

## SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011  
 Lab Code: ACE Case No.: 51925 MA No.: \_\_\_\_\_ SDG No.: GCPX8  
 SOW No. : SFAM01.1

| EPA Sample No. | Lab Sample Id | ICP-AES | Analysis Method |         |         |
|----------------|---------------|---------|-----------------|---------|---------|
|                |               |         | ICP-MS          | Mercury | Cyanide |
| GCPX8          | Q1044-01      | X       |                 |         |         |
| GCPX9          | Q1044-02      | X       |                 |         |         |
| GCPX9D         | Q1044-03      | X       |                 |         |         |
| GCPX9S         | Q1044-04      | X       |                 |         |         |
| GCPY0          | Q1044-05      | X       |                 |         |         |
| GCPY1          | Q1044-06      | X       |                 |         |         |
| GCPY2          | Q1044-07      | X       |                 |         |         |
| GCPY3          | Q1044-08      | X       |                 |         |         |
| GCPY4          | Q1044-09      | X       |                 |         |         |
| GCPY5          | Q1044-10      | X       |                 |         |         |
| GCPY6          | Q1044-11      | X       |                 |         |         |
| GCPY7          | Q1044-12      | X       |                 |         |         |
| GCPY8          | Q1044-13      | X       |                 |         |         |
| GCPY9          | Q1044-14      | X       |                 |         |         |
| GCPZ0          | Q1044-15      | X       |                 |         |         |
| GCPZ1          | Q1044-16      | X       |                 |         |         |
| GCPZ2          | Q1044-17      | X       |                 |         |         |
| GCPZ3          | Q1044-18      | X       |                 |         |         |
| GCPZ4          | Q1044-19      | X       |                 |         |         |
| GCPZ5          | Q1044-20      | X       |                 |         |         |
| GCPZ6          | Q1044-21      | X       |                 |         |         |
| GCPZ7          | Q1044-22      | 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: \_\_\_\_\_

68HERH20D0011

SDG # GCPX8

## USEPA CLP Inorganics COC (LAB COPY)

Region 7 SCRIBE COC Record

No: 7-010725-152111-0000

DateShipped: 1/8/2025

Case #: 51925

Lab: Alliance Technical Group LLC (ACE)

