysis.

| Target Analyte | Associated Internal Standard |
|---|---|
| Arsenic | 89Y |
| Copper | 45Sc |
| Lead | 209Bi |
| Zinc | 45Sc |

**284 Sheffield Street**
**Mountainside, NJ 07092**

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature_____ Name: Nimisha Pandya

Date _____ Title: Document Control Officer

**From:** Shaeffer, Casey <Casey.Shaeffer@gdit.com>
**Sent:** Thursday, December 12, 2024 1:38 PM
**To:** Mohammad Ahmed; Deepak Parmar; Sohil Jodhani
**Cc:** Johnson, Matthew; Bauer, Heather E; Dunn, Meghan (she/her/hers; Reece, Caitlin
**Subject:** Region 10 | Case 51821 | Lab ACE | Issue Documentation | FINAL



Good afternoon,

Please see the below Resolution 1 from Region 10. Please note that resolutions for the remaining issues will be provided once available.

**Inappropriate/insufficient designation of laboratory QC**
Issue 1: The attached COC indicates the laboratory should use CLP sample numbers MJNKK5, MJNKN6, MJNKQ9, MJNKW2, MJNL72, and MJNL92 for laboratory QC, but the laboratory only requires one sample for QC per shipment. The laboratory would like to proceed with performing laboratory QC on CLP sample numbers MJNKK5, MJNL72, and MJNL92 and not use the remaining designated samples for QC. Please advise on how the laboratory may proceed.
Resolution 1: Per Region 10, it is acceptable for the laboratory to proceed with performing laboratory QC on samples MJNKK5, MJNL72, and MJNL92 and the scheduled analyses on the remaining samples. Please note the issue in the SDG Narrative and proceed with analysis of the samples.

**Samples/analyses listed on COC but not received at laboratory**
Issue 2: CLP sample numbers MJNKK3 and MJNKK4 are listed on the received COC, but these samples were not received at the laboratory. Please advise on how the laboratory may proceed.

**Samples/analyses received at laboratory but not listed on COC**
Issue 3: CLP sample numbers MJNKK6 and MJNKK8 were received at the laboratory, but these samples are not listed on the received COC. Please advise on how the laboratory may proceed.

Please note that the laboratory may contact the appropriate CLP PM should any defects need to be waived for this issue.

Thank you,

Casey Shaeffer

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 4 & 10
***Under contract to the EPA***

T: (571) 454-2416
casey.shaeffer@gdit.com
15036 Conference Center Drive

Chantilly, VA 20151
www.gdit.com

GENERAL DYNAMICS
information technology

**Leave Alert: December 24, 2024**

**From:** Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>
**Sent:** Thursday, December 12, 2024 1:08 PM
**To:** Shaeffer, Casey <Casey.Shaeffer@gdit.com>; Reece, Caitlin <Reece.Caitlin@epa.gov>
**Subject:** RE: Region 10 | Case 51821 | Lab ACE | Issue Documentation

**This Message Is From an External Sender**

Please use caution with links, attachments, and any requests for credentials.

Hi Casey,

Apologies for the delay:

Issue 1: It is acceptable proceed with performing laboratory QC on CLP sample numbers MJNKK5, MJNL72, and MJNL92 for laboratory QC and scheduled analyses on the remaining samples as preferred by the lab.

The sampling team is figuring out Issues 2 & 3. There is a suspected mis-labeling.

Thank you,
Meghan

**Meghan Dunn**
QA Chemist / RSCC
(Regional Sample Control Coordinator)
U.S. EPA, Region 10
Cell (206) 330-6743
Office (206) 553-8561

**From:** Shaeffer, Casey <Casey.Shaeffer@gdit.com>
**Sent:** Wednesday, December 11, 2024 8:32 AM
**To:** Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>; Reece, Caitlin <Reece.Caitlin@epa.gov>
**Subject:** Region 10 | Case 51821 | Lab ACE | Issue Documentation

**Caution:** This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Good morning,

Please see the below issues from ACE.

**Inappropriate/insufficient designation of laboratory QC**
Issue 1: The attached COC indicates the laboratory should use CLP sample numbers MJNKK5, MJNKN6, MJNKQ9, MJNKW2, MJNL72, and MJNL92 for laboratory QC, but the laboratory only requires one sample for QC per shipment. The laboratory would like to proceed with performing laboratory QC on CLP sample numbers MJNKK5, MJNL72, and MJNL92 for laboratory QC and scheduled analyses on the remaining samples. Please advise on how the laboratory may proceed.

**Samples/analyses listed on COC but not received at laboratory**
Issue 2: CLP sample numbers MJNKK3 and MJNKK4 are listed on the received COC, but these samples were not received at the laboratory. Please advise on how the laboratory may proceed.

**Samples/analyses received at laboratory but not listed on COC**
Issue 3: CLP sample numbers MJNKK6 and MJNKK8 were received at the laboratory, but these samples are not listed on the received COC. Please advise on how the laboratory may proceed.

