C&G Containers Scientific "The Total Package!"

# TERRA CORE™ KIT

## PROTOCOL CERTIFICATE WITH INSTRUCTIONS

Enclosed Materials:

1 each Two-piece disposable soil sample (Terra Core™ sampler) [X] 5 Gram [ ] 10 Gram

[X] 60cc Amber Glass W/M [ ] 2oz Clear AC Glass [ ] Other

Note: This container may be used for screening and/or % moisture/solids determination.

( 1 ) each **Methanol** [ ] No Preservative

[ ] 5mLs [X] 10mLs [ ] 15mLs [ ] Grams [ ] Other:

**Available Preservatives:** Sodium Bisulfate Solution — Stirbars: **No**
Methanol — Sodium Phosphate Tribasic Solution — Barcoded: **Yes**
Deionized Water — Sodium Phosphate Tribasic Crystal — Tared-Weight: **Yes**

( 2 ) each **DI Water** [ ] No Preservative

[X] 5mLs [ ] 10mLs [ ] 15mLs [ ] Grams [ ] Other:

**Available Preservatives:** Sodium Bisulfate Solution — Stirbars: **Yes**
Methanol — Sodium Phosphate Tribasic Solution — Barcoded: **Yes**
Deionized Water — Sodium Phosphate Tribasic Crystal — Tared-Weight: **Yes**

each [ ] No Preservative

[ ] 5mLs [ ] 10mLs [ ] 15mLs [ ] Grams [ ] Other:

**Available Preservatives:** Sodium Bisulfate Solution — Stirbars:
Methanol — Sodium Phosphate Tribasic Solution — Barcoded:
Deionized Water — Sodium Phosphate Tribasic Crystal — Tared-Weight:

### Cleaning Protocol/Lot # and Chemical Traceability # for Glass Only Containers

| Item: | 40 ml Clear Vial (R) | 40 ml Clear Vial (W) | | 60cc Amber Glass WM |
|---|---|---|---|---|
| Lot #: | 101926-3YO | 101926-3YO | | 101926-5 |
| | LKS040102021 | LKS040102021 | | LKS040102021 |
| Protocol/Level: | B/1 | B/1 | | L3 |
| Traceability #: | 24028631 | 101926-3 | | N/A |
| Chemical Expiry Date: | 03/18/31 | 10/23/27 | | N/A |

Recommended Procedural Steps:

1. Have a 40 ml. VOA vial containing the applicable preservative chemical. With the plunger seated in the handle, push the Terra Core™ sampler into the exposed soil type until the chamber is filled. A filled chamber will deliver approximately 5 or 10 grams, but this is dependent on the density of the soil and the syringe size.
2. The soil plug collected should be flush with the open end of the sampler. Wipe away all solids or debris from the outside of the sampler as quickly as possible. (Remove any excess solids that extended beyond the opening of the chamber).
3. Rotate the plunger that was seated in the handle top 90° until it is aligned with the slots in the body. Place the open end of the sampler into the 40-ml vial(s) containing the applicable preservative chemical and slowly extrude the soil plug by pushing the plunger down. (Please note that it may be appropriate to tilt the 40 ml vial as the plug is being delivered to reduce splashing of the preservative chemical). Wipe away any soil or debris from the threads of the vial(s) and quickly place the closure back onto the vial.

Special Notes:

- Each C & G Container's Terra Kit is enclosed in a 2 mil zip top bag.
- The C & G Container's Terra Kit is designed and prepared to hold each initial tared weight measurement as not to exceed a 0.199-gram loss/gain difference from the initial tared weight for six (6) months from the date the kit was prepared.
- The C & G Container Terra Core Kits should be stored in a cool atmosphere and out of direct sunlight.

**Should a problem exist or any questions arise, don't hesitate in contacting our technical staff at (800)396-7123.**

Chief Executive Officer

Product processed at:
2202 I-49 N. Service Rd.
Opelousas LA 70570 USA
Revision 031020-01sf

C&G Containers Scientific
"The Total Package!"

Office: 337-237-7123
P.O. Box 2003
Lafayette, LA 70502

Toll Free: 800-396-7123

Fax: 337-237-8712
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Opelousas, La. 70570

# CERTIFICATE OF ANALYSIS

This "Certificate of Analysis" represents a precleaned product that has been prepared in accordance with Performance-Based specifications. This product meets or exceeds analyte specifications established in the U. S. EPA OSWER Directive 9240.0-05A "Specification and Guidance for Contaminant-free Sample Containers" for use in Superfund and other Hazardous waste programs.