CarrierName: FedEx

AirbillNo: 8176 1044 3362

Project Code: KMA78D01/2500011

Lab Contact: Sample Receipt  
Lab Phone: (908) 789-8900

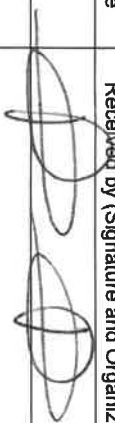
| Sample Identifier | CLP Sample No. | Matrix/Sampler | Coll. Method | Analysis/Turnaround (Days) | Tag/Preservative/Bottles | Location | Collection Date/Time | For Lab Use Only |
|-------------------|----------------|----------------|--------------|----------------------------|--------------------------|----------|----------------------|------------------|
| 2500011-01        | GCPX8          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011001 (4°C) (1)     | 27541-C1 | 11/14/2024 11:08     | ✓                |
| 2500011-02        | GCPX9          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011002 (4°C) (1)     | 27541-C2 | 11/14/2024 11:10     | ✓                |
| 2500011-03        | GCPY0          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011003 (4°C) (1)     | 27541-C3 | 11/14/2024 11:12     | ✓                |
| 2500011-04        | GCPY1          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011004 (4°C) (1)     | 27541-C4 | 11/14/2024 11:14     | ✓                |
| 2500011-05        | GCPY2          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011005 (4°C) (1)     | 27541-C5 | 11/14/2024 11:16     | ✓                |
| 2500011-06        | GCPY3          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011006 (4°C) (1)     | 27541-C6 | 11/14/2024 11:18     | ✓                |
| 2500011-07        | GCPY4          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011007 (4°C) (1)     | 27541-C7 | 11/14/2024 11:20     | ✓                |
| 2500011-08        | GCPY5          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011008 (4°C) (1)     | 27541-C8 | 11/14/2024 11:22     | ✓                |
| 2500011-09        | GCPY6          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011009 (4°C) (1)     | 27541-DW | 11/14/2024 11:24     | ✓                |
| 2500011-10        | GCPY7          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011010 (4°C) (1)     | 27541-FF | 11/14/2024 11:26     | ✓                |
| 2500011-11        | GCPY8          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011011 (4°C) (1)     | 27541-RK | 11/14/2024 11:28     | ✓                |
| 2500011-12        | GCPY9          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011012 (4°C) (1)     | 27541-SP | 11/14/2024 11:30     | ✓                |
| 2500011-13        | GCPZ0          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011013 (4°C) (1)     | 27794-C1 | 11/20/2024 15:05     | ✓                |
| 2500011-14        | GCPZ1          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011014 (4°C) (1)     | 27794-C2 | 11/20/2024 15:07     | ✓                |
| 2500011-15        | GCPZ2          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011015 (4°C) (1)     | 27794-C3 | 11/20/2024 15:09     | ✓                |
| 2500011-16        | GCPZ3          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011016 (4°C) (1)     | 27794-C4 | 11/20/2024 15:11     | ✓                |
| 2500011-17        | GCPZ4          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011017 (4°C) (1)     | 27794-C5 | 11/20/2024 15:13     | ✓                |
| 2500011-18        | GCPZ5          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011018 (4°C) (1)     | 27794-C6 | 11/20/2024 15:15     | ✓                |
| 2500011-19        | GCPZ6          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011019 (4°C) (1)     | 27794-C7 | 11/20/2024 15:17     | ✓                |

Sample(s) to be used for Lab QC: 2500011-02 Tag 2500011002 - Special Instructions: Soil metals by ICPAES will be collected in 1 whirlpak or ziplock baggie for each sample, and will be enough for all analyses and the designated QCs=MS/MSDs at full volumes. EPA - Region 7 requesting that only As, Ba, Cd, Cr, Co & Pb soil metals by ICPAES analyses be analyzed/reported on all samples for this CASE and that %solids needed/required on all samples for this CASE. oil metals by ICPAES PT sample (with instructions & PT ID R03272404-31) will be included/packed/shipped with the above field samples. This case is shipped with case 51921 and will not include ice. The CLP lab should note the temperature on the case narrative and proceed with analysis.

Analysis Key: SoilMetsAES=SoilMetsbyICPAES

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

| Items/Reason            | Relinquished by (Signature and Organization)   | Date/Time | Received by (Signature and Organization)   | Date/Time    | Sample Condition Upon Receipt                                       |
|-------------------------|--|-----------|--|--------------|---|
| CLP Shipping & analysis | KATELYN ORIGIES<br>Digitally signed by KATELYN ORIGIES<br>Date: 2025.01.08<br>09:00:05 -0500 |           |  | 1-9-25 09:10 | IR CUN #1<br>Temp 5.4c<br>Temp blank present<br>Custody Seal intact |
|                         |  |           |  |              |   |

68HERH20D0011

SDG # GCPX8

## USEPA CLP Inorganics COC (LAB COPY)

Region 7 SCRIBE COC Record

No: 7-010725-152111-0000

DateShipped: 1/8/2025

CarrierName: FedEx

AirbillNo: 8176 1044 3362

Case #: 51925

Project Code: KMA78D01/2500011

Lab: Alliance Technical Group LLC (ACE)