Thank you,

Casey Shaeffer

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 4 & 10
***Under contract to the EPA***

T: (571) 454-2416
casey.shaeffer@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

**Leave Alert: December 24, 2024**

**From:** Deepak Parmar <Deepak.Parmar@alliancetg.com>
**Sent:** Wednesday, December 11, 2024 11:21 AM
**To:** Shaeffer, Casey <Casey.Shaeffer@gdit.com>
**Cc:** Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
**Subject:** RE: Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC



Good morning,

Please see Attached other COC for sample MJNKK5.

**Thanks & Regards,**

**Deepak Parmar**
QA/QC
**An Alliance Technical Group Company**
**Main:** 908-789-8900
**Direct:** 908-728-3154
**Address:** 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

**From:** Shaeffer, Casey <Casey.Shaeffer@gdit.com>
**Sent:** Wednesday, December 11, 2024 11:15 AM
**To:** Deepak Parmar <Deepak.Parmar@alliancetg.com>
**Cc:** Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
**Subject:** RE: Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC



Good morning, Deepak,

Would the laboratory please confirm the CLP sample numbers that they'd like to use for laboratory QC? The below email lists sample MJNKK5, but this sample is not listed on the attached COC.

Thank you,

Casey Shaeffer

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 4 & 10
***Under contract to the EPA***

T: (571) 454-2416
casey.shaeffer@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

**Leave Alert: December 24, 2024**

**From:** Deepak Parmar <Deepak.Parmar@alliancetg.com>
**Sent:** Wednesday, December 11, 2024 10:58 AM
**To:** Shaeffer, Casey <Casey.Shaeffer@gdit.com>

**Cc:** Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
**Subject:** Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC



Good morning,

Issue 1: Lab received six samples mentioned COC for lab QC however lab need only one QC sample per SDG. Lab will use samples MJNKK5, MJNL72 and MJNL92 for Lab QC. Lab will use other QC samples as regular analysis .

Issue 2: sample MJNKK3 and MJNKK4 mentioned on COC but not received with shipment. Sample MJNKK6 and MJNKK8 received but not mentioned on COC. there for lab would like to confirm they should proceed with analysis ?

Please see attachment for your reference.

**Thanks & Regards,**

**Deepak Parmar**
**QA/QC**
**An Alliance Technical Group Company**
**Main:** 908-789-8900
**Direct:** 908-728-3154
**Address:** 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 12/16/2024

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 14:10
**In Date:** 12/13/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:00
**Out Date:** 12/14/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB133943

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| P5254-01 | MJNKK5 | 1 | 1.16 | 8.50 | 9.66 | 5.48 | 50.8 | |
| P5254-02 | MJNKK5D | 2 | 1.16 | 8.50 | 9.66 | 5.48 | 50.8 | |
| P5254-03 | MJNKK5S | 3 | 1.16 | 8.50 | 9.66 | 5.48 | 50.8 | |
| P5254-04 | MJNKL7 | 4 | 1.18 | 8.79 | 9.97 | 6.09 | 55.9 | |
| P5254-05 | MJNKP2 | 5 | 1.16 | 8.59 | 9.75 | 4.16 | 34.9 | |
| P5254-06 | MJNKP3 | 6 | 1.15 | 8.80 | 9.95 | 4.23 | 35.0 | |
| P5254-07 | MJNKP4 | 7 | 1.16 | 8.76 | 9.92 | 4.06 | 33.1 | |
| P5254-08 | MJNKP5 | 8 | 1.15 | 8.79 | 9.94 | 4.71 | 40.5 | |
| P5254-09 | MJNKX2 | 9 | 1.12 | 8.42 | 9.54 | 6.79 | 67.3 | |
| P5254-10 | MJNL82 | 10 | 1.16 | 8.83 | 9.99 | 6.73 | 63.1 | |
| P5254-11 | MJNL83 | 11 | 1.15 | 8.66 | 9.81 | 8.22 | 81.6 | |
| P5254-13 | MJNKK3 | 12 | 1.18 | 8.79 | 9.97 | 6.51 | 60.6 | |
| P5254-14 | MJNKK4 | 13 | 1.15 | 8.81 | 9.96 | 8.38 | 82.1 | |
| P5254-15 | MJNKN6 | 14 | 1.19 | 8.66 | 9.85 | 5.58 | 50.7 | |
| P5254-16 | MJNKN7 | 15 | 1.15 | 8.82 | 9.97 | 5.84 | 53.2 | |
| P5254-17 | MJNKN8 | 16 | 1.18 | 8.79 | 9.97 | 6.59 | 61.5 | |
| P5254-18 | MJNKQ9 | 17 | 1.11 | 8.75 | 9.86 | 4.34 | 36.9 | |
| P5254-19 | MJNKT0 | 18 | 1.15 | 8.81 | 9.96 | 7.05 | 67.0 | |
| P5254-20 | MJNKW1 | 19 | 1.15 | 8.83 | 9.98 | 6.76 | 63.5 | |
| P5254-21 | MJNKW2 | 20 | 1.14 | 8.83 | 9.97 | 8.04 | 78.1 | |
| P5254-22 | MJNKY3 | 21 | 1.13 | 8.65 | 9.78 | 6.62 | 63.5 | |
| P5255-01 | MJNL27 | 22 | 1.15 | 8.82 | 9.97 | 8.8 | 86.7 | |
| P5255-02 | MJNL72 | 23 | 1.14 | 8.69 | 9.83 | 7.85 | 77.2 | |
| P5255-03 | MJNL72D | 24 | 1.14 | 8.69 | 9.83 | 7.85 | 77.2 | |
| P5255-04 | MJNL72S | 25 | 1.14 | 8.69 | 9.83 | 7.85 | 77.2 | |
| P5255-05 | MJNL93 | 26 | 1.16 | 8.64 | 9.8 | 5.07 | 45.3 | |
| P5255-06 | MJNL94 | 27 | 1.19 | 8.43 | 9.62 | 7.09 | 70.0 | |
| P5256-01 | MJNL92 | 28 | 1.17 | 8.54 | 9.71 | 5.07 | 45.7 | |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 12/16/2024