## Group 3 Volatile Organic Compounds (VOCs) - Medium Level

| Analyte | RL ug/Kg | Analyte | RL ug/Kg | Analyte | RL ug/Kg |
|---|---|---|---|---|---|
| Acetone | 1300 U | trans-1,2-Dichloroethylene | 50 U | n-Propylbenzene | 250 U |
| Benzene | 25 U | 1,2-Dichloropropane | 50 U | Styrene | 50 U |
| Bromobenzene | 50 U | 1,3-Dichloropropane | 50 U | Tert-Amyl Alcohol | 500 U |
| Bromochloromethane | 50 U | 2,2-Dichloropropane | 50 U | Tert-Amyl Methyl Ether | 50 U |
| Bromodichloromethane | 50 U | 1,1-Dichloropropene | 50 U | Tert-Butyl Alcohol | 2500 U |
| Bromoform | 50 U | cis-1,3-Dichloropropene | 50 U | 1,1,1,2-Tetrachloroethane | 50 U |
| n-Butylbenzene | 250 U | trans-1,3-Dichloropropene | 50 U | 1,1,2,2-Tetrachloroethane | 50 U |
| sec-Butylbenzene | 250 U | Di-Isopropyl Ether | 50 U | Tetrachloroethylene | 50 U |
| tert-Butylbenzene | 50 U | Ethyl Acetate | 50 U | Toluene | 250 U |
| Carbon Disulfide | 50 U | Ethyl Alcohol | 20000 U | 1,2,3-Trichlorobenzene | 250 U |
| Carbon Tetrachloride | 50 U | Ethylbenzene | 50 U | 1,2,4-Trichlorobenzene | 250 U |
| Chlorobenzene | 50 U | Ethyl Tert-Butyl Ether | 250 U | 1,1,1-Trichloroethane | 50 U |
| Chloroethane | 50 U | 2-Hexanone | 630 U | 1,1,2-Trichloroethane | 50 U |
| Chloroform | 50 U | Hexachlorobutadiene | 250 U | Trichloroethylene | 50 U |
| 2-Chlorotoluene (ortho) | 250 U | Isopropyl Alcohol | 2500 U | Trichlorofluoromethane | 50 U |
| 4-Chlorotoluene (para) | 250 U | Isopropylbenzene | 250 U | 1,2,3-Trichloropropane | 250 U |
| Dibromochloromethane | 50 U | p-Isopropyltoluene | 250 U | 1,2,4-Trimethylbenzene | 250 U |
| 1,2-Dibromo-3-chloropropane | 250 U | Methyl Acetate | 500 U | 1,3,5-Trimethylbenzene | 250 U |
| 1,2-Dibromoethane | 50 U | Methyl Bromide | 500 U | Vinyl Acetate | 250 U |
| Dichlorodifluoromethane | 50 U | Methyl Chloride | 250 U | Vinyl Chloride | 50 U |
| 1,3-Dichlorobenzene (meta) | 50 U | Methylene Bromide | 50 U | m,p-Xylene | 100 U |
| 1,2-Dichlorobenzene (ortho) | 50 U | Methylene Chloride | 250 U | o-Xylene | 50 U |
| 1,4-Dichlorobenzene (para) | 50 U | Methyl Ethyl Ketone | 630 U | Xylene (total) | 100 U |
| 1,1-Dichloroethane | 50 U | 4-Methyl-2-pentanone | 630 U | | |
| 1,2-Dichloroethane | 50 U | Methyl Tert Butyl Ether | 50 U | | |
| 1,1-Dichloroethylene | 50 U | Naphthalene | 250 U | | |
| cis-1,2-Dichloroethylene | 50 U | | | | |

NOTES:
a. Reporting Limit (RL) = The lowest concentration standard analyzed which can be verified.
b. U = The analyte was analyzed for but not detected above the Reporting Limit.
c. U* = No analytes were detected; No Reporting Limits for these analytes.
d. Bottles are Type III Soda Lime and vials are Type I Borosilicate.
e. Storage: Store at 85F or 29.4C. Keep away from organic vapors.

This "Certificate of Analysis" is provided for your records and is used to facilitate any required correspondences as needed.