Lab Contact: Sample Receipt

Lab Phone: (908) 789-8900

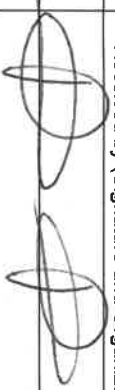
| Sample Identifier | CLP Sample No. | Matrix/Sampler | Coll. Method | Analysis/Turnaround (Days) | Tag/Preservative/Bottles | Location  | Collection Date/Time | For Lab Use Only |
|-------------------|----------------|----------------|--------------|----------------------------|--------------------------|-----------|----------------------|------------------|
| 2500011-20        | GCPZ7          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011020 (4°C) (1)     | 27794-DW1 | 11/20/2024 15:19     | ✓                |
| 2500011-21        | GCPZ8          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011021 (4°C) (1)     | 27794-DW2 | 11/20/2024 15:20     | ✓                |
| 2500011-22        | GCPZ9          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011022 (4°C) (1)     | 27794-DW3 | 11/20/2024 15:21     | ✓                |
| 2500011-23        | GCP00          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011023 (4°C) (1)     | 27794-FF  | 11/20/2024 15:23     | ✓                |
| 2500011-24        | GCP01          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011024 (4°C) (1)     | 27794-LS  | 11/20/2024 15:25     | ✓                |
| 2500011-25        | GCP02          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011025 (4°C) (1)     | 27794-SP  | 11/20/2024 15:27     | ✓                |
| 2500011-26        | GCP03          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011026 (4°C) (1)     | 27794-RK  | 11/20/2024 15:29     | ✓                |
| 2500011-27        | GCP04          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011027 (4°C) (1)     | 27794-RE  | 11/20/2024 15:31     | ✓                |
| 2500011-28        | GCP05          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011028 (4°C) (1)     | 28625-C1  | 11/12/2024 11:09     | ✓                |
| 2500011-29        | GCP06          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011029 (4°C) (1)     | 28625-C2  | 11/12/2024 11:11     | ✓                |
| 2500011-30        | GCP07          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011030 (4°C) (1)     | 28625-C3  | 11/12/2024 11:13     | ✓                |
| 2500011-31        | GCP08          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011031 (4°C) (1)     | 28625-C4  | 11/12/2024 11:15     | ✓                |
| 2500011-32        | GCP09          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011032 (4°C) (1)     | 28625-C5  | 11/12/2024 11:17     | ✓                |
| 2500011-33        | GCP10          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011033 (4°C) (1)     | 28625-C6  | 11/12/2024 11:19     | ✓                |
| 2500011-34        | GCP11          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011034 (4°C) (1)     | 28625-C7  | 11/12/2024 11:21     | ✓                |
| 2500011-35        | GCP12          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011035 (4°C) (1)     | 28625-DW  | 11/12/2024 11:23     | ✓                |
| 2500011-36        | GCP13          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011036 (4°C) (1)     | 28625-FF1 | 11/12/2024 11:25     | ✓                |
| 2500011-37        | GCP14          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011037 (4°C) (1)     | 28625-FF2 | 11/12/2024 11:27     | ✓                |
| 2500011-38        | GCP15          | Soil/SET/      | Grab         | SoilMetsAES(21)            | 2500011038 (4°C) (1)     | 28625-LS  | 11/12/2024 11:29     | ✓                |

Sample(s) to be used for Lab QC: 2500011-27 Tag 2500011027 - Special Instructions: Soil metals by ICPAES will be collected in 1 whirlpak or ziplock baggie for each sample, and will be enough for all analyses and the designated QCs=MS/MSDs at full volumes. EPA - Region 7 requesting that only As, Ba, Cd, Cr, Co & Pb soil metals by ICPAES analytes be analyzed/reported on all samples for this CASE and that %solids needed/required on all samples for this CASE. oil metals by ICPAES PT sample (with instructions & PT ID R03272404-31) will be included/packed/shipped with the above field samples. This case is shipped with case 51921 and will not include ice. The CLP lab should note the temperature on the case narrative and proceed with analysis.