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 14:10
**In Date:** 12/13/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:00
**Out Date:** 12/14/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB133943

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| P5256-02 | MJNL92D | 29 | 1.17 | 8.54 | 9.71 | 5.07 | 45.7 | |
| P5256-03 | MJNL92S | 30 | 1.17 | 8.54 | 9.71 | 5.07 | 45.7 | |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

VB 133943

**WorkList Name :** %1-p5254 **WorkList ID :** 186330 **Department :** Wet-Chemistry **Date :** 12-13-2024 13:01:49

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P5254-01 | MJNKK5 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-02 | MJNKK5D | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-03 | MJNKK5S | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-04 | MJNKL7 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-05 | MJNKP2 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-06 | MJNKP3 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-07 | MJNKP4 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-08 | MJNKP5 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-09 | MJNKX2 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-10 | MJNL82 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-11 | MJNL83 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/06/2024 | Chemtech -SO |
| P5254-13 | MJNKK3 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/06/2024 | Chemtech -SO |
| P5254-14 | MJNKK4 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/05/2024 | Chemtech -SO |
| P5254-15 | MJNKN6 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/05/2024 | Chemtech -SO |
| P5254-16 | MJNKN7 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/05/2024 | Chemtech -SO |
| P5254-17 | MJNKN8 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/05/2024 | Chemtech -SO |
| P5254-18 | MJNKQ9 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/05/2024 | Chemtech -SO |
| P5254-19 | MJNKT0 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/09/2024 | Chemtech -SO |
| P5254-20 | MJNKW1 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/04/2024 | Chemtech -SO |
| P5254-21 | MJNKW2 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/05/2024 | Chemtech -SO |
| P5254-22 | MJNKY3 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C11 | 12/05/2024 | Chemtech -SO |

**Date/Time** 12-13-24 13:10

**Raw Sample Received by:** JB WC

**Raw Sample Relinquished by:** QR

**Date/Time** 12-13-24 14:15 JB 14:15

**Raw Sample Received by:** QR

**Raw Sample Relinquished by:** JB WC

VB133943

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** %1-p5254 **WorkList ID :** 186330 **Department :** Wet-Chemistry **Date :** 12-13-2024 13:01:49

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P5255-01 | MJNL27 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C12 | 12/05/2024 | Chemtech -SO |
| P5255-02 | MJNL72 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C12 | 12/03/2024 | Chemtech -SO |
| P5255-03 | MJNL72D | Solid | Percent Solids | Cool 4 deg C | USEP01 | C12 | 12/03/2024 | Chemtech -SO |
| P5255-04 | MJNL72S | Solid | Percent Solids | Cool 4 deg C | USEP01 | C12 | 12/03/2024 | Chemtech -SO |
| P5255-05 | MJNL93 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C12 | 12/03/2024 | Chemtech -SO |
| P5255-06 | MJNL94 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C12 | 12/03/2024 | Chemtech -SO |
| P5256-01 | MJNL92 | Solid | Percent Solids | Cool 4 deg C | USEP01 | C13 | 12/03/2024 | Chemtech -SO |
| P5256-02 | MJNL92D | Solid | Percent Solids | Cool 4 deg C | USEP01 | C13 | 12/03/2024 | Chemtech -SO |
| P5256-03 | MJNL92S | Solid | Percent Solids | Cool 4 deg C | USEP01 | C13 | 12/03/2024 | Chemtech -SO |

**Date/Time** 12-13-24 13:10
**Raw Sample Received by:**
**Raw Sample Relinquished by:**



**Date/Time** 12-13-24 14:15
**Raw Sample Received by:**
**Raw Sample Relinquished by:**