**Item Description:** 40 mL Clear Vials

**Lot Number:** 101926-3YO LKS040102021

**Protocol:** B **Level:** 1

**Group:** 3 (applies)

**Date Product Prepared:** 10/23/26

**Product Expiry Date:** 10/23/27

Lane Breaux **Chief Executive Officer**

Product processed at:
2202 I-49 N. Service Rd.
Opelousas LA 70570 USA

TerraCore Kit B Medium
Revision 031020-03sf

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## Group 3 Volatile Organic Compounds (VOCs) - Low Level

| Analyte | RL ug/Kg | Analyte | RL ug/Kg | Analyte | RL ug/Kg |
|---|---|---|---|---|---|
| Acetone | 25 U | trans-1,2-Dichloroethylene | 1.0 U | n-Propylbenzene | 5.0 U |
| Benzene | 0.50 U | 1,2-Dichloropropane | 1.0 U | Styrene | 1.0 U |
| Bromobenzene | 1.0 U | 1,3-Dichloropropane | 1.0 U | Tert-Amyl Alcohol | 10 U |
| Bromochloromethane | 1.0 U | 2,2-Dichloropropane | 1.0 U | Tert-Amyl Methyl Ether | 1.0 U |
| Bromodichloromethane | 1.0 U | 1,1-Dichloropropene | 1.0 U | Tert-Butyl Alcohol | 50 U |
| Bromoform | 1.0 U | cis-1,3-Dichloropropene | 1.0 U | 1,1,1,2-Tetrachloroethane | 1.0 U |
| n-Butylbenzene | 5.0 U | trans-1,3-Dichloropropene | 1.0 U | 1,1,2,2-Tetrachloroethane | 1.0 U |
| sec-Butylbenzene | 5.0 U | Di-Isopropyl Ether | 1.0 U | Tetrachloroethylene | 1.0 U |
| tert-Butylbenzene | 1.0 U | Ethyl Acetate | 10 U | Toluene | 5.0 U |
| Carbon Disulfide | 1.0 U | Ethyl Alcohol | 400 U | 1,2,3-Trichlorobenzene | 5.0 U |
| Carbon Tetrachloride | 1.0 U | Ethylbenzene | 1.0 U | 1,2,4-Trichlorobenzene | 5.0 U |
| Chlorobenzene | 1.0 U | Ethyl Tert-Butyl Ether | 5.0 U | 1,1,1-Trichloroethane | 1.0 U |
| Chloroethane | 1.0 U | 2-Hexanone | 13 U | 1,1,2-Trichloroethane | 1.0 U |
| Chloroform | 1.0 U | Hexachlorobutadiene | 5.0 U | Trichloroethylene | 1.0 U |
| 2-Chlorotoluene (ortho) | 5.0 U | Isopropyl Alcohol | 50 U | Trichlorofluoromethane | 1.0 U |
| 4-Chlorotoluene (para) | 5.0 U | Isopropylbenzene | 5.0 U | 1,2,3-Trichloropropane | 5.0 U |
| Dibromochloromethane | 1.0 U | p-Isopropyltoluene | 5.0 U | 1,2,4-Trimethylbenzene | 5.0 U |
| 1,2-Dibromo-3-chloropropane | 5.0 U | Methyl Acetate | 10 U | 1,3,5-Trimethylbenzene | 5.0 U |
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| Dichlorodifluoromethane | 1.0 U | Methyl Chloride | 5.0 U | Vinyl Chloride | 1.0 U |
| 1,3-Dichlorobenzene (meta) | 1.0 U | Methylene Bromide | 1.0 U | m,p-Xylene | 2.0 U |
| 1,2-Dichlorobenzene (ortho) | 1.0 U | Methylene Chloride | 5.0 U | o-Xylene | 1.0 U |
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| 1,1-Dichloroethane | 1.0 U | 4-Methyl-2-pentanone | 13 U | | |
| 1,2-Dichloroethane | 1.0 U | Methyl Tert Butyl Ether | 1.0 U | | |
| 1,1-Dichloroethylene | 1.0 U | Naphthalene | 5.0 U | | |
| cis-1,2-Dichloroethylene | 1.0 U | | | | |

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**Lot Number:** 101926-3YO LKS040102021

**Protocol:** B **Level:** 1

**Group:** 3 (applies)

**Date Product Prepared:** 10/23/26

**Product Expiry Date:** 10/23/27

Chief Executive Officer

Product processed at:
2202 I-49 N. Service Rd.
Opelousas LA 70570 USA

TerraCore Kit B LL
Revision 031020-12sf