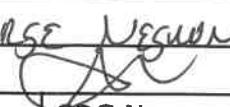
Analysis Key: SoilMetsAES=SoilMetsbyICPAES

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

| Items/Reason            | Relinquished by (Signature and Organization)   | Date/Time | Received by (Signature and Organization)   | Date/Time      | Sample Condition Upon Receipt  |
|-------------------------|--|-----------|--|----------------|--|
| CLP Shipping & Analysis | KATELYN ORTIGIES<br>Digitally signed by KATELYN ORTIGIES<br>Date: 2025.01.08<br>08080564-08560 |           |  | 0940<br>1-9-25 | IR Gun # 1<br>Temp 5.4c<br>Temp blank present<br>Custody Seal intact |
|                         |  |           |  |                |  |

FORM DC-1  
SAMPLE LOG-IN SHEET

|   |                      |                             |
|---|----------------------|-----------------------------|
| Lab Name : Alliance Technical Group, LLC  |                      | Page <u>1</u> of <u>1</u>   |
| Received By (Print Name) <u>GORSE NEWMAN</u>  |                      | Log-in Date <b>1/9/2025</b> |
| Received By (Signature)  |                      |                             |
| Case Number <b>51925</b>  | SDG No. <b>GCPX8</b> | MA No. <b>N/A</b>           |

|  |                                    |
|--|------------------------------------|
| Remarks:   |                                    |
| 1. Custody Seal (s)  | Present, Intact                    |
| 2. Custody Seal Nos.   | <u>n/a</u>                         |
| 3. Traffic Reports/Chain Of Custody Records  | Present                            |
| 4. Airbill   | Present                            |
| 5. Airbill No. and Shipping Container ID No.   | <u>817610443362</u><br><u>1</u>    |
| 6. Shipping Container Temperature Indicator Bottle                                       | Present                            |
| 7. Shipping Container Temperature  | <u>5.4</u> 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   | <u>01/09/2025</u>                  |
| 12. Time Received  | <u>09:40</u>                       |

|    | EPA Sample # | Aqueous/<br>Water Sample pH | Corresponding |                | Remarks:<br>Condition of Sample Shipment, etc. |
|----|--------------|-----------------------------|---------------|----------------|--|
|    |              |                             | Sample Tag #  | Assigned Lab # |  |
| 1  | GCPX8        | N/A                         | 2500011001    | Q1044-01       | Intact   |
| 2  | GCPX9        | N/A                         | 2500011002    | Q1044-02       | Intact   |
| 3  | GCPX9D       | N/A                         | 2500011002    | Q1044-03       | Intact   |
| 4  | GCPX9S       | N/A                         | 2500011002    | Q1044-04       | Intact   |
| 5  | GCPY0        | N/A                         | 2500011003    | Q1044-05       | Intact   |
| 6  | GCPY1        | N/A                         | 2500011004    | Q1044-06       | Intact   |
| 7  | GCPY2        | N/A                         | 2500011005    | Q1044-07       | Intact   |
| 8  | GCPY3        | N/A                         | 2500011006    | Q1044-08       | Intact   |
| 9  | GCPY4        | N/A                         | 2500011007    | Q1044-09       | Intact   |
| 10 | GCPY5        | N/A                         | 2500011008    | Q1044-10       | Intact   |
| 11 | GCPY6        | N/A                         | 2500011009    | Q1044-11       | Intact   |
| 12 | GCPY7        | N/A                         | 2500011010    | Q1044-12       | Intact   |
| 13 | GCPY8        | N/A                         | 2500011011    | Q1044-13       | Intact   |
| 14 | GCPY9        | N/A                         | 2500011012    | Q1044-14       | Intact   |
| 15 | GCPZ0        | N/A                         | 2500011013    | Q1044-15       | Intact   |
| 16 | GCPZ1        | N/A                         | 2500011014    | Q1044-16       | Intact   |
| 17 | GCPZ2        | N/A                         | 2500011015    | Q1044-17       | Intact   |
| 18 | GCPZ3        | N/A                         | 2500011016    | Q1044-18       | Intact   |
| 19 | GCPZ4        | N/A                         | 2500011017    | Q1044-19       | Intact   |
| 20 | GCPZ5        | N/A                         | 2500011018    | Q1044-20       | Intact   |
| 21 | GCPZ6        | N/A                         | 2500011019    | Q1044-21       | Intact   |
| 22 | GCPZ7        | N/A                         | 2500011020    | Q1044-22       | Intact   |
| 23 | N/A          | N/A                         | N/A           | N/A            | N/A  |

\* Contact SMO and attach record of resolution

|   |                             |
|---|-----------------------------|
| Reviewed By  | Logbook No. <b>N/A</b>      |
| Date <u>1/9/25</u>  | Logbook Page No. <b>N/A</b> |

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

|              |                               |         |          |
|--------------|-------------------------------|---------|----------|
| LAB NAME     | Alliance Technical Group, LLC |         |          |
| LAB CODE     | ACE                           |         |          |
| CONTRACT NO. | 68HERH20D0011                 |         |          |
| CASE NO.     | 51925                         | SDG NO. | GCPX8    |
| 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: |     | CHECK |        |
|---|-----------|-----|-------|--------|
|   | FROM      | TO  | LAB   | REGION |
| 1. SDG Cover Page   | 1         | 1   | ✓     |        |
| 2. Traffic Report/Chain of Custody Record(s)  | 2         | 3   | ✓     |        |
| 3. Sample Log-In Sheet (DC-1)   | 4         | 4   | ✓     |        |
| 4. CSF Inventory Sheet (DC-2)   | 5         | 7   | ✓     |        |
| 5. SDG Narrative  | 8         | 9   | ✓     |        |
| 6. Communication Logs   | NA        | NA  | ✓     |        |
| 7. Percent Solids Log   | 10        | 12  | ✓     |        |
| <b>Analysis Forms and Data (ICP-AES)</b>  |           |     |       |        |
| 8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable  | 13        | 32  | ✓     |        |
| 9. Instrument raw data by instrument in analysis order  | 33        | 592 | ✓     |        |
| <b>Other Data</b>   |           |     |       |        |
| 10. Standard and Reagent Preparation Logs   | 593       | 749 | ✓     |        |
| 11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks                                | 750       | 751 | ✓     |        |
| 12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks                              | 752       | 772 | ✓     |        |
| 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  | ✓     |        |
| <b>Analysis Forms and Data (ICP-MS)</b>   |           |     |       |        |
| 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable | NA        | NA  | ✓     |        |
| 18. Instrument raw data by instrument in analysis order   | NA        | NA  | ✓     |        |
| <b>Other Data</b>   |           |     |       |        |
| 19. Standard and Reagent Preparation Logs   | NA        | NA  | ✓     |        |
| 20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks                                | NA        | NA  | ✓     |        |
| 21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks                              | NA        | NA  | ✓     |        |
| 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions  | NA        | NA  | ✓     |        |

- 23 . Extraction Logs for TCLP and SPLP
- 24 . Raw GPC Data
- 25 . Raw Florisil Data

| PAGE NOS: |    | CHECK |        |
|-----------|----|-------|--------|
| FROM      | TO | LAB   | REGION |
| NA        | NA | ✓     |        |
| NA        | NA | ✓     |        |
| 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
- 27 . Instrument raw data by instrument in analysis order

|    |    |   |  |
|----|----|---|--|
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |

#### Other Data

- 28 . Standard and Reagent Preparation Logs
- 29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks
- 30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks
- 31 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions
- 32 . Extraction Logs for TCLP and SPLP
- 33 . Raw GPC Data
- 34 . Raw Florisil Data

|    |    |   |  |
|----|----|---|--|
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |
| 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
- 36 . Instrument raw data by instrument in analysis order

|    |    |   |  |
|----|----|---|--|
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |

#### Other Data

- 37 . Standard and Reagent Preparation Logs
- 38 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks
- 39 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks
- 40 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions
- 41 . Extraction Logs for TCLP and SPLP
- 42 . Raw GPC Data
- 43 . Raw Florisil Data

|    |    |   |  |
|----|----|---|--|
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |
| NA | NA | ✓ |  |

**Additional**

## 44. EPA Shipping/Receiving Documents

Airbill (No. of Shipments 1)

Sample Tags

Sample Log-In Sheet (Lab)

## 45. Misc. Shipping/Receiving Records (list all individual records)

46. Internal Lab Sample Transfer Records and Tracking Sheets  
(describe or list)47. Other Records and related Communication Logs  
(describe or list)

## 48. Comments:

Completed by:  
(CLP Lab)Audited by:  
(EPA)

Nimisha Pandya, Document Control Officer

| PAGE NOS: |     | CHECK |        |
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| NA        | NA  | ✓     |        |
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| 776       | 777 | ✓     |        |
| NA        | NA  | ✓     |        |



**284 Sheffield Street  
Mountainside, NJ 07092**

## **SDG NARRATIVE**

**USEPA**

**SDG # GCPX8**

**CASE # 51925**

**CONTRACT # 68HERH20D0011**

**SOW# SFAM01.1**

**LAB NAME: Alliance Technical Group, LLC**

**LAB CODE: ACE**

**LAB ORDER ID # Q1044**

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

20 Soil samples were delivered to the laboratory intact on 01/09/2025.

### **B. Parameters**

Test requested for Metals CLP12 = Arsenic, Barium, Cadmium, Chromium, Cobalt, Lead.

### **C. Cooler Temp**

Indicator Bottle: Presence/Absence

Cooler: 5.4°C

### **D. Analytical Techniques:**

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

Inter Element correction factors (IECs) are determined annually and correction factor are applied during ICP-AES analysis.

### **E. Calculation:**

#### **Calculation for ICP-AES Soil Sample:**

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

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

Where,

C = Instrument value in ppm (The average of all replicate exposures)

Vf = Final digestion volume (mL)





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W = Initial aliquot amount (g) (Sample amount taken in prep)

S = % Solids / 100 (Fraction of Percent Solids)

DF = Dilution Factor

**Example Calculation For Sample GCPX8 For Arsenic :**

If C = 0.0640526 ppm

Vf = 100 ml

W = 1.26 g

S = 0.975 (97.5/100)

DF = 1

$$\text{Concentration (mg/kg)} = 0.0640526 \times \frac{100}{1.26 \times 0.975} \times 1$$

$$= 5.21388 \text{ mg/kg}$$

$$= 5.2 \text{ mg/kg (Reported Result with Signification)}$$

**F. 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. Duplicate sample did meet requirements. Serial Dilution did meet requirements.

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

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 1/10/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 14:20  
In Date: 01/09/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 07:58  
Out Date: 01/10/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB134214

| 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 |
|----------|-----------------|--------|----------------|--------------|-------------------------|---------------------------|---------|----------|
| Q1044-01 | GCPX8           | 1      | 1.16           | 8.52         | 9.68                    | 9.47                      | 97.5    |          |
| Q1044-02 | GCPX9           | 2      | 1.15           | 8.37         | 9.52                    | 9.4                       | 98.6    |          |
| Q1044-03 | GCPX9D          | 3      | 1.15           | 8.37         | 9.52                    | 9.4                       | 98.6    |          |
| Q1044-04 | GCPX9S          | 4      | 1.15           | 8.37         | 9.52                    | 9.4                       | 98.6    |          |
| Q1044-05 | GCPY0           | 5      | 1.15           | 8.44         | 9.59                    | 9.43                      | 98.1    |          |
| Q1044-06 | GCPY1           | 6      | 1.12           | 8.54         | 9.66                    | 9.44                      | 97.4    |          |
| Q1044-07 | GCPY2           | 7      | 1.18           | 8.44         | 9.62                    | 9.41                      | 97.5    |          |
| Q1044-08 | GCPY3           | 8      | 1.15           | 8.75         | 9.9                     | 9.71                      | 97.8    |          |
| Q1044-09 | GCPY4           | 9      | 1.16           | 8.66         | 9.82                    | 9.6                       | 97.5    |          |
| Q1044-10 | GCPY5           | 10     | 1.15           | 8.47         | 9.62                    | 9.4                       | 97.4    |          |
| Q1044-11 | GCPY6           | 11     | 1.14           | 8.63         | 9.77                    | 9.72                      | 99.4    |          |
| Q1044-12 | GCPY7           | 12     | 1.18           | 8.42         | 9.6                     | 9.42                      | 97.9    |          |
| Q1044-13 | GCPY8           | 13     | 1.15           | 8.69         | 9.84                    | 9.75                      | 99.0    |          |
| Q1044-14 | GCPY9           | 14     | 1.19           | 8.62         | 9.81                    | 9.57                      | 97.2    |          |
| Q1044-15 | GCPZ0           | 15     | 1.15           | 8.40         | 9.55                    | 9.3                       | 97.0    |          |
| Q1044-16 | GCPZ1           | 16     | 1.18           | 8.45         | 9.63                    | 9.4                       | 97.3    |          |
| Q1044-17 | GCPZ2           | 17     | 1.19           | 8.58         | 9.77                    | 9.57                      | 97.7    |          |
| Q1044-18 | GCPZ3           | 18     | 1.18           | 8.48         | 9.66                    | 9.44                      | 97.4    |          |
| Q1044-19 | GCPZ4           | 19     | 1.15           | 8.35         | 9.5                     | 9.29                      | 97.5    |          |
| Q1044-20 | GCPZ5           | 20     | 1.16           | 8.40         | 9.56                    | 9.36                      | 97.6    |          |
| Q1044-21 | GCPZ6           | 21     | 1.13           | 8.73         | 9.86                    | 9.7                       | 98.2    |          |
| Q1044-22 | GCPZ7           | 22     | 1.18           | 8.70         | 9.88                    | 9.82                      | 99.3    |          |

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

# WORKLIST(Hardcopy Internal Chain)

JB 134214

WorkList Name : %Q1044

WorkList ID : 186838

Department : Wet-Chemistry

Date : 01-09-2025 12:27:44

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1044-01 | GCPX8           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-02 | GCPX9           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-03 | GCPX9D          | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-04 | GCPX9S          | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-05 | GCPY0           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-06 | GCPY1           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-07 | GCPY2           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-08 | GCPY3           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-09 | GCPY4           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-10 | GCPY5           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-11 | GCPY6           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-12 | GCPY7           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-13 | GCPY8           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-14 | GCPY9           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-15 | GCPZ0           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/14/2024   | Chemtech -SO |
| Q1044-16 | GCPZ1           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/20/2024   | Chemtech -SO |
| Q1044-17 | GCPZ2           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/20/2024   | Chemtech -SO |
| Q1044-18 | GCPZ3           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/20/2024   | Chemtech -SO |
| Q1044-19 | GCPZ4           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/20/2024   | Chemtech -SO |
| Q1044-20 | GCPZ5           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/20/2024   | Chemtech -SO |
| Q1044-21 | GCPZ6           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                         | 11/20/2024   | Chemtech -SO |

Date/Time 01-09-25 13:25

Raw Sample Received by: JB CoolC

Raw Sample Relinquished by: JTCgm

Date/Time 01-09-25

Raw Sample Received by: JTCgm

Raw Sample Relinquished by: JB CoolC

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %Q1044

WorkList ID : 186838

Department : Wet-Chemistry

Date : 01-09-2025 12:27:44

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample<br>Storage<br>Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------------|--------------|--------------|
| Q1044-22 | GCPZ7           | Solid  | Percent Solids | Cool 4 deg C | USEP01   | C11                               | 11/20/2024   | Chemtech -SO |

57134214

Date/Time 01.09.25 13:25  
Raw Sample Received by: JB WDC  
Raw Sample Relinquished by: JT C907

Date/Time 01.09.25 14:25  
Raw Sample Received by: JT C907  
Raw Sample Relinquished by: JB WDC